

NATIONAL HISTORIC SITES SERVICE

MANUSCRIPT REPORT NUMBER 46

EXCAVATIONS AT CASTLE HILL

by

Roger T. Grange, Jr.

VOLUME 6

September 1971

NATIONAL AND HISTORIC PARKS BRANCH

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

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This is volume 6 of 7 volumes

ILLUSTRATIONS

Figure 1. Map of Newfoundland showing location of Placentia (a) and St. John's (b). Scale: 50 miles.



50

Figure 2. Map of Avalon Peninsula showing location of Castle Hill (a) and Placentia (b).
Scale: 25 miles.

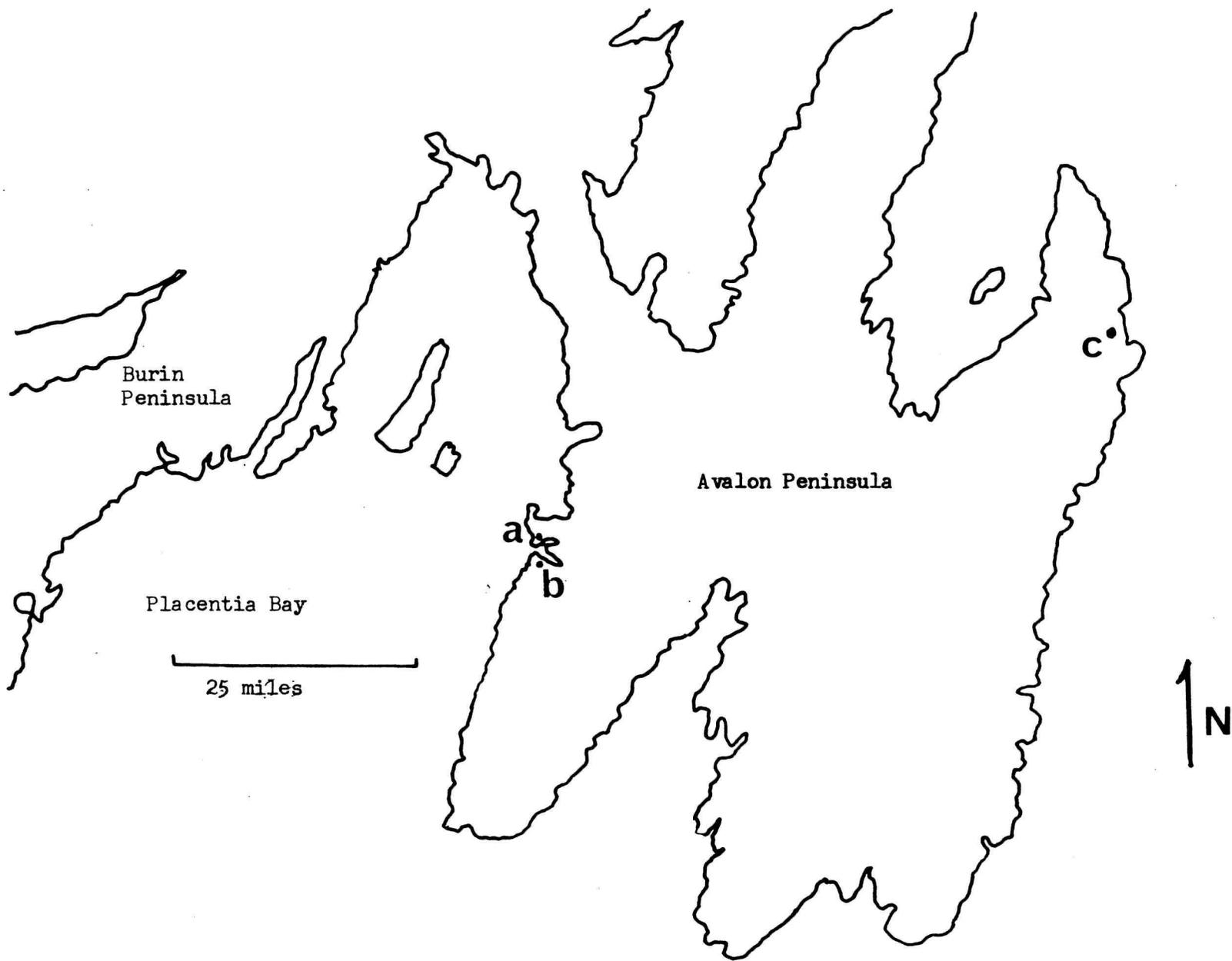


Figure 3. General view of Castle Hill looking toward the southeast. Cannon is on the modern platform on the remnant of the west gun platform.



Figure 4. General view of Castle Hill looking west from the Gaillardin.



Figure 5. View of the east side of the fort looking toward the southwest. Glacis and modern footbridge are on the left and the northeast bastion during excavation is on the right.

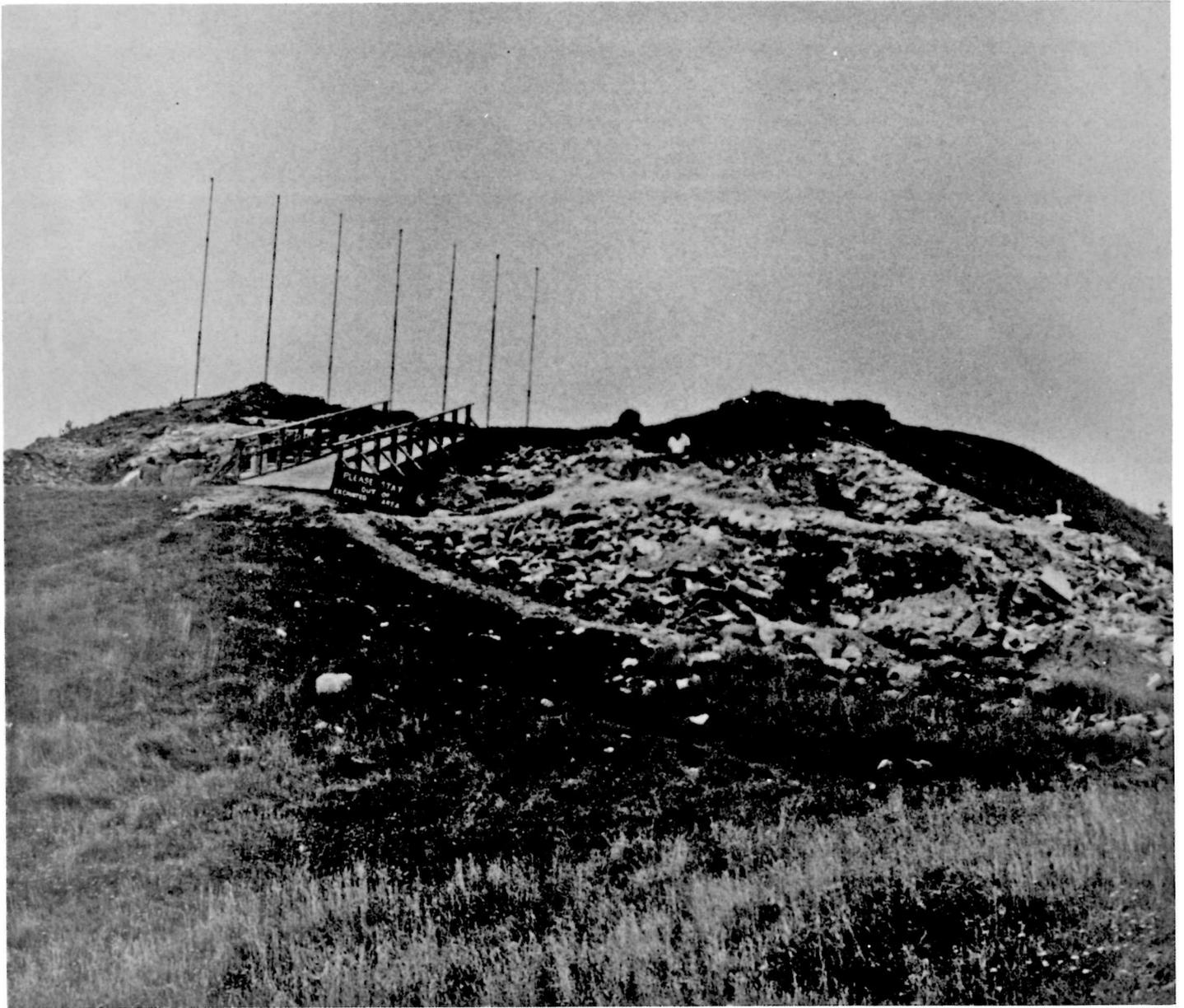
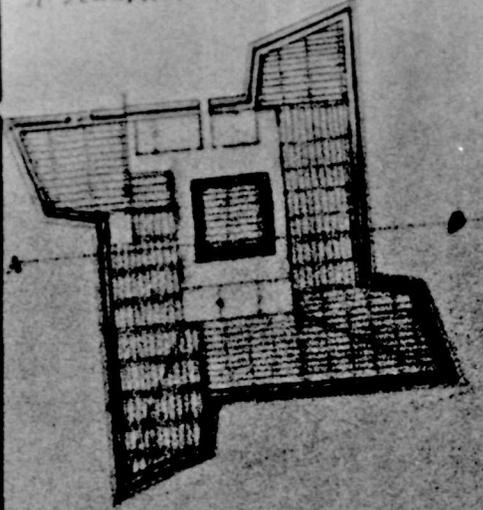


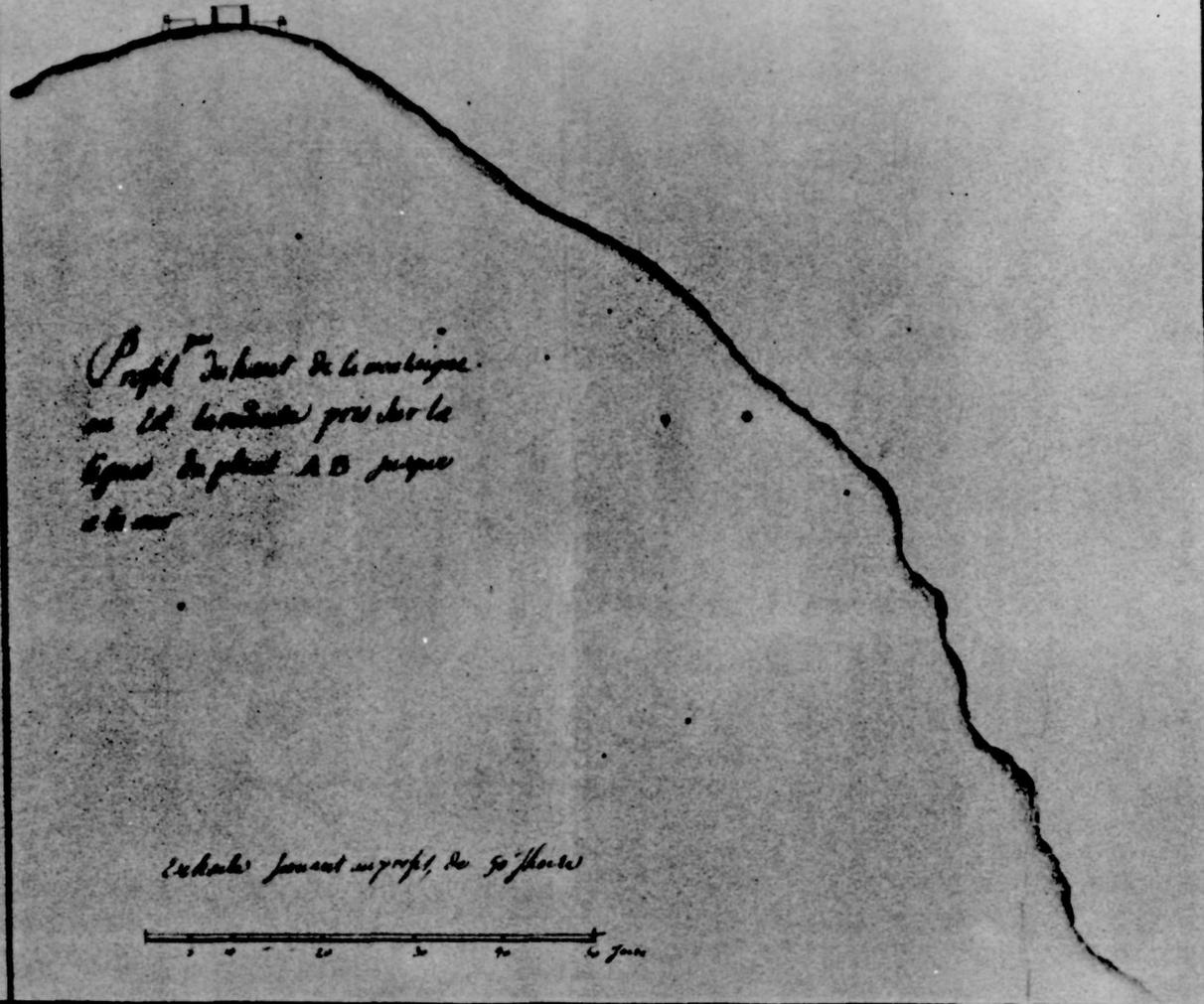
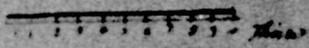
Figure 6. French plan of 1695. C140, 1695 plan-
H4/150. Map Division, Public Archives of Canada.

100

N° 2 Criv. 103.



Echelle en pieds



Profil de haut de la montagne.
 au dit le cadastre pris sur la
 ligne de plan AB jusqu'
 à la mer

Echelle pour le profil de 50 toises

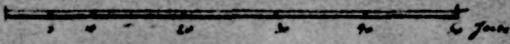


Figure 7. French plan of 1701. Plan du Fort Royal.

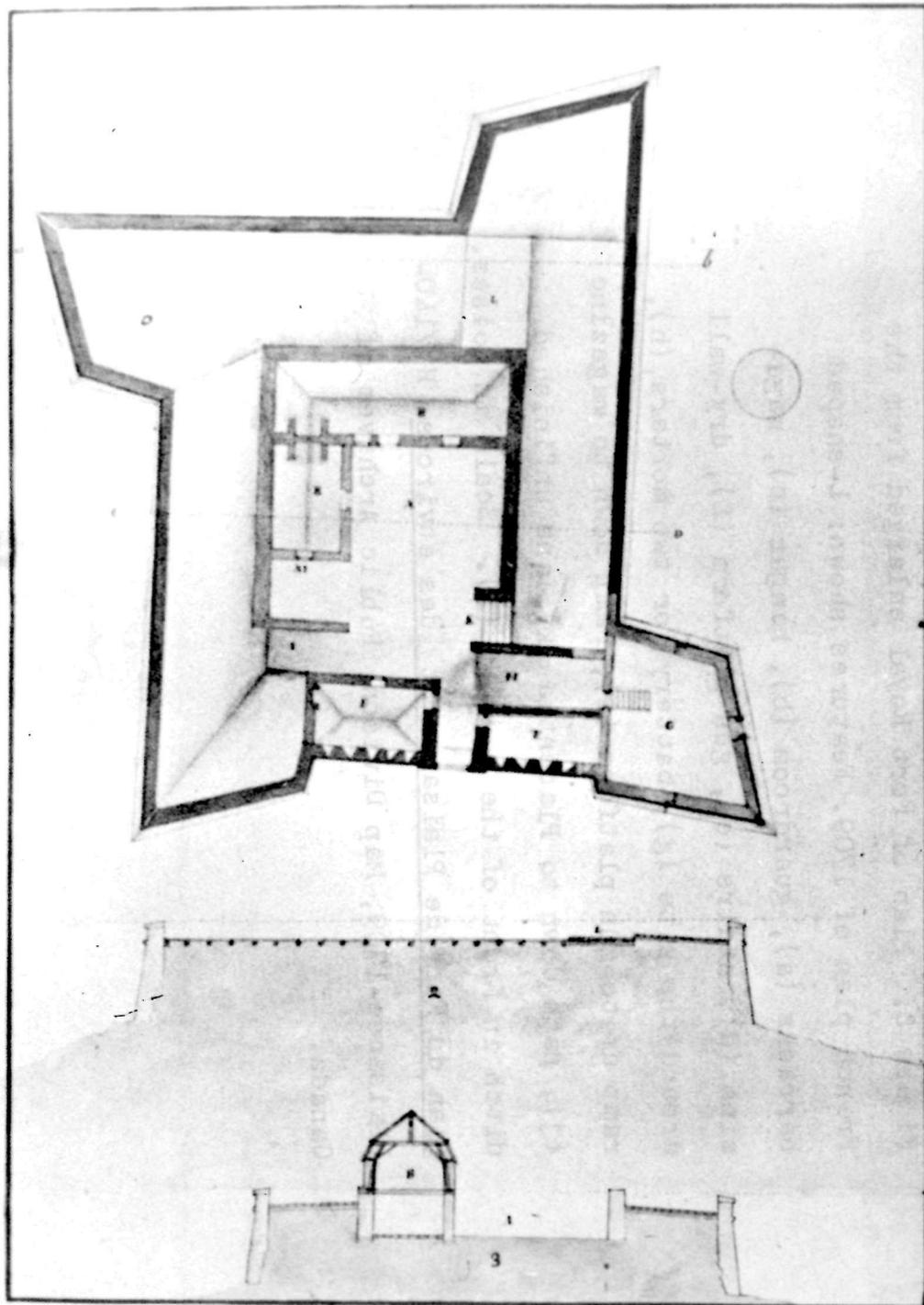
Public Archives of Canada.

PLAN DU FORT ROIAL

Sur deux hauteurs qui ont la
côte et l'apex de plaisance.



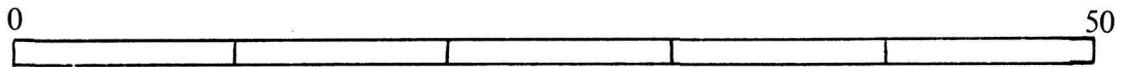
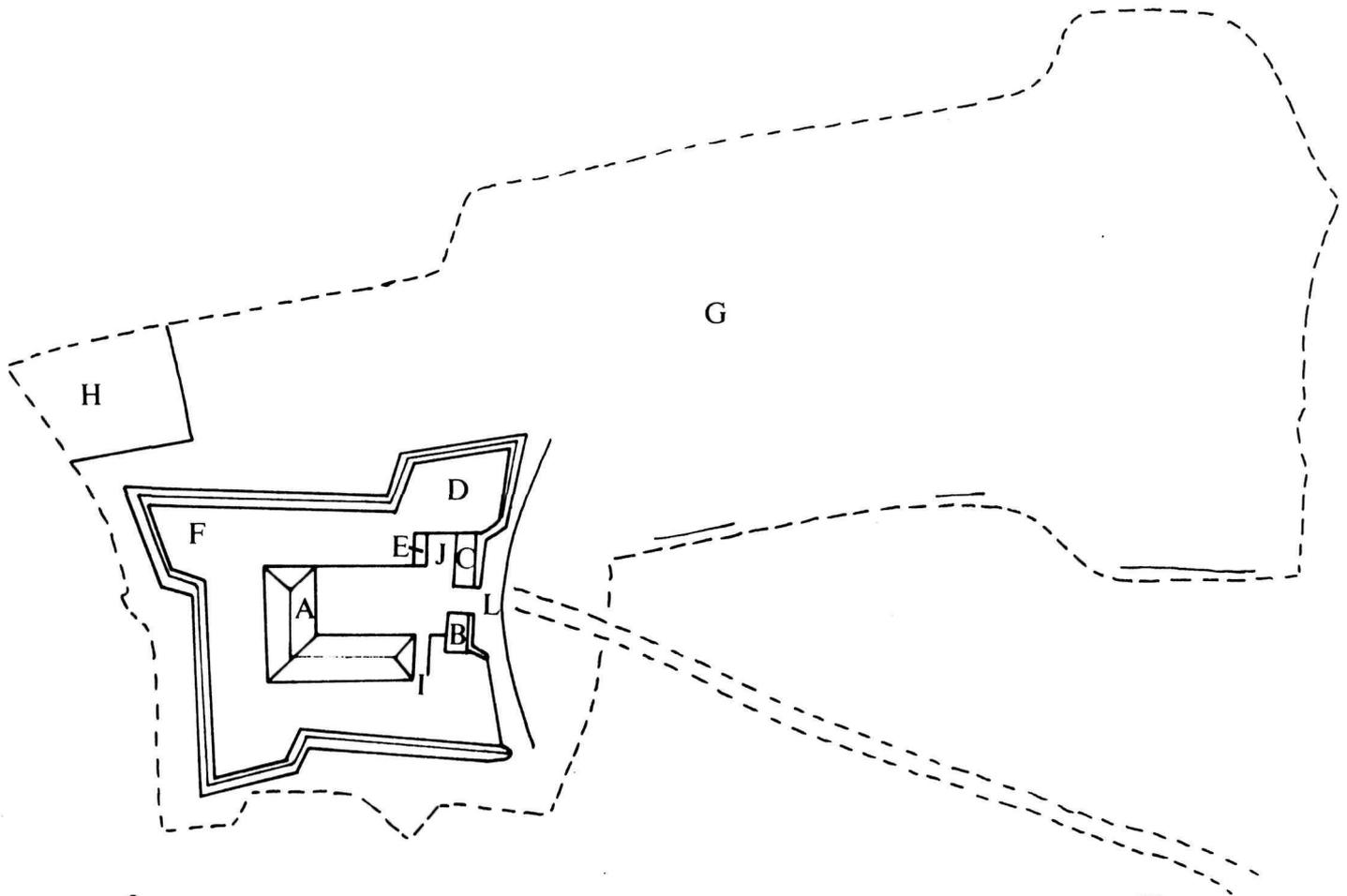
- A. place d'armes -
- B. Colonne -
- C. Coeur de jardin -
- D. Jardin -
- E. poudrière -
- F. rampes pour descendre à l'opéra -
- G. rampes pour monter sur la
plateforme -
- H. Escalier pour monter sur la
plateforme -
- I. plateforme pour deux petits canons -
- J. profil pour les batteries A. F.
- K. profil pour les batteries C. D.
- M. plan pour les affaires sous les canons



Échelle de six toises pour le plan
et pour les profils -

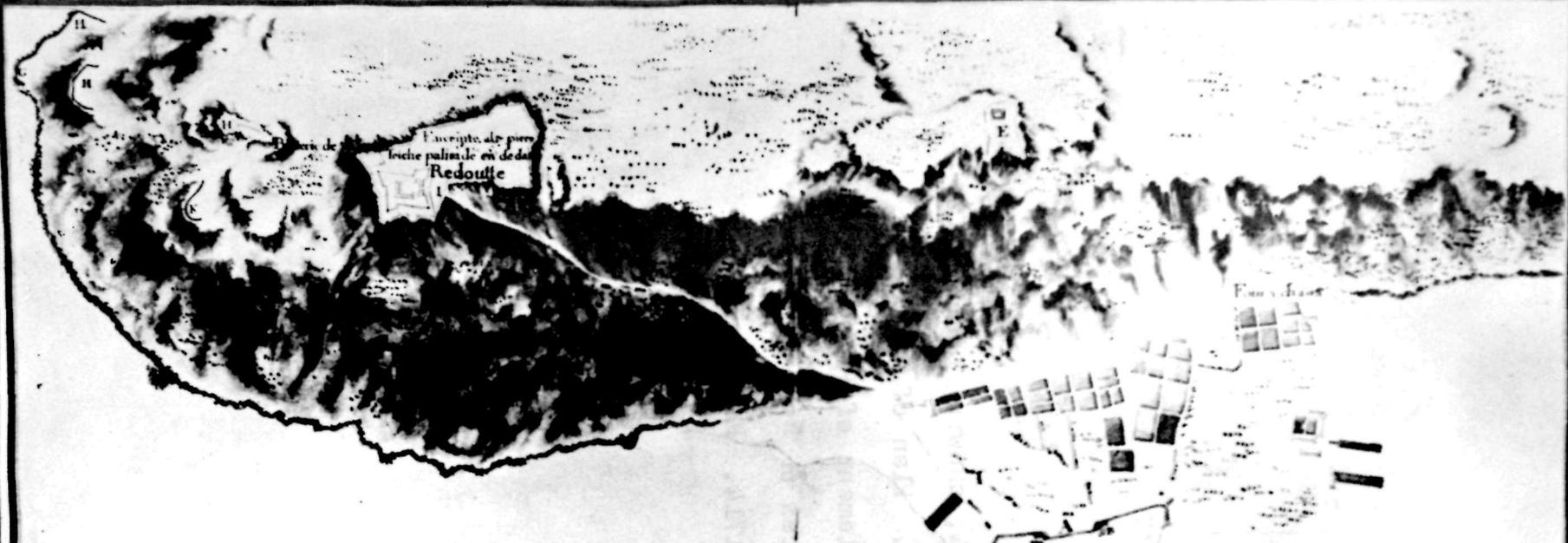
M. de la Haye

Figure 8. Plan of Fort Royal enlarged from the French plan of 1709. Features shown: L-shaped barracks (a), guardroom (b), hangar (c), magazine (d), stairs (e), gun platform (f), dry-wall around the site (g), battery for two mortars, (h), ramp up to gun platform (i), ramp down to magazine (j), path down to Placentia (k), and unfinished ditch in front of the redoubt (l). Scale in toises. Plan du Fort de Plaisance et des environs. H1/140-Plaisance-1709, Map Division, Public Archives of Canada.



TOISES

Figure 9. French plan of 1713. Plan du Fort de Plaisance. C140, 1713 plan-H3/140, Map Division, Public Archives of Canada.



