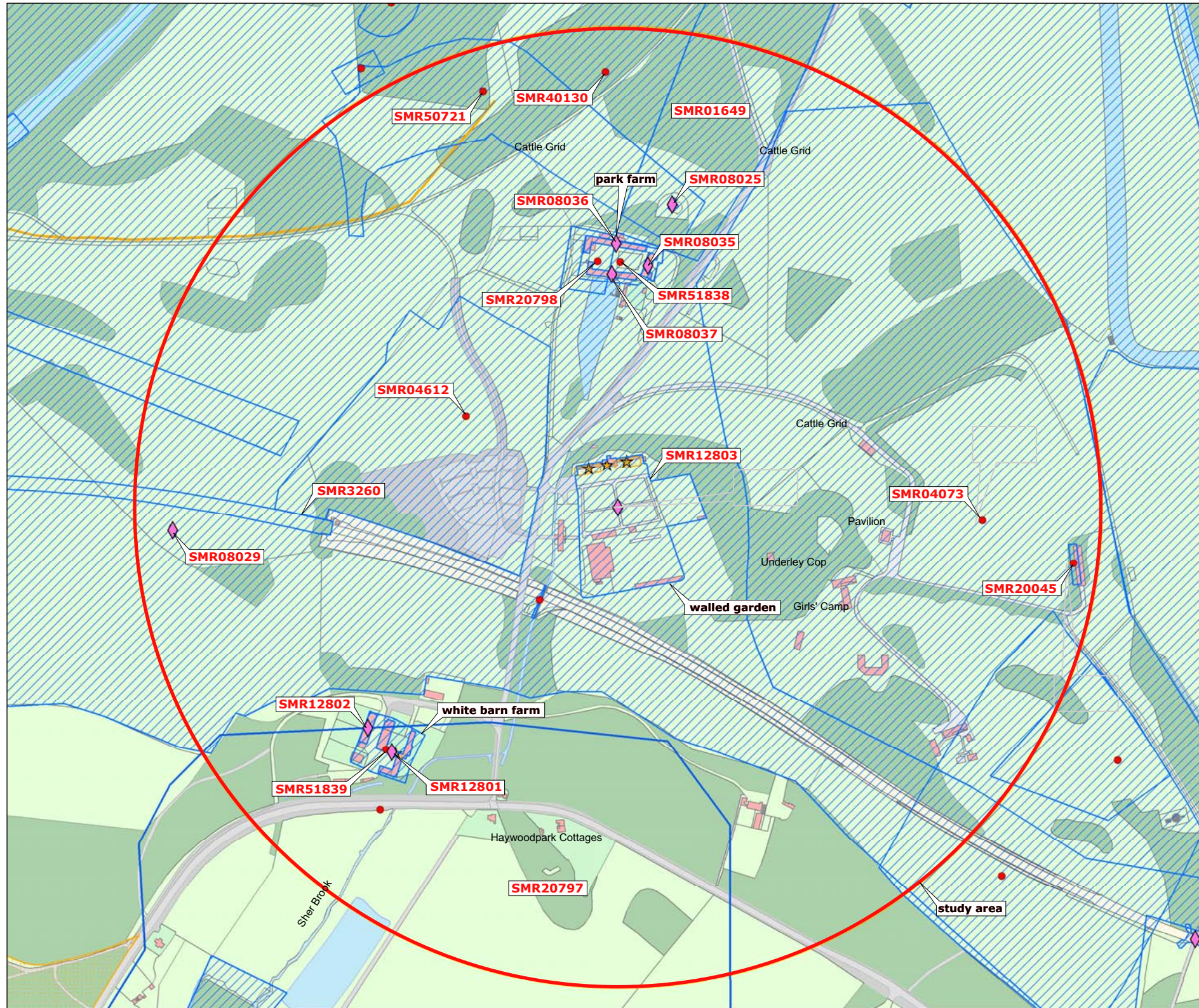


birmingham archaeology

The Walled Garden,
Shugborough Estate,
Milford, Staffordshire
Archaeological Investigations
2009
Volume II: Figures and Plates



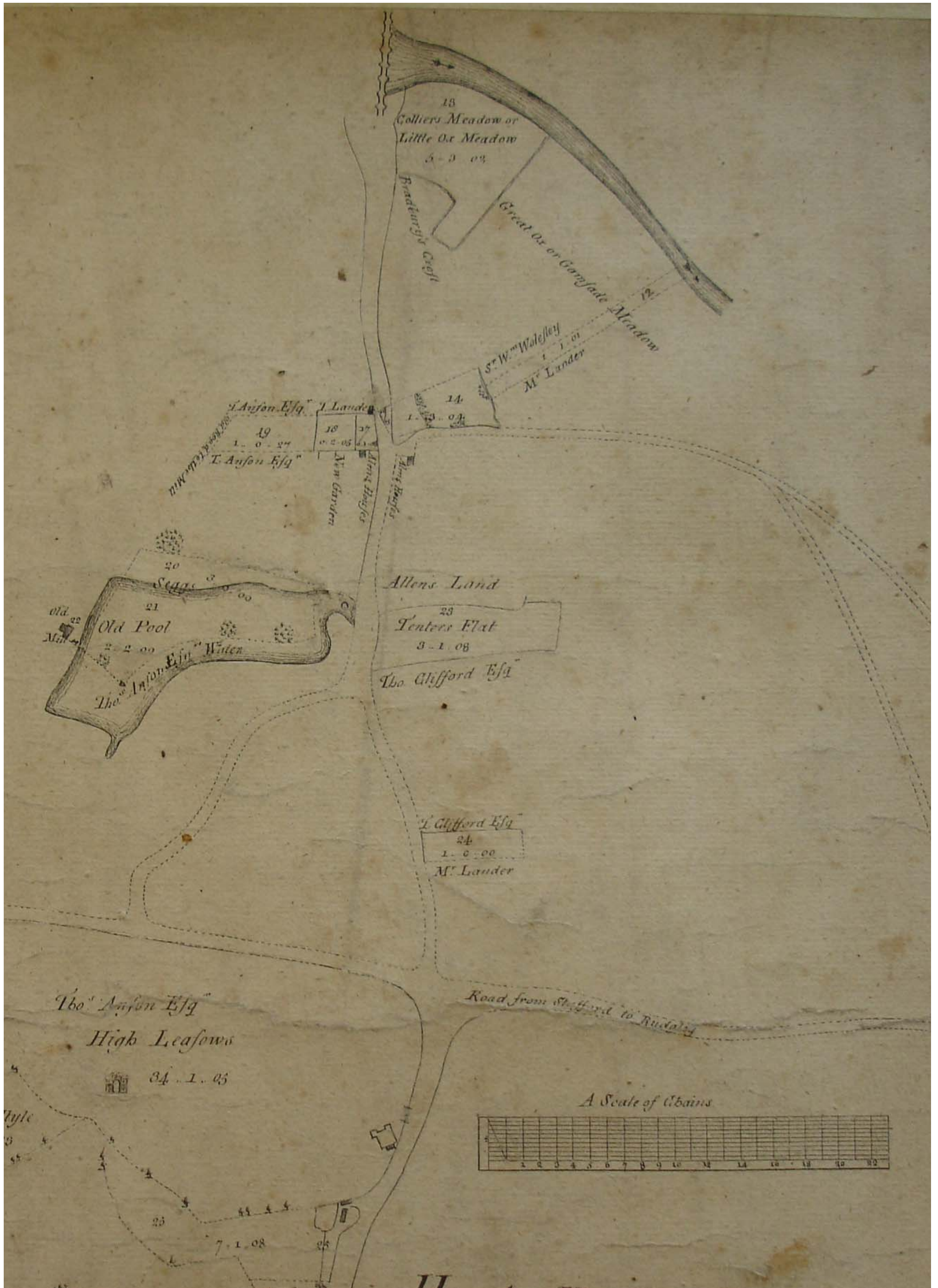




HER Ref. No.	Type*	Site name/description	NGR	Period/Date
01649	Doc	Deserted settlement	SJ 98988 21704	Post-Med.
03260	LB II	Railway tunnel	SJ 9847 2161	Victorian (1847)
04073	Doc	Site of army camp/military hospital	SJ 99475 212630	C20th
04074	CM	Field system	SJ 99833 21544	N/K
04075	CM	Double ring ditch	SJ 99601 21370	Late Neo / early BA
04076	CM	Linear feature / trackway	SJ 99560 21279	N/K
04612	CM	Ring ditch, enclosure, pit alignment	SJ 98911 21688	Late Neo / early BA
20045	HB	Military building, army camp	SJ 99595 21554	C20th
20792	EW	Trackway	SJ 98547 21775	N/K
20797	Doc	Deer Park	SJ 98702 20718	Late Med
20798	Doc	Watermill	SJ 99092 21871	Post. Med.
40130		Shugborough Park	SJ 99260 21898	Post Med.
08035	LB II*	Farmhouse, Shugborough Park Fm.	SJ 9915 2186	1803-6
08036	LB II	N Range, Shugborough Park Fm.	SJ 9912 2188	1803-6
08037	LB II*	S Range, Shugborough Park Fm.	SJ 9911 2186	1803-6
12803	LB II* / HB	Walled Garden, Shugborough Park	SJ 9914 2159	c.1805
12802	LB II*	Hay Barn/cottages, White Barn Fm.	SJ 9886 2138	c.1806
12801	LB II*	White Barn Farm	SJ 9889 2136	c.1806
08025	LB II*	Tower of the Winds	SJ 9918 2192	C18th
08029	LB I	Triumphal Arch	SJ 9866 2158	C18th
50720	HB	Sherbrook Aqueduct	SJ 99041 21515	Victorian (1847)
50721	Doc	Mill Pond, Lower Mill	SJ 99015 21995	Post Med.
51302	HB	Milepost adjoining White Barn Farm	SJ 998 212	Georgian-Victorian
51838	HB	Park Farm	SJ 9912 2187	1803-6
51839	HB	White Barn Farm	SJ 9888 2136	Pre-1771

Entries from Staffordshire County Council SMR

0 500m
Scale 1:5000 @ A3



Staffordshire CRO ref. D615/M/6/43, reproduced with permission



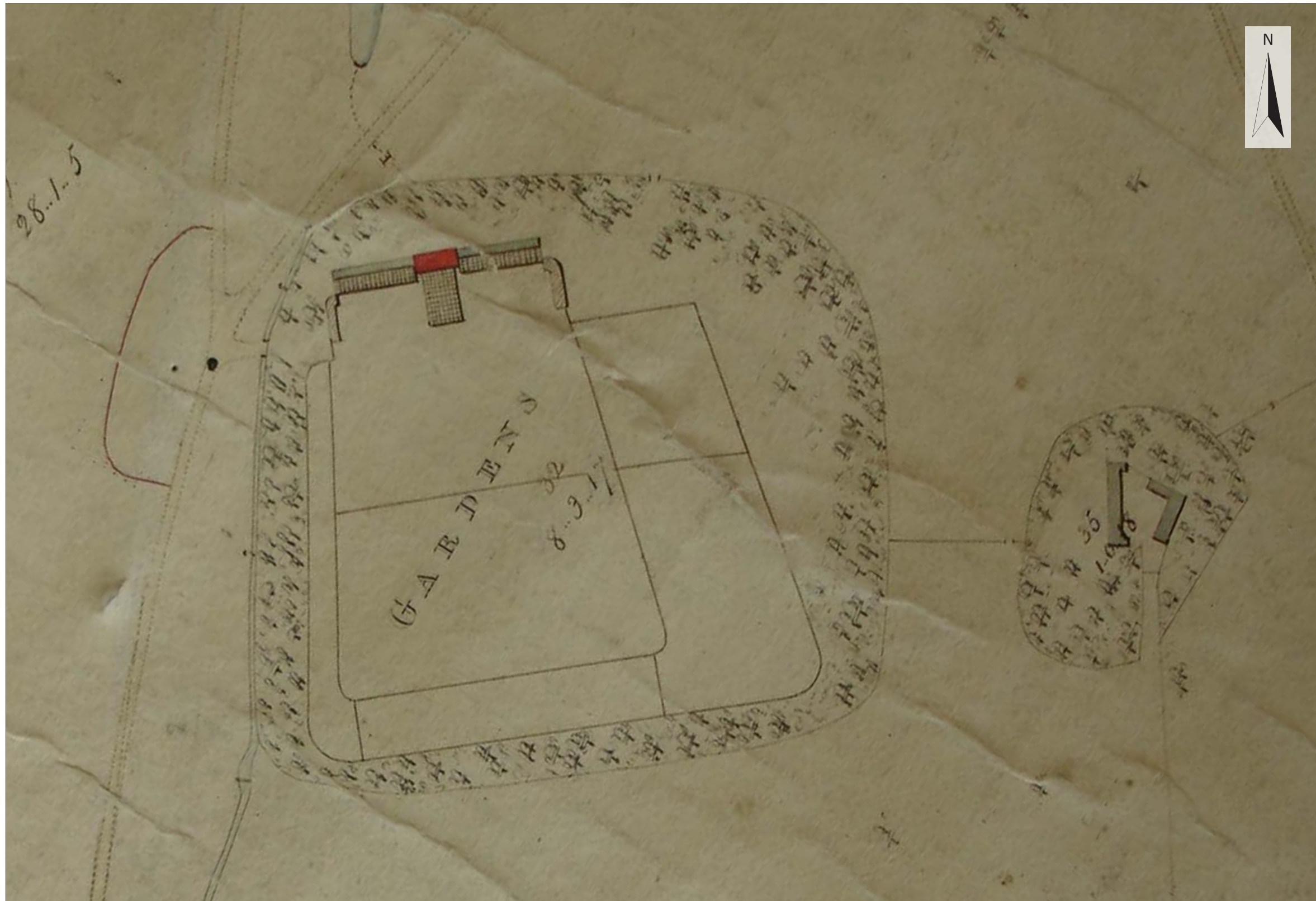
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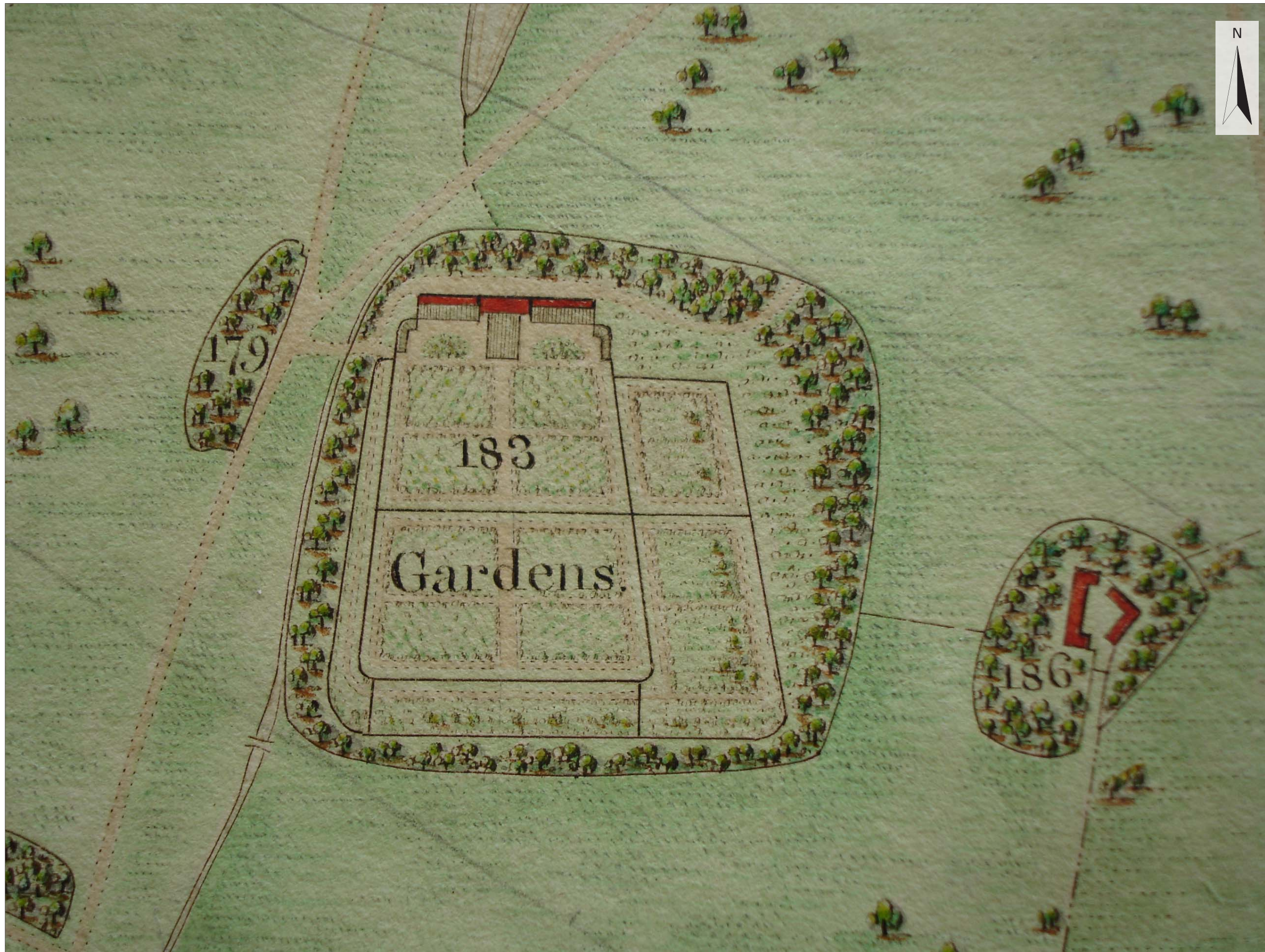
Staffordshire CRO ref. D615/M/6/43, reproduced with permission