PLAN DU FORT DE PLAISANCE

Fort de Plaisance

Echelle pour le plan du fort de Plaisance de 1600 toises
 0 100 200 300 400 500 600 700 800 900 1000 toises

REMARQUES

- A Couronne de pontons au dessus de la ville portuaise
- B Cimetière de la ville de Plaisance
- C Bâtimens de la ville
- D Bâtimens de la ville de la ville de Plaisance
- E Bâtimens de la ville de la ville de Plaisance
- F Bâtimens de la ville de la ville de Plaisance
- G Bâtimens de la ville de la ville de Plaisance
- H Bâtimens de la ville de la ville de Plaisance
- I Bâtimens de la ville de la ville de Plaisance

**CARTE PARTICULIERE
 DES ENVIRONS DE
 PLAISANCE**

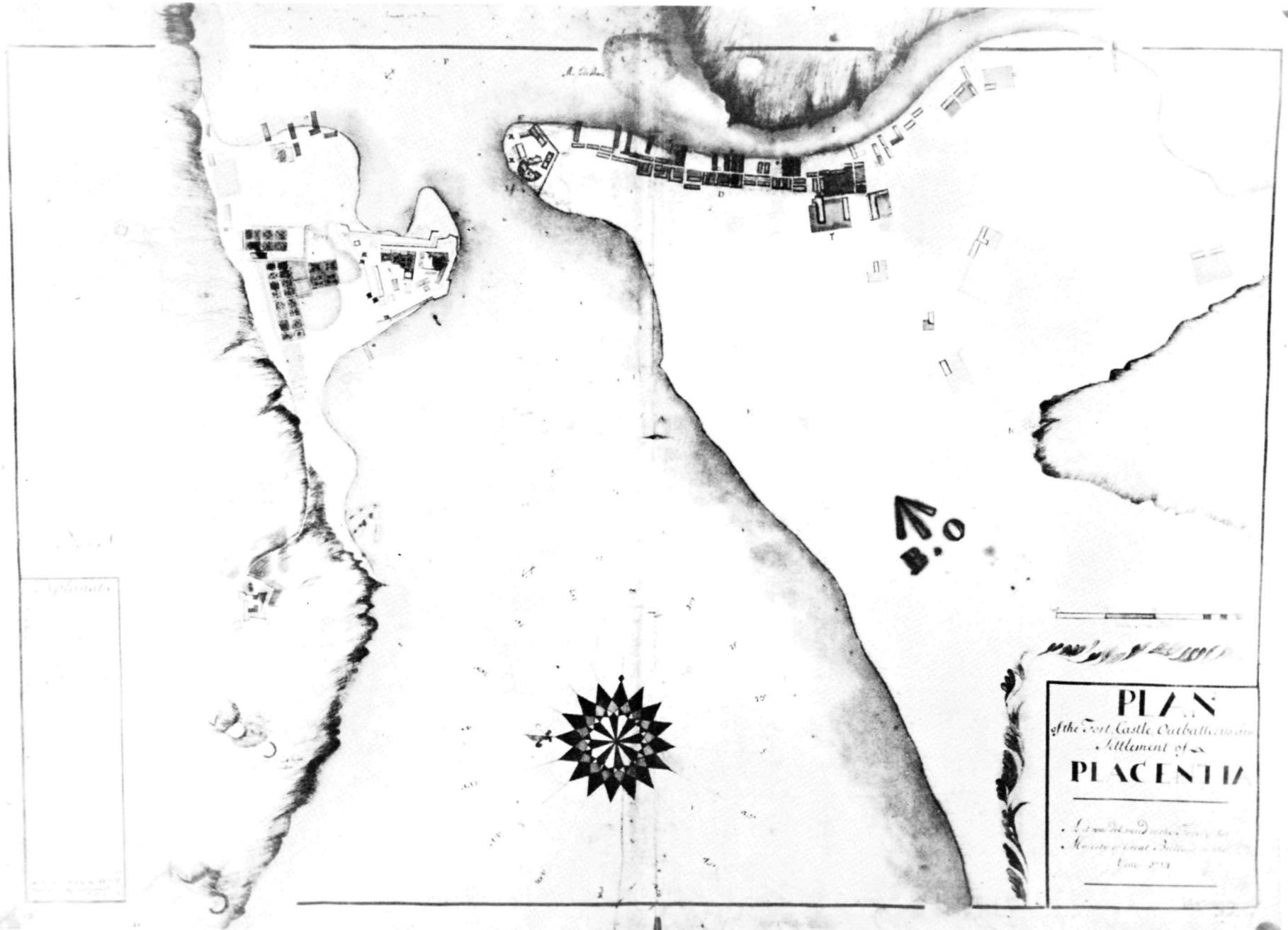
- A Couronne de pontons
- B Bâtimens de la ville
- C Bâtimens de la ville
- D Bâtimens de la ville
- E Bâtimens de la ville
- F Bâtimens de la ville
- G Bâtimens de la ville
- H Bâtimens de la ville
- I Bâtimens de la ville
- K Bâtimens de la ville
- L Bâtimens de la ville
- M Bâtimens de la ville
- N Bâtimens de la ville
- O Bâtimens de la ville



Echelle pour la petite carte



Figure 10. English plan of 1714, showing the fort as transferred from the French. Plan of the Fort, Castle, Outbatteries, and Settlement of Placentia as it was delivered to the Forces of Her Majesty of Great Britain in the year 1714. Map Division, Public Archives of Canada.



Placentia

PLAN
of the Fort Castle Outbatterment
Settlement of
PLACENTIA

By
Lieut. Colonel James Oglethorpe
Major General's Office, Savannah, Georgia
1734

Figure 11. English plan of 1762. A Plan of the Fort on Castle Hill. C140, 1762 plan-H3/140, Map Division, Public Archives of Canada.

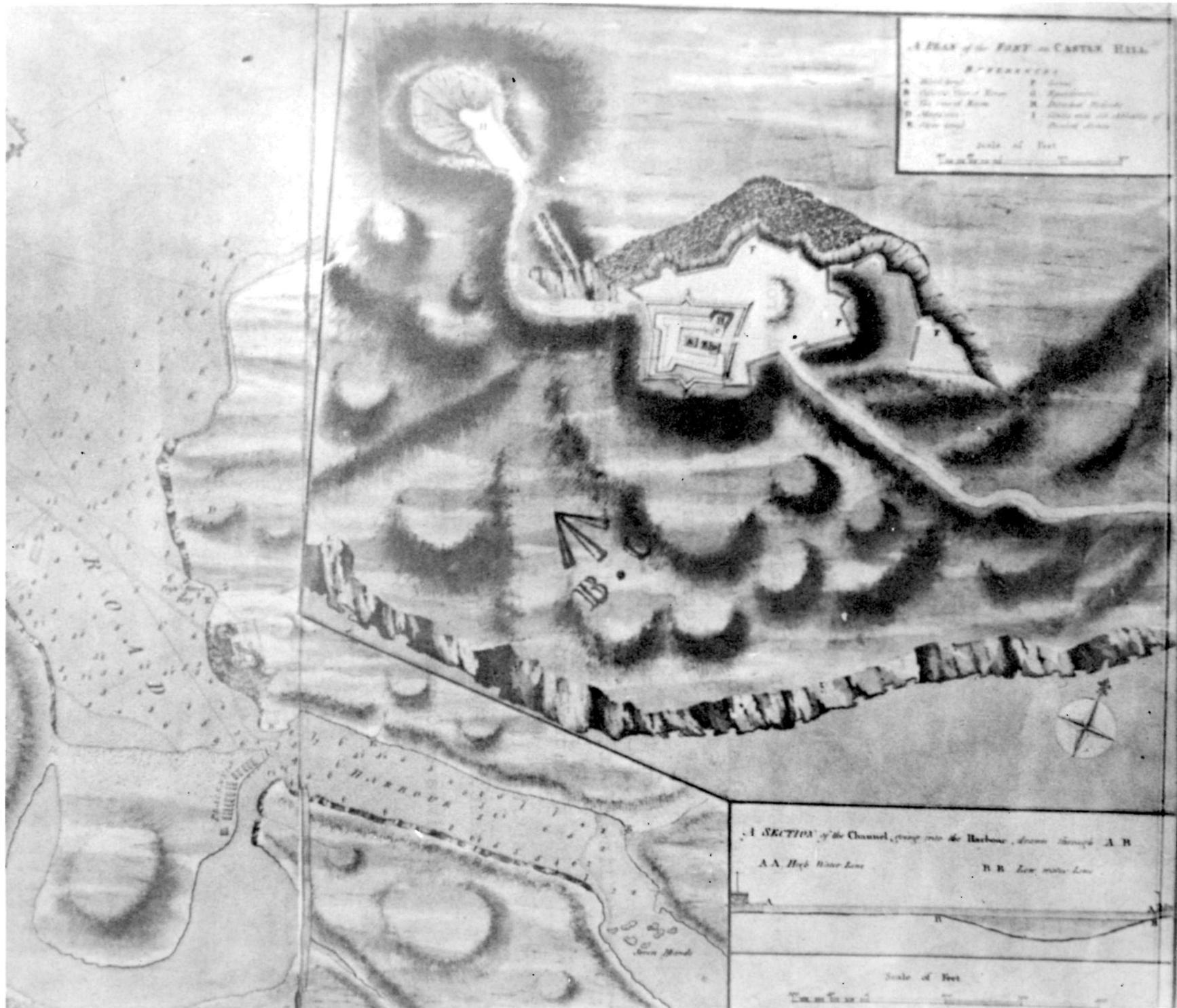


Figure 12. Plan of Castle Graves enlarged from the English plan of 1762. Features shown: blockhouse (a), officers' guardroom (b), main guardroom (c), magazine (d), storehouse (e), line of stone dry-wall (f), palisade (g), picket line replacing parapet (h), path to nearby gun positions (i), path down to Placentia (j). Scale in feet. A Plan of the Fort on Castle Hill. Public Archives of Canada.

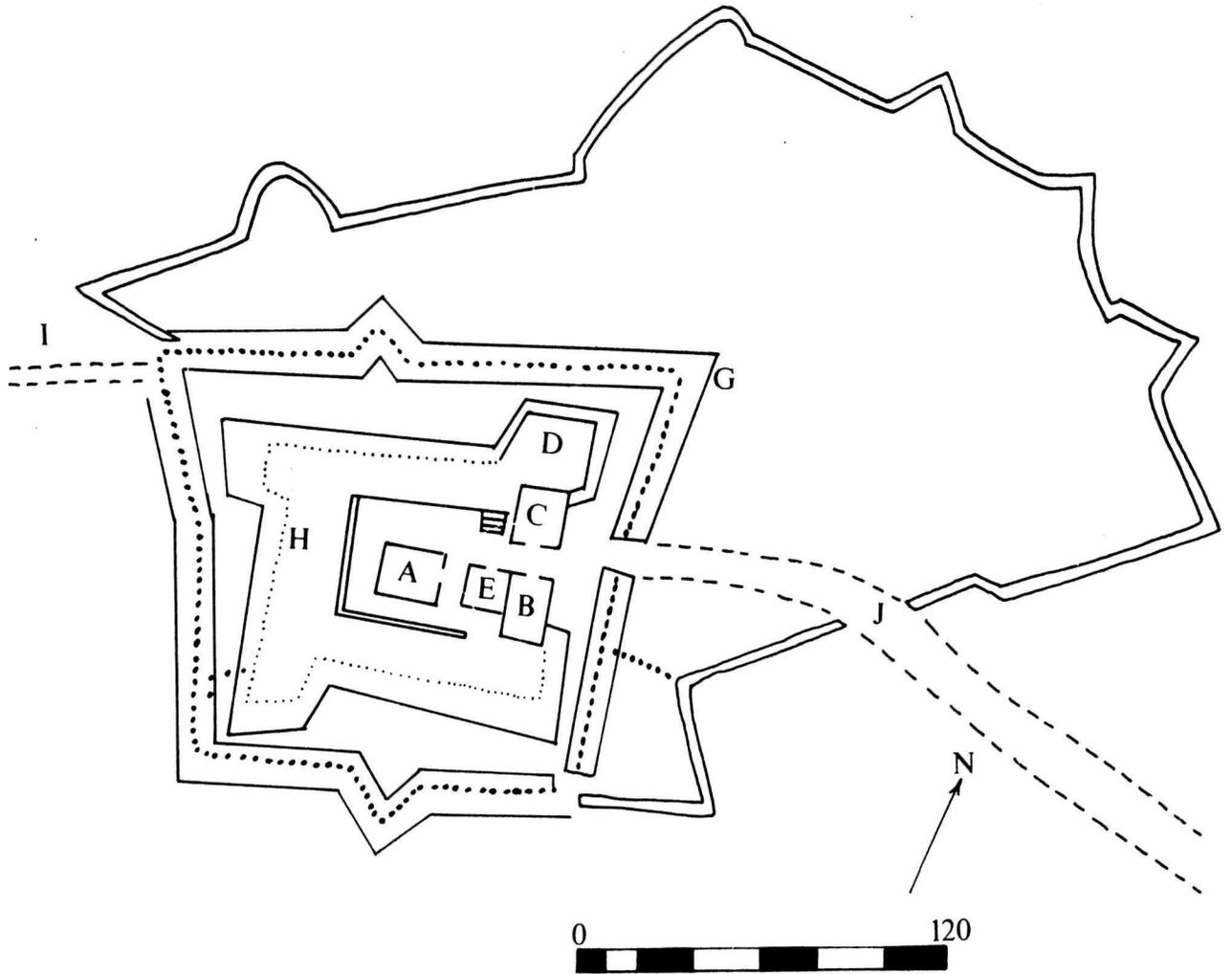


Figure 13. English plan of 1775. Plan of Castle
Graves at Placentia in Newfoundland. Lt. Pringle,
1775. C140, 1775 plan-H4/150. Map Division,
Public Archives of Canada.

PLAN of CASTLE GRAVES at
PLACENTIA in NEWFOUNDLAND

REFERENCES

- Castle house A
- Chapel, Magazine B
- Artillery barracks C
- Guard room D
- Grand Battery E
- Sea wall or Rampart F

At B the front of the main battery
in the plan indicates where
the illustration is placed in the
Engraving.

By J. B. B. 1776

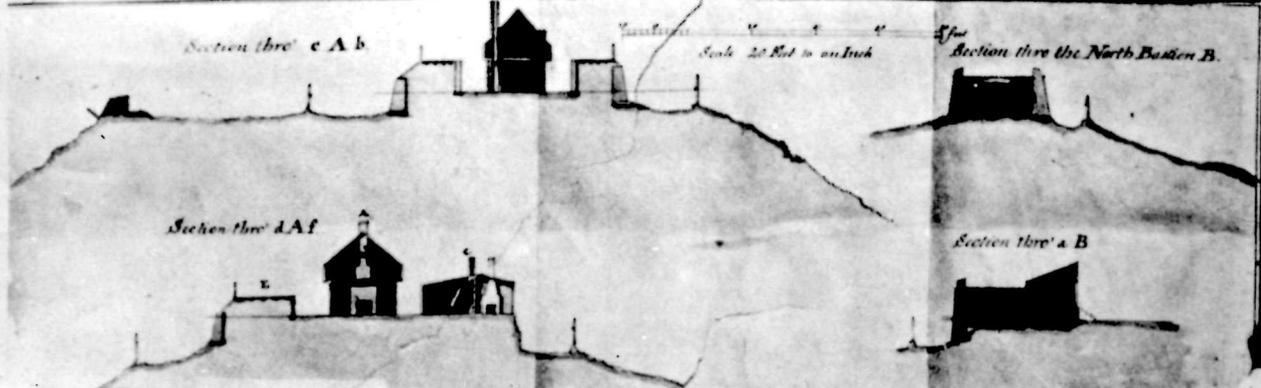


Figure 14. Sketch from the log of H.M.S. Pegasus, 1786. A view of Placentia harbour looking north-east from Quarry Hill. Castle Hill with its blockhouse is at the extreme left. Courtesy of Provincial Archives, Government of Newfoundland and Labrador, St. John's.



Figure 15. Sketch from the log of H.M.S. Pegasus, 1786. A view looking southwest from the west gun platform of the fort. Flagpole and cannon in foreground, Pointe Verde in distance. Courtesy of Provincial Archives, Government of Newfoundland and Labrador, St. John's.

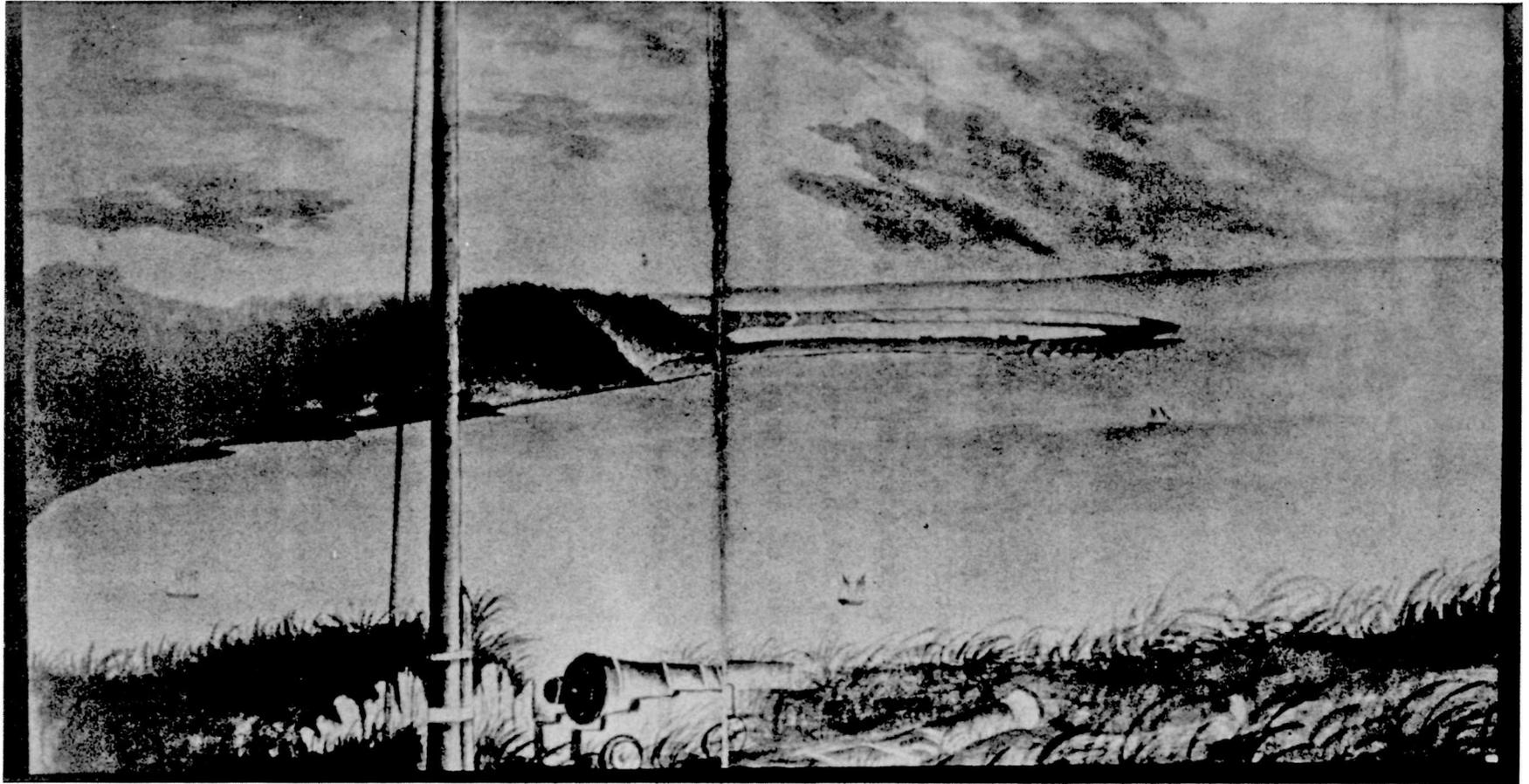


Figure 16. Sketch from the log of H.M.S. Pegasus, 1786. A view looking south toward Placentia.

Dry-wall bridge, south guardhouse and the south-east demi-bastion of the fort are shown. Courtesy of Provincial Archives, Government of Newfoundland and Labrador, St. John's.

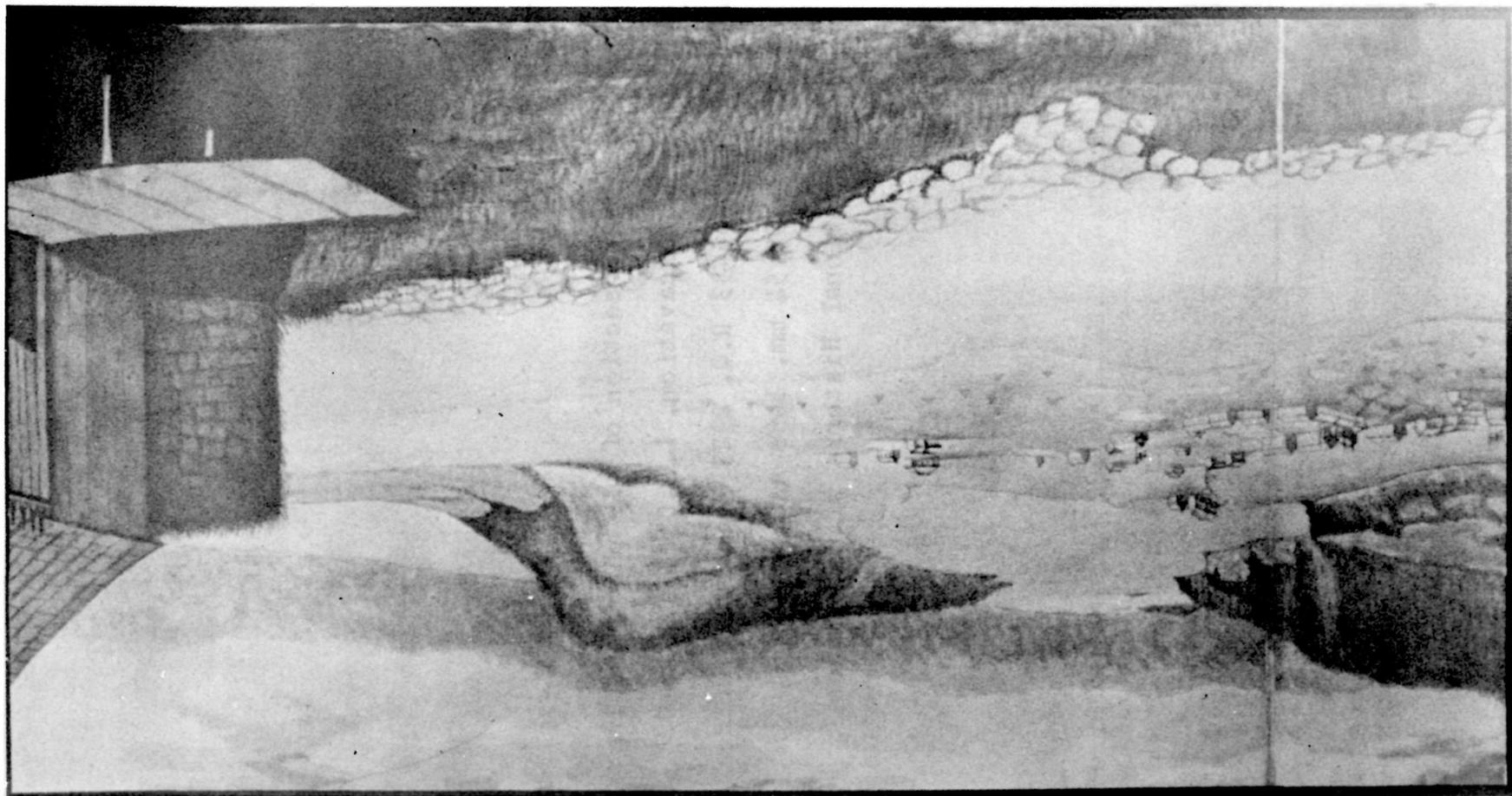


Figure 17. Enlarged section of air photo showing the site prior to excavation. L.S.C. Job P/2600/65 Area "B" ICAS-65-33 R.Q. 2923 Placentia, Nfld. A 18765 (27-49) 152.54 mm. lens AASL 2400'

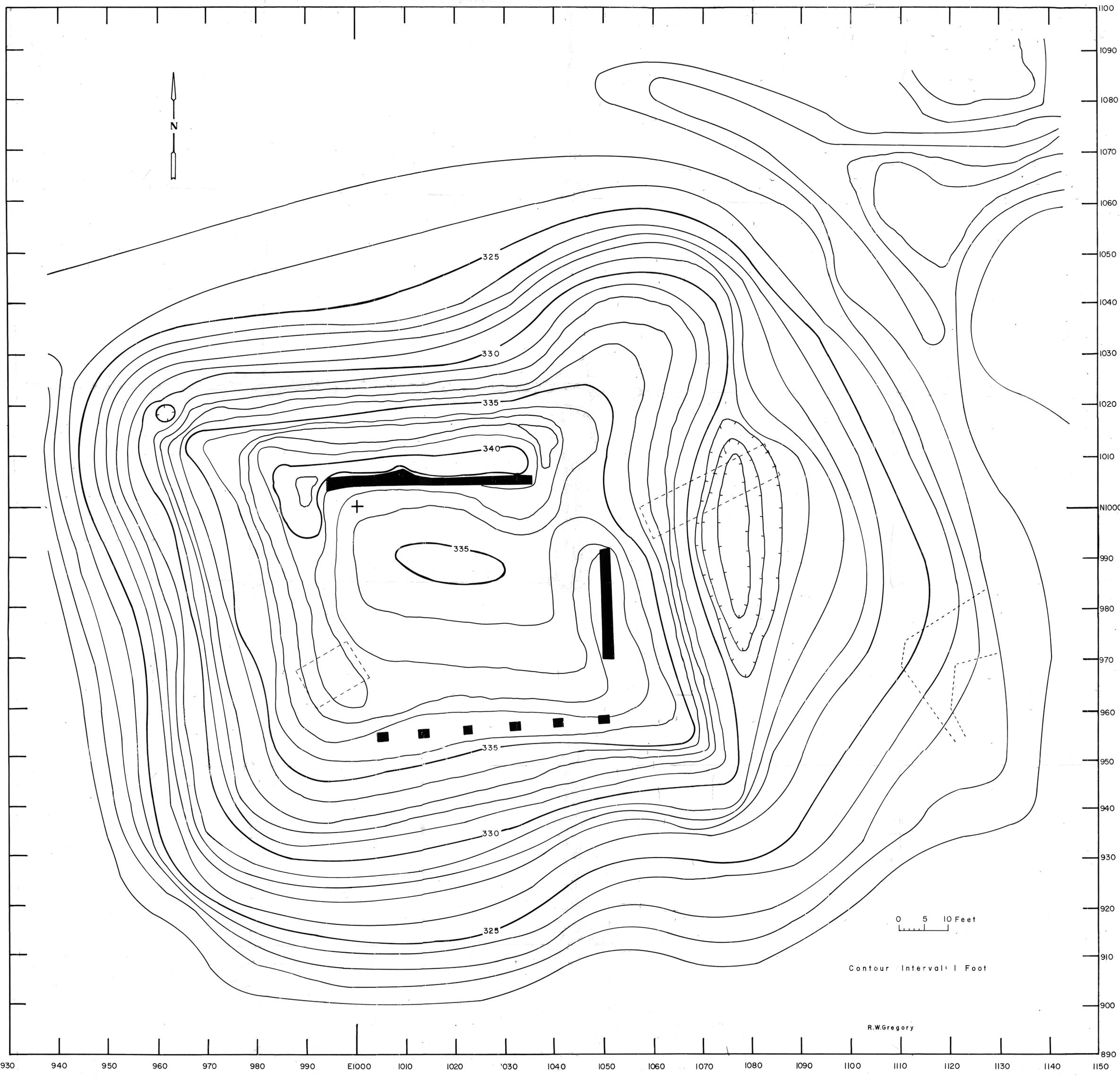
Date 27-6-65. National Historic Sites Service.



A. 18765-47

Figure 18. Countour map of Castle Hill. Features shown: masonry walls above surface (a, b), modern footbridge (c), modern cannon platform (d), flag-pole bases (e) and dry-wall rubble on surface (f). Horizontal scale in feet. Contour interval, 1.0 ft.

FIGURE 18



0 5 10 Feet

Contour Interval: 1 Foot

R.W.Gregory

325

330

335

340

335

335

330

325

+

■

■

■

■

■

■

1100
1090
1080
1070
1060
1050
1040
1030
1020
1010
11000
990
980
970
960
950
940
930
920
910
900
890

930 940 950 960 970 980 990 E1000 1010 1020 1030 1040 1050 1060 1070 1080 1090 1100 1110 1120 1130 1140 1150

Figure 19. Countour map of general site area showing park boundary. National Historic Sites Service, St. John's.

FIGURE 19.



DEPARTMENT OF MUNICIPAL AFFAIRS
PROVINCIAL PLANNING DIVISION

PLACENTIA

NEWFOUNDLAND

NORTHEAST ARM



REVISED EASTERN RESOURCES & INDUSTRIAL DEV. LTD. 1960

REFERENCE

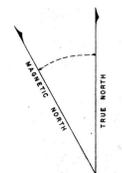
PAVED ROAD	=====
UNPAVED ROAD	-----
ROAD UNDER CONSTR.	- - - - -
FOOTPATH	- - - - -
RAILWAY	+++++
CUTTING	
EMBANKMENT	
PYLON	□
POLE	• • •
WALL	— — —
FENCE	- x - x -
HEDGE	- x - x -
LINE OF BRUSH	- - - - -
LINE OF TREES	- - - - -
INDIVIDUAL TREES	○ ○ ○
WOODED AREA	
BRUSH	
QUARRY	
DRAINAGE	
SWAMP	
CLIFF	
CONTOURS	
DEPRESSION	
SPOT ELEVATION	126'
BENCH MARK	• B.M.

NOTE: CONTOURS IN AREAS OF DENSE TREES ARE APPROXIMATE ONLY

BOUNDARY CASTLE HILL
NATIONAL HIST. PARK
SCALE

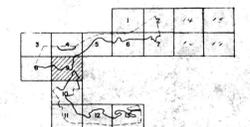
200 Feet to 1 Inch
Contour Interval - 5 Feet
All elevations based on Geodetic Datum

PHOTOGRAPHED AND COMPILED BY
HUNTING SURVEY CORPORATION LTD.
MONTREAL, QUEBEC
DATE OF PHOTOGRAPHY:



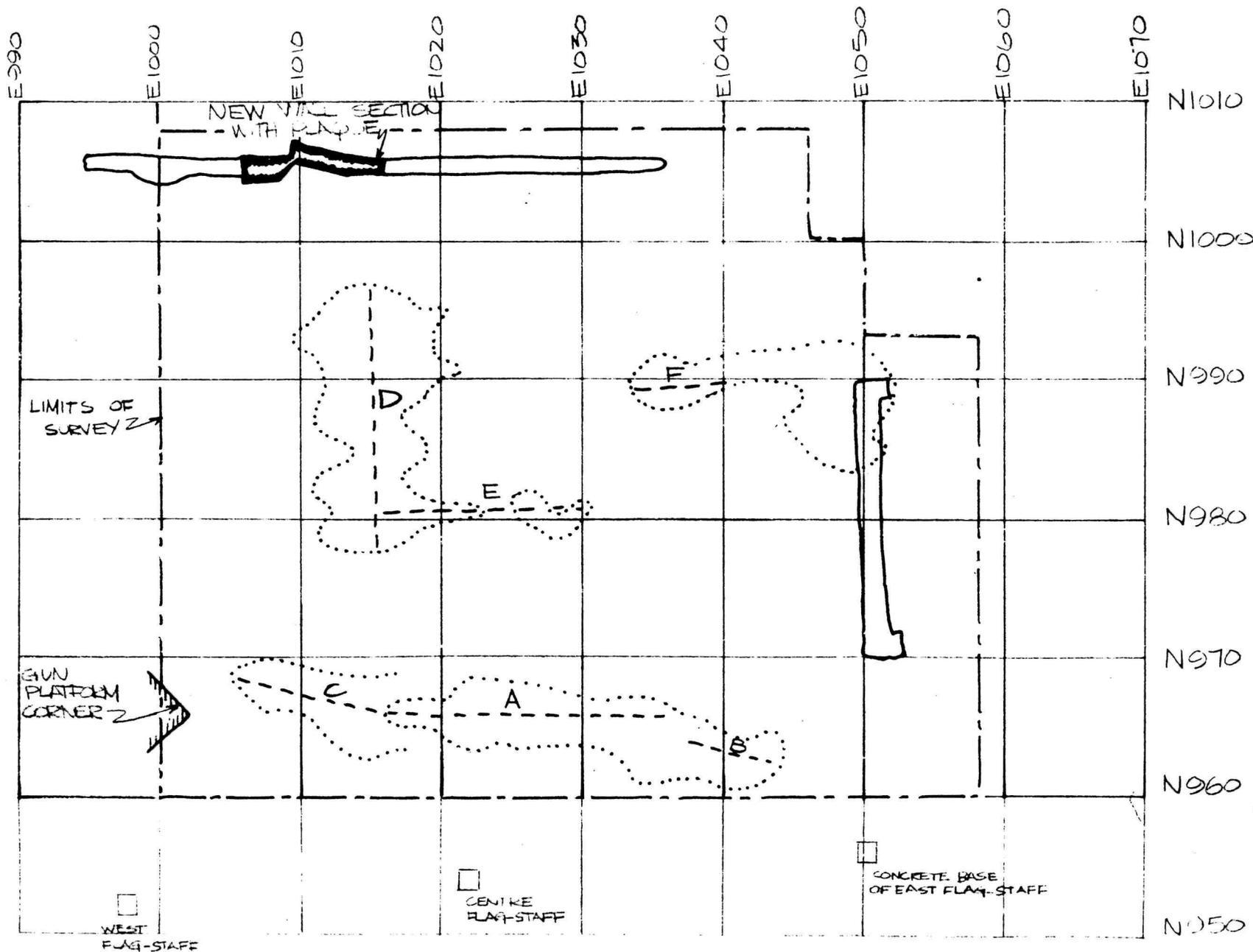
MAGNETIC DECLINATION 1961: WEST
ANNUAL MAGNETIC CHANGE: EASTERLY

SHEET INDEX



SHEET No. 9

Figure 20. Geohm Resistivity Meter Survey of the "Castle", Castle Hill, Nfld. A., B Medians of well defined high resistivity area. C., relatively weak continuation of area A. D., E., Medians of moderately well defined high resistivity areas. F. Median of poorly defined high resistivity area. (The wall along E1050, just above ground level, produced an anomaly of equally poor definition.) The survey was made by the four-probe method on lines running north at 2.0 ft. intervals. Probe spacing was 2.0 ft. and probe penetration was 0.5 ft. or less. Scale 1.0 in. equals 10.0 ft.

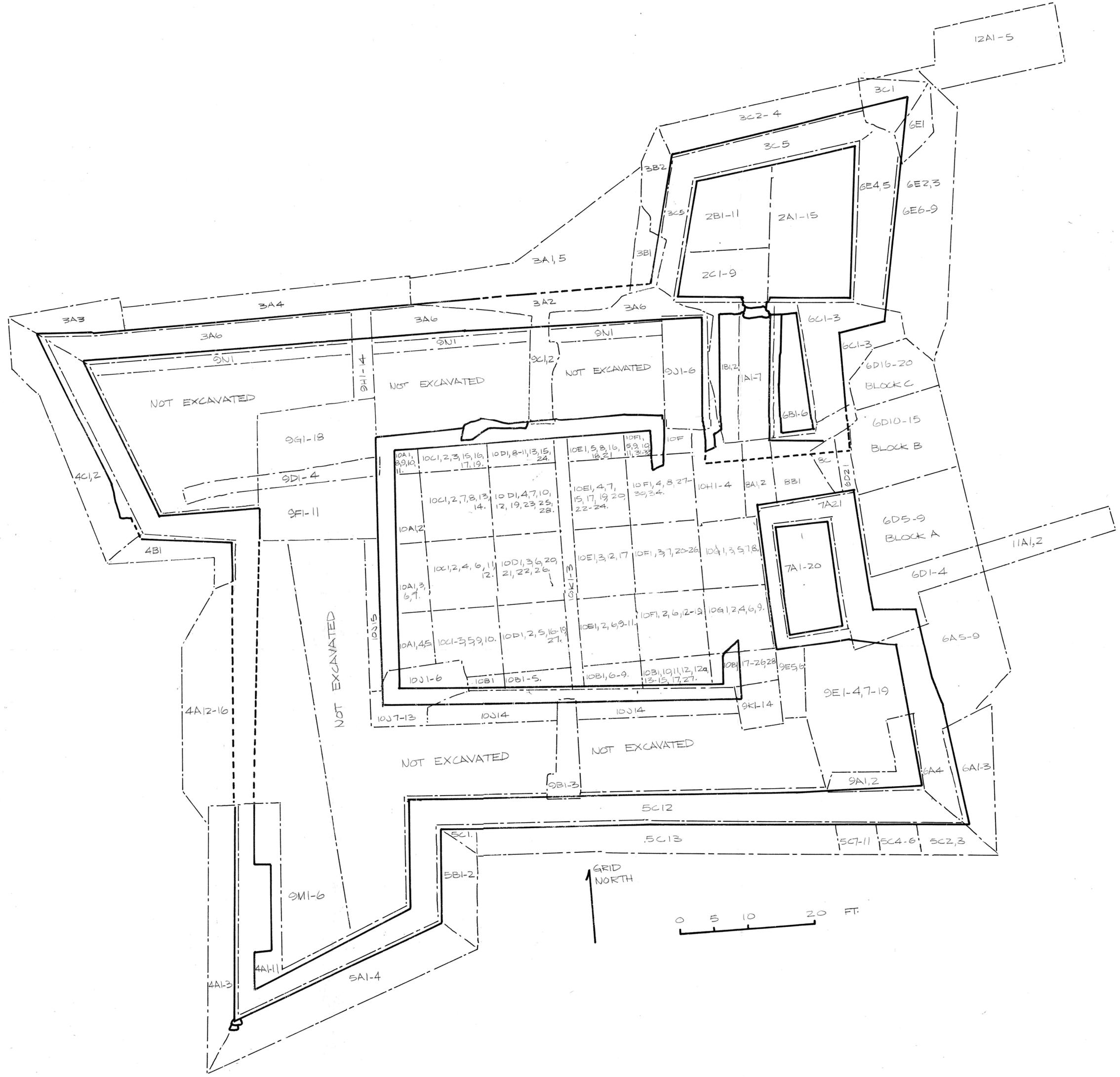


1801

Figure 21. Plan of the excavations showing the location of operations, sub-operations and lots. sub-operation and lot numbers are shown.

FIGURE 21

13A1-6



12A1-5

3C1

3C2-4

3C5

2B1-11

2A1-15

2C1-9

6E4,5 6E2,3
6E6-9

3A3

3A4

3A6

3A6

3A2

3A6

3N1

NOT EXCAVATED

3B2

3C5

3B1

3A6

3N1

3C1,2

3J1-6

1B1,2

1A1-7

6C1-3

6C1-3

6D16-20

BLOCK C

6D10-15

BLOCK B

6D5-9

BLOCK A

6D1-4

11A1,2

7A21

7A1-20

6A5-9

9E1-4,7-19

NOT EXCAVATED

NOT EXCAVATED

NOT EXCAVATED

NOT EXCAVATED

NOT EXCAVATED

NOT EXCAVATED

GRID NORTH

0 5 10 20 FT.

NOT EXCAVATED

NOT EXCAVATED

NOT EXCAVATED

NOT EXCAVATED

NOT EXCAVATED

NOT EXCAVATED

GRID NORTH

0 5 10 20 FT.

10A1, 8,9,10,11

10C1, 2,3,15,16,17,19

10D1, 8-11,13,15,24

10E1, 5,8,16,18,21

10F1, 5,9,19,11,3,33

10C1, 2,7,8,13,14

10D1, 4,7,10,12,19,23,25,28

10E1, 4,7,15,17,19,20,22-24

10F1, 4,8,27-30,34

10A1, 2

10D1, 3,6,20,21,22,26

10E1, 3,2,17

10F1, 3,7,20-26

10G1, 3,5,7,8

10A1, 3,6,7

10C1, 2,4,6,11,12

10E1, 2,6,9-11

10F1, 2,6,12-19

10G1, 2,4,6,9

10A1, 4,5

10C1, 3,5,9,10

10D1, 2,5,16-19,27

10E1, 2,6,9-11

10F1, 2,6,12-19

10J1-6

10B1

10B1-5

10B1, 6-9

10B1, 10,11,12,12a,13-15,17,27

10B1, 17-26,28

10J7-13

10J14

10J14

9E1-4,7-19

4A12-16

9M1-6

5B1-2

5C12

5C13

5C7-11

5C4-6

5C2,3

4A1-3

4A1-11

5A1-4

6A4

6A1-3

Figure 22. Site plan showing architectural features.

FIGURE 22

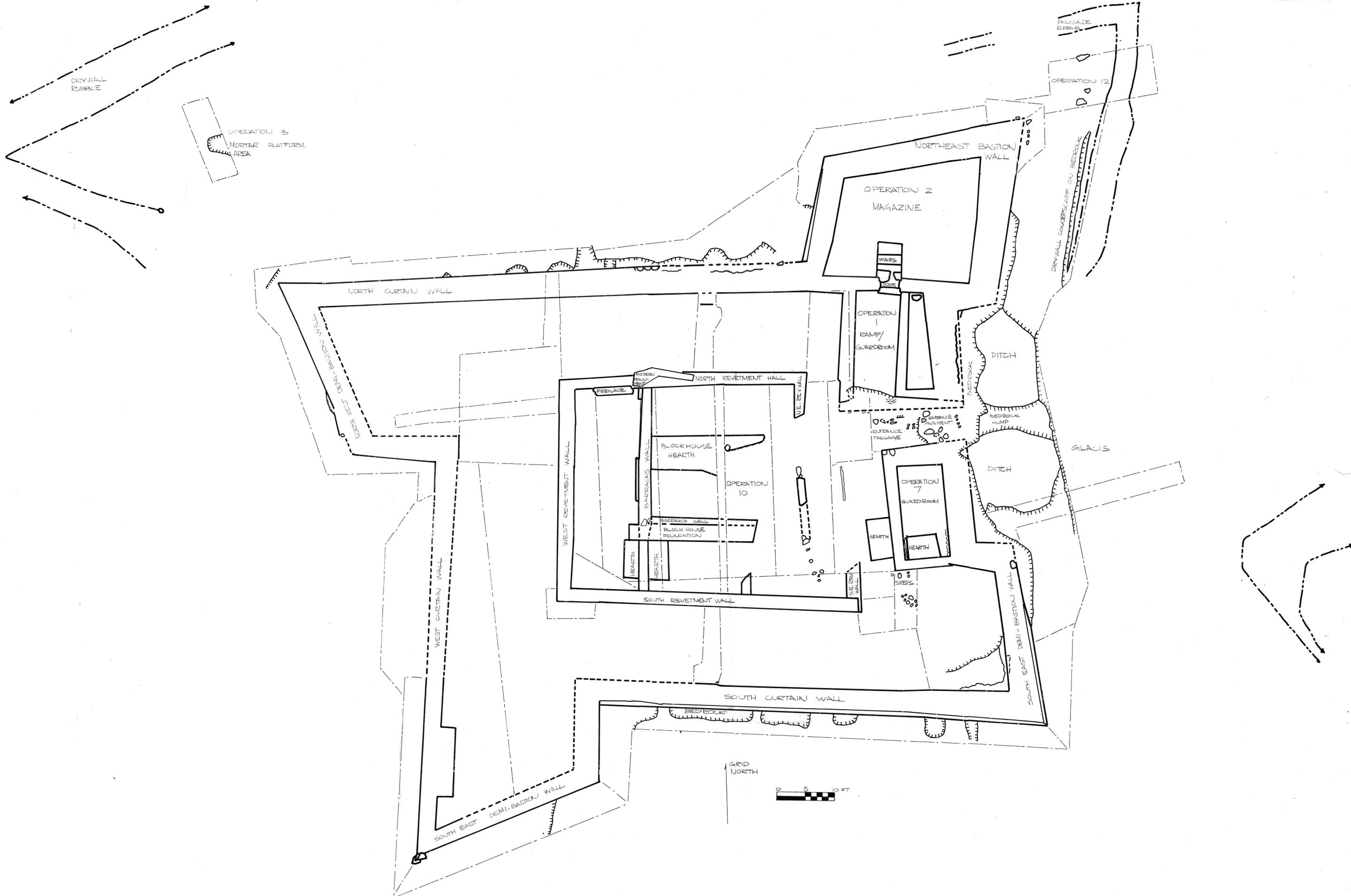


Figure 23. Operations 1 and 2. Elevation showing the east wall of operation 1, the doorway and stairs and cross-section of operation 2 along the same line. Scale in ft.

FIGURE 23

KEY to SYMBOLS

	Surface		Mortar
	Topsoil		Loose Mortar
	Subsoil		Bedrock
	Sand		Brick
	Clay		Stone
	Gravel		Cut Stone

Ops. 2A2 & 2A1
Magazine & Guardroom

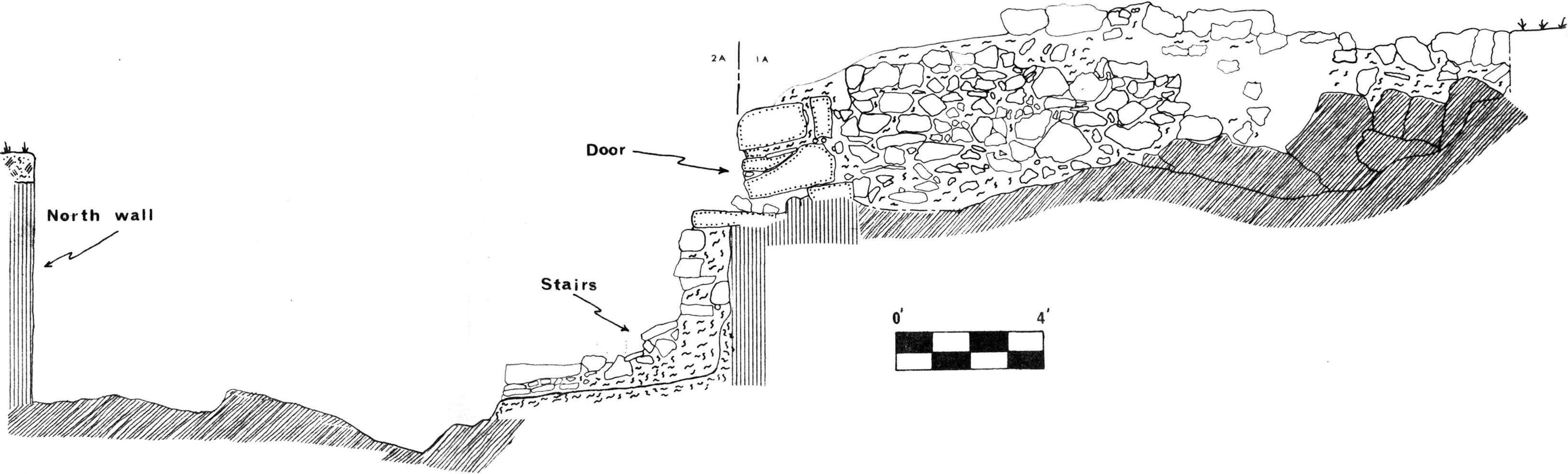


Figure 24. Operation 1. View to the north showing the doorway in the north end of operation 1.



Figure 25. Operation 1. View toward north,
looking down on the threshold in the operation
1 doorway. Cut door stones in the upper right.



Figure 26. Operation 2 and sub-operation 6B.
View toward the north with operation 2 in the
background. Sub-operation 6B in foreground
showing wall between 6B and operation 1 on
the left, and eroded core of the east curtain
wall(6C) on the right.

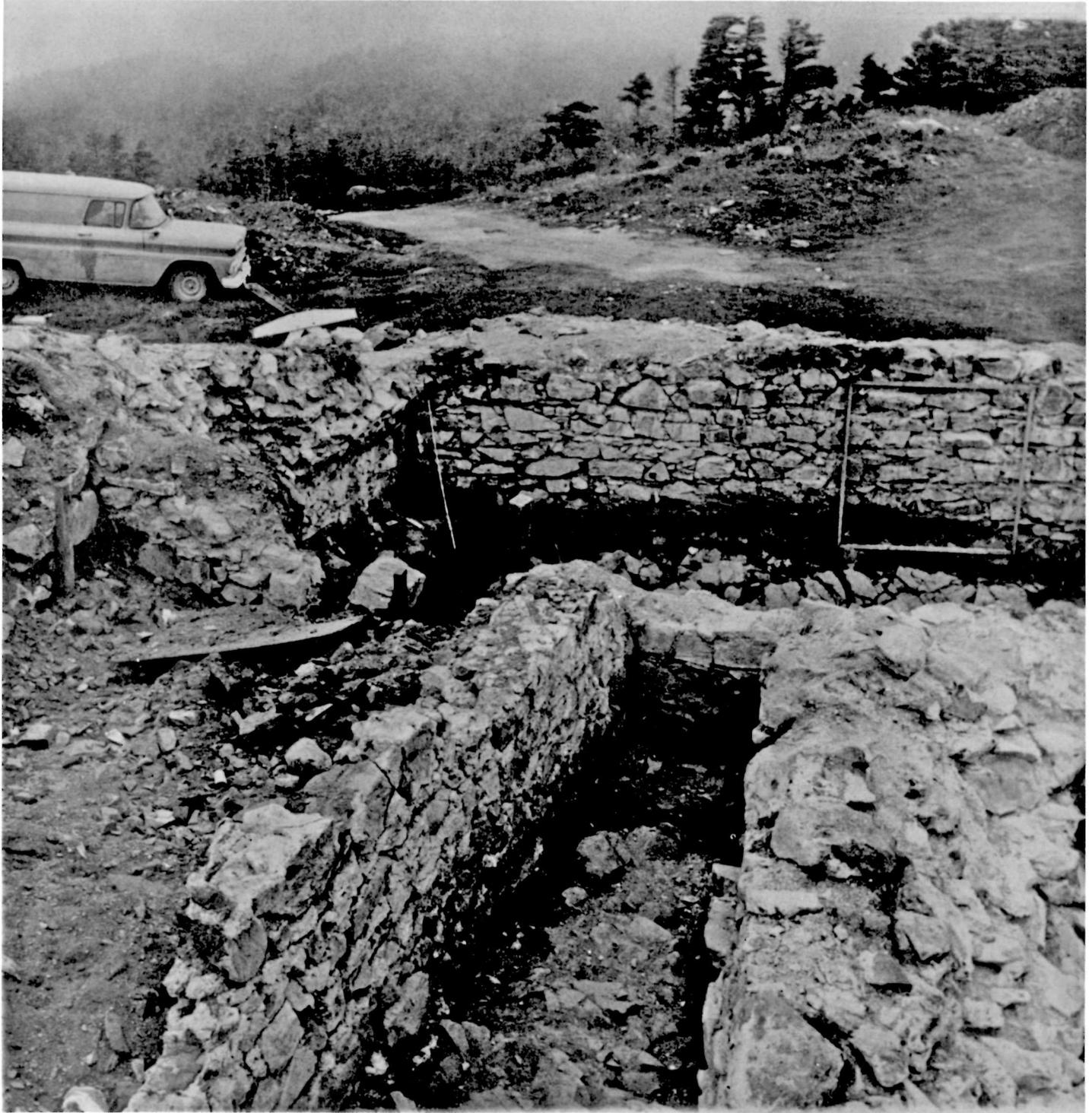
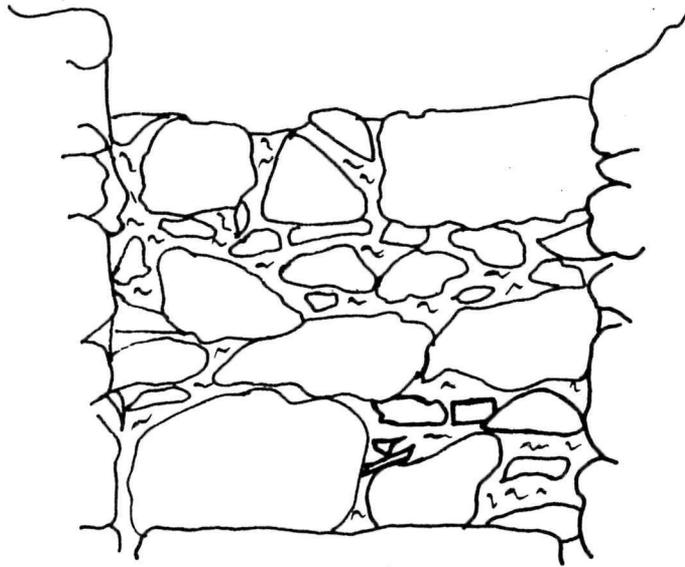
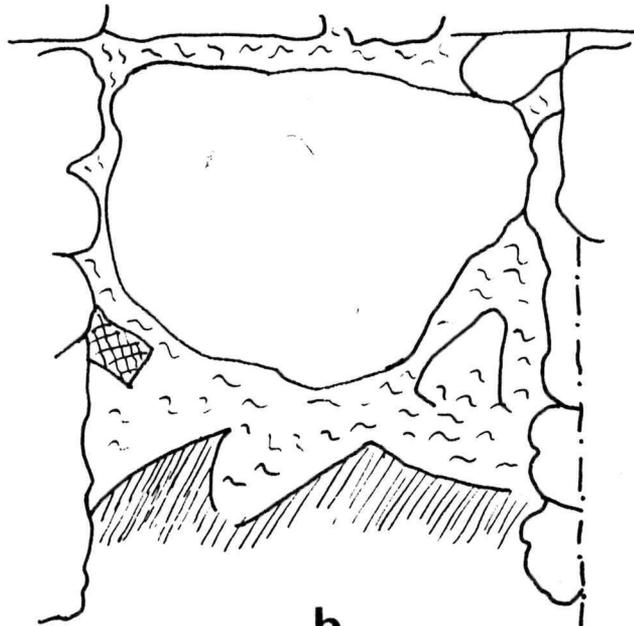
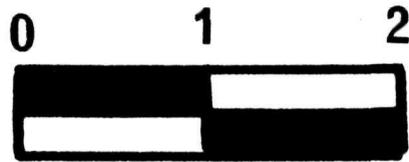


Figure 27. Sub-operation 6B. a. Elevation of wall at north end of sub-operation 6B. b. Floor plan of north end of sub-operation 6B showing paving stone in floor and butted wall joints.
Scale in ft.



a



b

Figure 28. Operation 7. View toward the south showing the English hearth platform in the south end of the guardroom. West wall of room on right, remnant of east curtain wall on extreme left.

Dirt pile in background. Scale in ft.



Figure 29. Operation 7. Looking south at profile showing English hearth platform and floor stratigraphy. Scale in ft.