Staffordshire CRO Ref. D615/M/6/44, used by permission



Staffordshire CRO Ref. D615/M/6/46, used by permission



Staffordshire CRO Ref. D615/M/6/50, used by permission



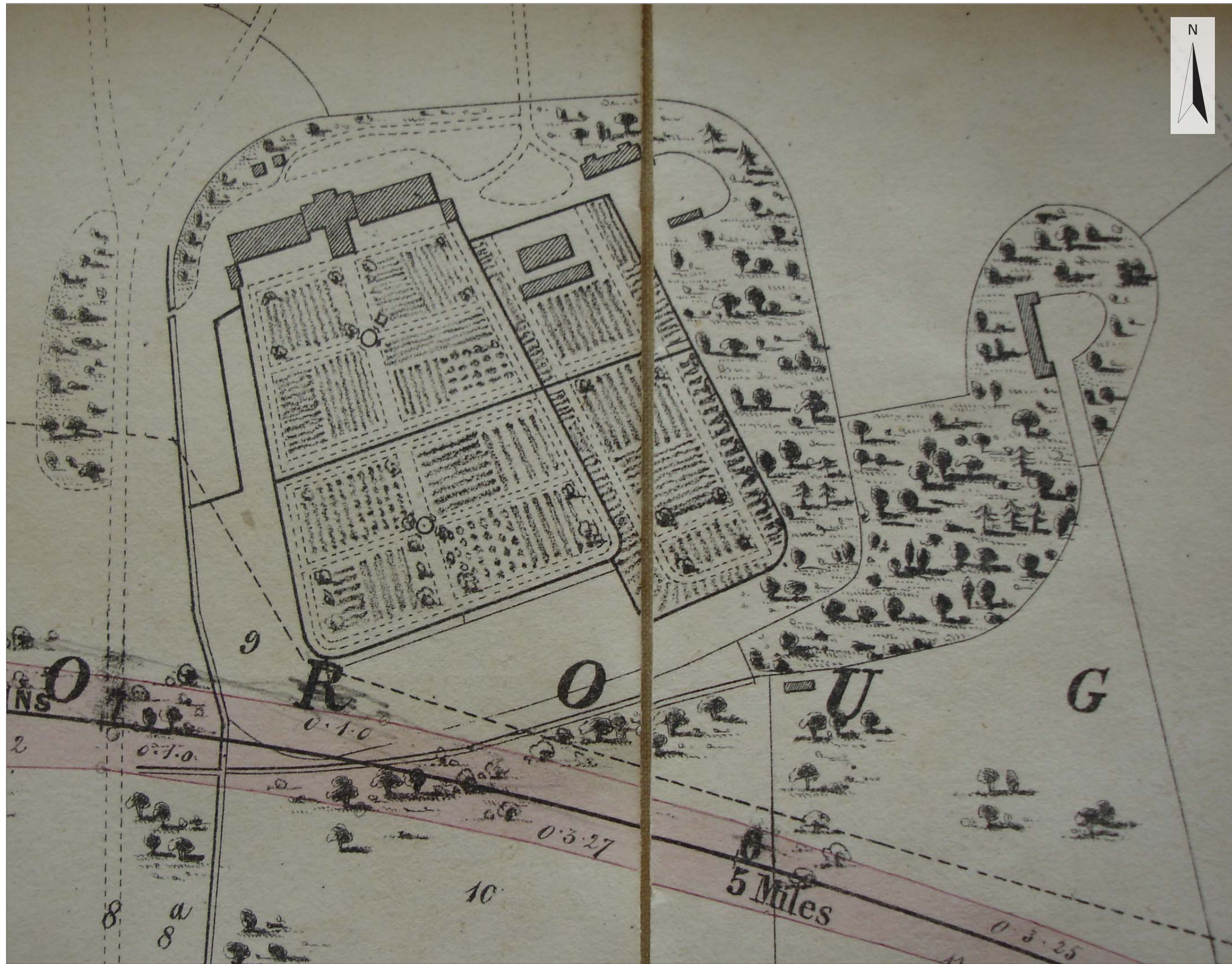
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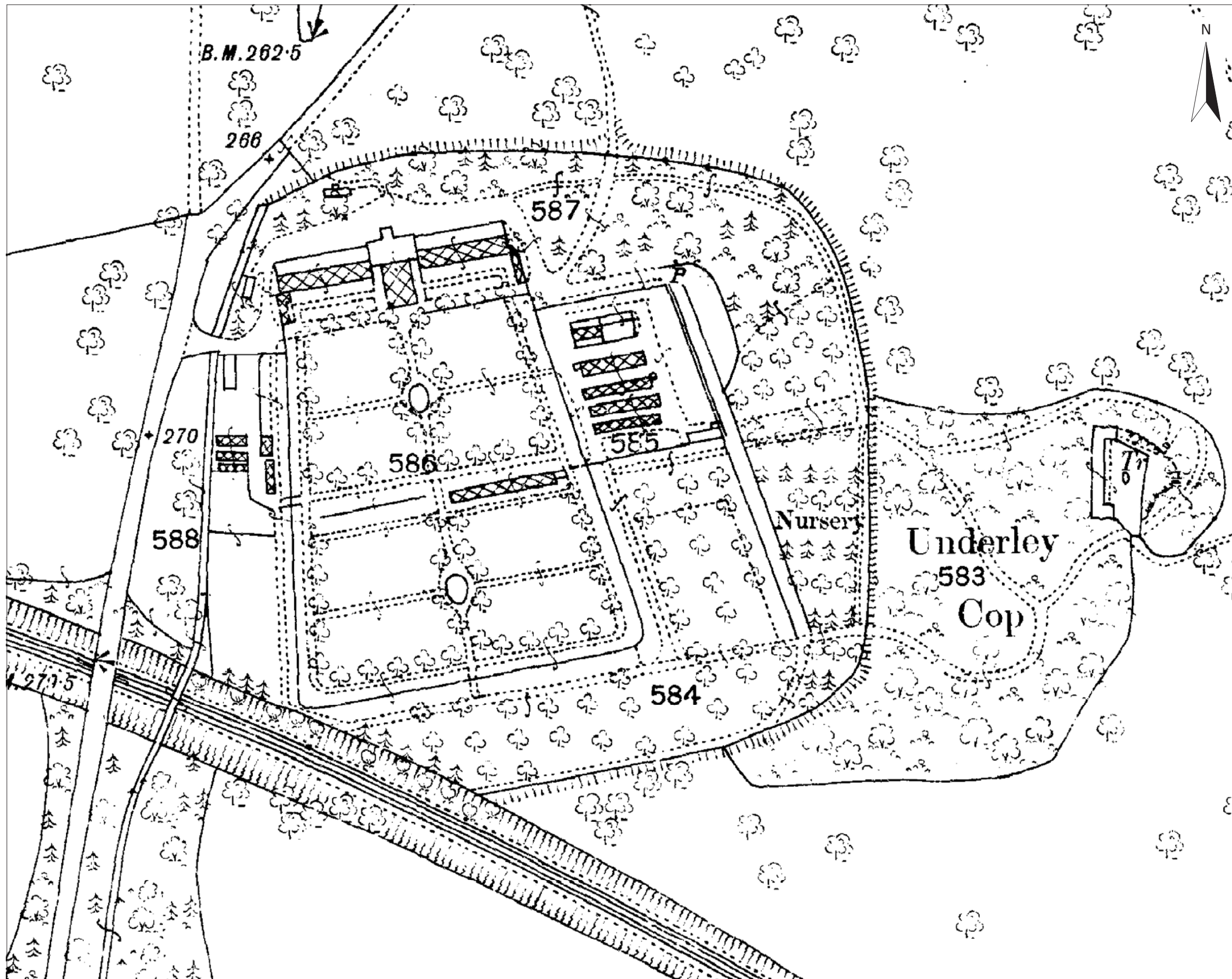
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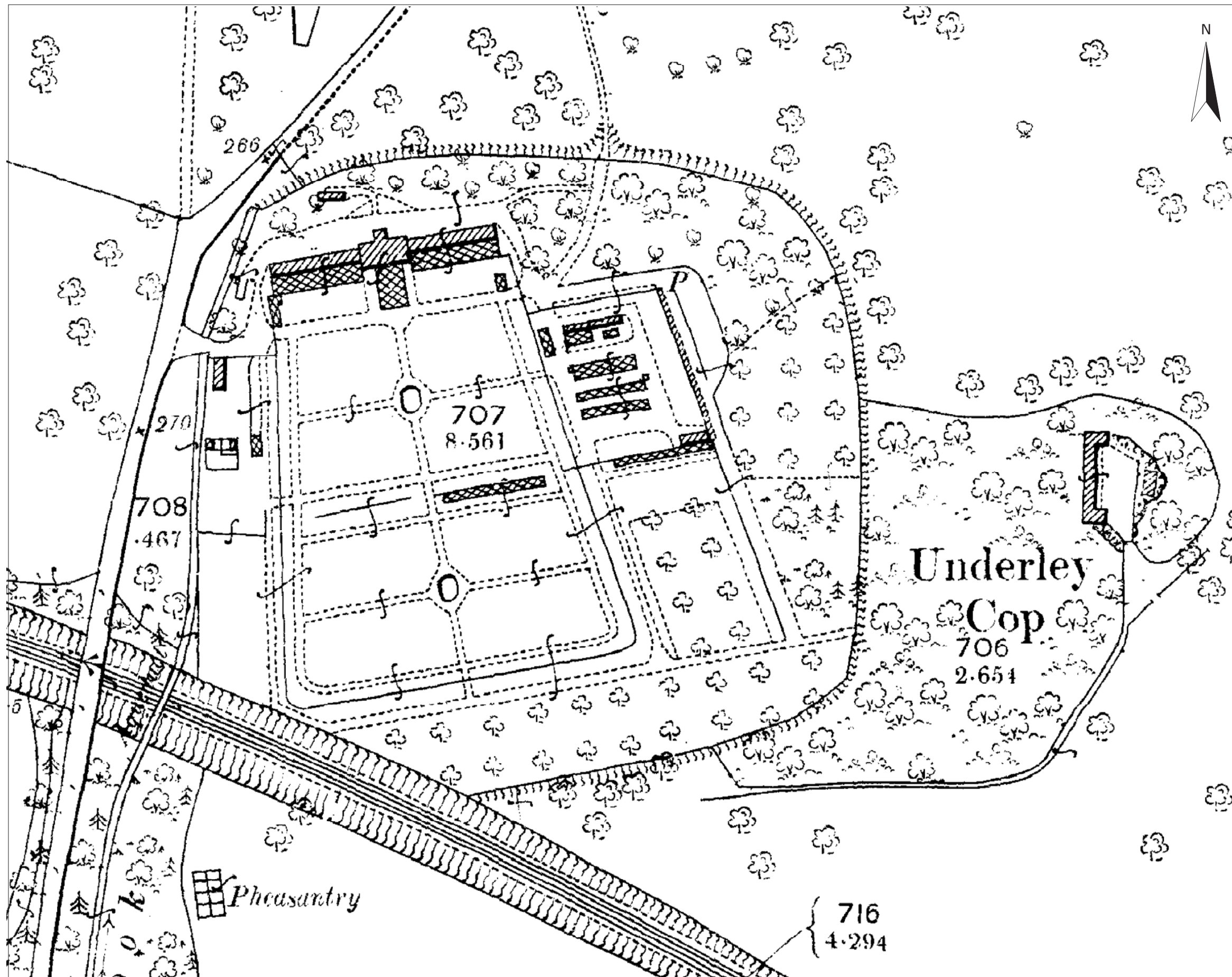