KEY to SYMBOLS

	Surface		Mortar
	Topsoil		Loose Mortar
	Subsoil		Bedrock
	Sand		Brick
	Clay		Stone
	Gravel		Cut Stone

Op. 2A7A South Profile

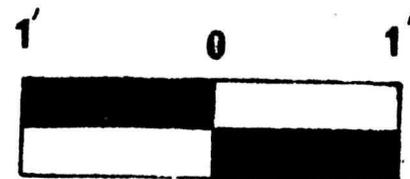
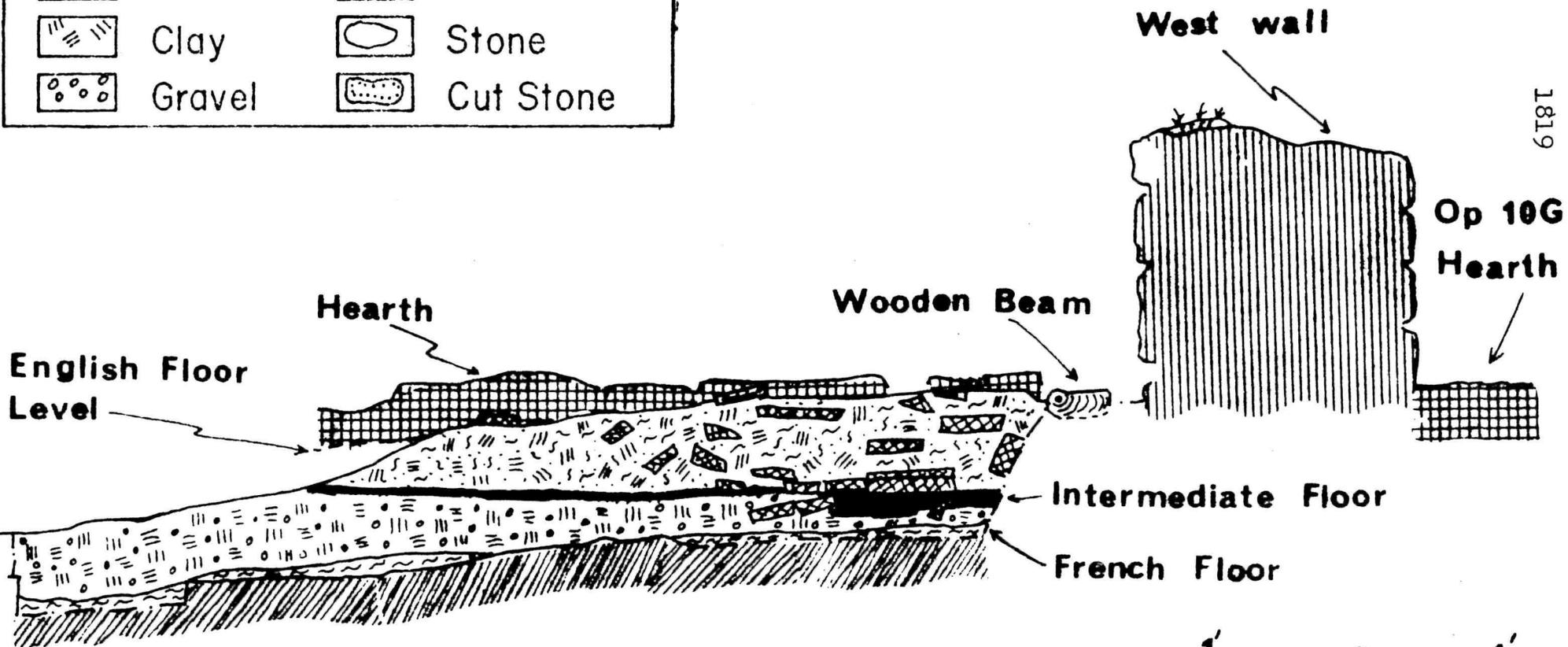


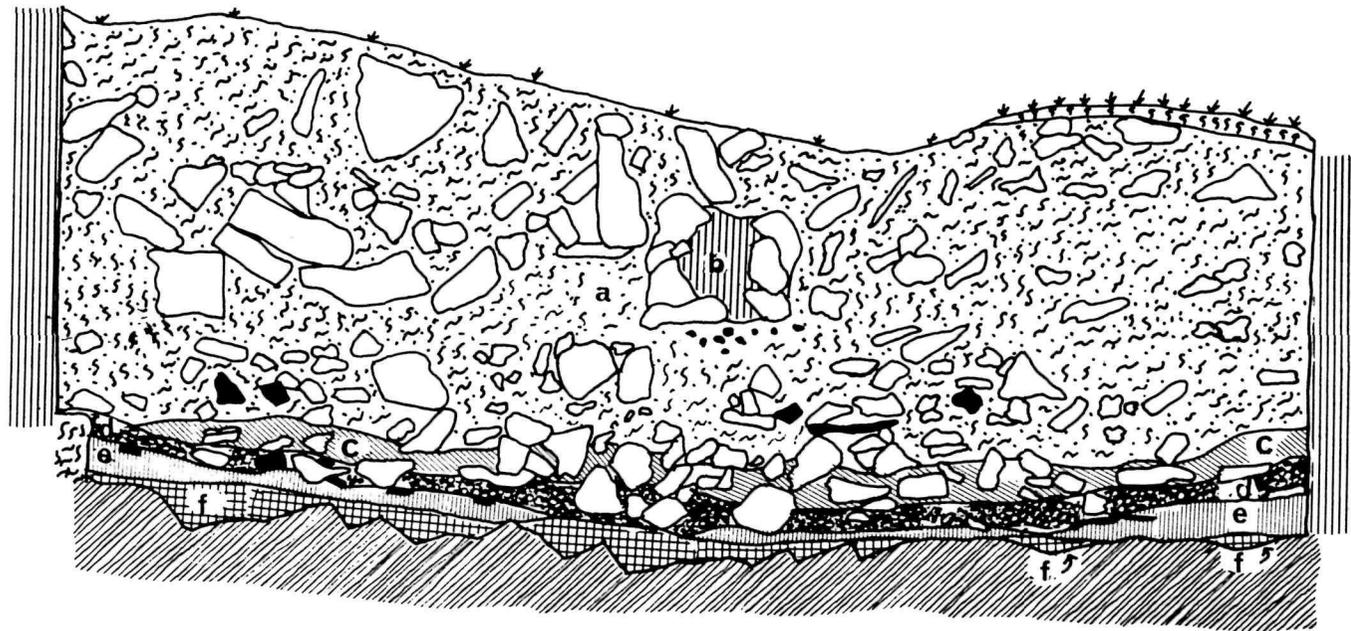
Figure 30. Operation 7. View toward the south showing French fireplace as found beneath English hearth. (Morton 1970: Fig. 11).



Figure 31. Operation 2. Cross-section of the magazine showing fill stratigraphy and floor deposits. Layers identified on drawing.
Scale in feet.

Op. 2A2A Magazine

South
Wall



North
Wall

1823

KEY to SYMBOLS

	Surface		Mortar
	Topsoil		Loose Mortar
	Subsoil		Bedrock
	Sand		Brick
	Clay		Stone
	Gravel		Cut Stone

- a Fill
- b Fallen Arch
- c English Level
- d French Level
- e French Floor
- f Sub-floor Fill

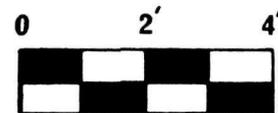


Figure 32. Operation 2. View toward the southwest showing the doorway, stairs and southwest corner of the magazine. Doorway is in the centre of the south wall.



Figure 33. Operation 2. View toward the north, showing a section of the north interior wall of the magazine. Scale in ft.



2A2
N WALL
28 AUG 65

Figure 34. Operation 2. View toward the southwest showing the remnant of the arch in the southwest corner of the magazine. Scale in ft.

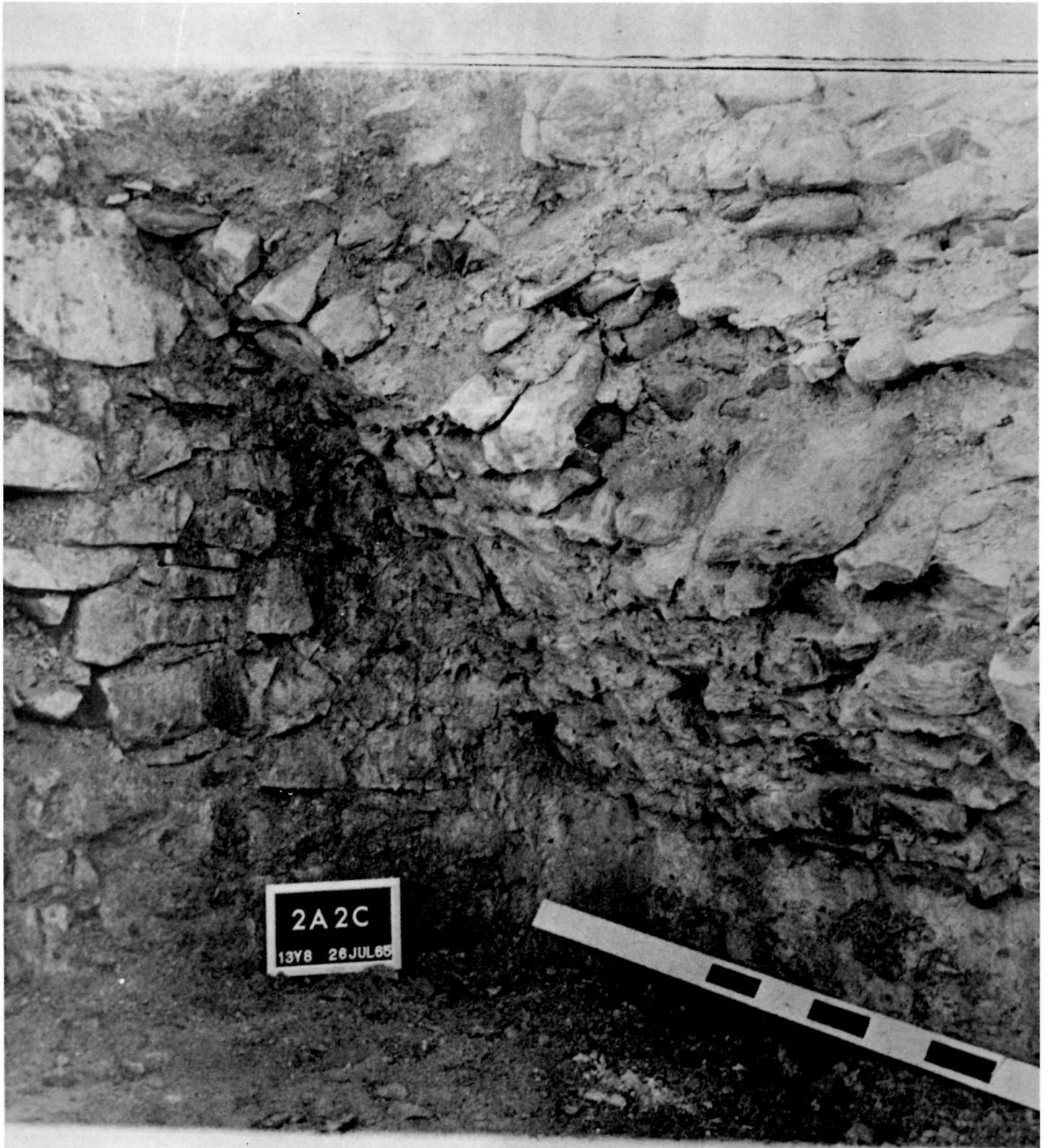


Figure 35. Operation 2. View toward the east showing a portion of the east wall of the magazine. Remnant of the arch may be seen above the vertical wall. Scale in ft.



Figure 36. Operation 2. Floor plan of sub-operation 2C showing magazine stairway and door.

Features shown: operation 1 threshold (a), cut stones in doorway (b), threshold at top of stairs inside magazine (c), grey clay and wood stains (d), bottom stair tread (e), line of magazine wall (f), eyebolts on floor level (g), black stained sandy deposit (h), loose tan mortar (i). Scale in ft.

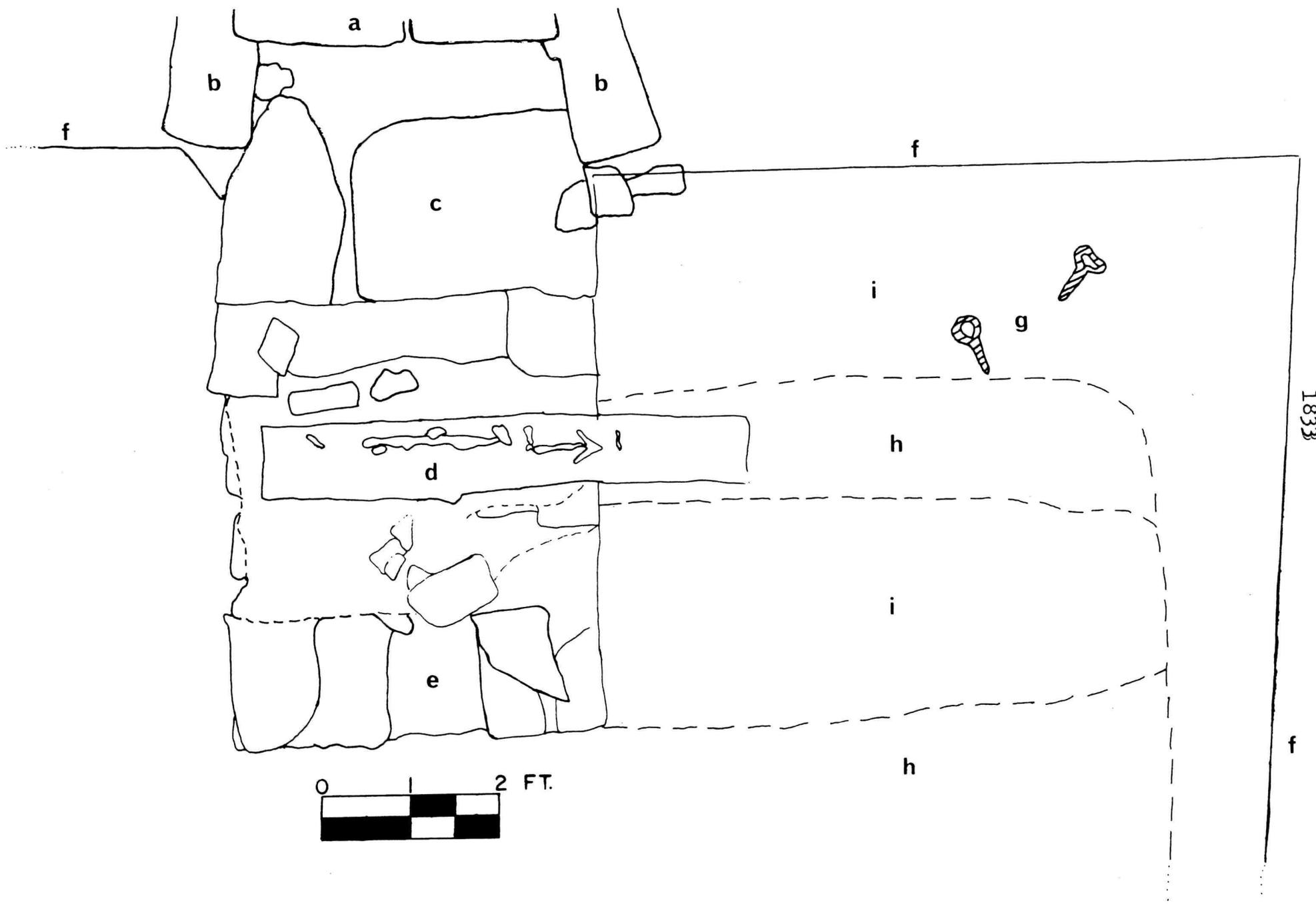


Figure 37a. Operation 10. View looking toward the southeast at sub-operation 10G. Rotted floor sleeper beam in centre near scale, hearth platform adjacent to west wall of operation 7 in background.



Figure 37b. View toward the northeast looking down in sub-operations 10C and D. Twin French hearth bases in lower right corner. English blockhouse foundation superimposed on French barracks wall in centre and blockhouse hearth platform in upper left centre.

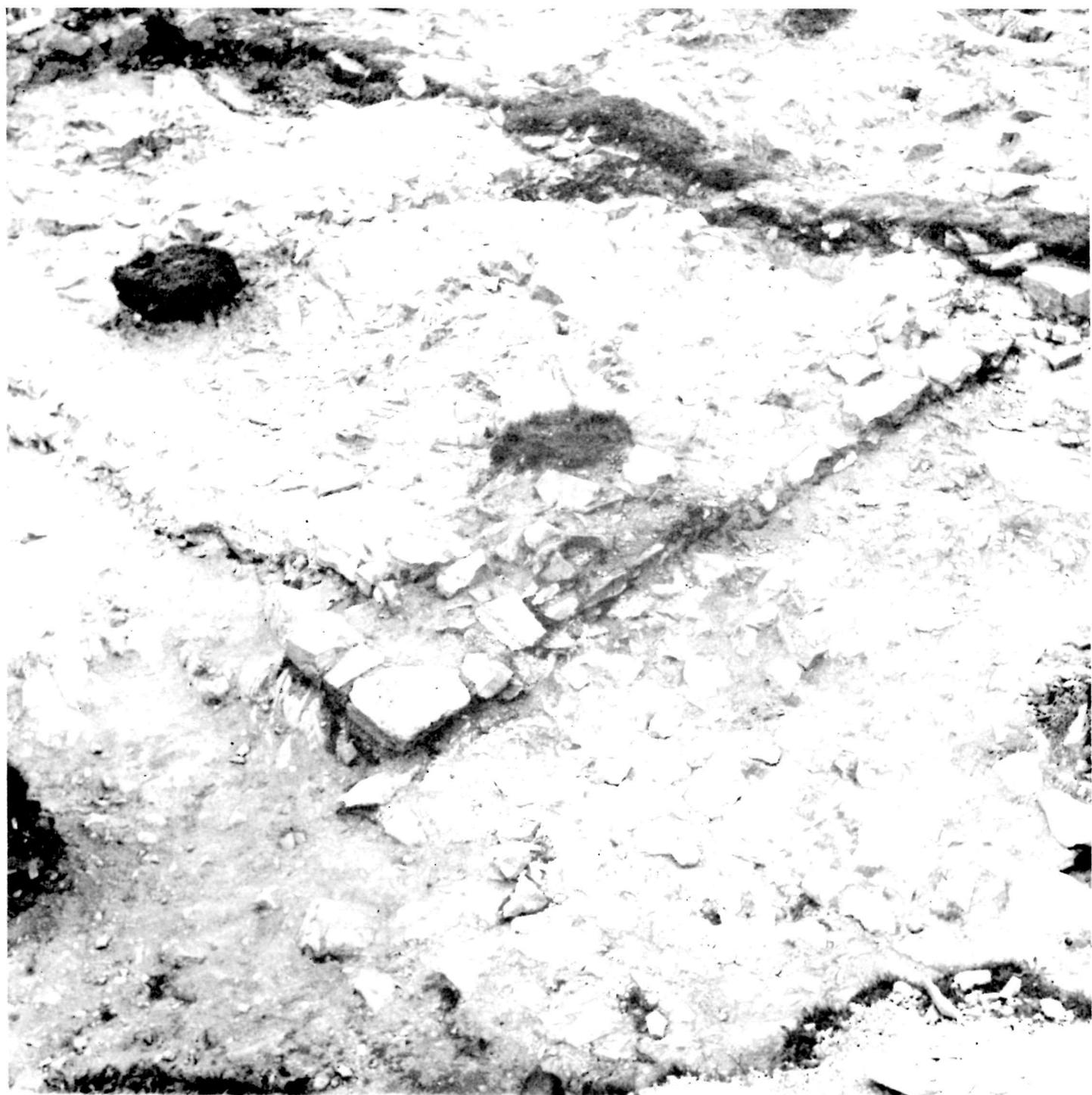


Figure 38. Operation 10. Plan of operation 10 area showing various architectural features. Features shown: French brick fireplace (a), French barracks wall (b), French hearth base (c,d), English blockhouse foundation (e), French barracks wall adjacent to and beneath blockhouse foundation (f), English blockhouse hearth base (g), French barracks wall remnant (h), English storehouse foundation remnant (i), northeast revetment wall (j), southeast revetment wall (k), wooden floor beam (l), English hearth platform (m,n), masonry wall between stair area up to gun platform (on left side of wall) and operation 1 ramp down to magazine (on right side of wall) (o), wall between operation 1 and sub-operation 6B (p), mortar stain and rubble on bedrock in entrance area, probably footer for English stair into guardroom (q), pavement in entrance, operation 8, partly obscured by modern footbridge sleepers (r), English stair in 9E (s), rubble revetment (?) in 9E (t), modern monument in north revetment wall (u), unexcavated baulk, line of cross-section of site (v), west revetment wall (w), south revetment wall (x), east curtain wall, part of operation 7 (y).

Scale in ft.

FIGURE 38



لحمنا

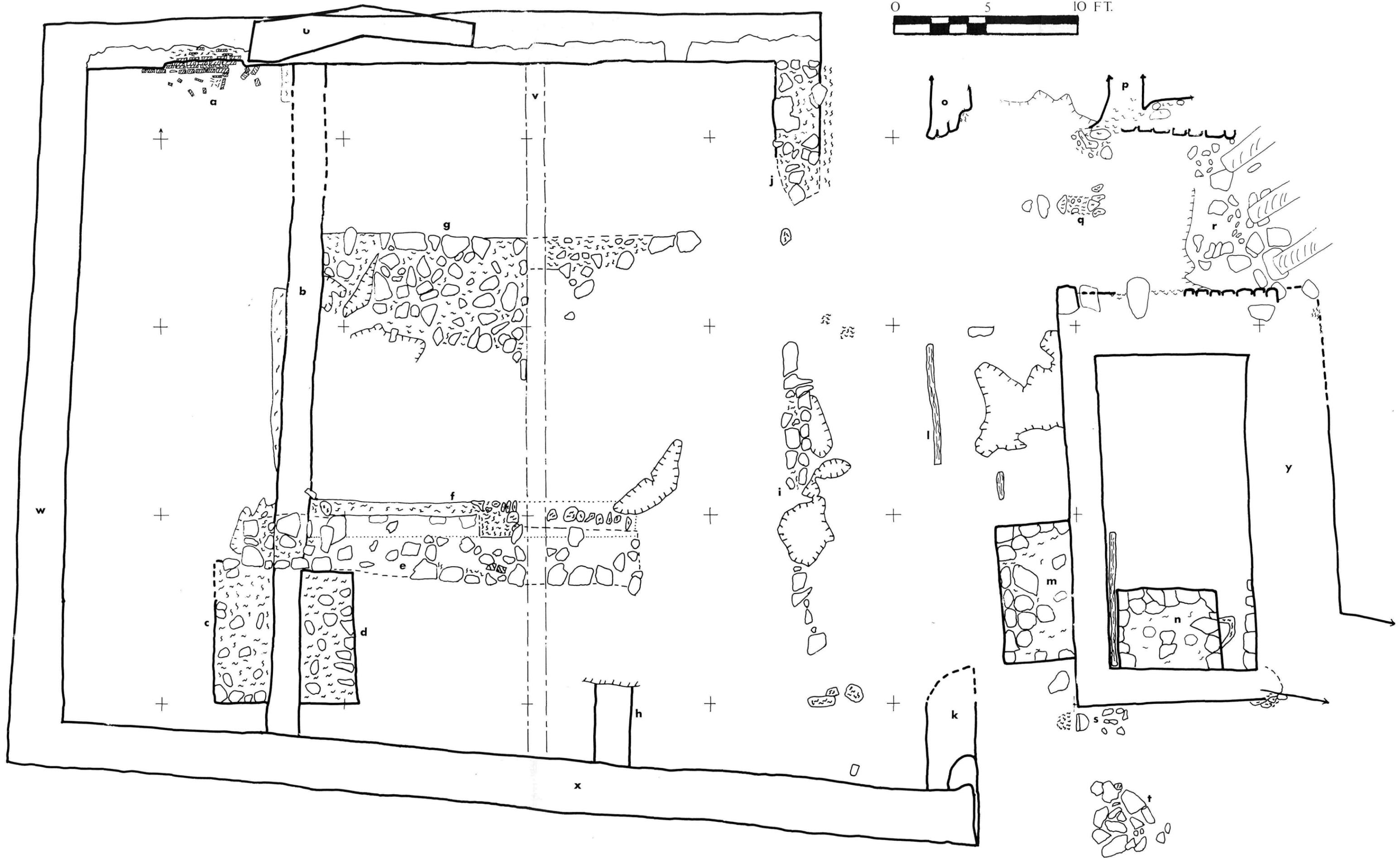
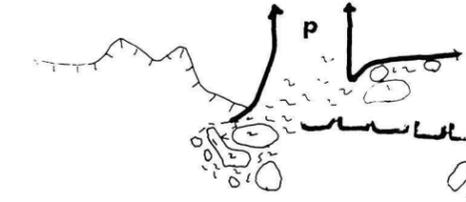
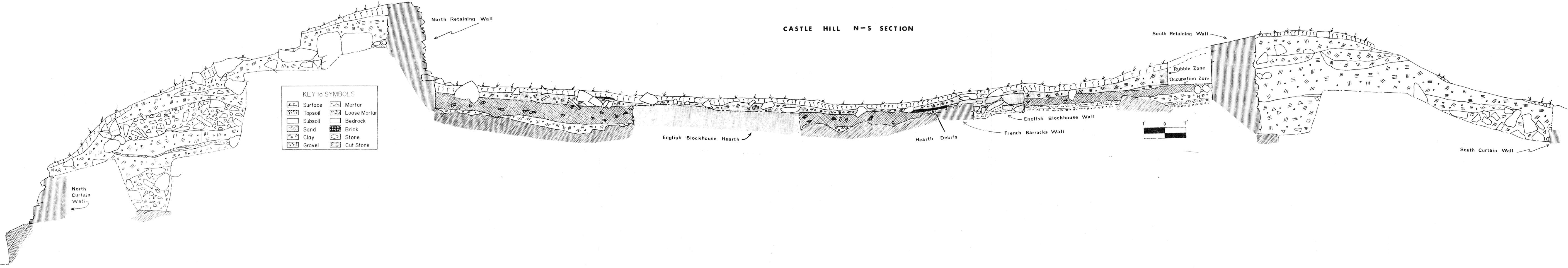


Figure 39. Cross-section of the site. Profile, looking east, across centre of site, comprised of profiles in sub-operations 9B, 10D and 9C. Illustrates fill stratigraphy in interior of redoubt and relationship of curtain walls to bedrock knob core of the fort. Stratigraphic elements indicated on drawing. Scale in ft.

FIGURE 39

CASTLE HILL N-S SECTION



KEY to SYMBOLS

	Surface		Mortar
	Topsoil		Loose Mortar
	Subsoil		Bedrock
	Sand		Brick
	Clay		Stone
	Gravel		Cut Stone



North Retaining Wall

South Retaining Wall

Rubble Zone

Occupation Zone

English Blockhouse Wall

French Barracks Wall

English Blockhouse Hearth

Hearth Debris

South Curtain Wall

North Curtain Wall

Figure 40. Sub-operation 10J. Elevation of the interior side of the south revetment wall at its southwest corner. Line of the west revetment wall (a). Mortar footer (b). Scale in ft.

FIGURE 40

335.81'
A.S.L.

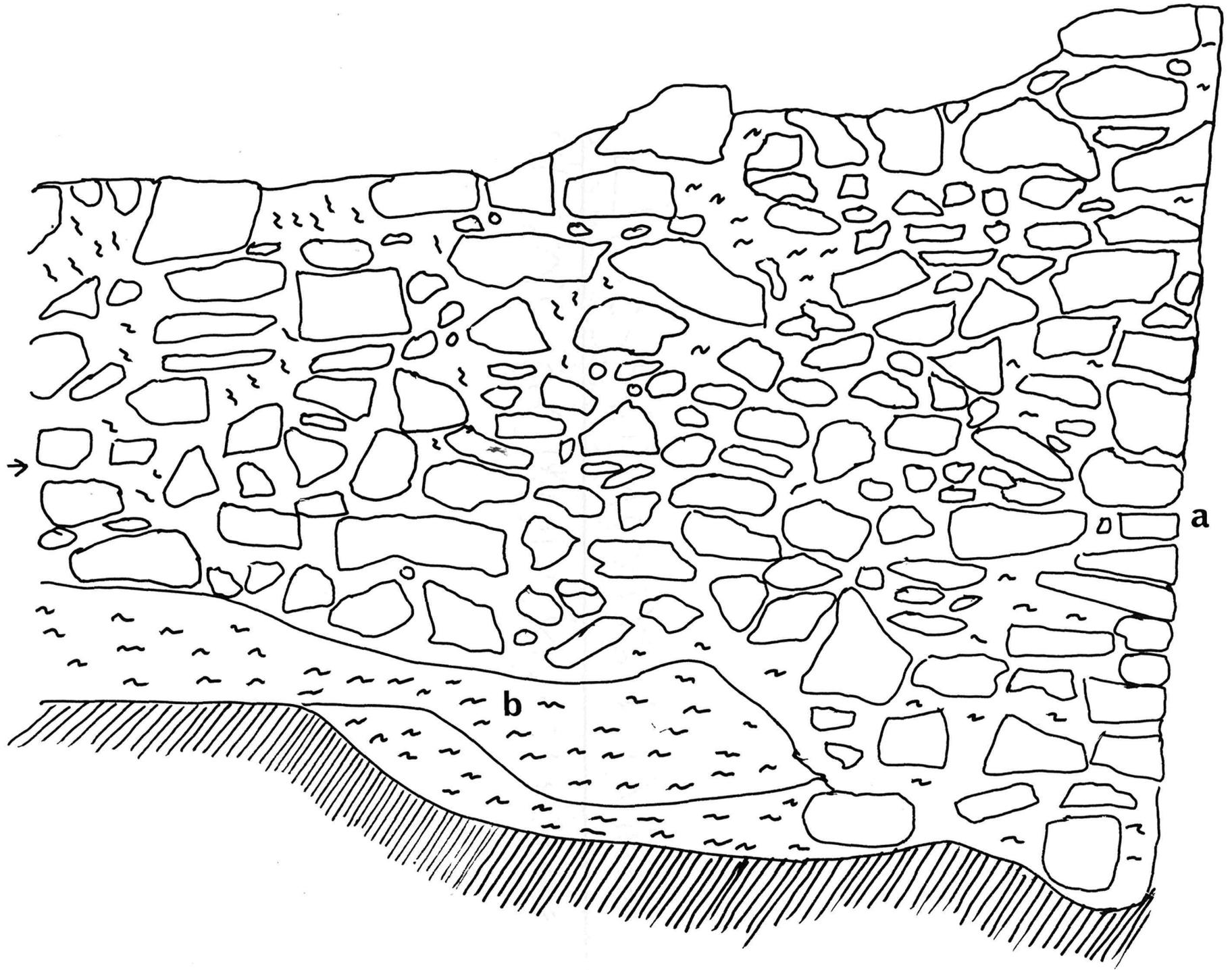


Figure 41. Sub-operation 10B. Looking south at stratigraphic profile at east end of the sub-operation. Features shown: elevation of the south revetment wall (a), line of the revetment corner (b), southeast revetment wall section (c), hollow space in rampart fill (d), refuse deposit (e), and dark stained midden deposit in rampart fill (f). Scale in ft.

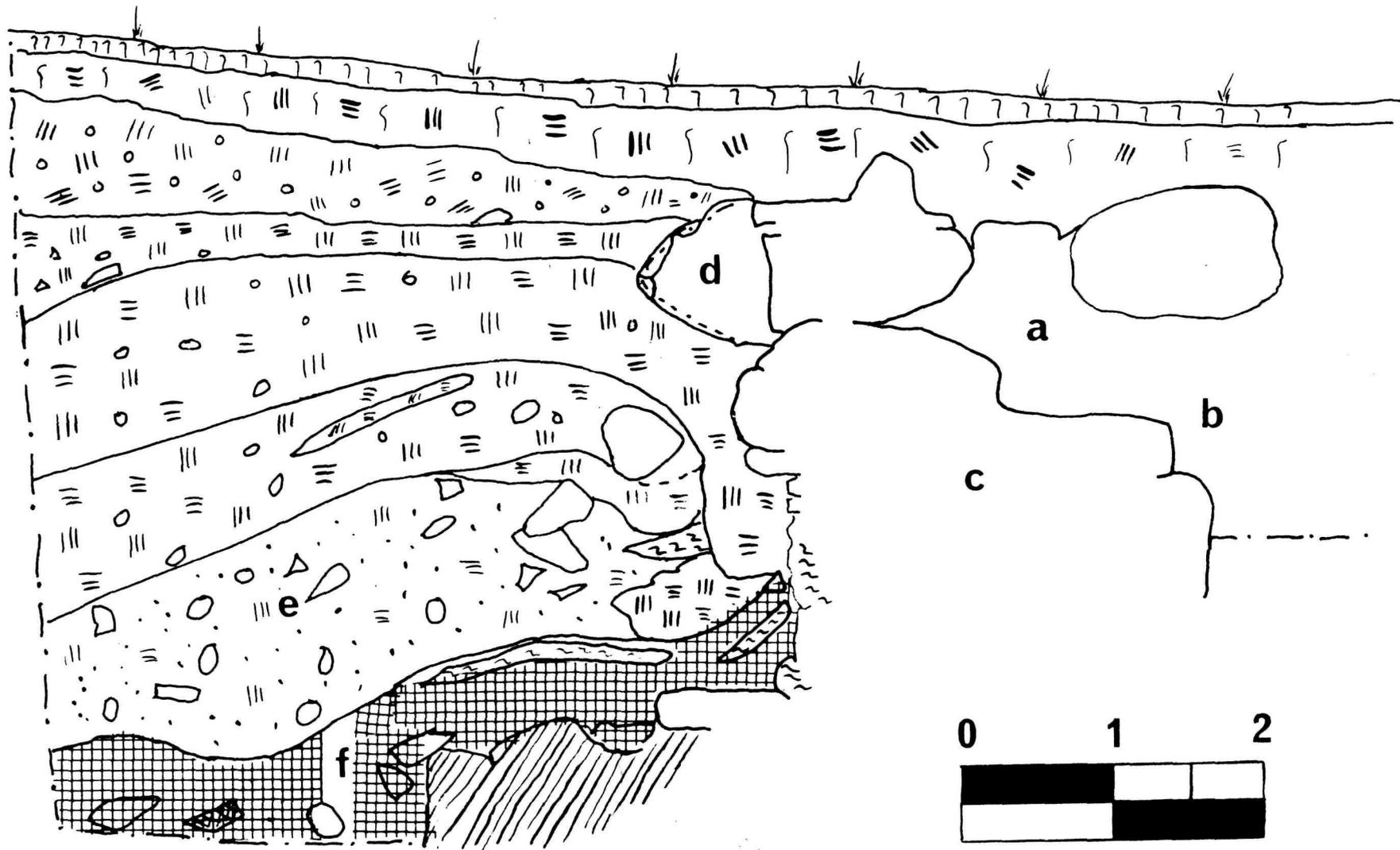
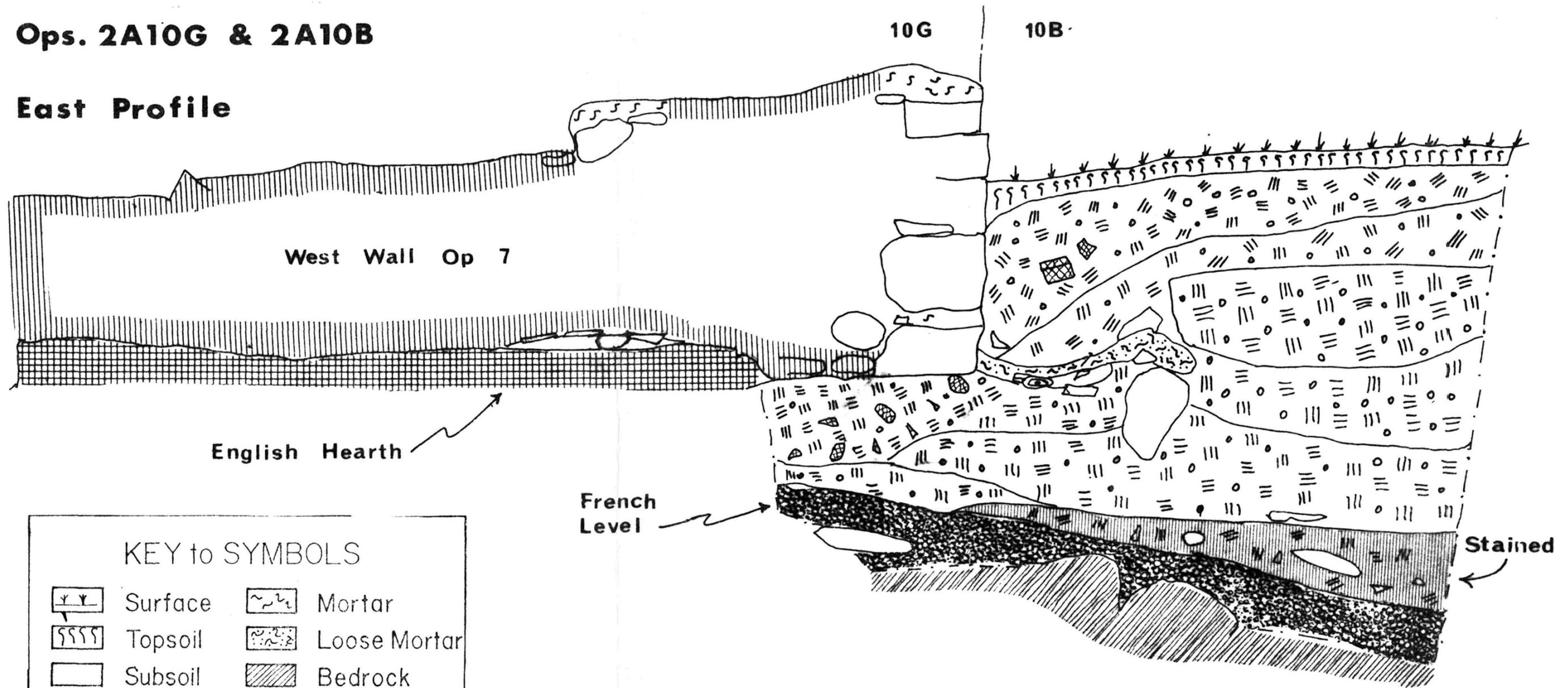


Figure 42. Sub-operations 10B and 10G. View toward the east showing wall elevation of operation 7 (wall footer masked by refuse deposits). English hearth platform above the French refuse deposit is in operation 10G and intrusive English stairs in operation 10B also continue into 9E. Scale in ft.

FIGURE 42

Ops. 2A10G & 2A10B

East Profile

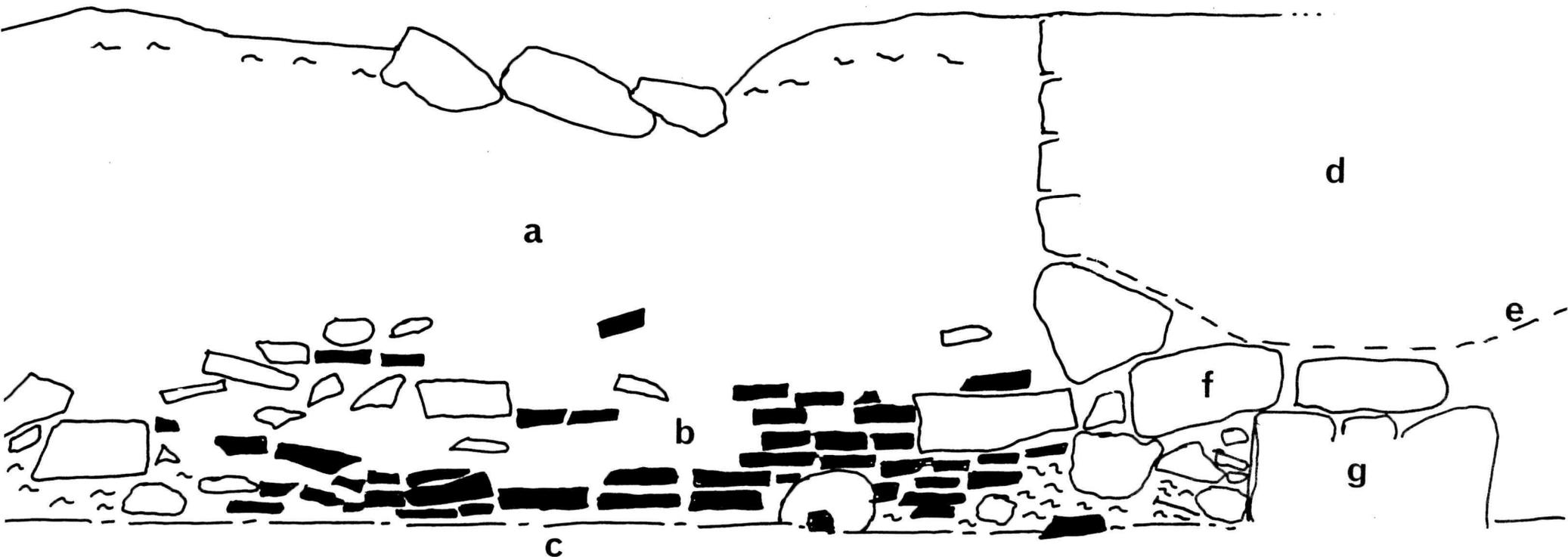


KEY to SYMBOLS

	Surface		Mortar
	Topsoil		Loose Mortar
	Subsoil		Bedrock
	Sand		Brick
	Clay		Stone
	Gravel		Cut Stone



Figure 43. Sub-operation 10C. Elevation showing French brick fireplace in north revetment wall. Features shown: core of north revetment wall (face missing) (a), fireplace bricks mortared into wall, in situ (b), fireplace brick extends horizontally into occupation zone at this level (c), modern monument built into revetment wall (d), line of tuckpointing related to modern monument (e), face stones of north revetment wall (f), **French** barracks wall in section (g), limit of the brick debris in occupation zone (h). Scale in ft.

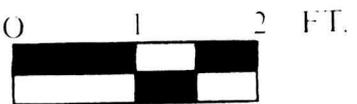
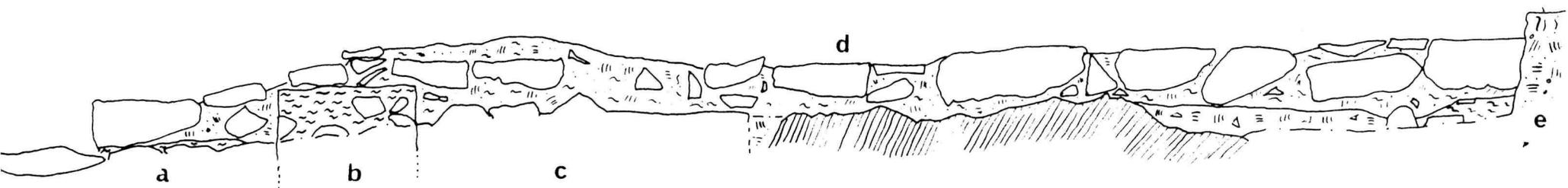


↑
h

0 1 2 FT.



Figure 44. Sub-operation 10C and 10D. View toward the north showing elevation of English blockhouse foundation stratigraphically above French barracks wall. Features shown: French hearth base (a), French barracks wall (b), French hearth base (c), English blockhouse foundation (d), unexcavated baulk (e). Scale in ft.



1851

Figure 45. Sub-operation 10D. Elevation of English blockhouse hearth platform, looking toward south. Features shown: hearth platform (a), French barracks wall line (b). Scale in ft.

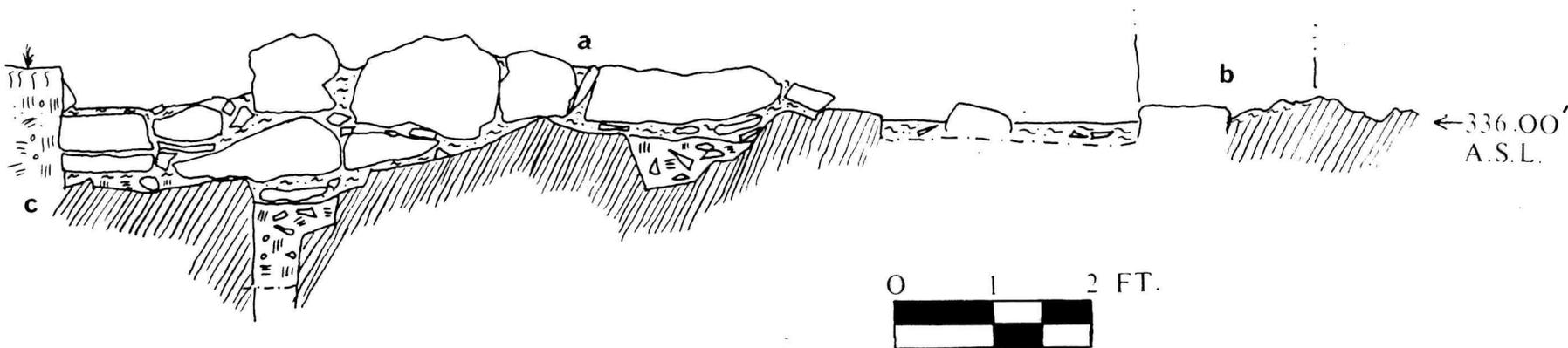


Figure 46. Sub-operation 10F. Elevation showing remnant of west wall of English storehouse, looking toward east. Scale in ft.

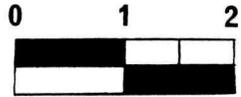
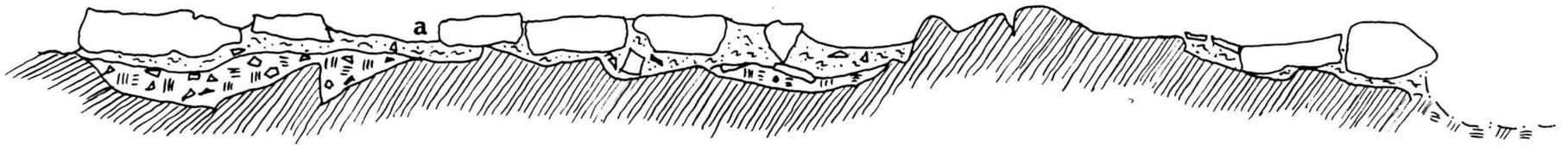


Figure 47. Sub-operation 3A. Elevation of north
curtain wall from re-entrant to salient angle.
Scale in ft.

FIGURE 47

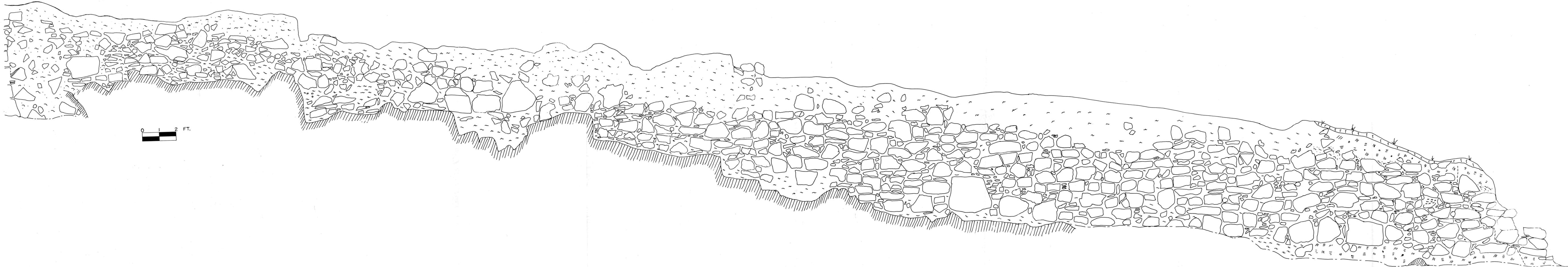


Figure 48. Sub-operation 3B. Elevation of the west flank of the northeast bastion. Features shown: Shoulder angle (a), line of re-entrant angle (b), stone in north curtain wall at re-entrant angle, in situ (c). Scale in ft.

FIGURE 48

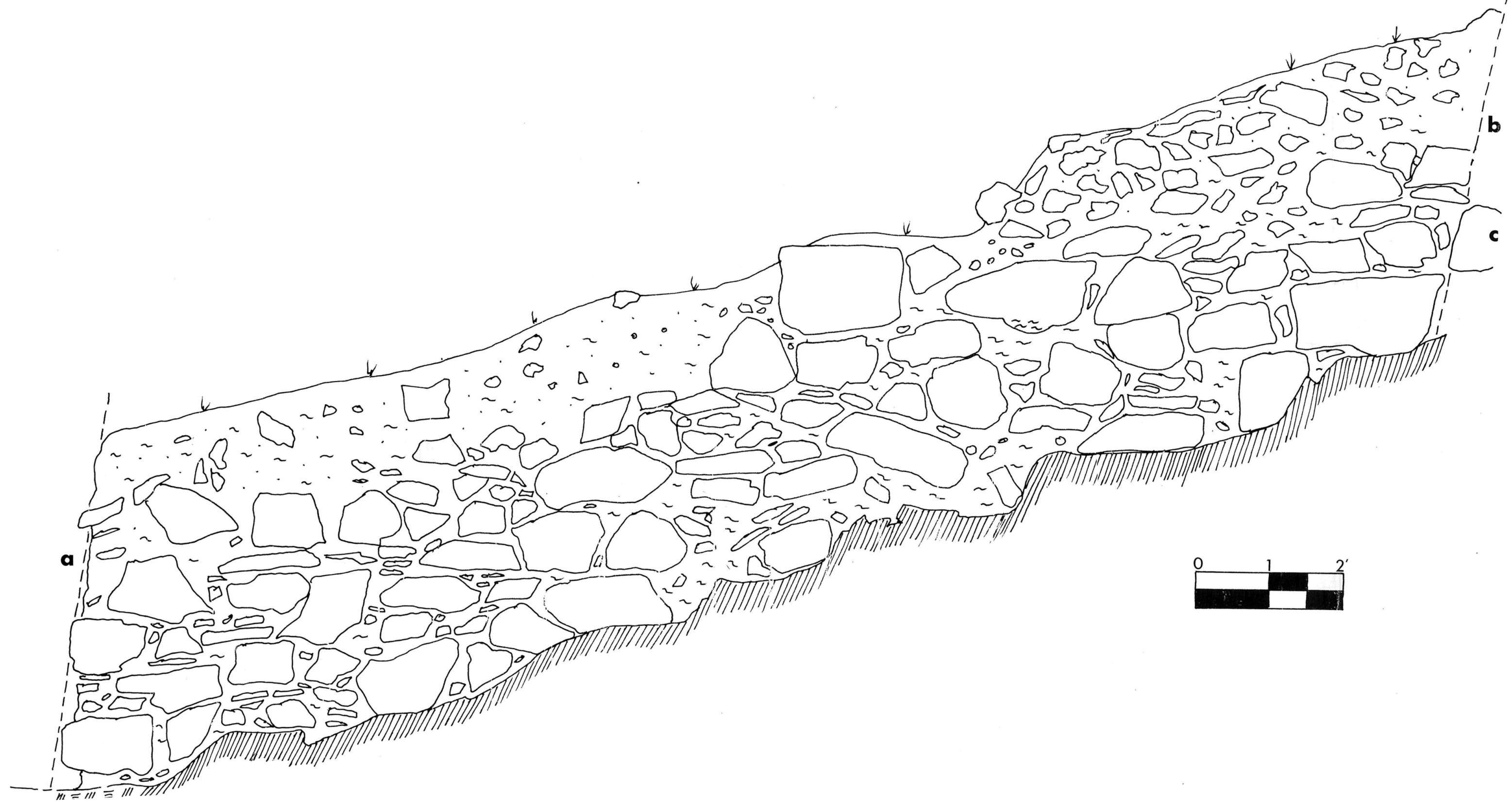


Figure 49. Sub-operation 3C. Elevation of north face of the northeast bastion from shoulder angle to salient. Shoulder angle at right, salient angle at left, partly collapsed and slightly out of original position. Scale in ft.