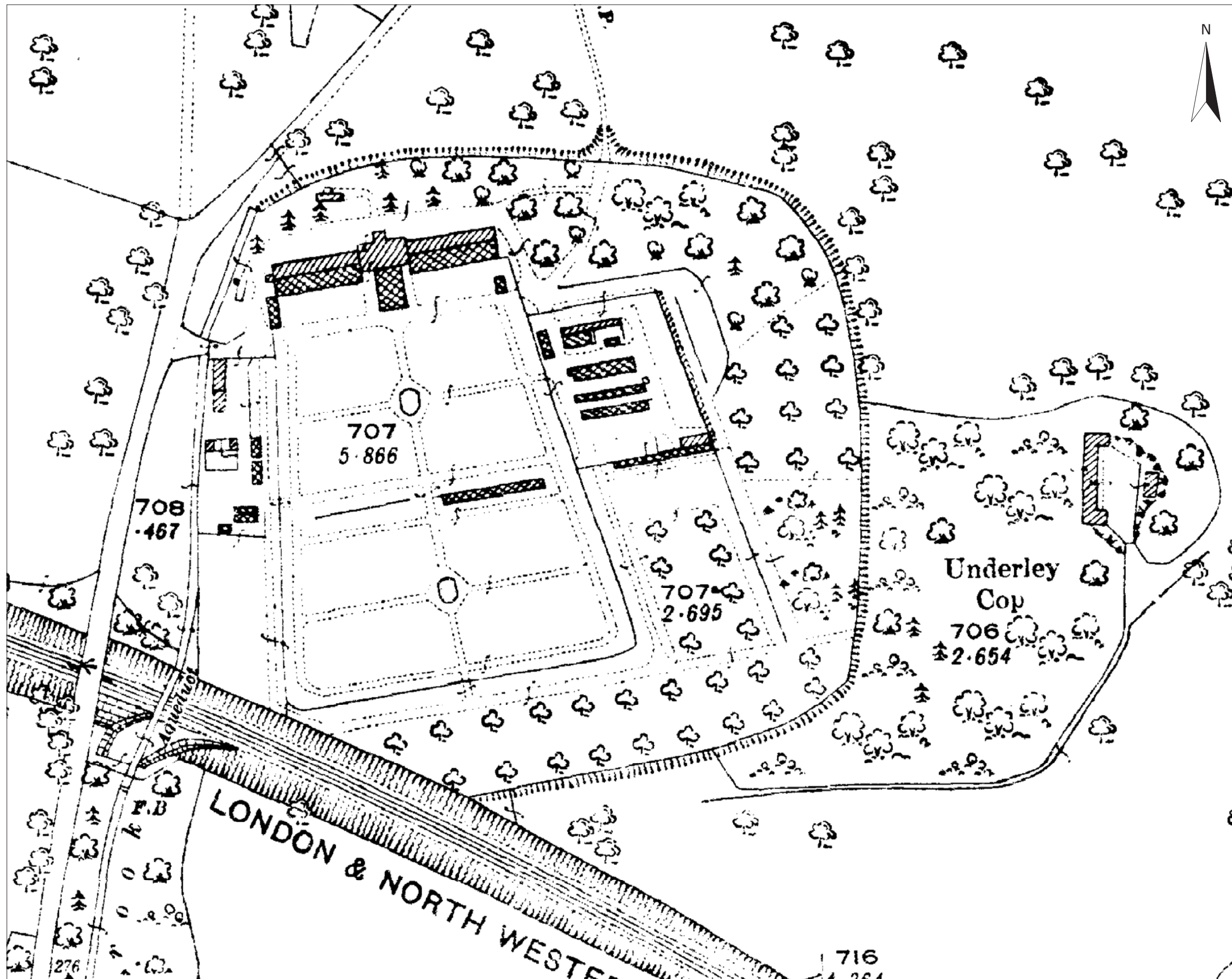
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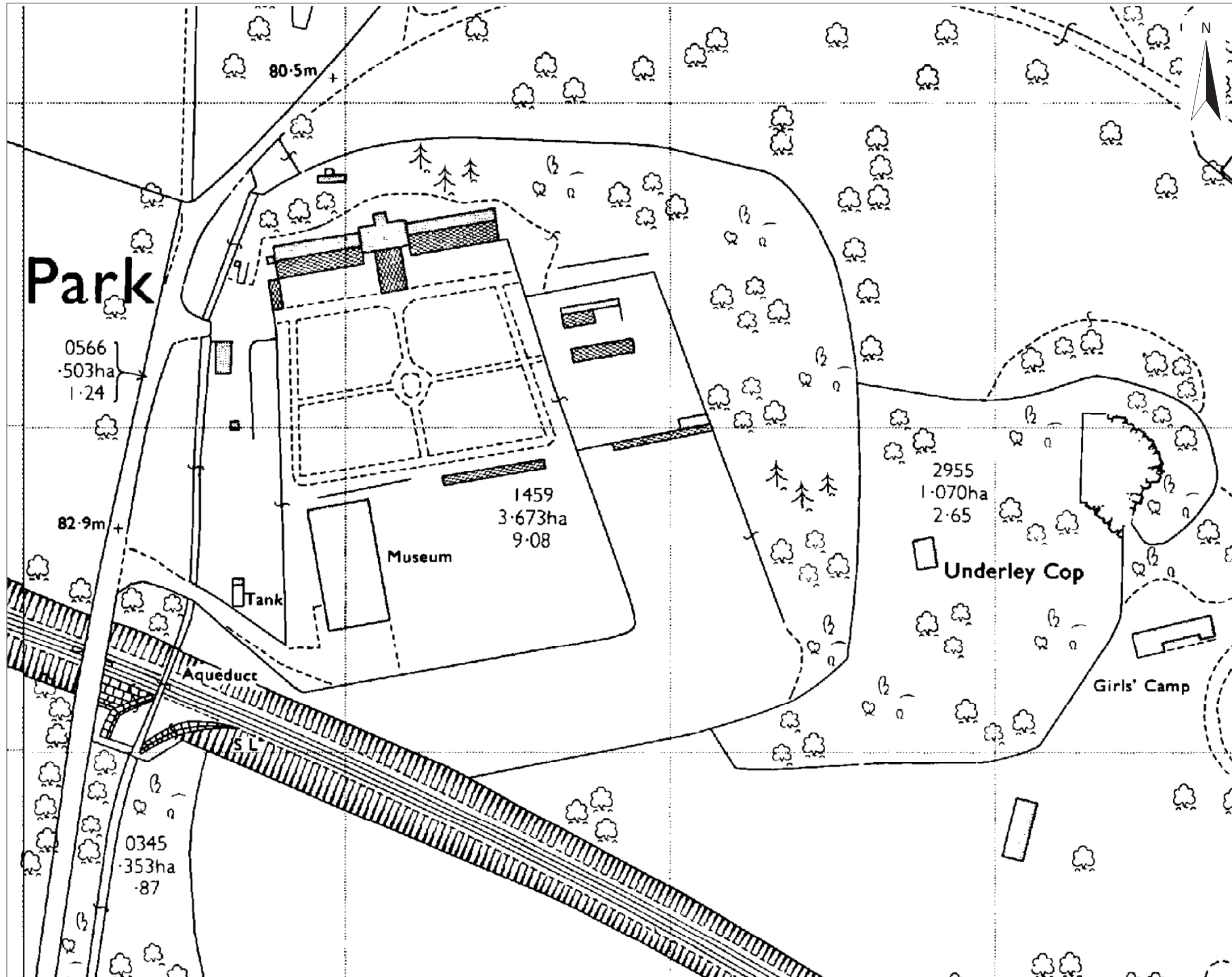


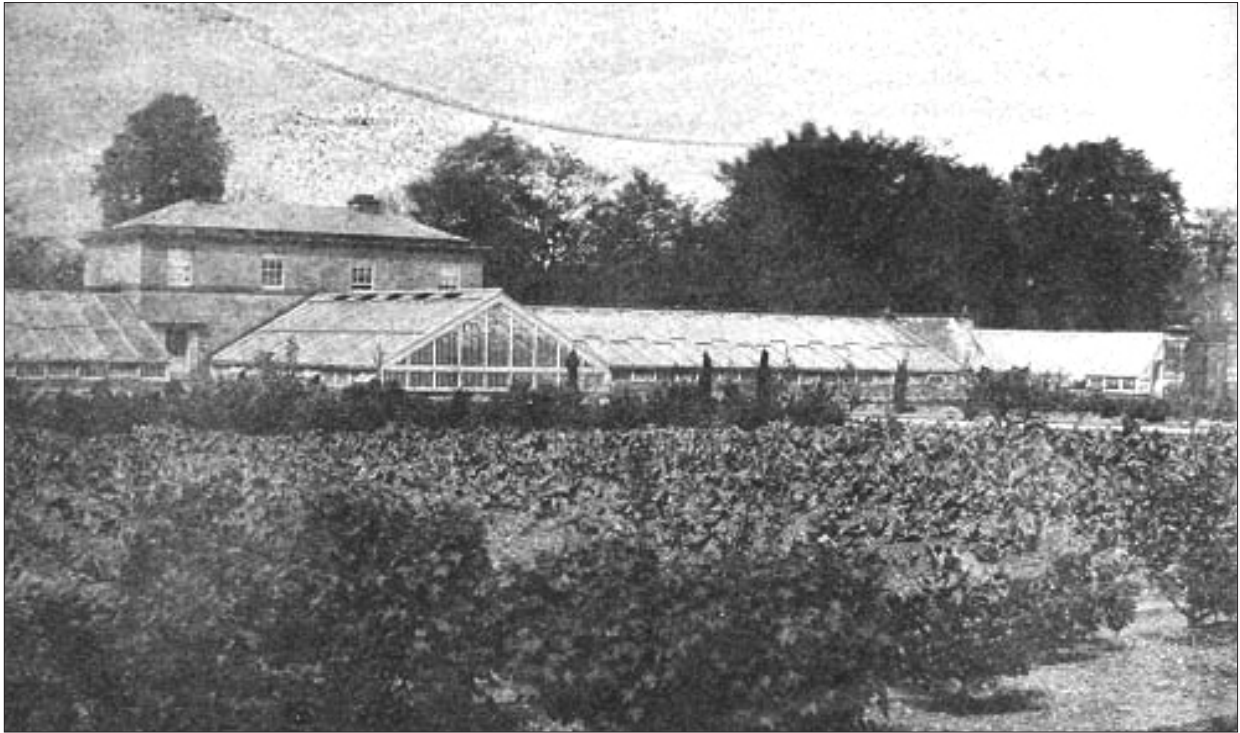
Staffordshire CRO Ref. D615/M/6/61, used by permission











(a) View of Gardener's house, conservatory and glasshouses from south-west c.1860-70
SAMS FP81.022.0013 (17/1662)



(b) View of Gardener's house, conservatory and glasshouses from south-west, 1935
SAMS Acc No. P98.8.5 img 1460 (18/1915)



Looking northwards towards head gardener's house; note form of glasshouse to right (SAMS 2007.007.009 32/21474).



(a) View of Gardener's house and conservatory from south, 1919 (SAMS Acc No. 99.004.00006)



(b) Interior of 'carnation house' looking north c.1931-2 SAMS 2007.007.0002 (37/21443)



(a) North-east vinery; interior looking south-east c.1940 (SAMS Acc. No. FP11.3.84)



(b) Interior of north-west vinery looking east towards Head Gardener's House, c.1934-5
SAMS Acc No P98.8.2 img.3213 (18/3516)



(a) Looking south-east across east annex garden from head gardener's house, c.1931-2.
(SAMS 2007.007.0005 37/21446)



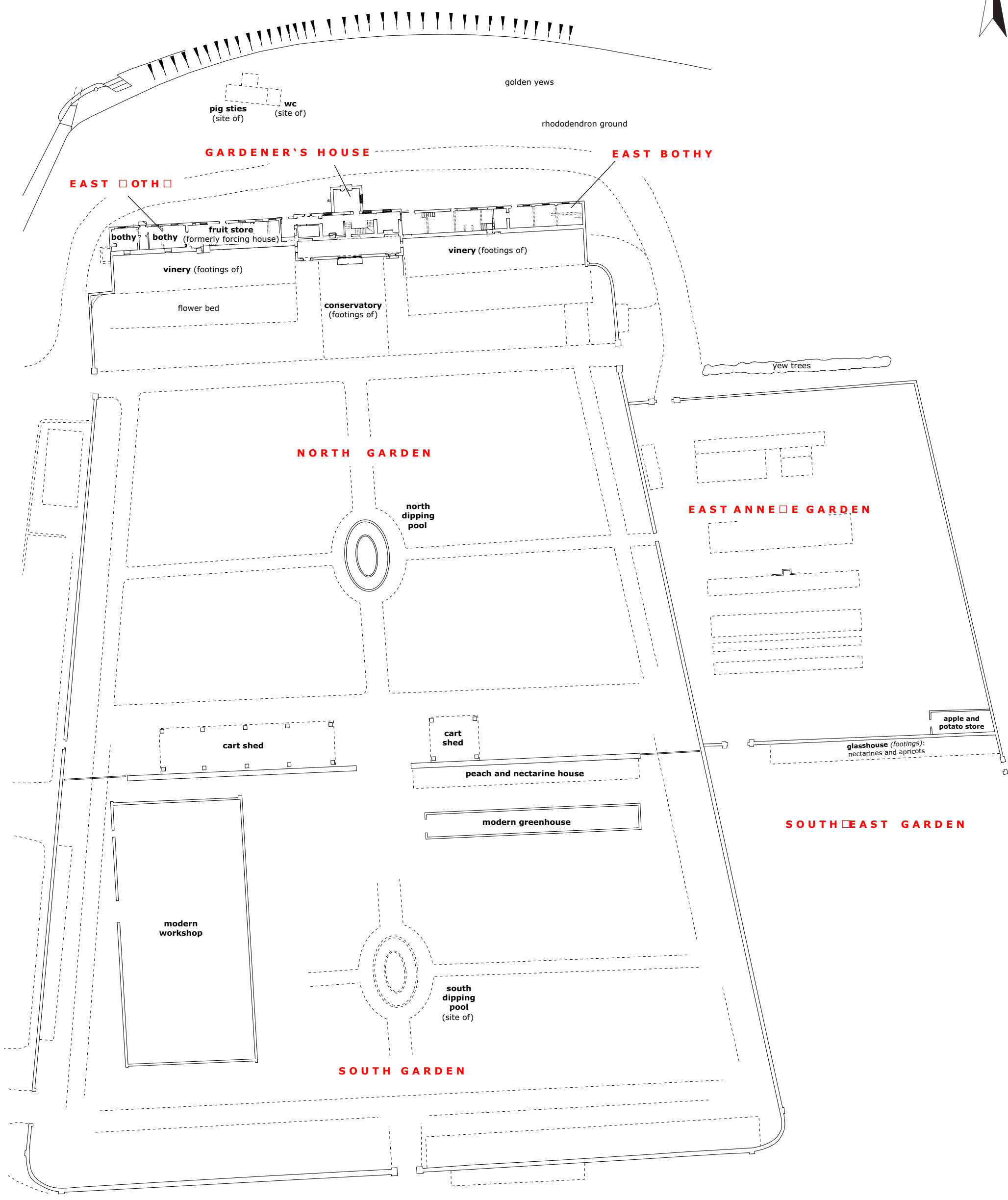
(b) Looking north-west across east annex garden towards head gardener's house, c.1931-2.
(SAMS 2007.007.0010 37/21475)



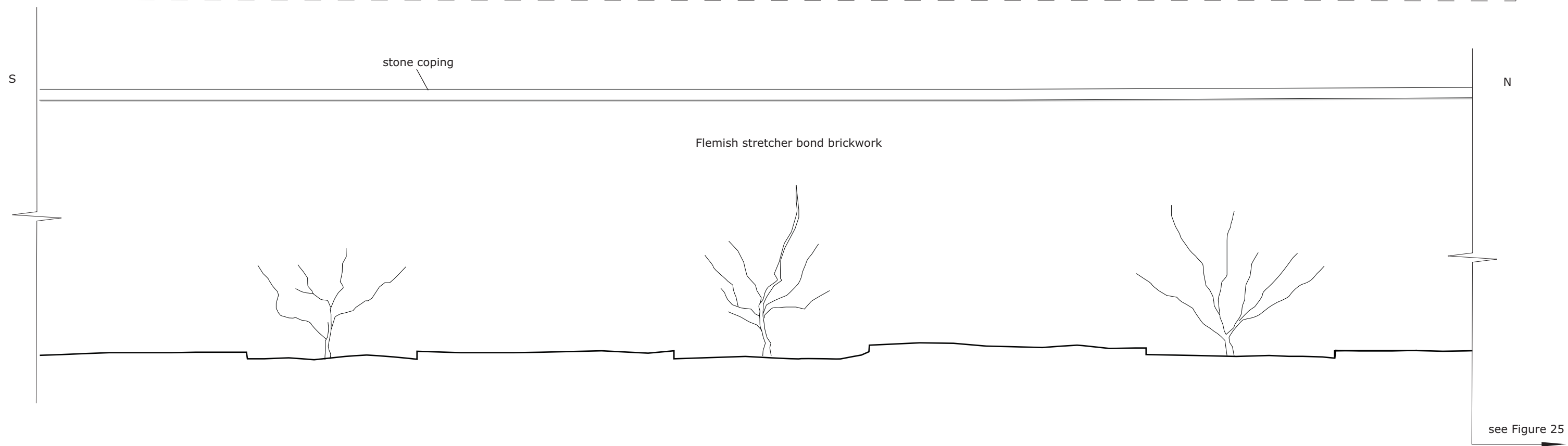
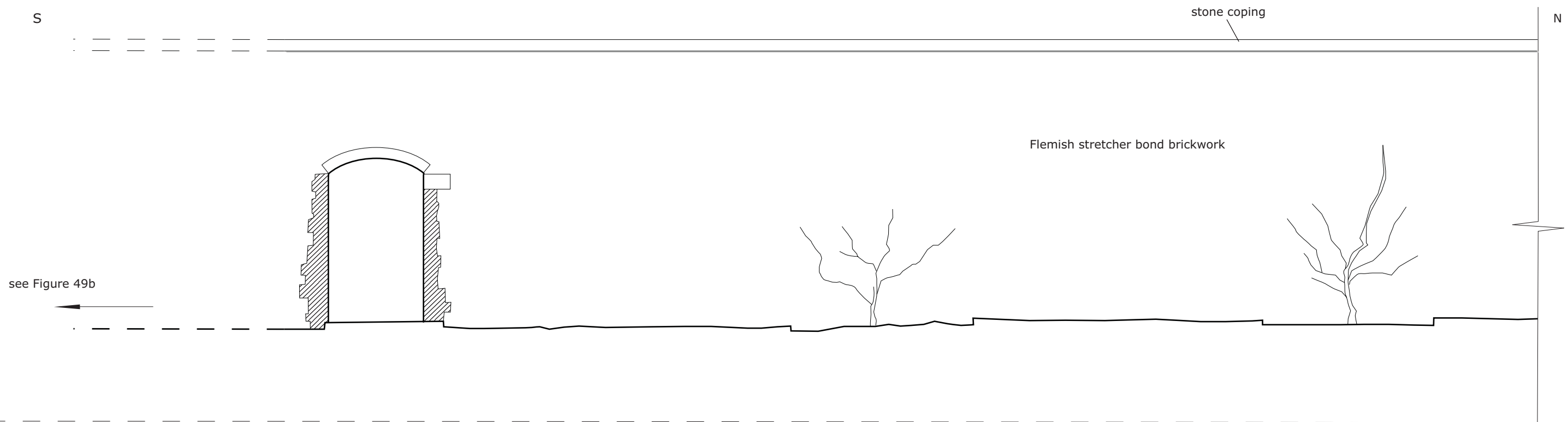
(a) View north from SE garden into east annex garden, c.1935/6 (SAMS Acc. No P98.8.3 img 3214 (18/3517).



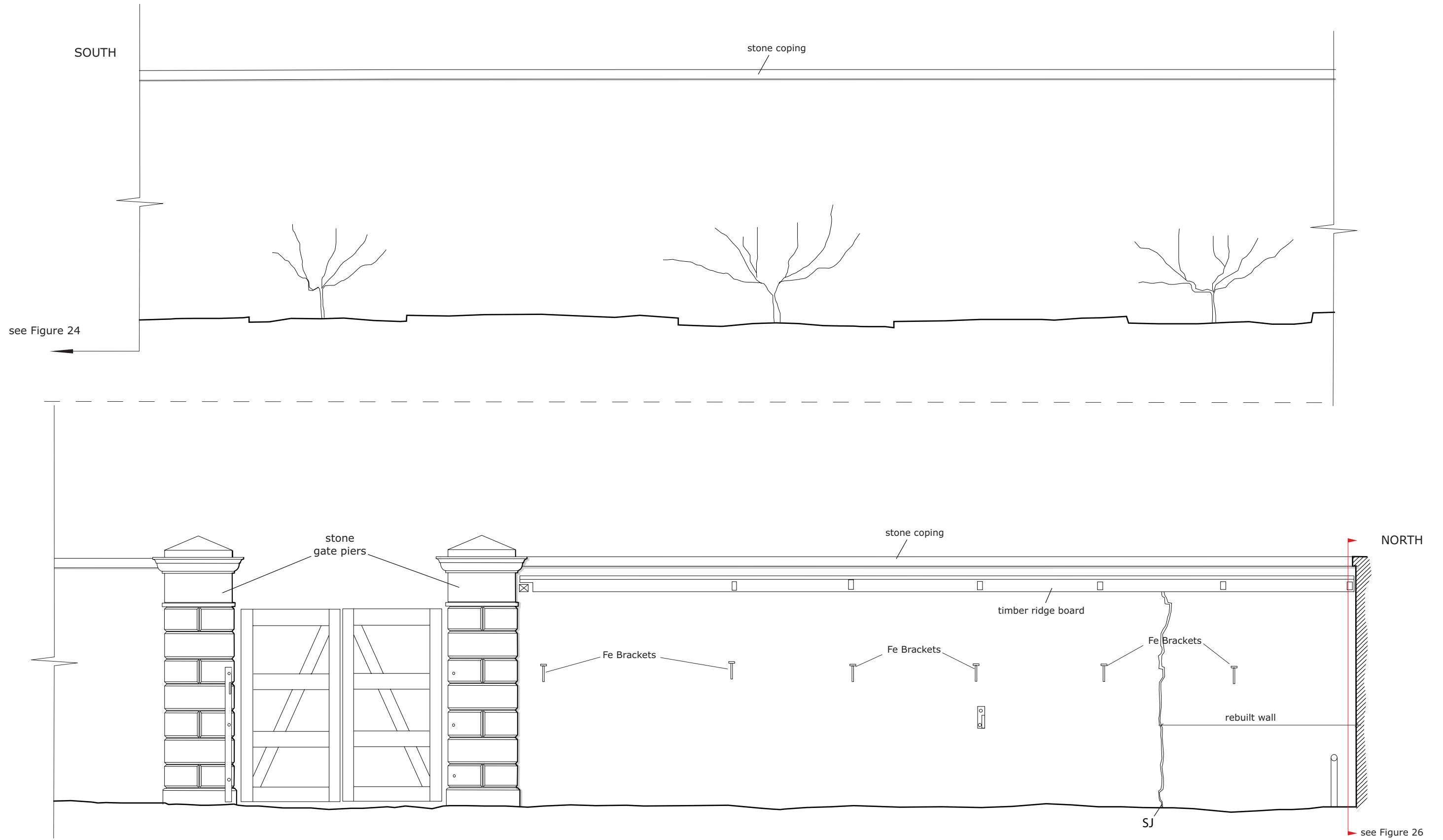
(b) Looking north across east annex garden, undated (SAMS Acc. No P98.8.3 img 3214.(18/3517)



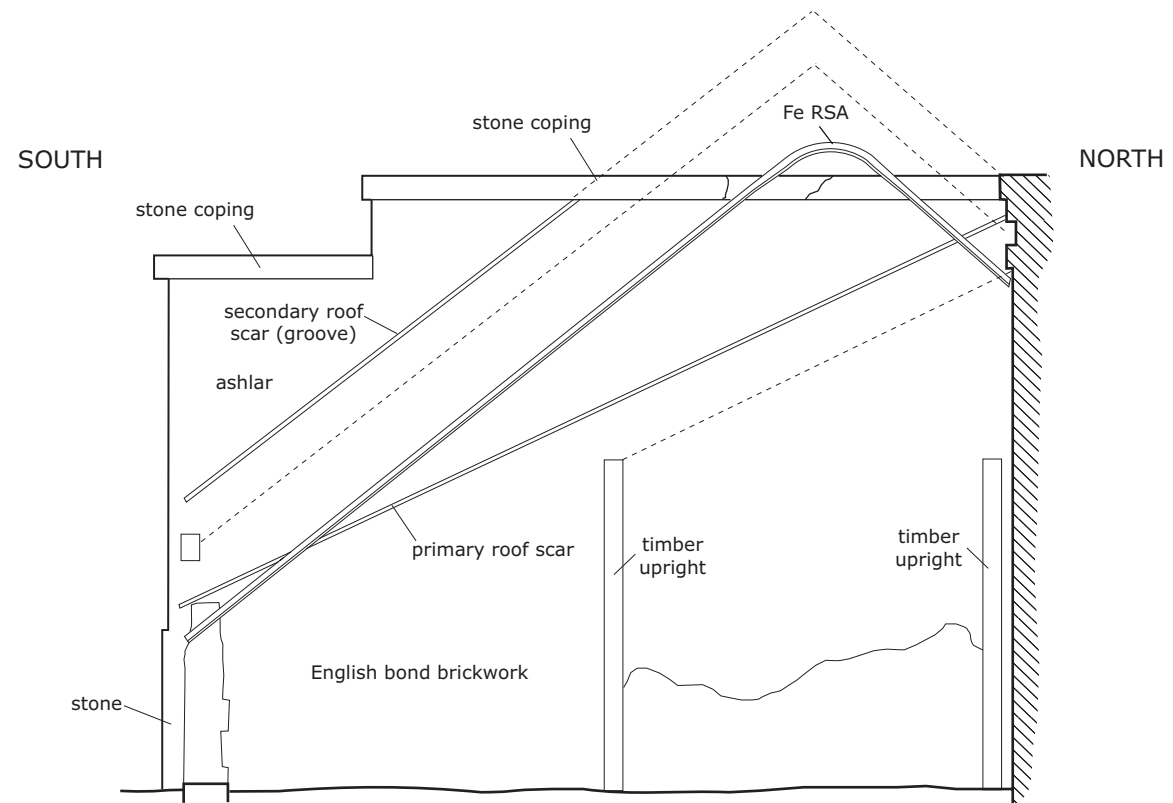
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Scale 1:200 @ A3



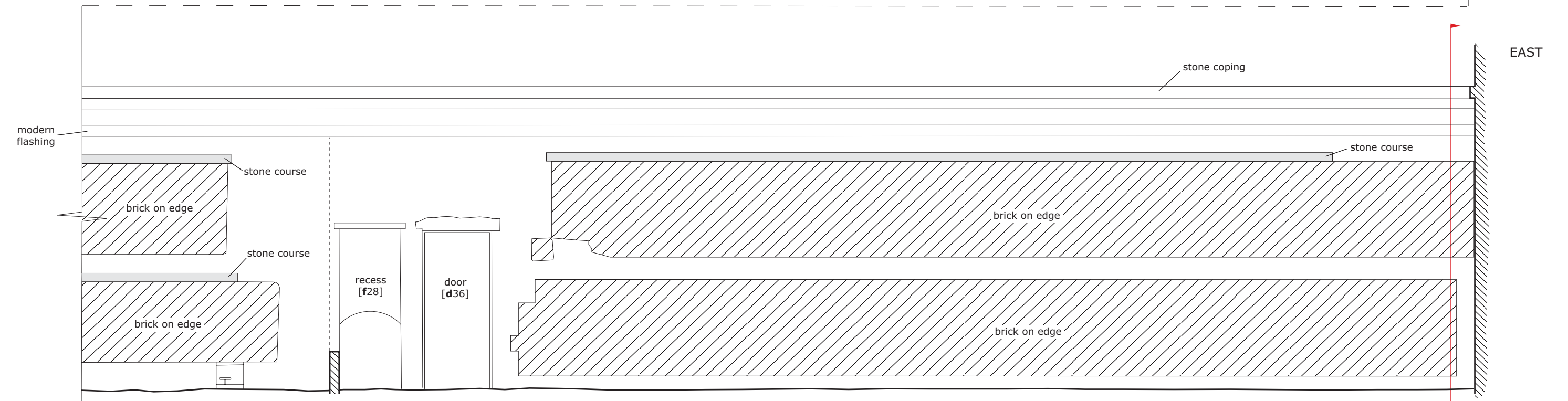
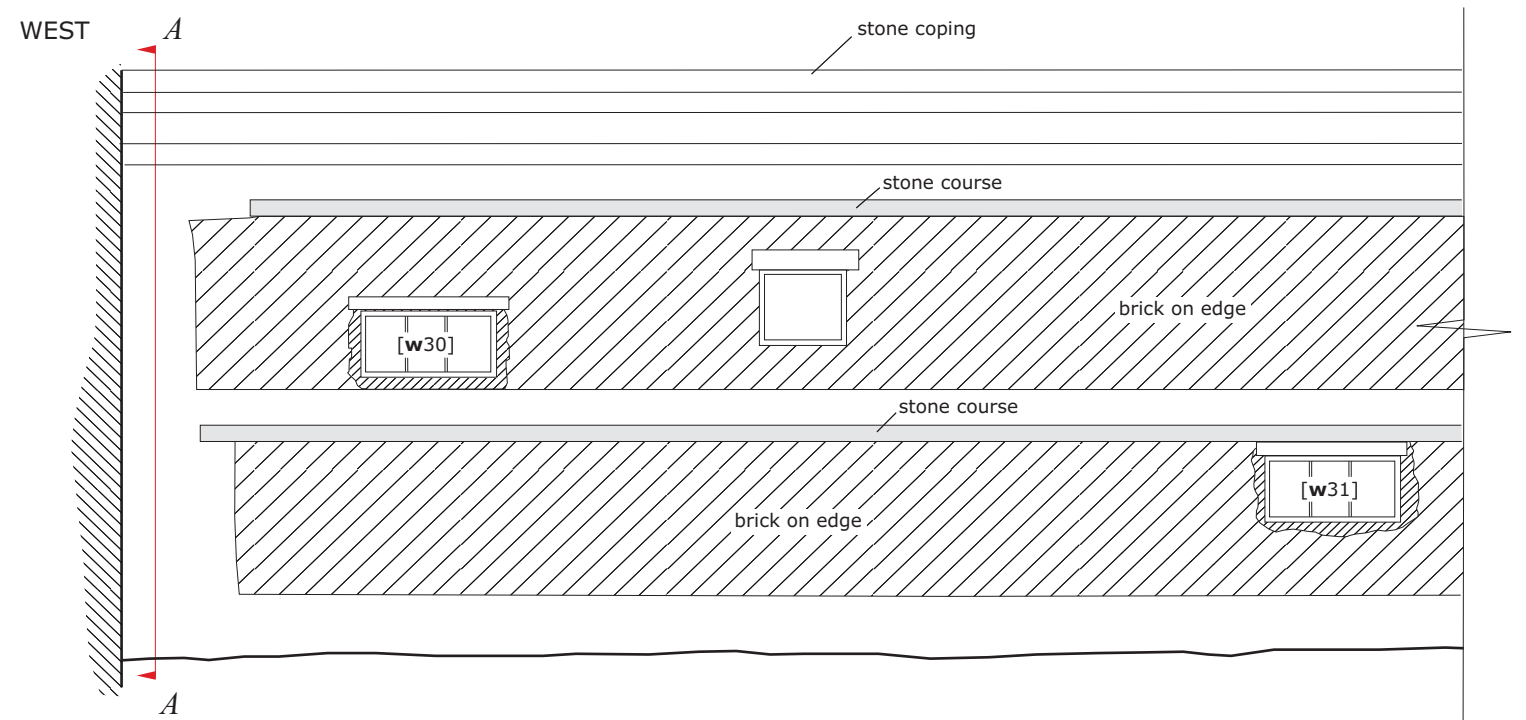
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Scale 1:50 @ A3