FIGURE 49

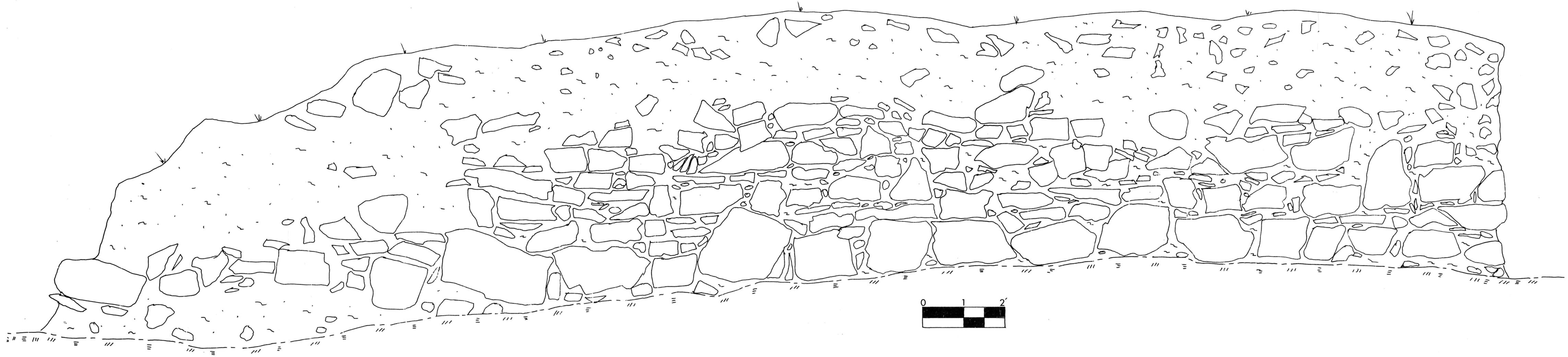
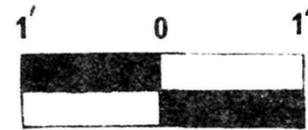
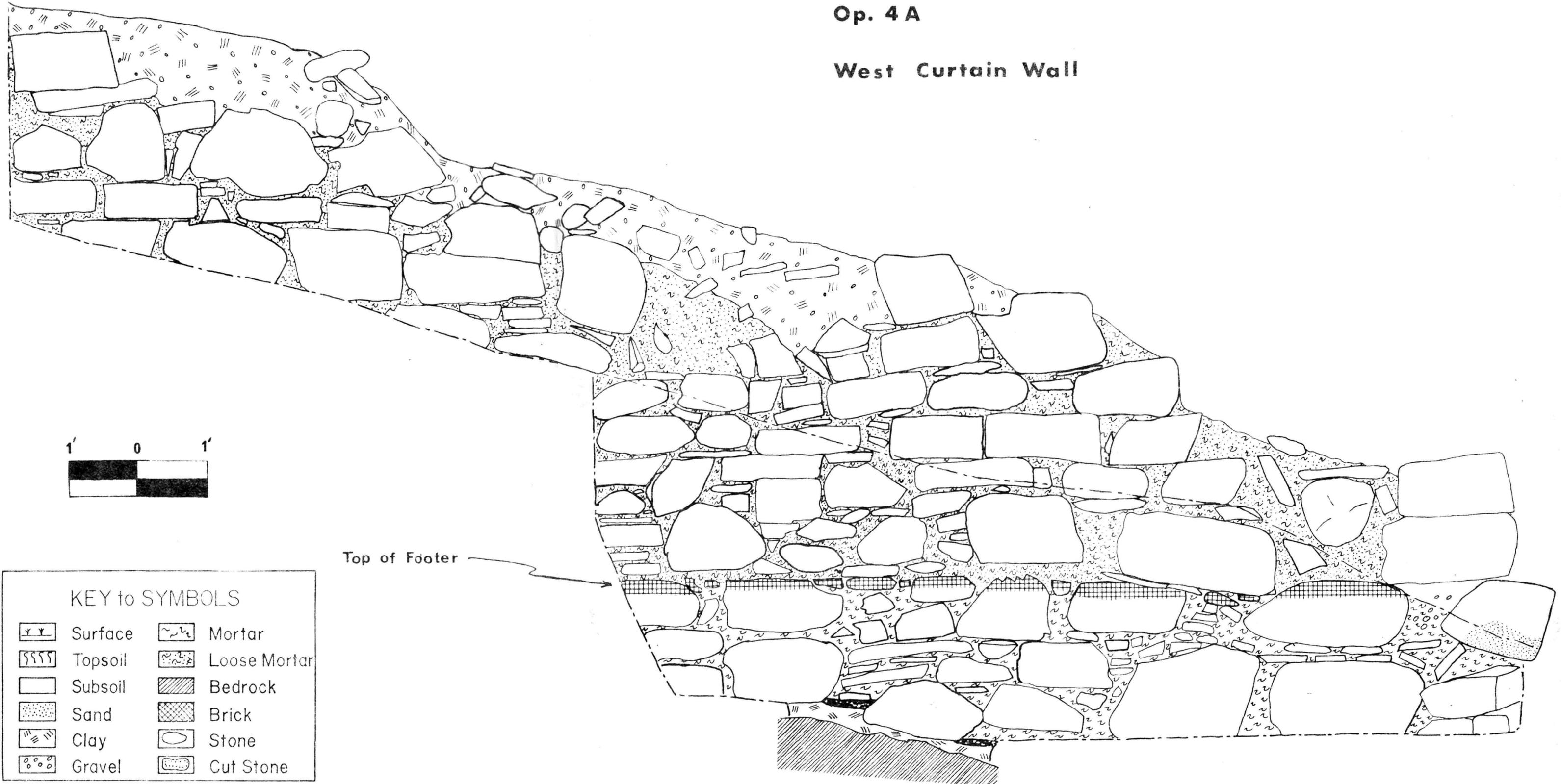


Figure 50. Sub-operation 4A. Elevation of the west curtain wall at the salient angle of the southwest demi-bastion, showing wall footer. Scale in ft.

FIGURE 50

Op. 4 A

West Curtain Wall



Top of Footer

KEY to SYMBOLS

	Surface		Mortar
	Topsoil		Loose Mortar
	Subsoil		Bedrock
	Sand		Brick
	Clay		Stone
	Gravel		Cut Stone

Figure 51. Sub-operation 4A. View toward the north showing the profile of stratigraphic deposits along the west curtain wall at the salient angle. Scale in ft.

KEY to SYMBOLS

	Surface		Mortar
	Topsoil		Loose Mortar
	Subsoil		Bedrock
	Sand		Brick
	Clay		Stone
	Gravel		Cui Stone

Op. 2A4A
Talus Profile

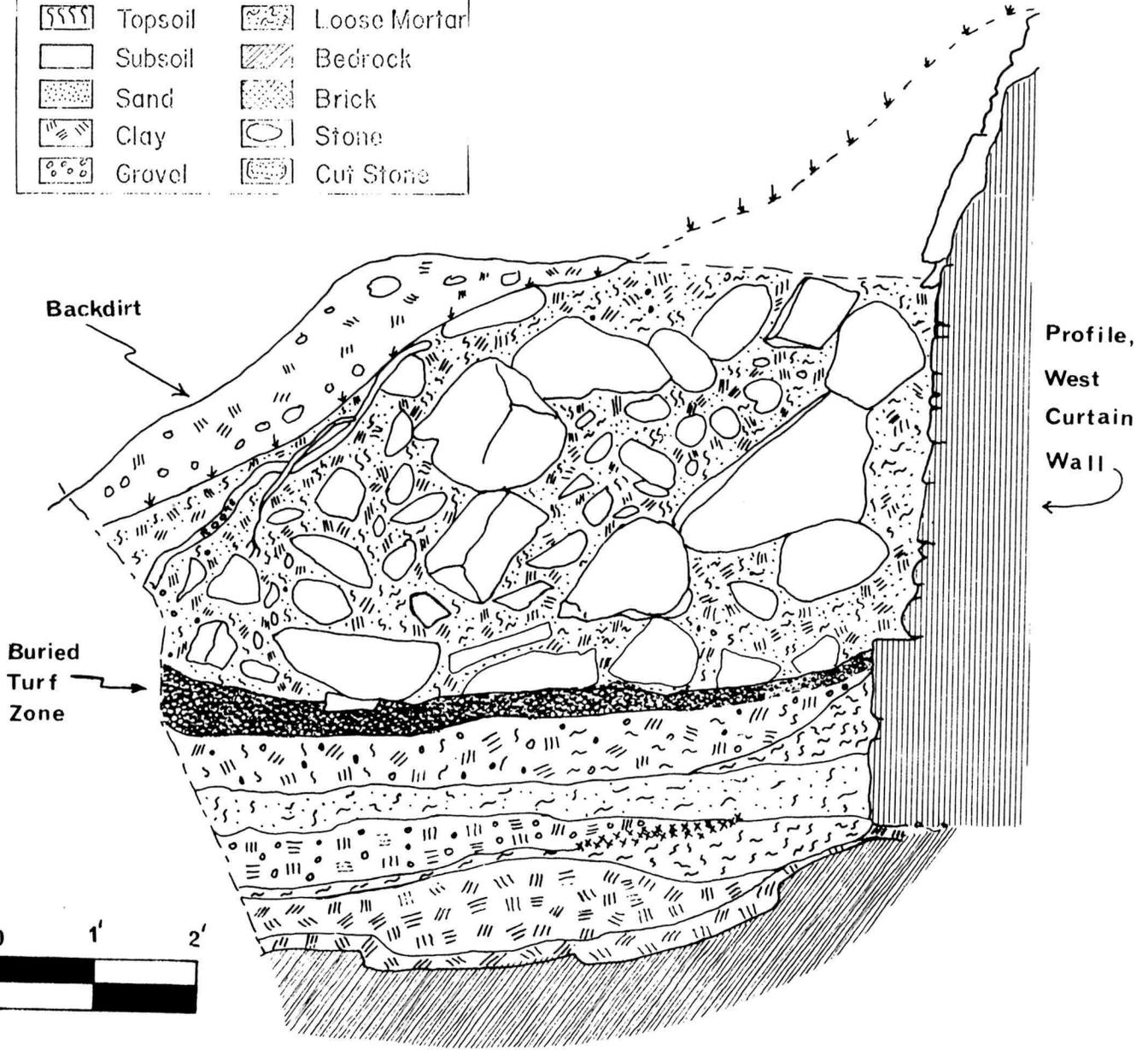
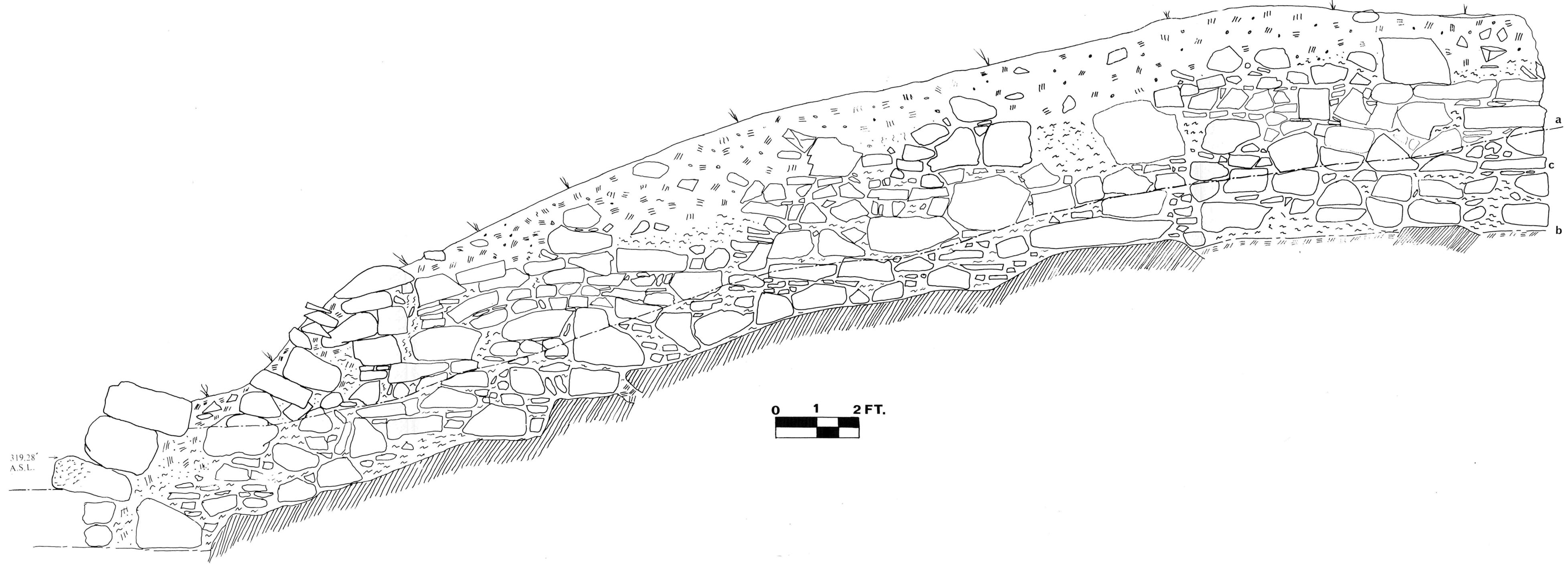


Figure 52. Sub-operation 5A. Elevation of the south face of the southwest demi-bastion from salient to shoulder angles. Features shown: limit of 1965 excavation (a), shoulder angle foundation on clay above bedrock (b), line of the shoulder angle (c). Scale in ft.

FIGURE 52



319.28'
A.S.L.

0 1 2 FT.

Figure 53. Sub-operation 5B. Elevation of the east flank of the southwest demi-bastion. Features shown: line of the south curtain wall at the re-entrant angle (a), shoulder angle (b). Scale in ft.

FIGURE 53

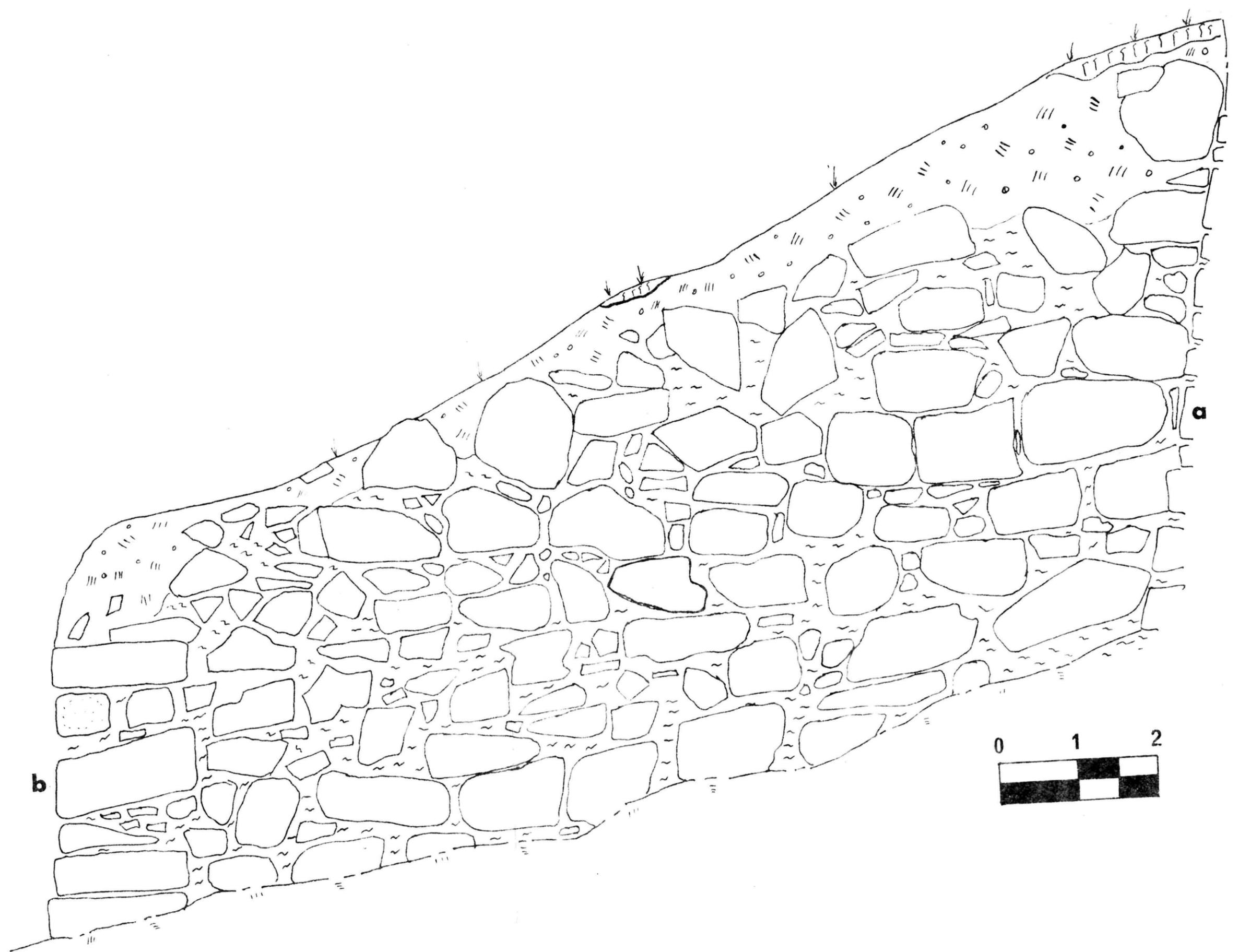
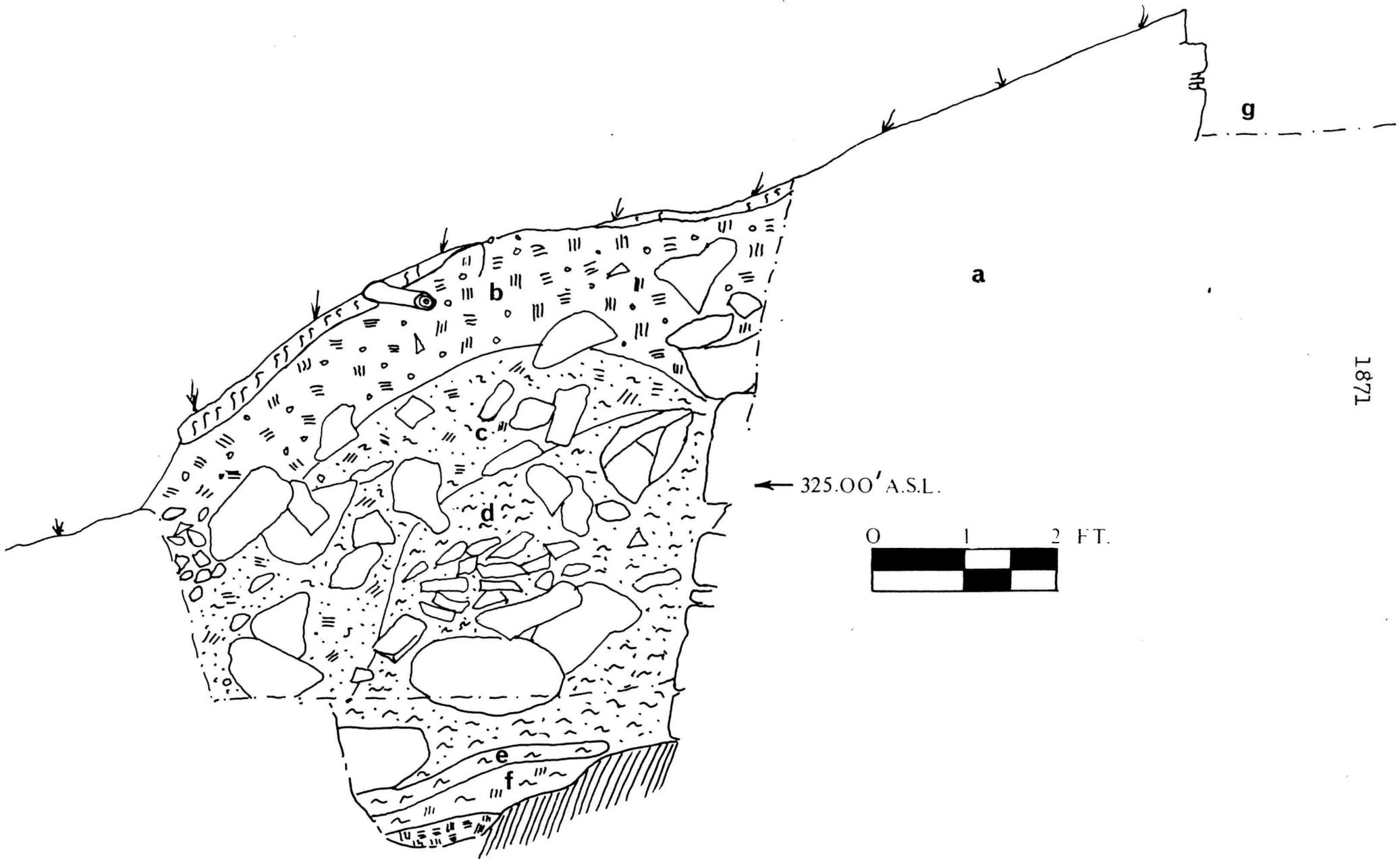


Figure 54. Sub-operation 5C. Profile of talus rubble along the south curtain wall; looking west, near the salient angle. Features shown: south curtain wall in profile (a), 5C1 (b), 5C2 (c), 5C4 (d), 5C6 (e), 5C7 (f), operation 9A (g). Scale in ft.



1871

Figure 55. Sub-operation 5C. Elevation of the south curtain wall from the re-entrant to the salient angle. Scale in ft.

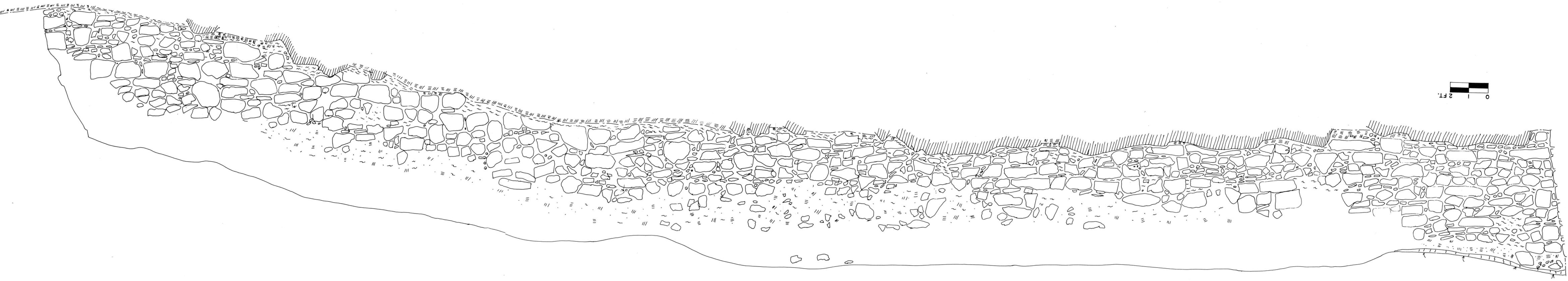


Figure 56. Sub-operation 6A. Elevation of the east face of the southeast demi-bastion. Features shown: bedrock core with face stones missing (a), eroded core of wall (b), approximate shoulder angle line (c), salient angle and line of the south curtain wall (d). Scale in ft.

FIGURE 56

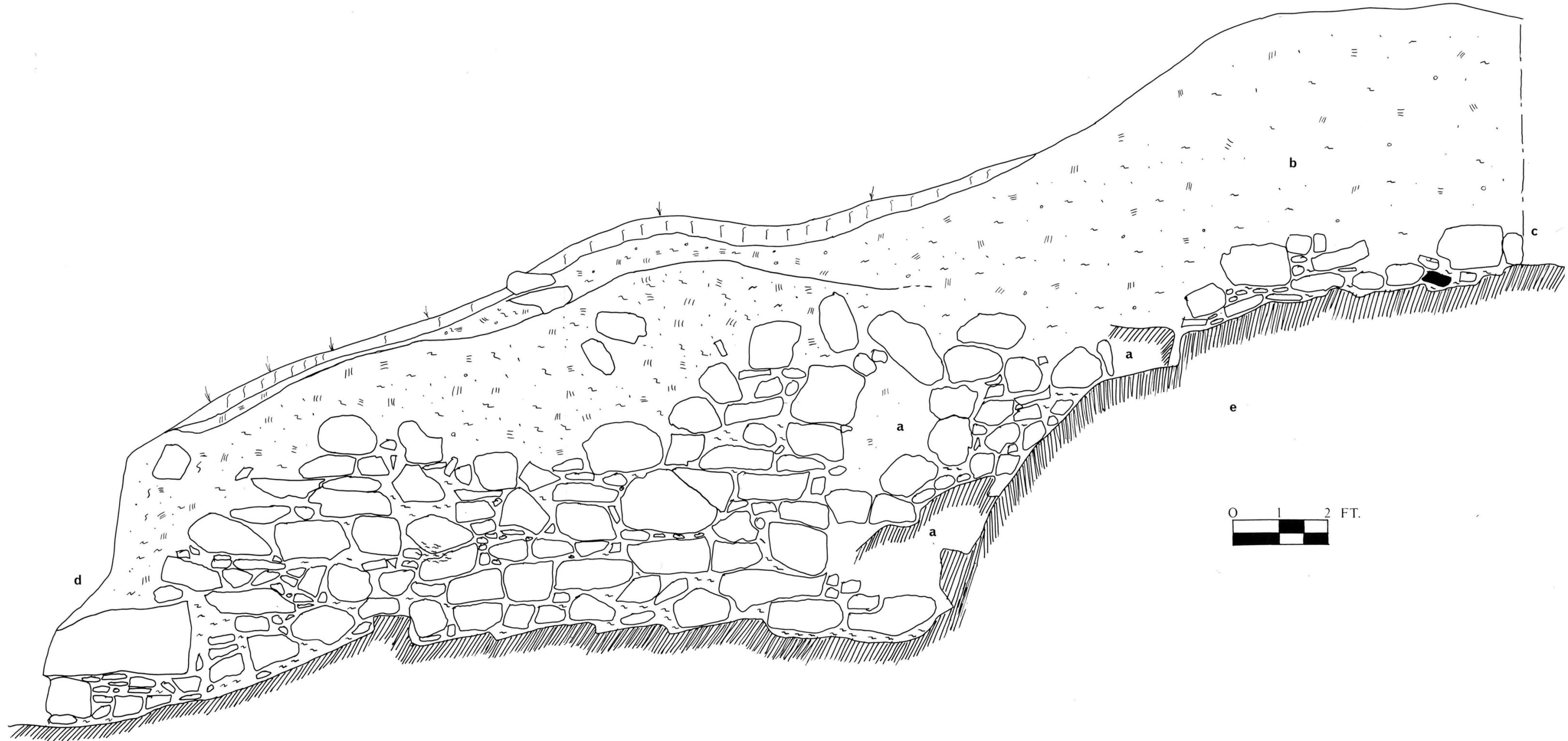


Figure 57. Sub-operation 6E. Elevation of the east face of the northeast bastion. Features shown: eroded wall core (a), limestone block in wall (unique case) (b), collapsed salient angle slightly out of original position (c). Scale in ft.

FIGURE 57

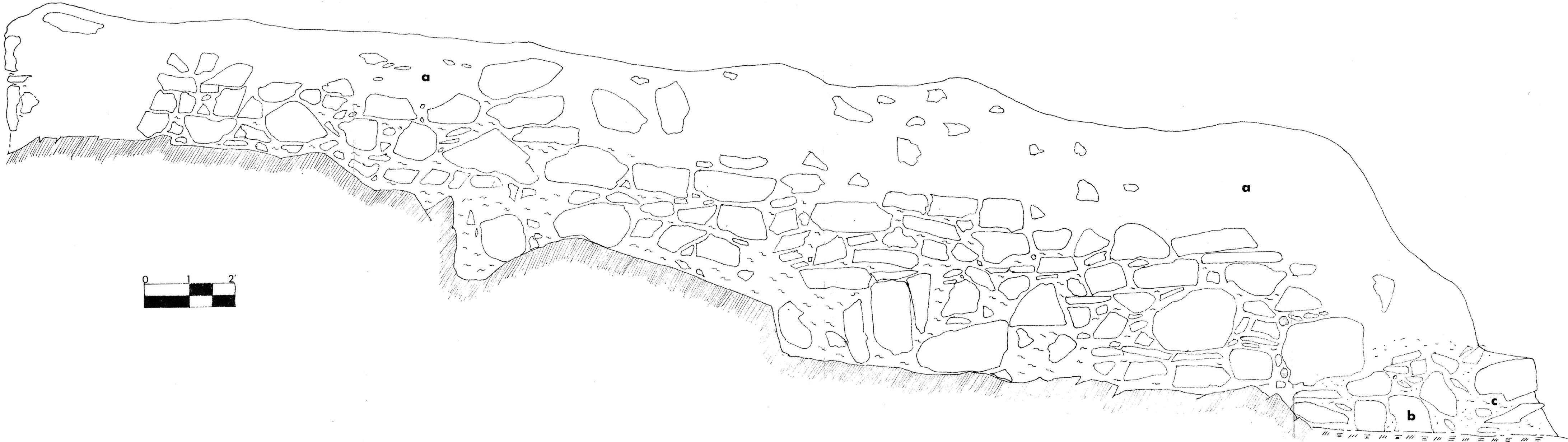


Figure 58. Sub-operation 6E. East profile and elevation of the dry-wall counterscarp. Scale in ft.