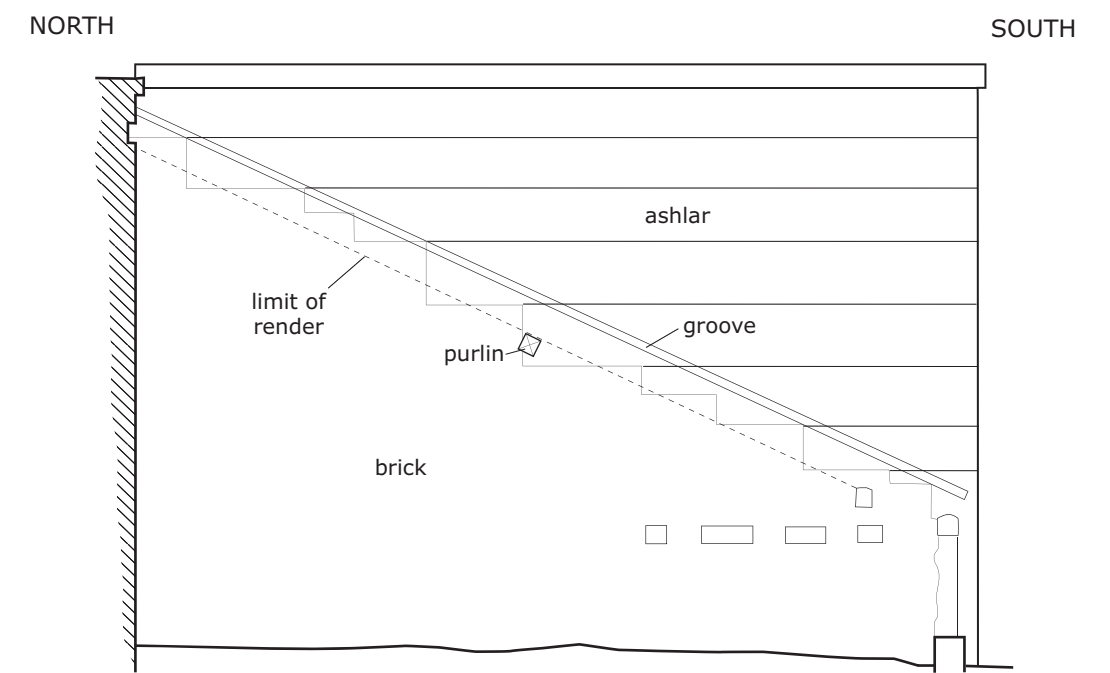
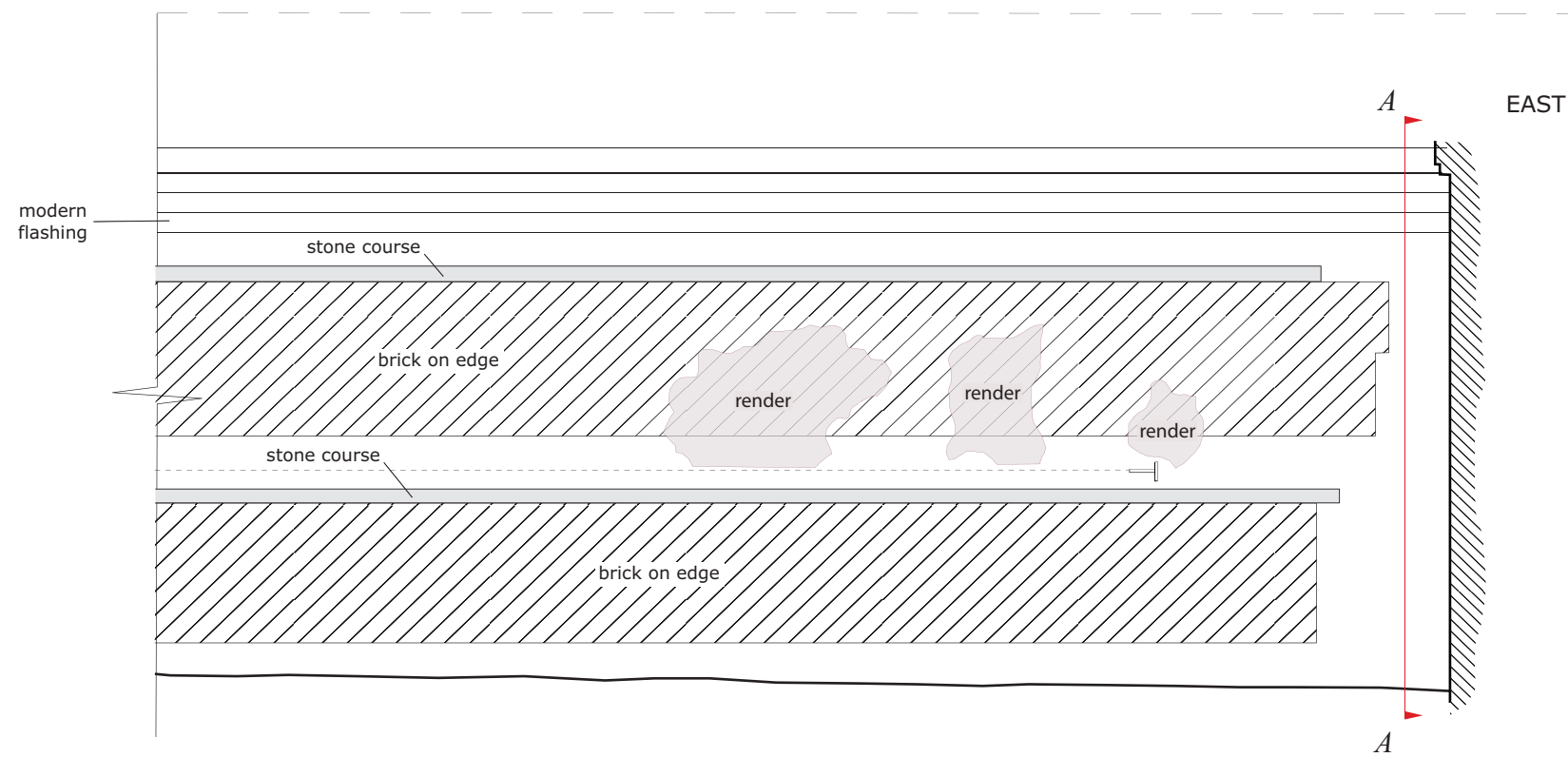
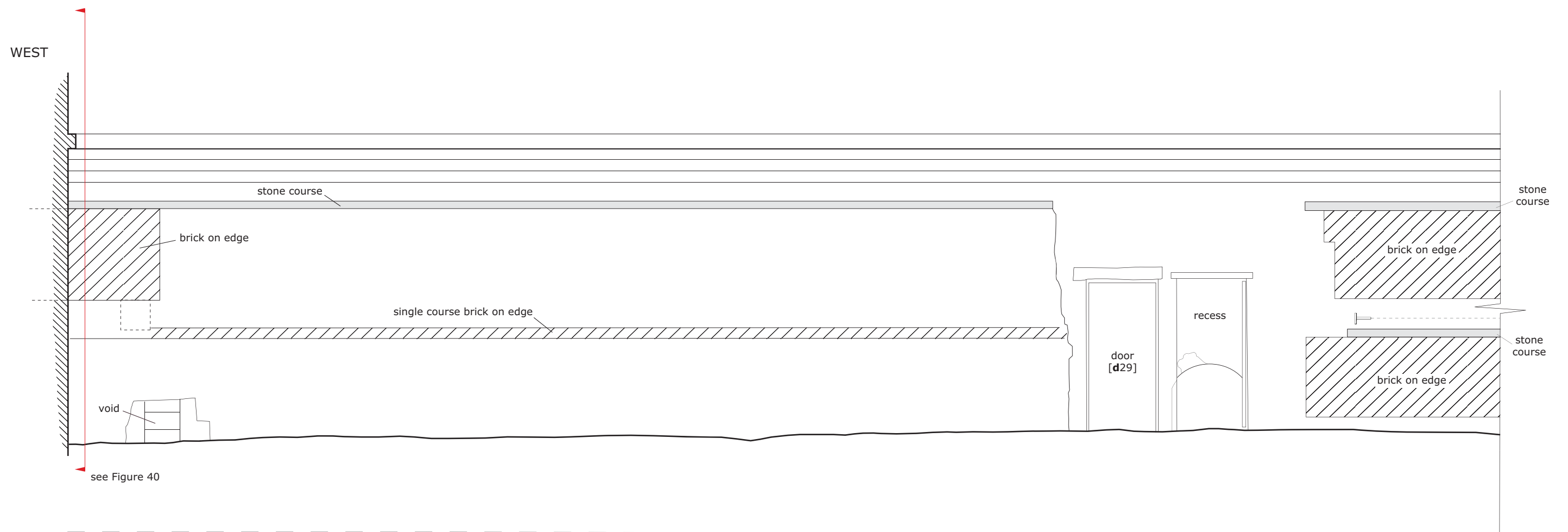


1 0 5 m
Scale 1:50 @ A3



Elevation at A-A



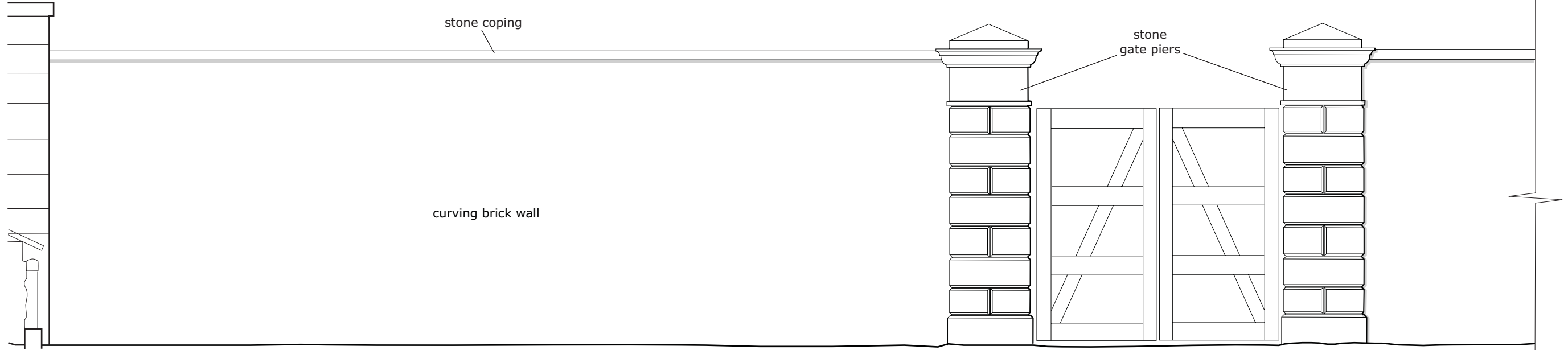


(b) elevation at A-A



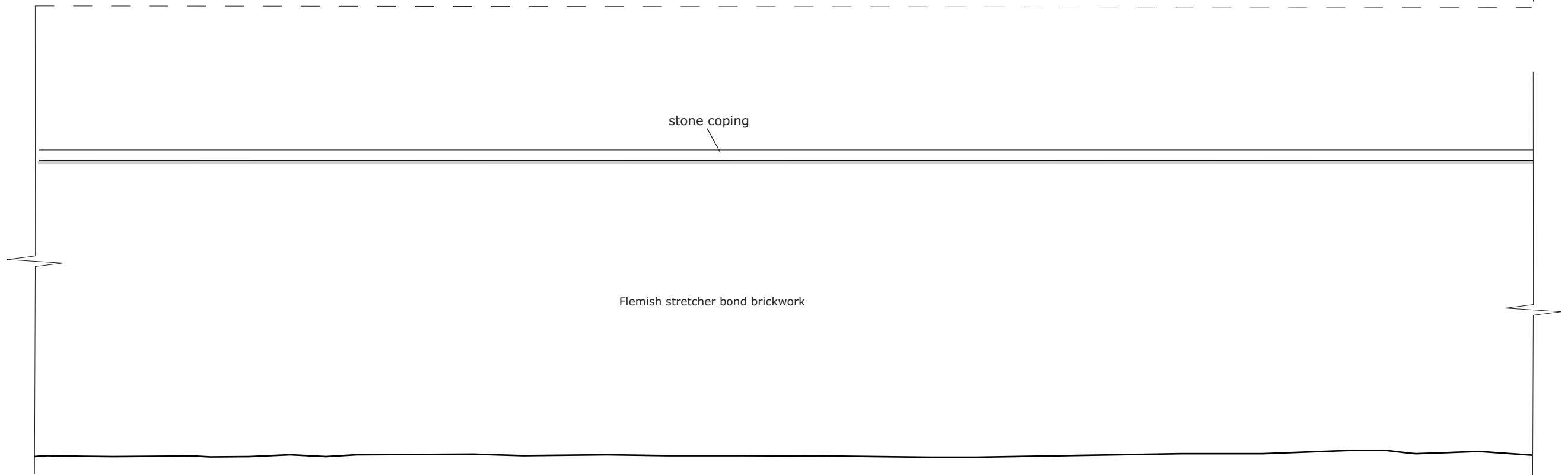
N

S



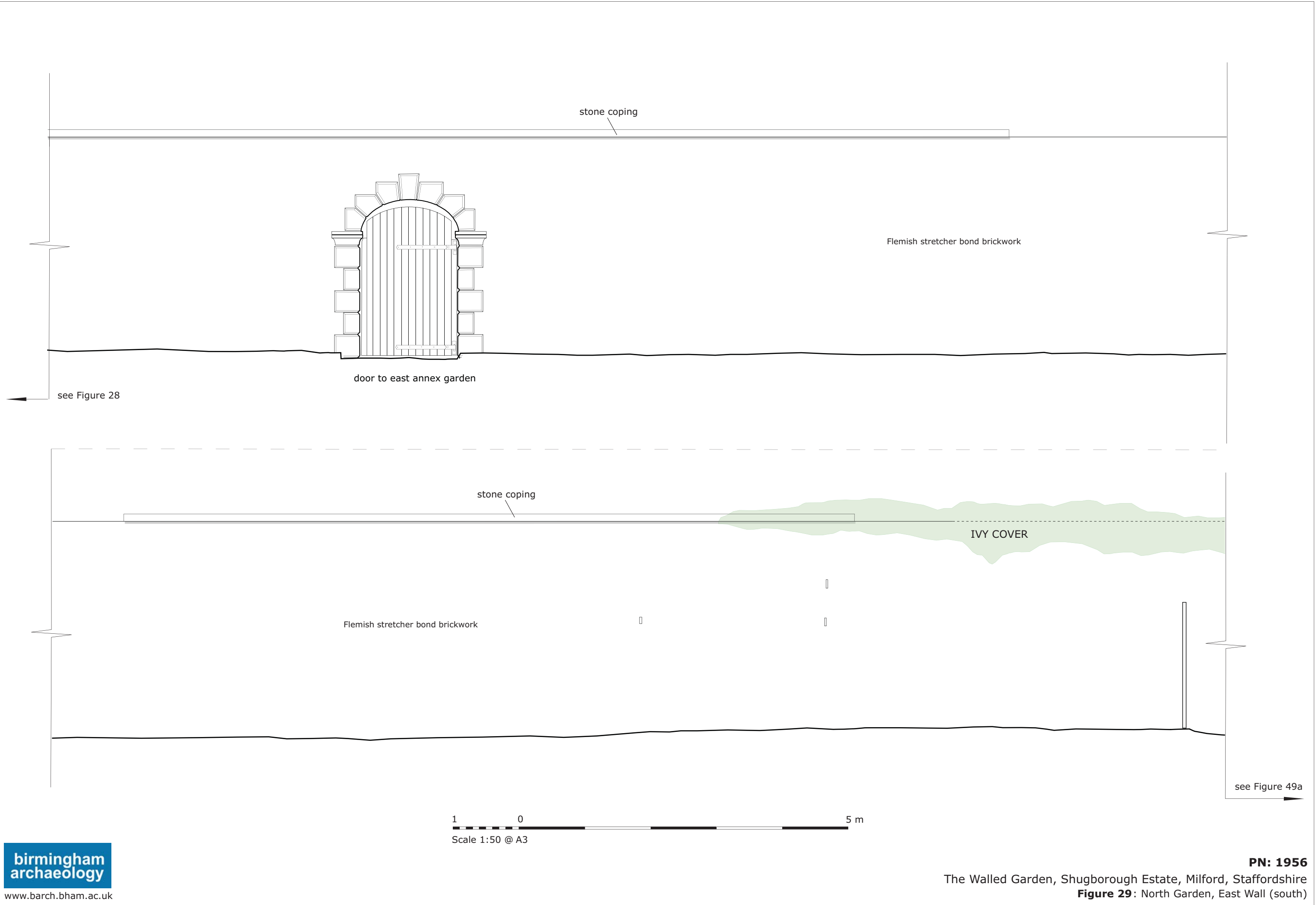
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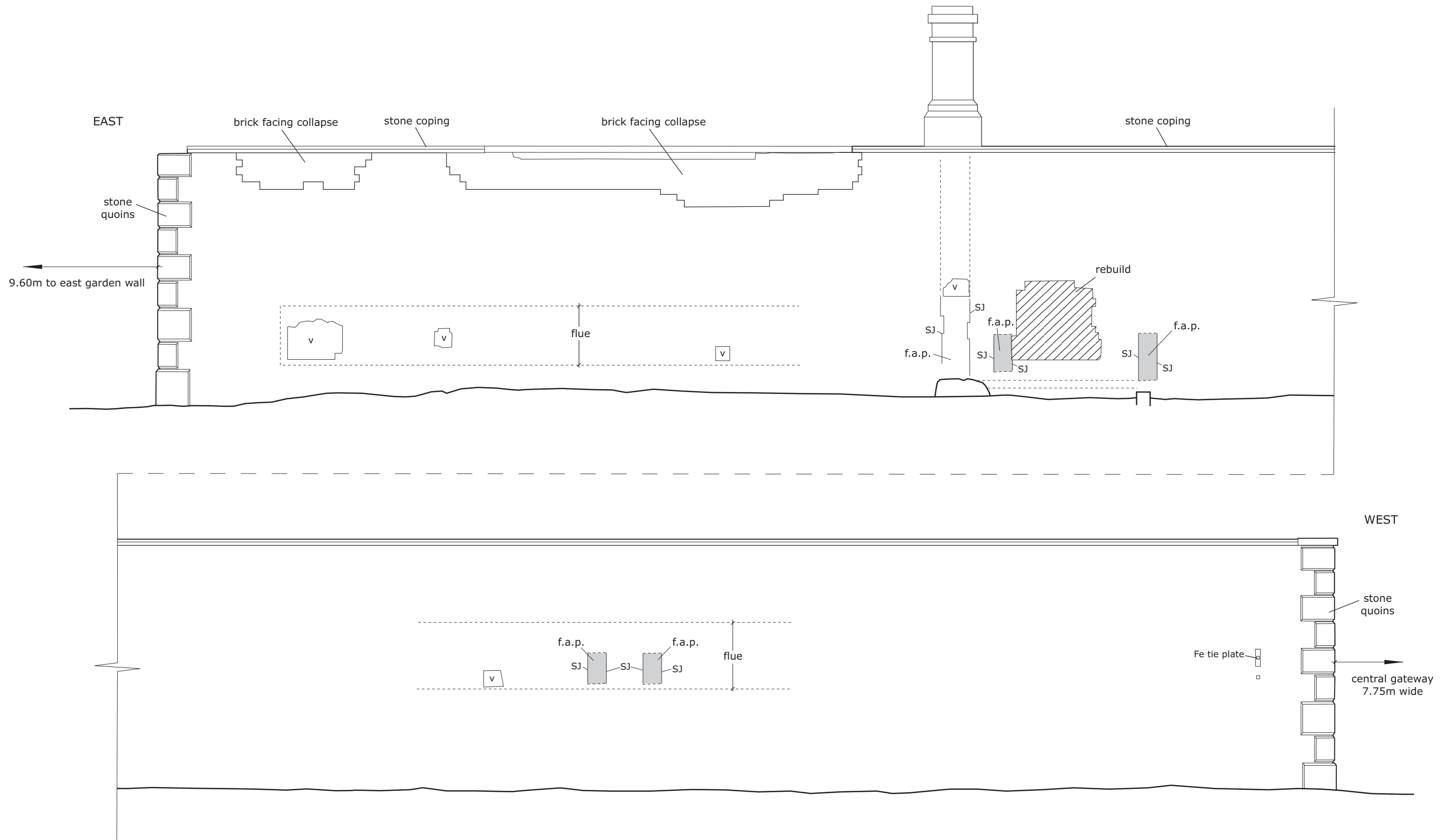
S



see Figure 29







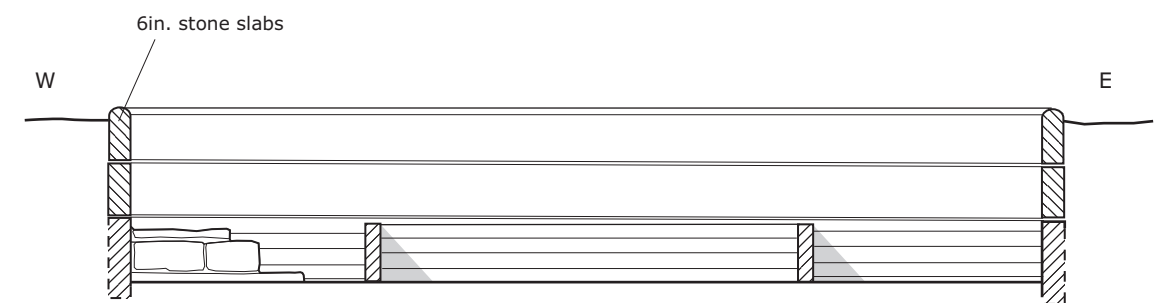
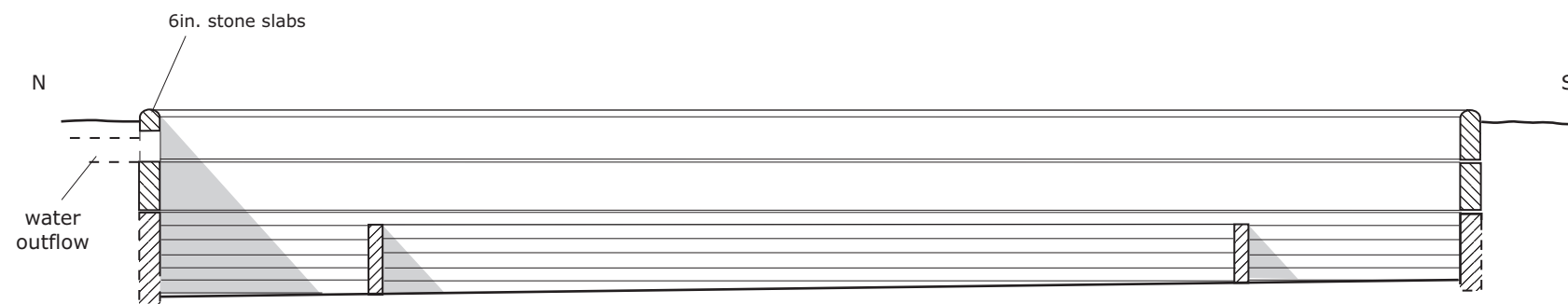
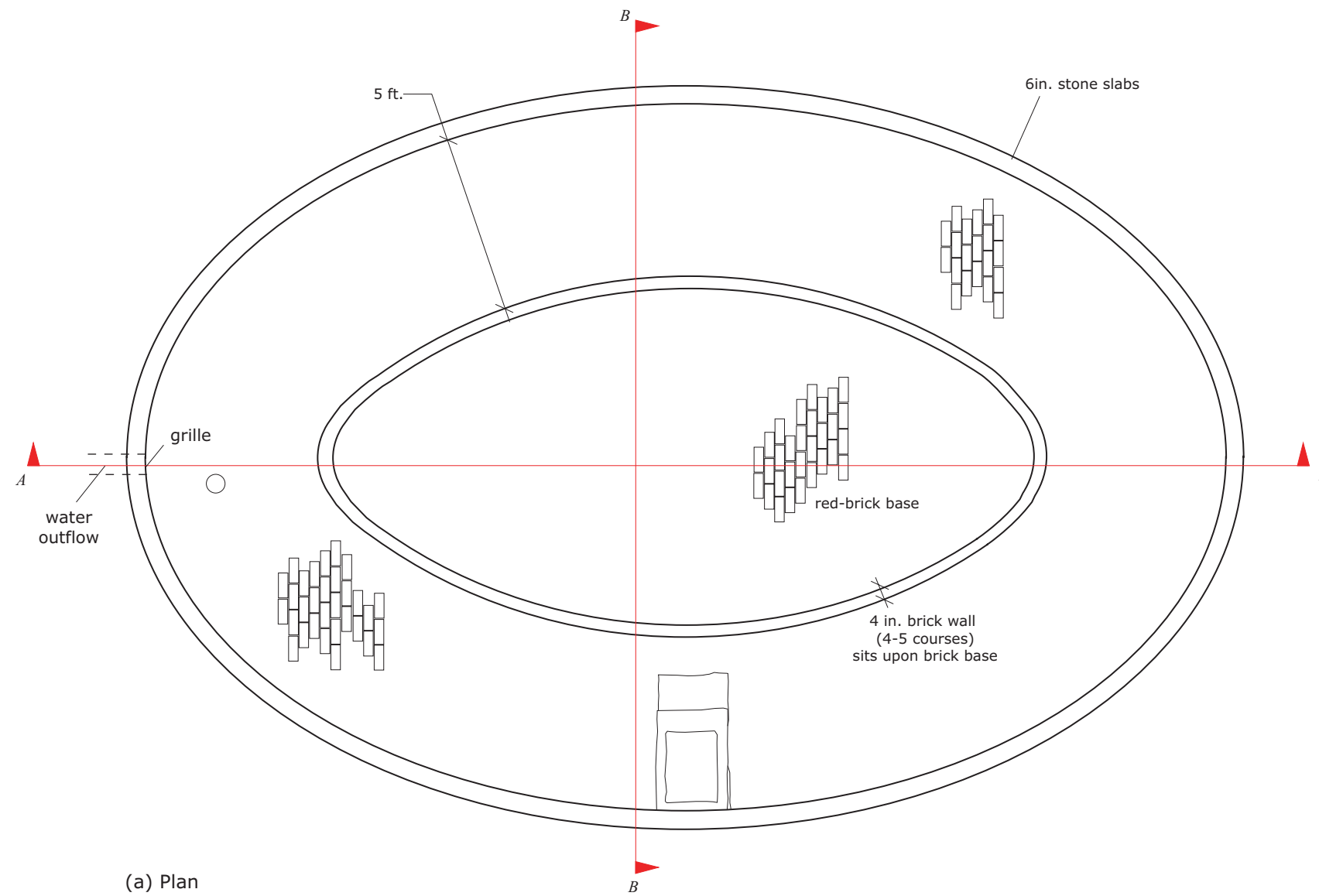
KEY
 v void
 SJ straight joint
 f.a.p. flue access point