FIGURE 58

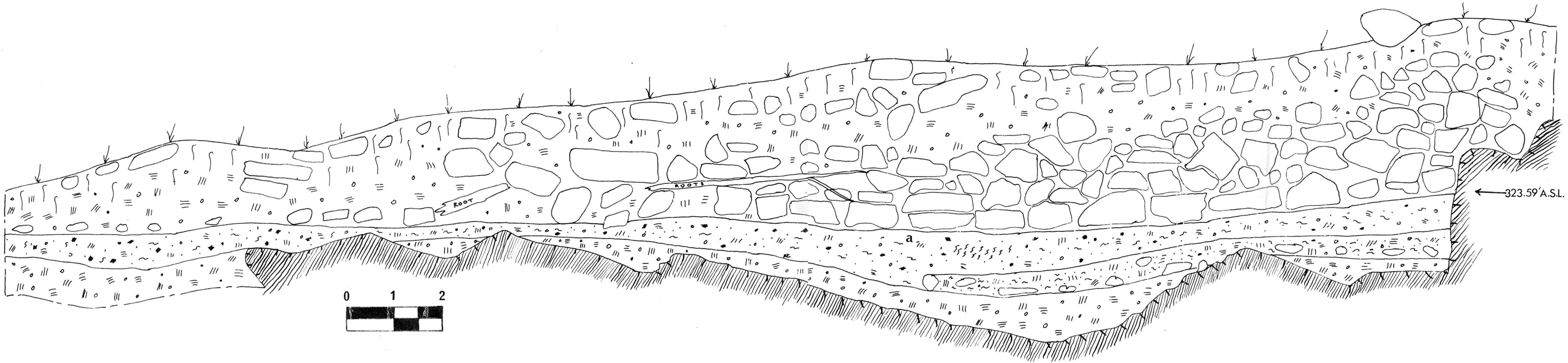


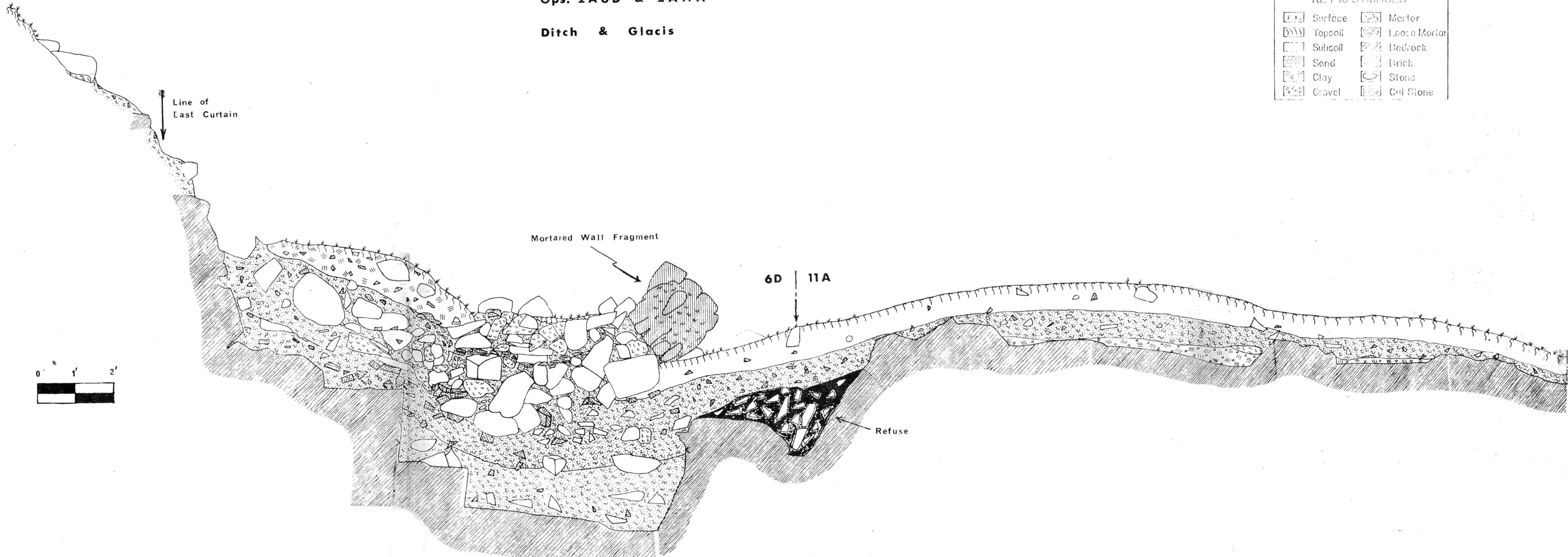
Figure 59. Sub-operation 6D and operation 11.
East-west cross-section showing the east curtain
wall, ditch fill stratigraphy (6D) and the glacis
(11). Stratigraphic elements identified on drawing.
Scale in ft.

FIGURE 59

Ops. 2A6D & 2A11A

Ditch & Glacis

KEY to SYMBOLS	
Surface	Mortar
Topsoil	Loose Mortar
Subsoil	Bedrock
Sand	Brick
Clay	Stone
Gravel	Crushed Stone



Line of Last Curtain

Mortared Wall Fragment

6D

11A

Refuse

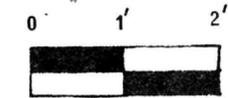
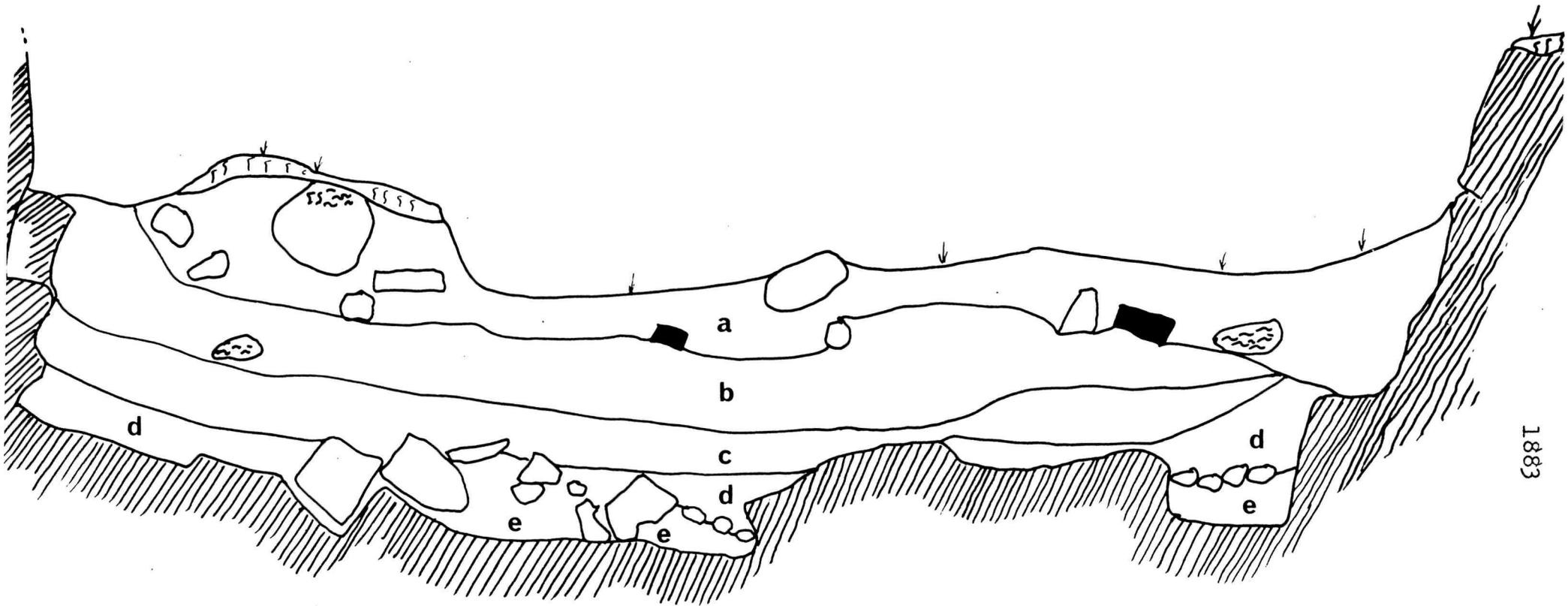


Figure 60. Sub-operation 6D. Profile showing the stratigraphic sequence of strata block A, north profile after excavation (e.g., the face of strata block B). Features shown: 2A6D5 (a), 2A6D6 (b), 2A6D7 (c), 2A6D8 (d), 2A6D9 (e). Scale in ft.



1883

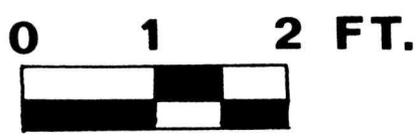
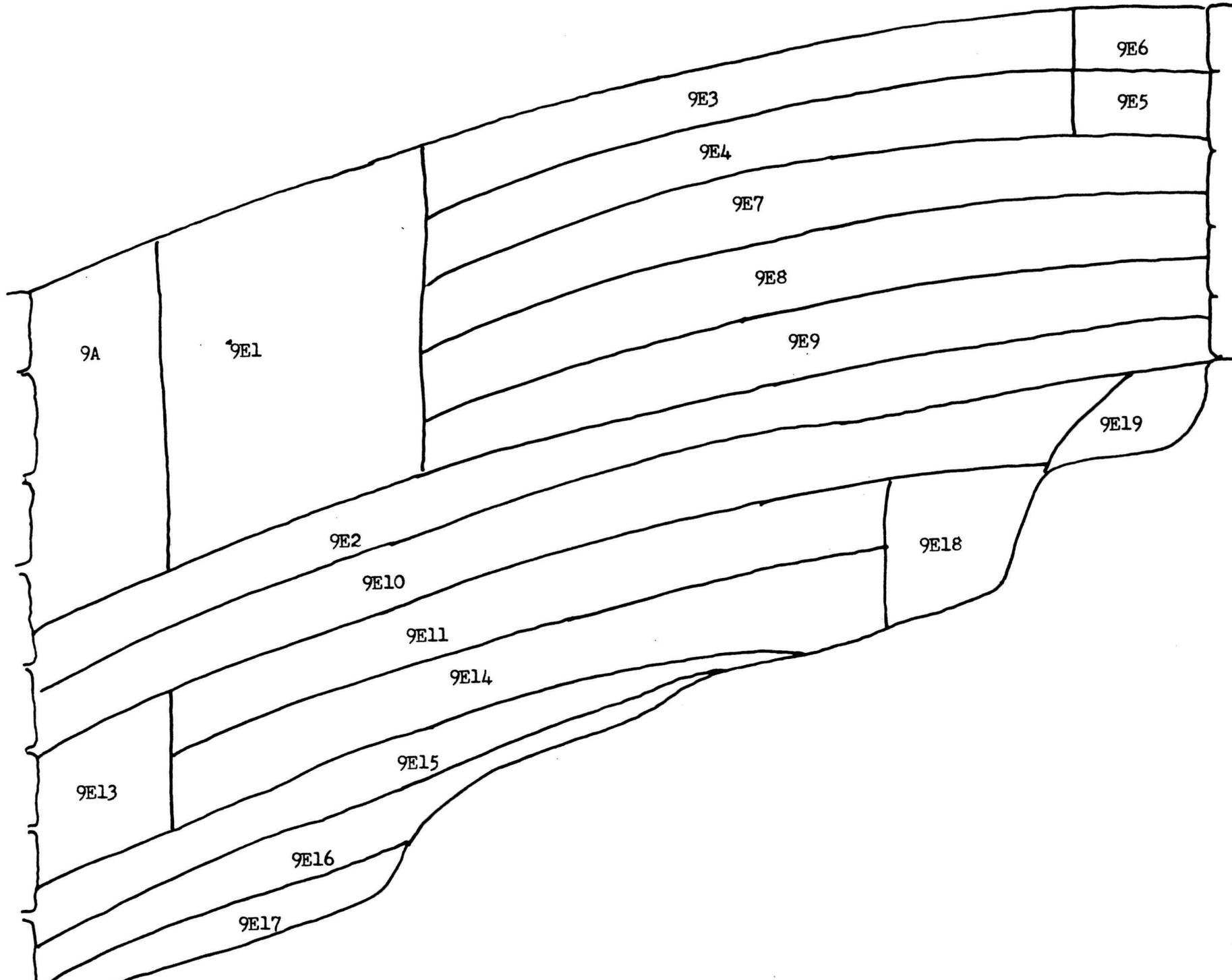


Figure 61. Sub-operation 9E. West profile of sub-operation 9E showing rampart fill stratigraphy. 2A9E2 (a), 2A9E11 (b), 2A9E15 (c); three major layers of midden debris in the fill. Scale in ft.

FIGURE 61



Figure 62. Diagram showing lot sequence in sub-
operation 9E.



9A

9E1

9E2

9E10

9E11

9E14

9E15

9E13

9E16

9E17

9E3

9E4

9E7

9E8

9E9

9E18

9E19

9E6

9E5

Figure 63, Sub-operation 9E. Elevation of the interior side of the east face of the southeast demi-bastion. Shoulder angle on the left, salient angle on the right. Scale in ft.

FIGURE 63

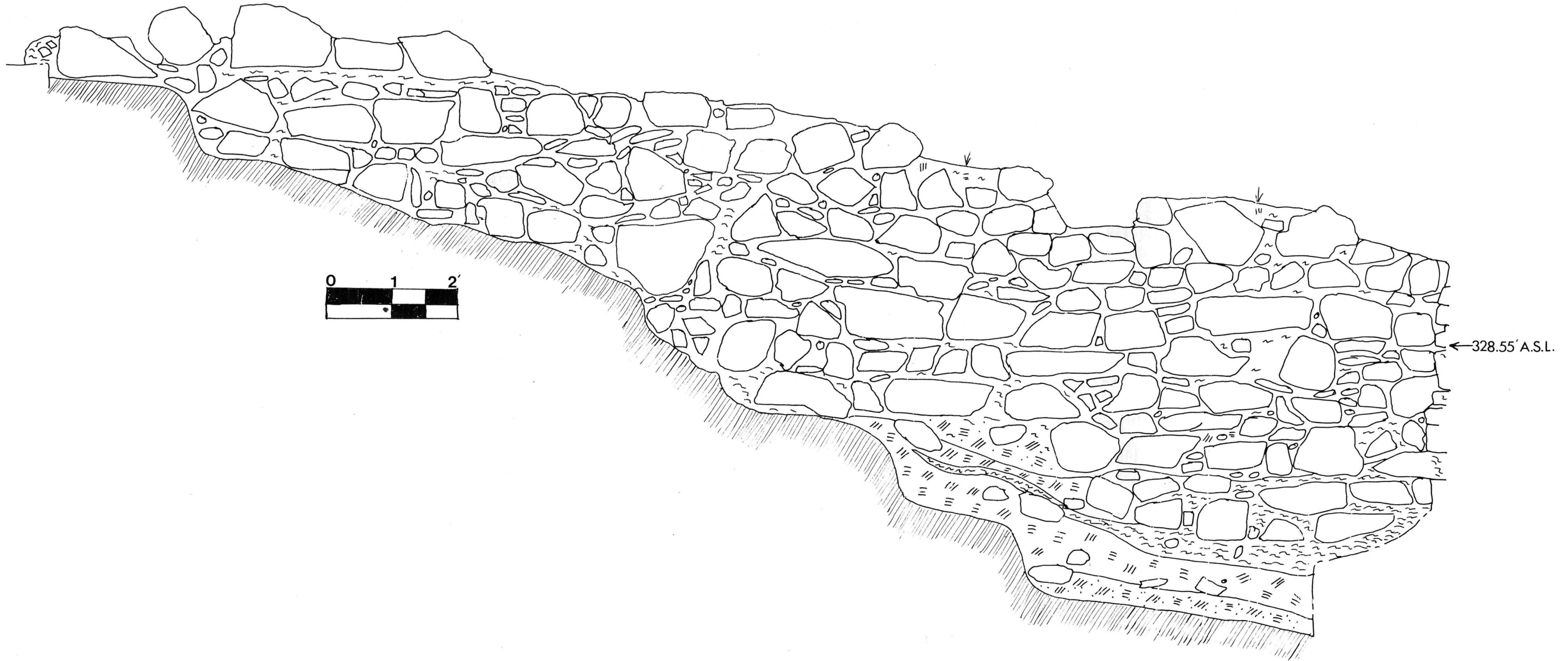
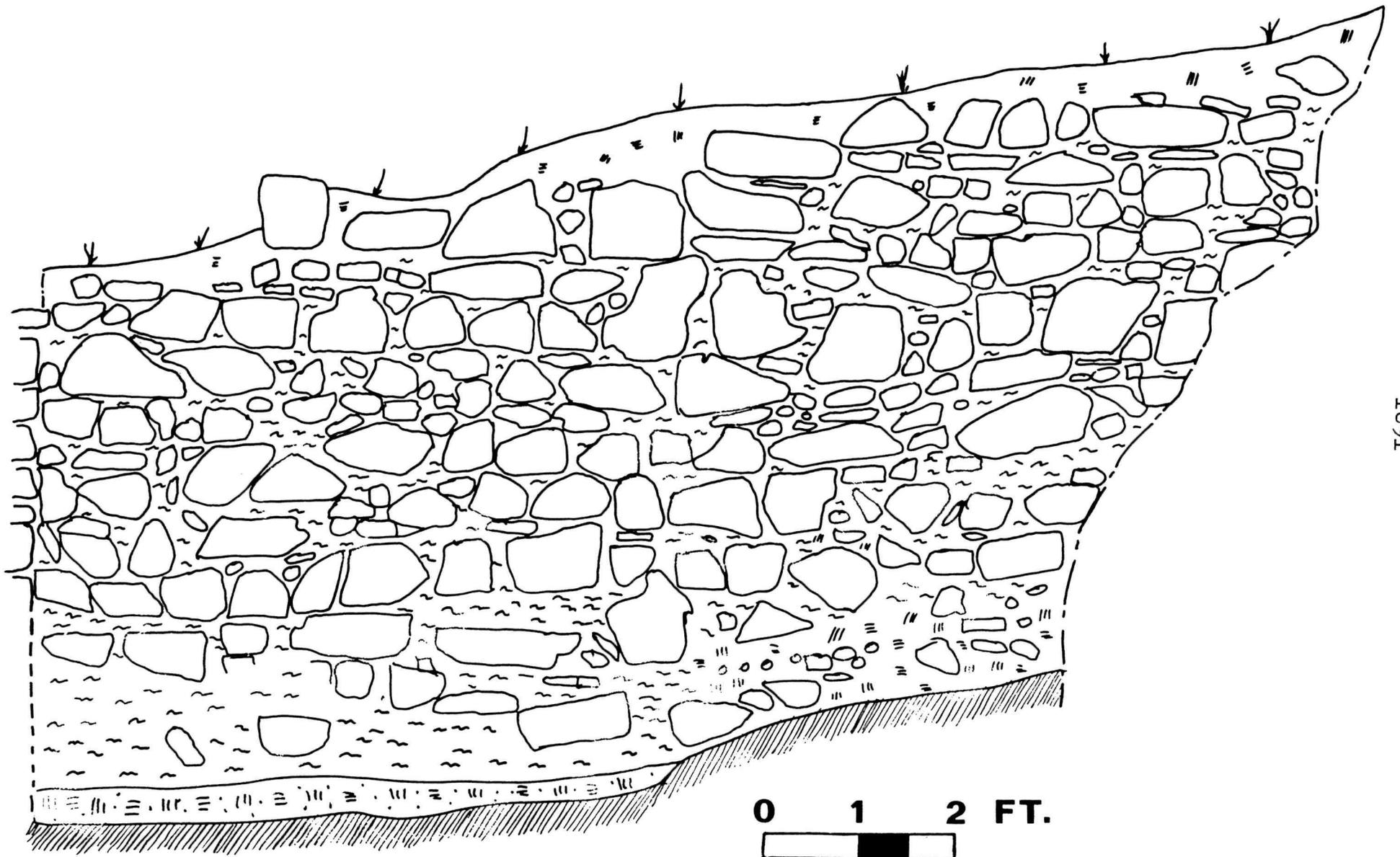


Figure 64. Sub-operation 9E. View to the south showing the elevation of the interior side of the south curtain wall at the interior corner of the southeast demi-bastion. Line of the east face wall is on the left; unexcavated rampart fill on the right. Scale in ft.



1891

Figure 65. Sub-operation 9E. Plan showing the English stairs in sub-operation 9E. Features shown: mortar path, lowest step (a), stones in situ, 9E5 step (b), stones in situ 9E6 step (c), rock rubble and mortar traces, possible revetment (d), interior of operation 7 (e), masonry wall of operation 7(f). Scale in ft.

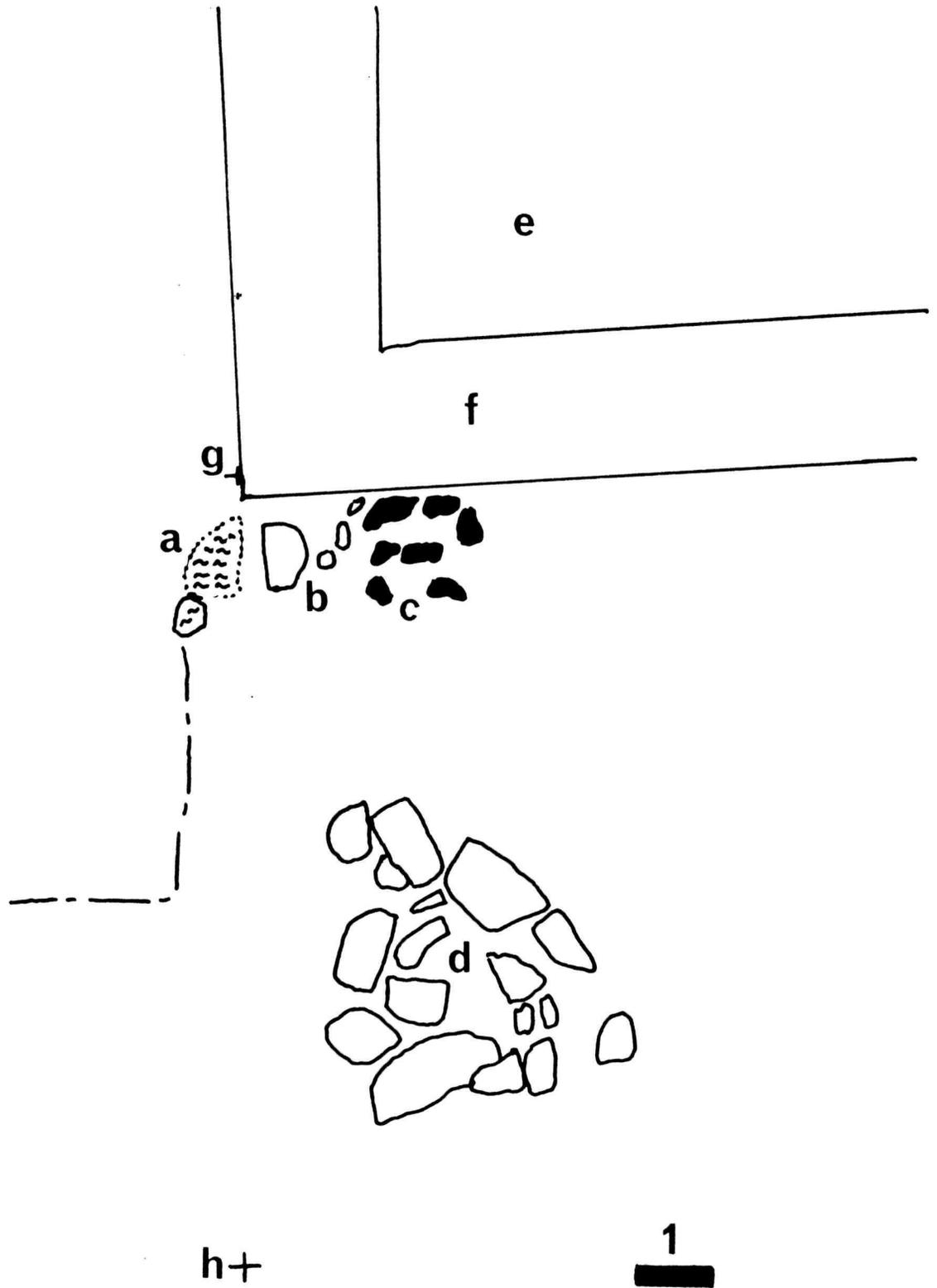


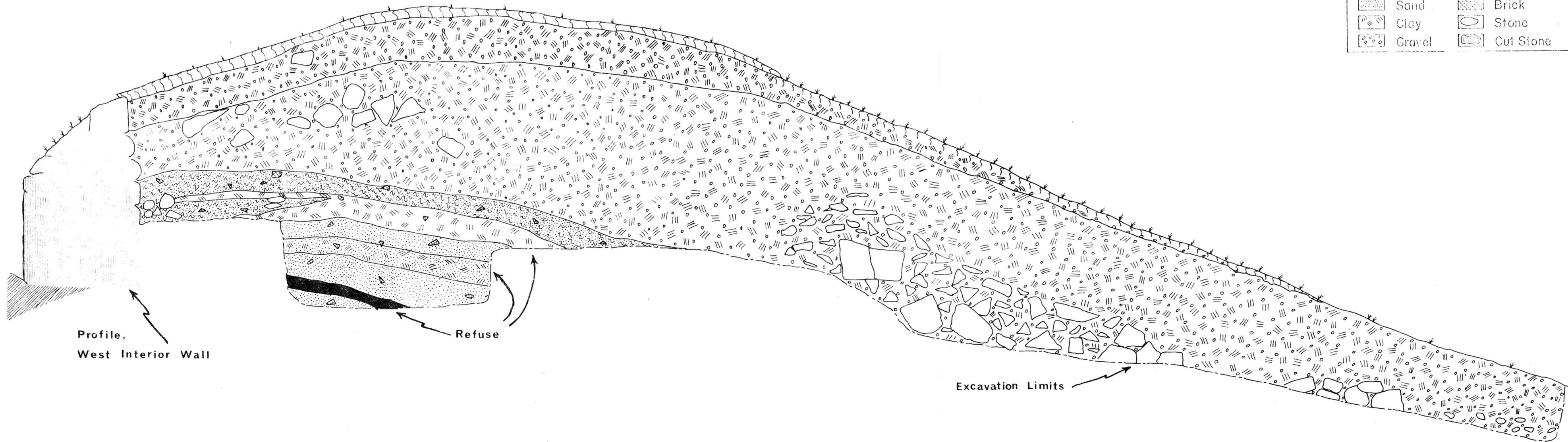
Figure 66. Sub-operation 9D. Looking south at the profile of the trench showing stratified deposits in the fill of the west gun platform. Scale in ft.

FIGURE 66



Op. 2A9D
S Profile, West Gun Platform

KEY to SYMBOLS			
	Surface		Mortar
	Topsoil		Loose Mortar
	Subsoil		Bedrock
	Sand		Brick
	Clay		Stone
	Gravel		Cut Stone



Profile,
West Interior Wall

Refuse

Excavation Limits

Figure 67. Sub-operation 9F, 9G. Looking toward the west at profile of rampart fill deposits.