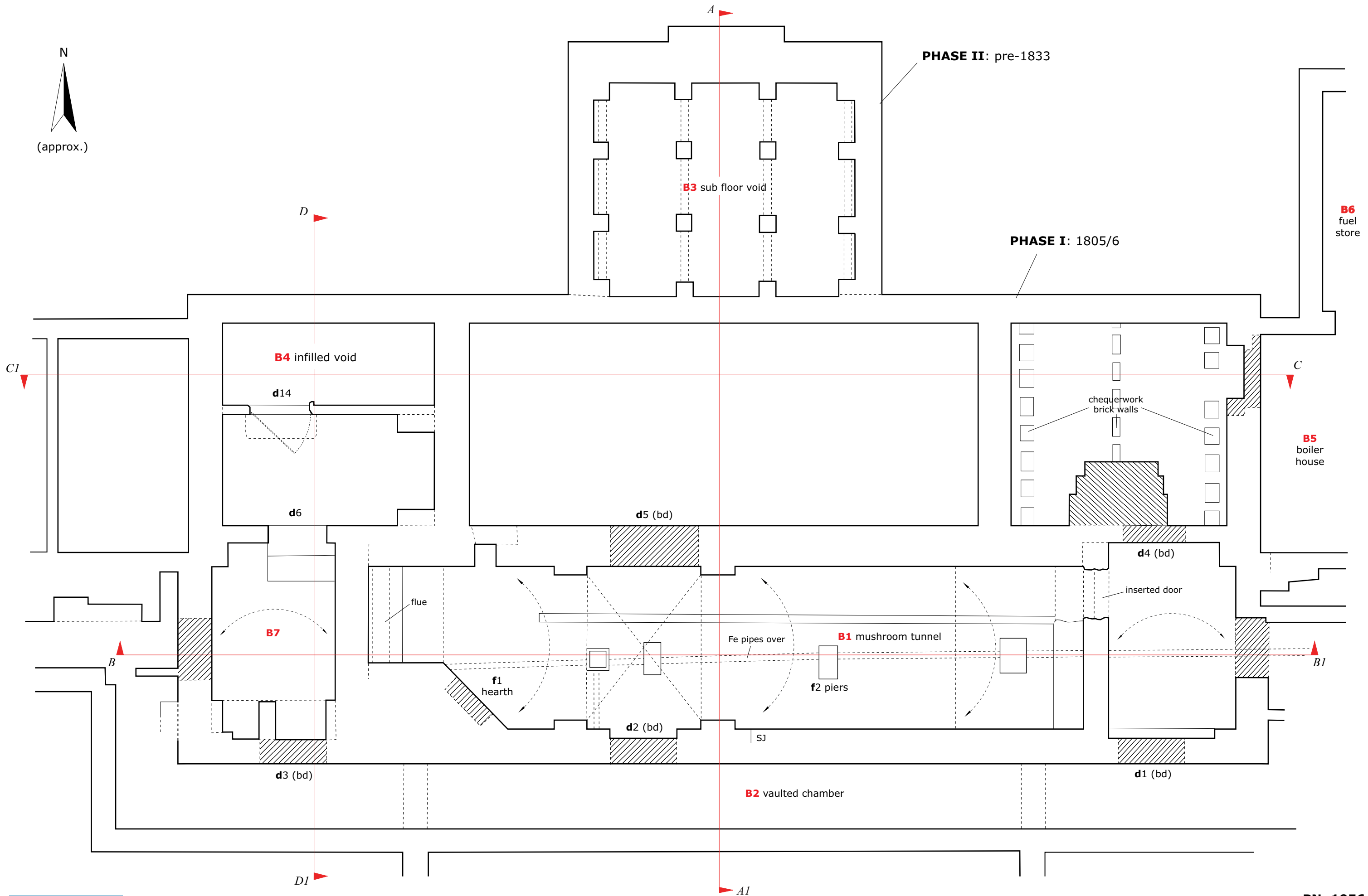
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 Scale 1:50 @ A3

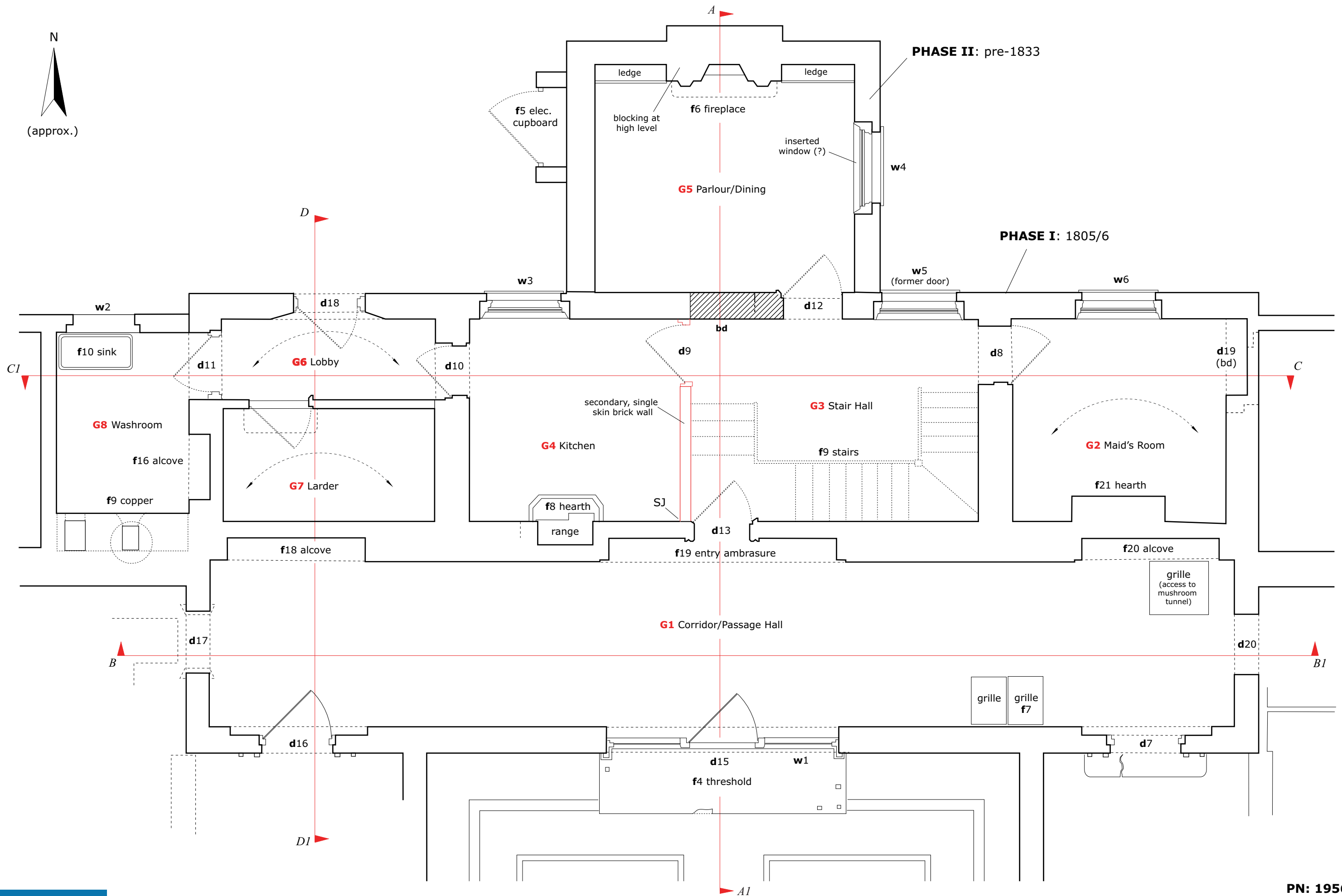


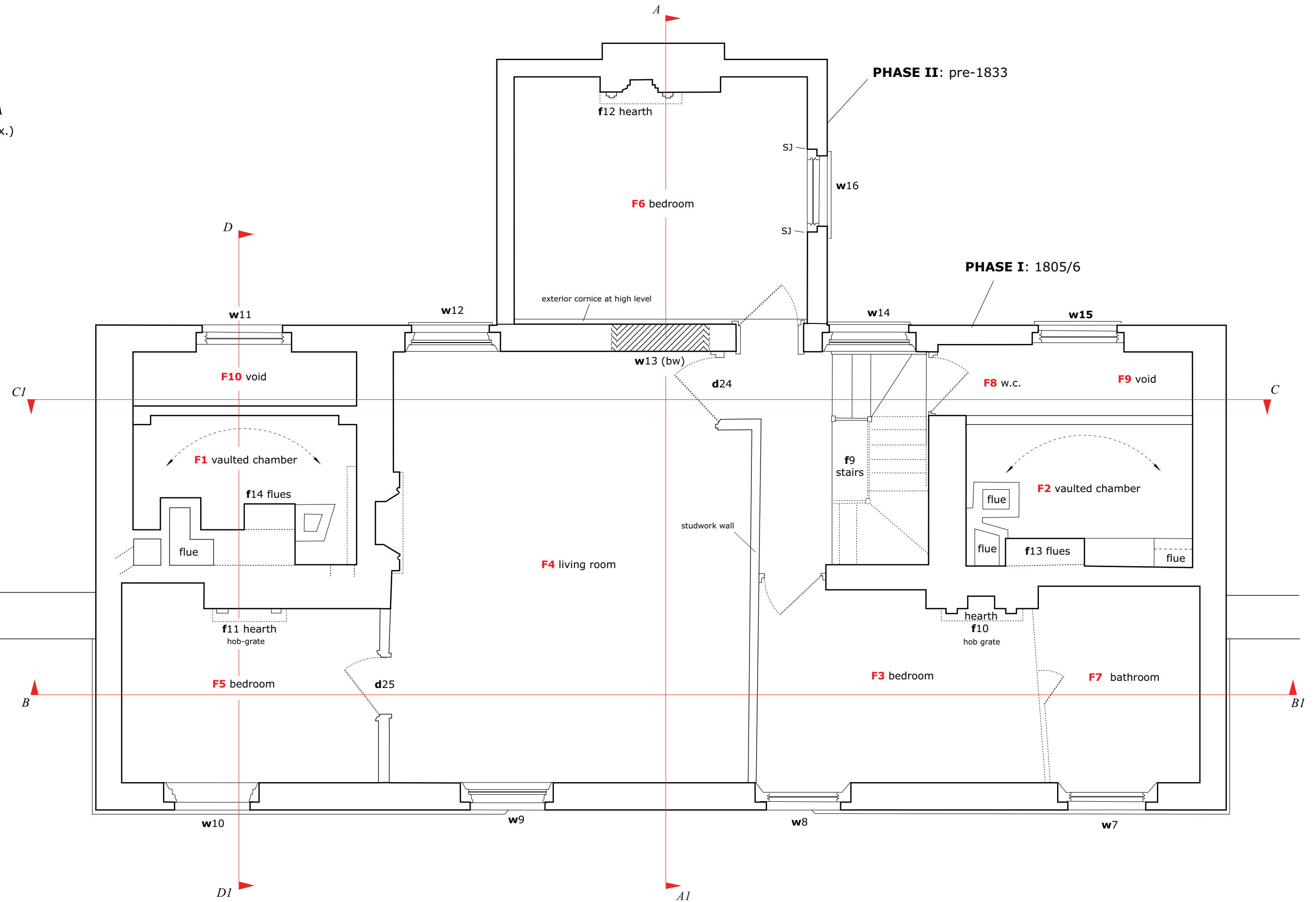
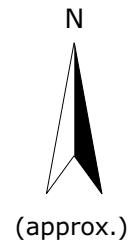
KEY
 v void
 SJ straight joint
 f.a.p. flue access point