Features shown: the interior corner of the west curtain wall at the re-entrant angle of the southwest demi-bastion (a), red brown fill (b), angular rubble (c), dark grey rubble (d), dark purple clay with little rubble (e), black clay and refuse (f), clay (g), red brown clay over bedrock (h). Scale in ft.

FIGURE 67

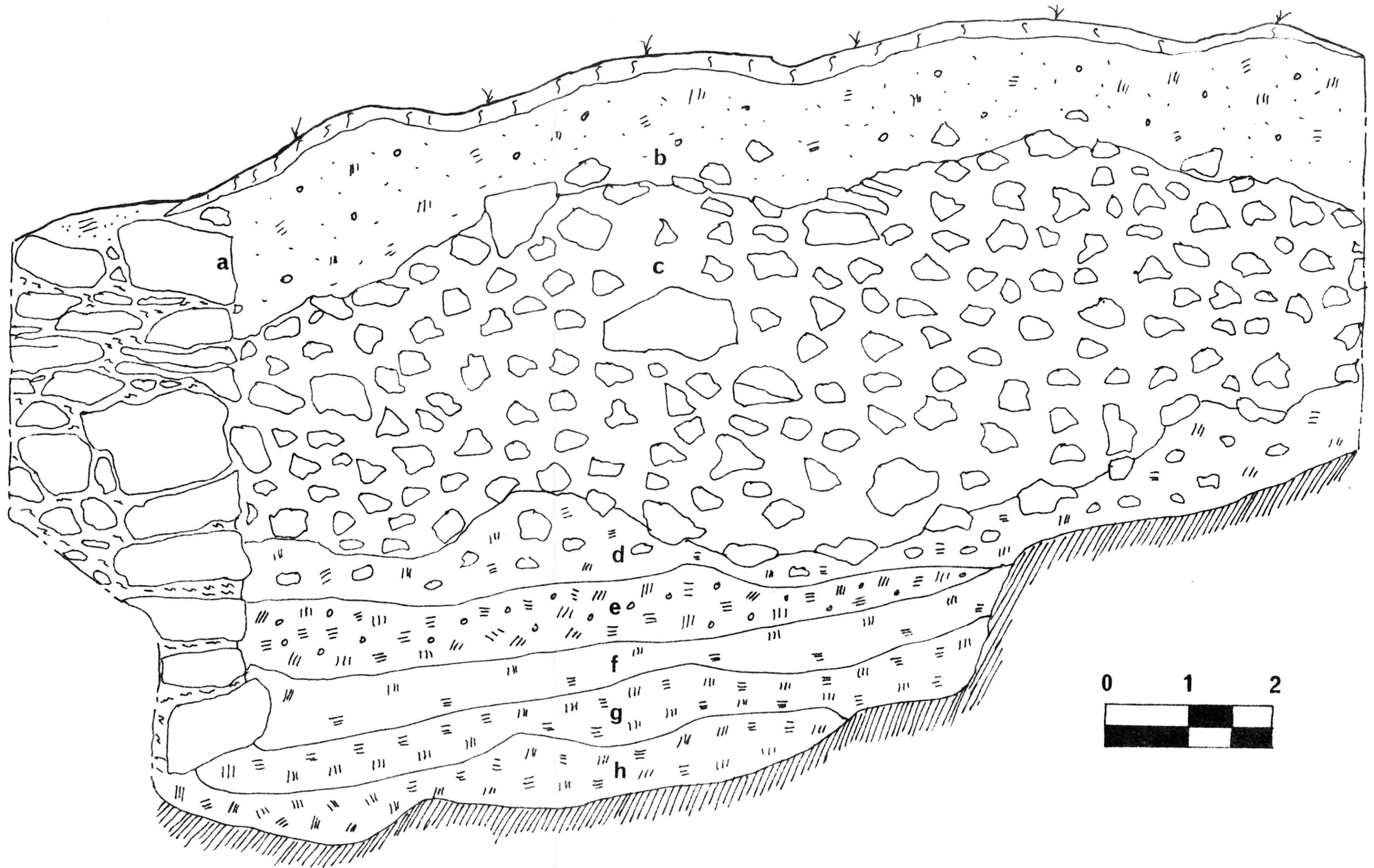


Figure 68. Sub-operation 9F and 9G. Looking east at an elevation of the exterior side of the west interior revetment wall and at rampart fill of the north gun platform shown in section on the left. Scale in ft.

FIGURE 68

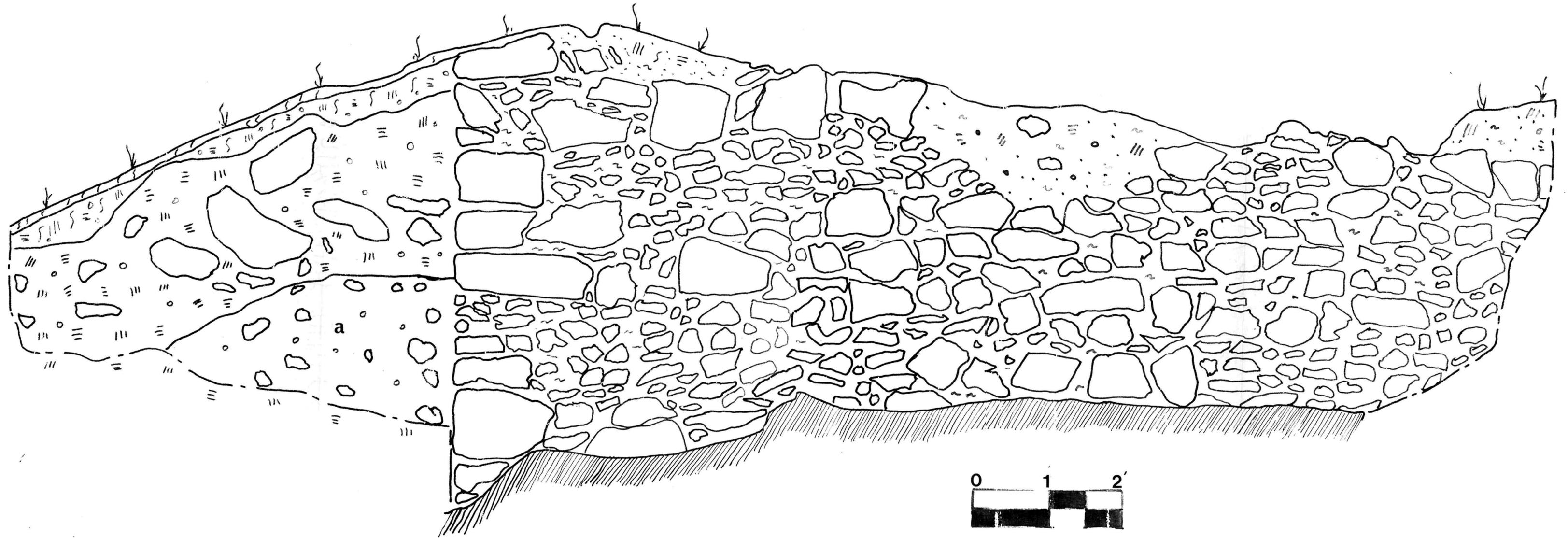


Figure 69. Sub-operation 9H. East profile showing stratigraphic deposits in rampart fill. Features shown: north curtain wall in cross-section (a), turf layer (b), 9H2 clay (c), 9H7 (d), 9H8 (e), 9H9 (f), 9H10 (g), 9H11 (h), 9H12 (i), 9H13 (j), 9H14 (k). Scale in ft.

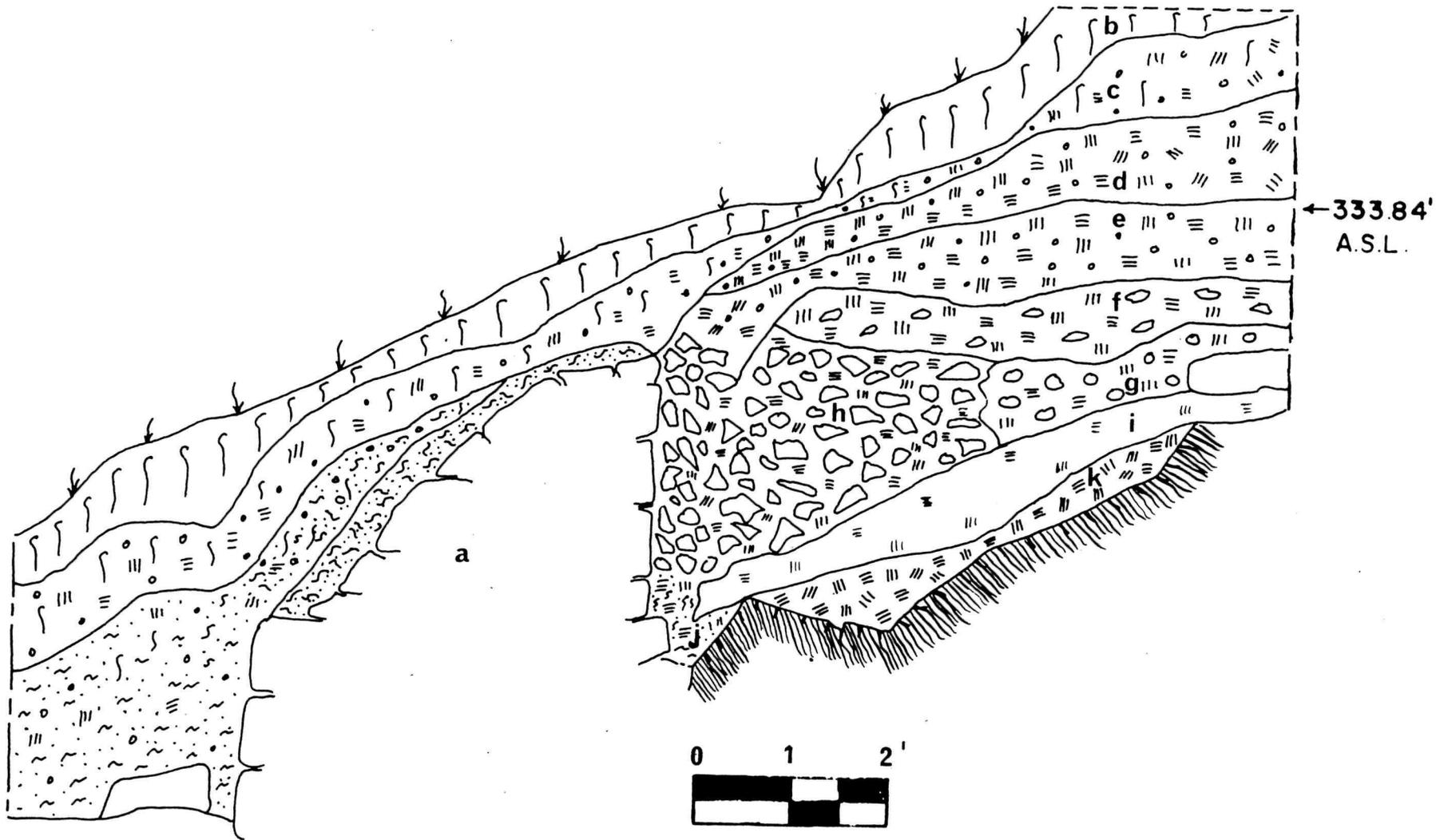


Figure 70. Sub-operation 9J. West trench profile showing stratified deposits in the north rampart fill. Features shown: corner of north interior revetment wall (a), 9J1 (b), 9J2 (c), 9J5 (d), 9J3 (e), 9J6 (f), 9J4 (g), inside line of the north curtain wall (h). Scale in ft.

FIGURE 70

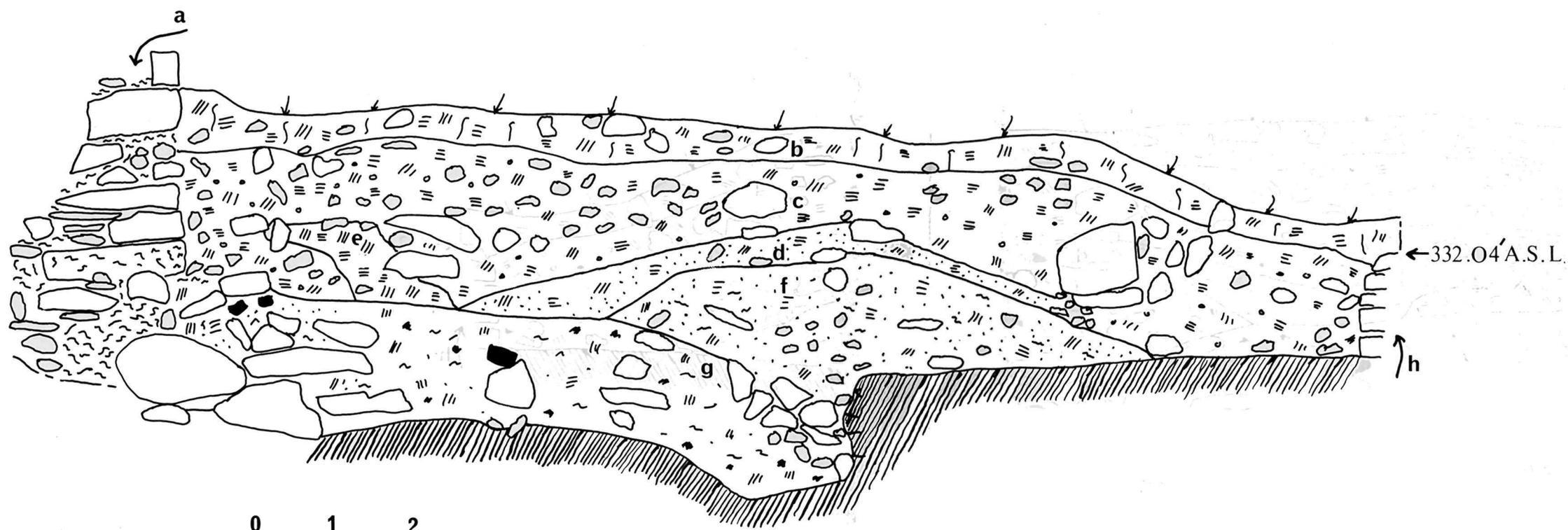


Figure 71. Operation 12. South trench wall profile showing stratigraphy. Features shown: area of stone wall visible on the surface (a-a), refuse layer beneath wall (b). Scale in ft.

FIGURE 71

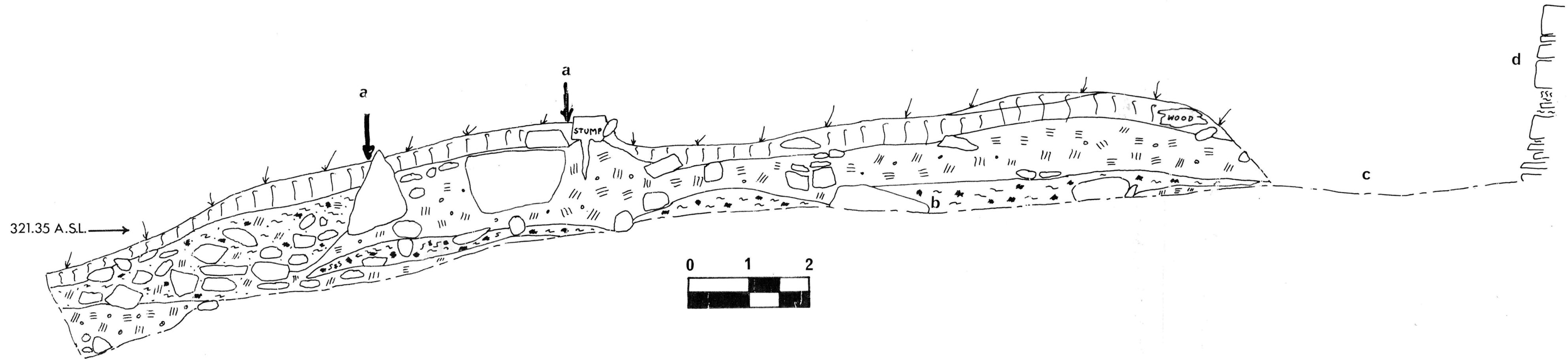
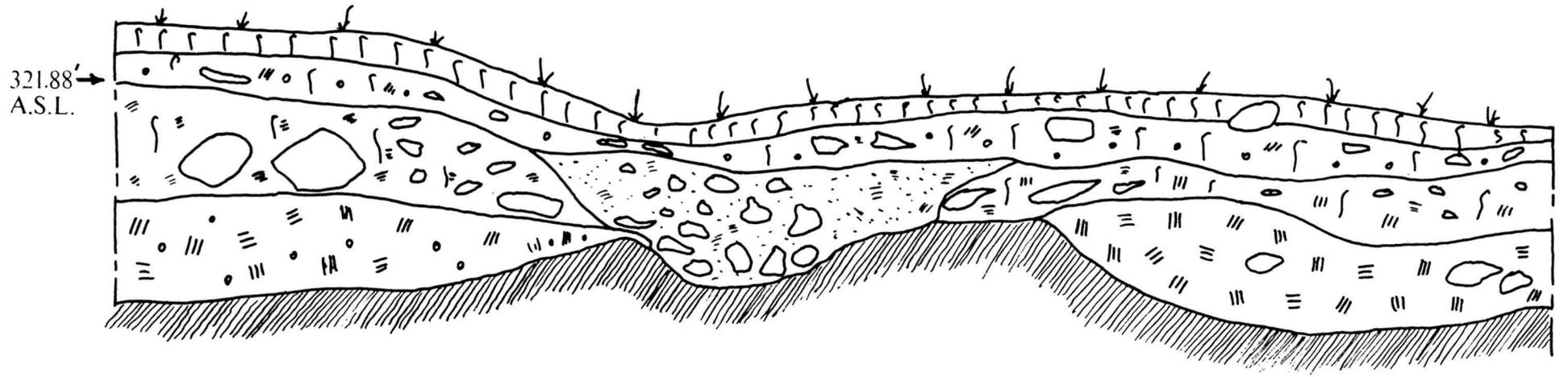
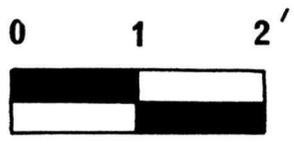


Figure 72. Operation 13. West trench profile.
Scale in ft.



321.88
A.S.L.



1907

Figure 73. Plan of excavations showing features identified as French period structures. Scale in ft.

FIGURE 73

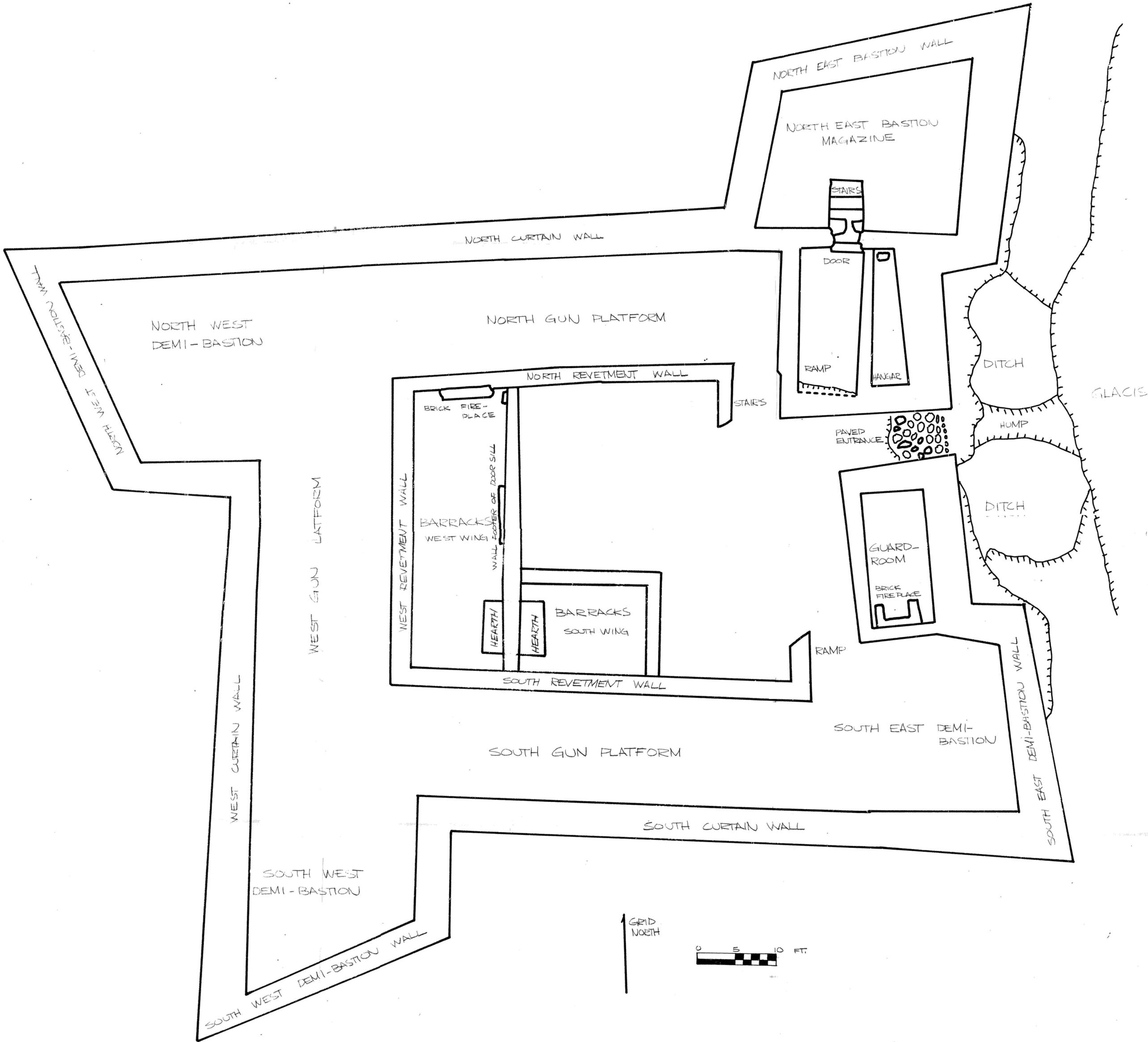
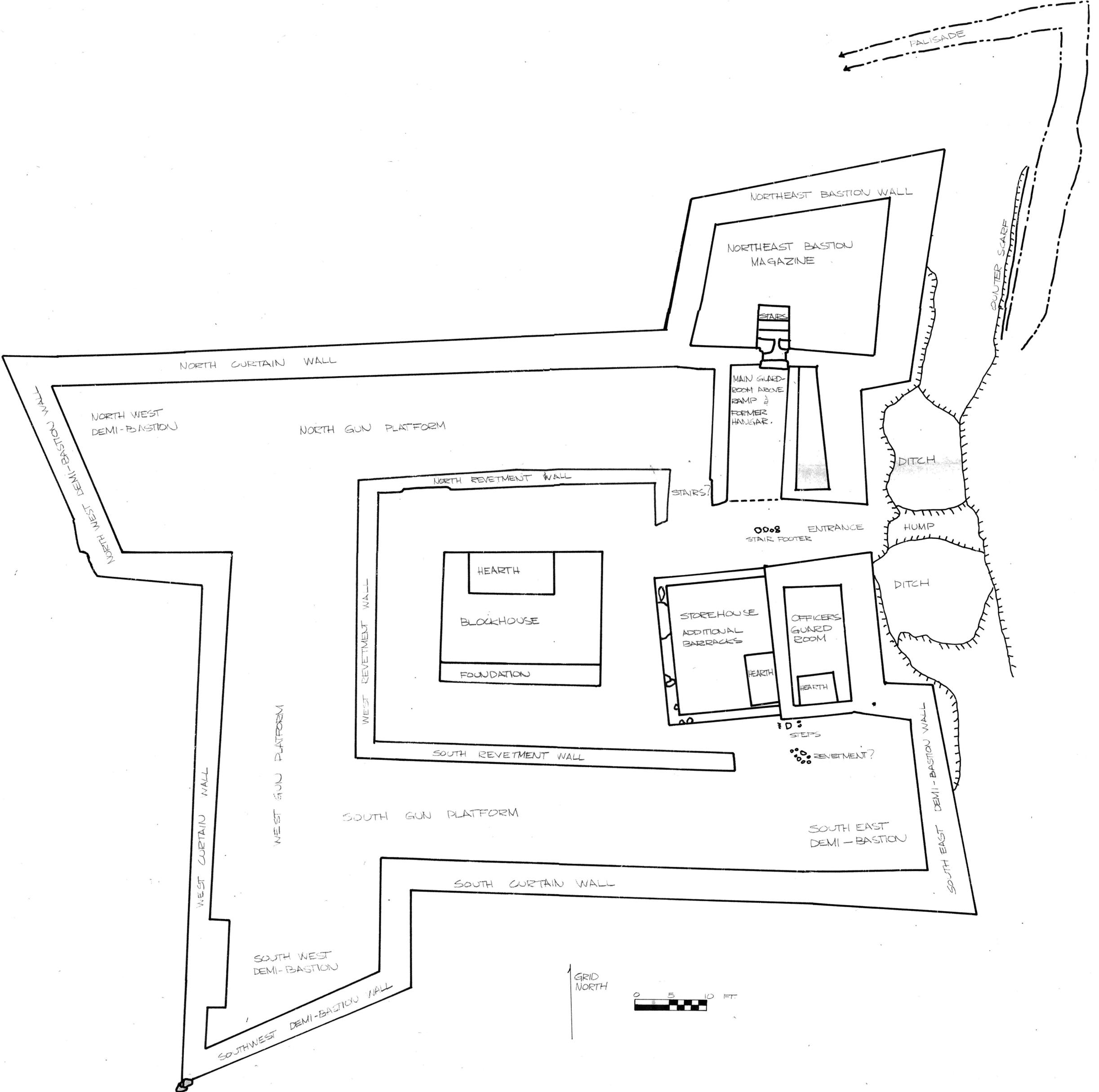


Figure 74. Plan of the excavations showing
features identified as English period structures.
Scale in ft.

FIGURE 74



PALISADE

NORTHEAST BASTION WALL

NORTHEAST BASTION MAGAZINE

STAIRS

MAIN GUARD ROOM ABOVE RAMP & FORMER HANGAR.

COUNTER SCARP

NORTH CURTAIN WALL

NORTH WEST DEMI-BASTION

NORTH GUN PLATFORM

NORTH REVETMENT WALL

STAIRS?

DITCH

ENTRANCE STAIR FOOTER

HUMP

DITCH

HEARTH

BLOCKHOUSE

FOUNDATION

STOREHOUSE ADDITIONAL BARRACKS

OFFICERS GUARD ROOM

HEARTH

HEARTH

STEPS

REVETMENT?

WEST REVETMENT WALL

SOUTH REVETMENT WALL

WEST GUN PLATFORM

SOUTH GUN PLATFORM

SOUTH EAST DEMI-BASTION

SOUTH EAST DEMI-BASTION WALL

SOUTH CURTAIN WALL

WEST CURTAIN WALL

SOUTH WEST DEMI-BASTION

SOUTHWEST DEMI-BASTION WALL

GRID NORTH

0 5 10 FT