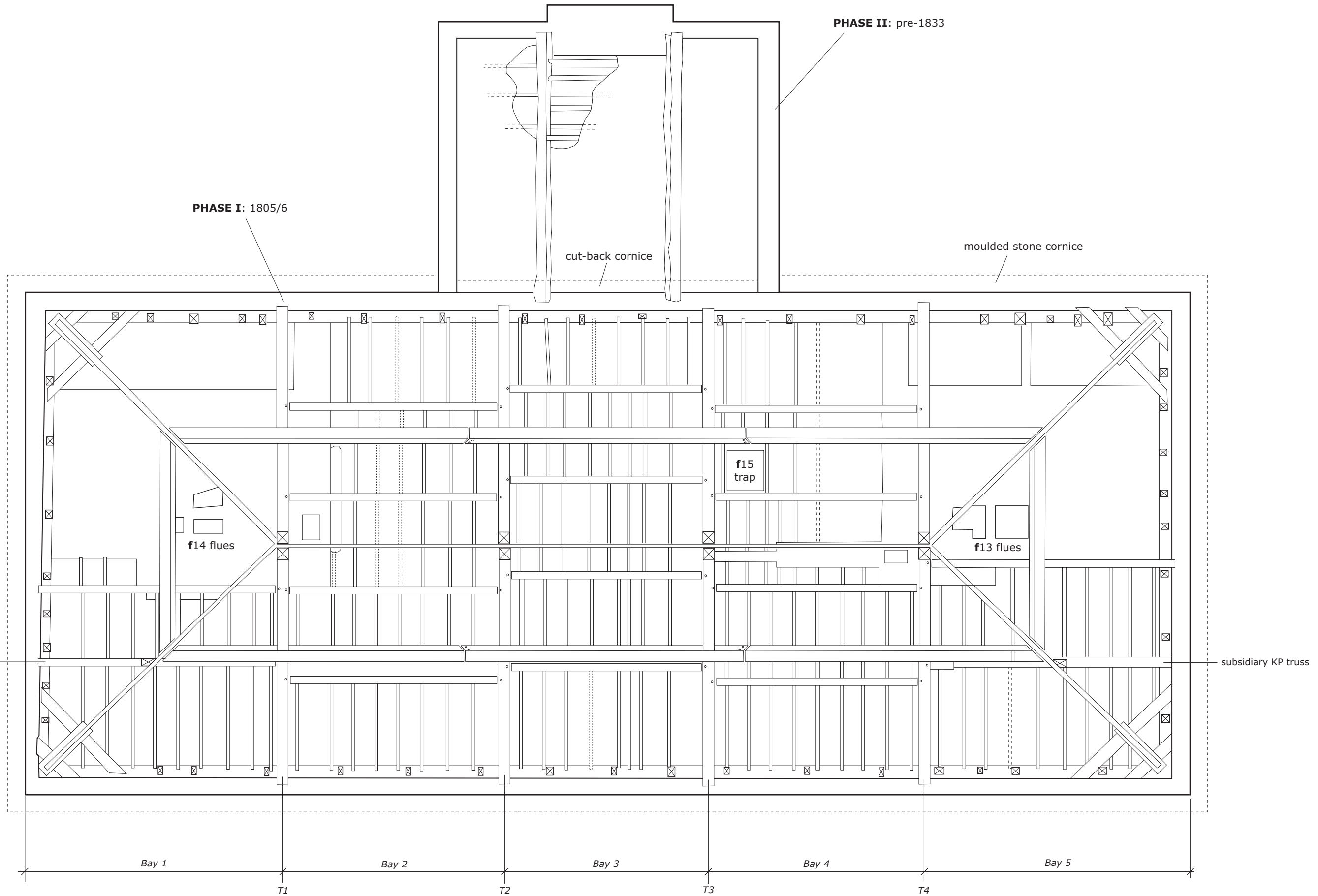


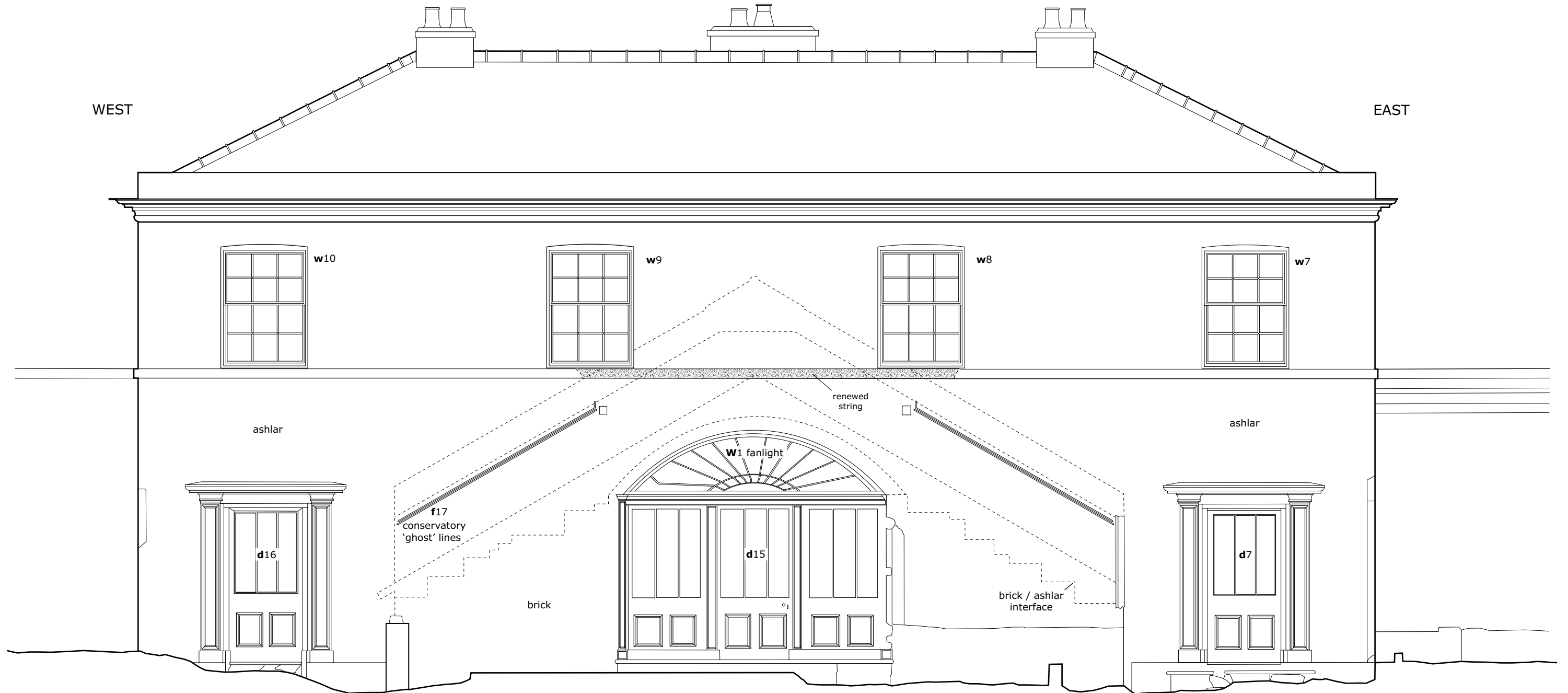












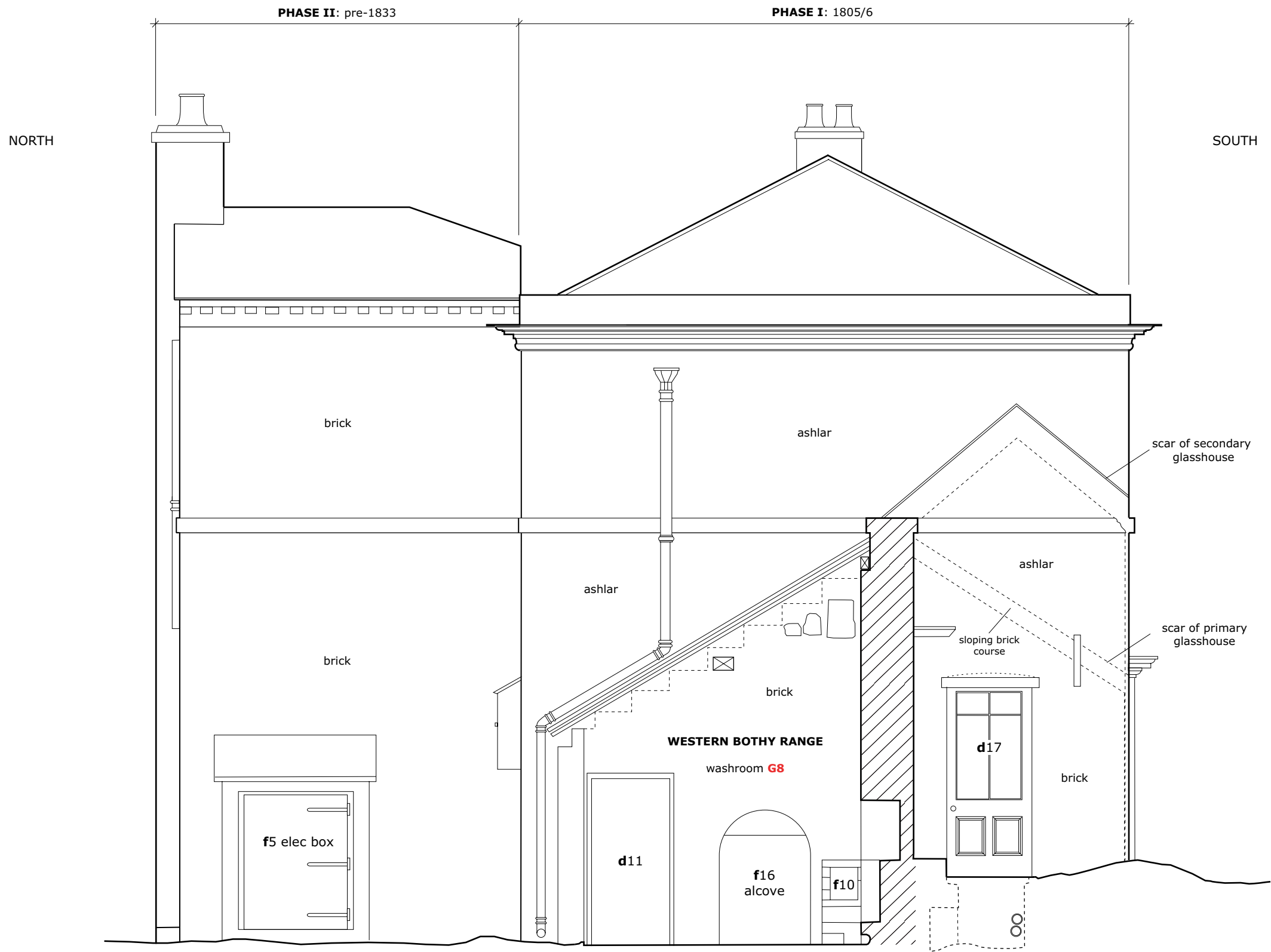
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 Scale 1:50 @ A3

EAST

WEST

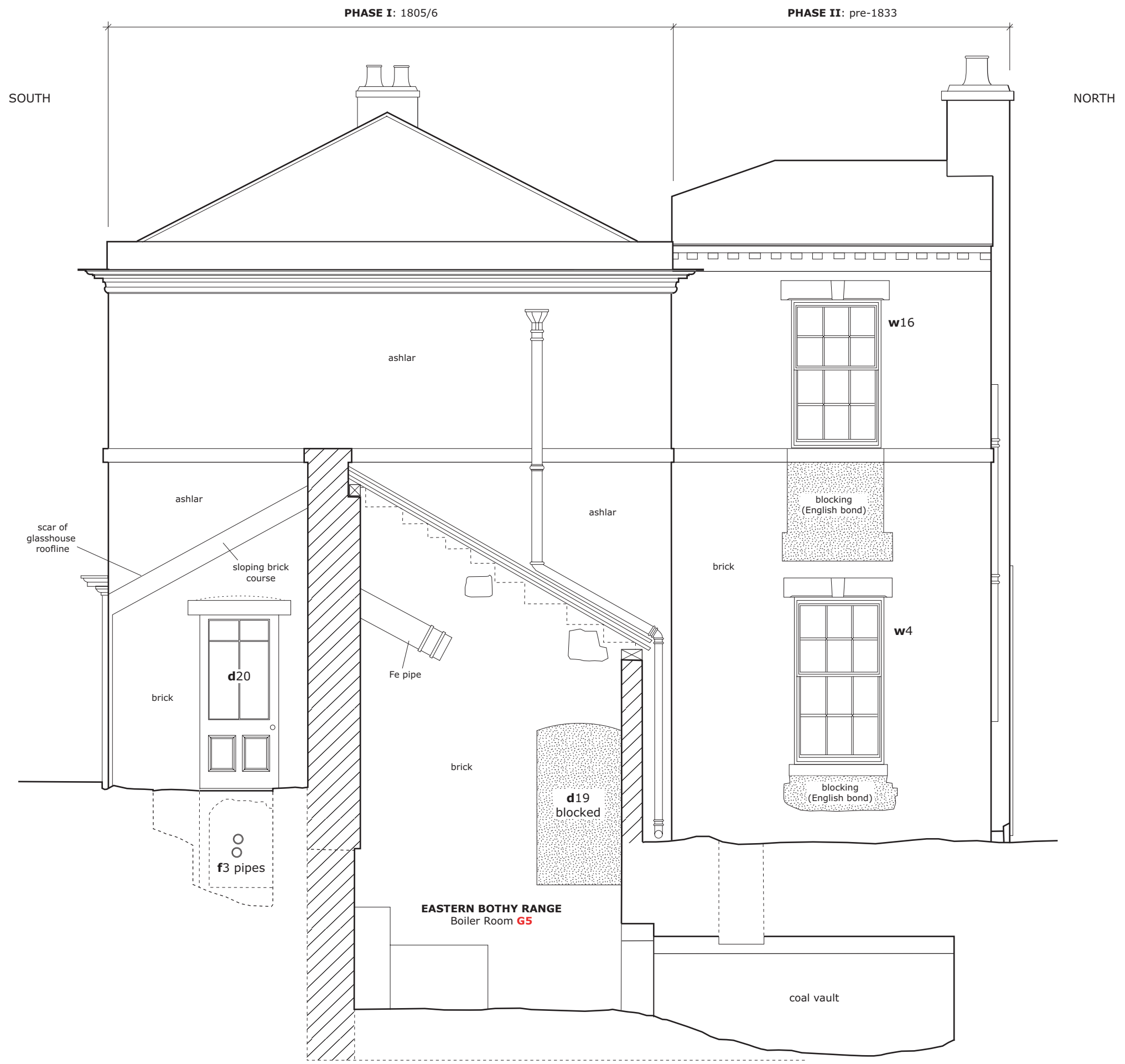
PHASE I: 1805/6

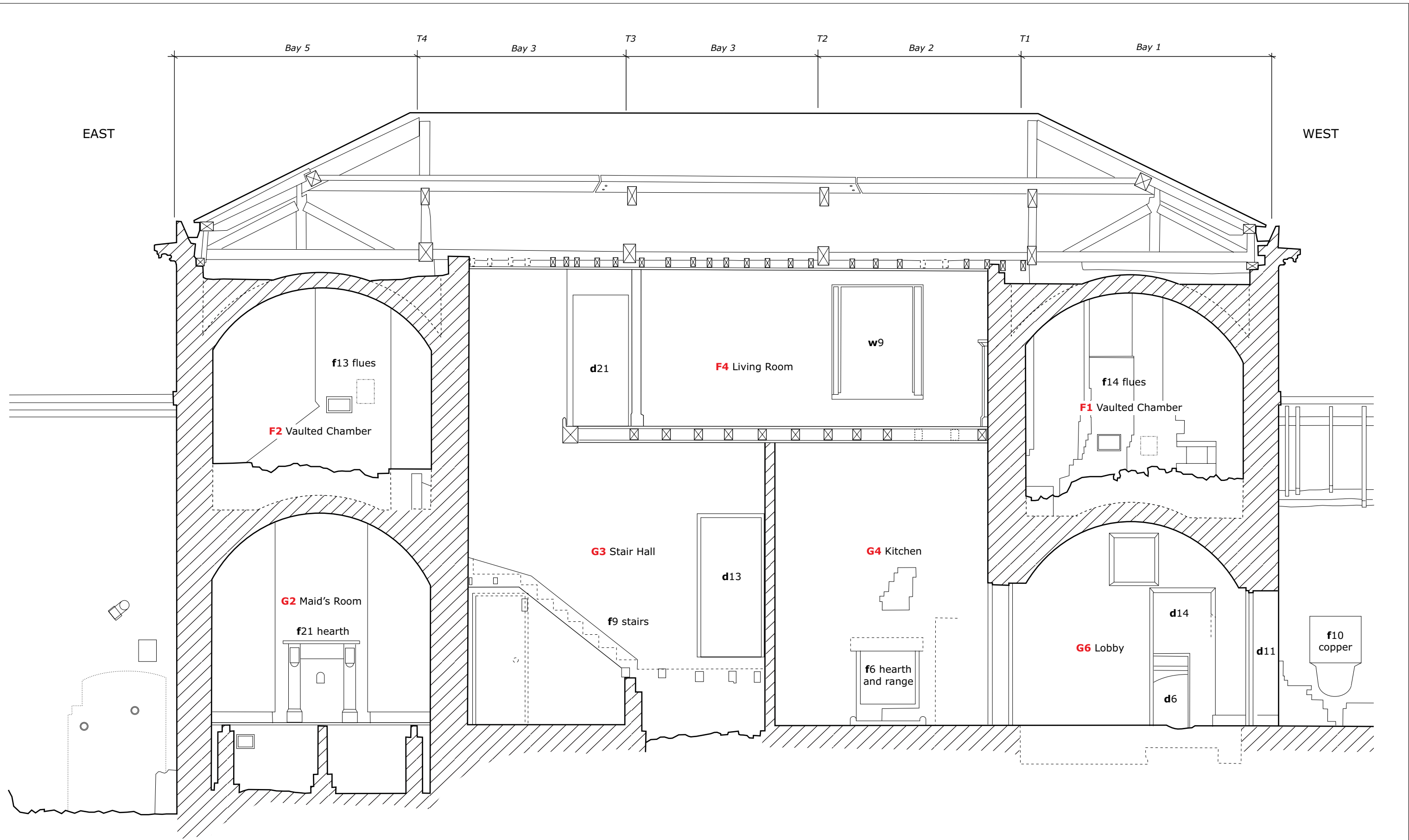




1 0 5 m

Scale 1:50 @ A3





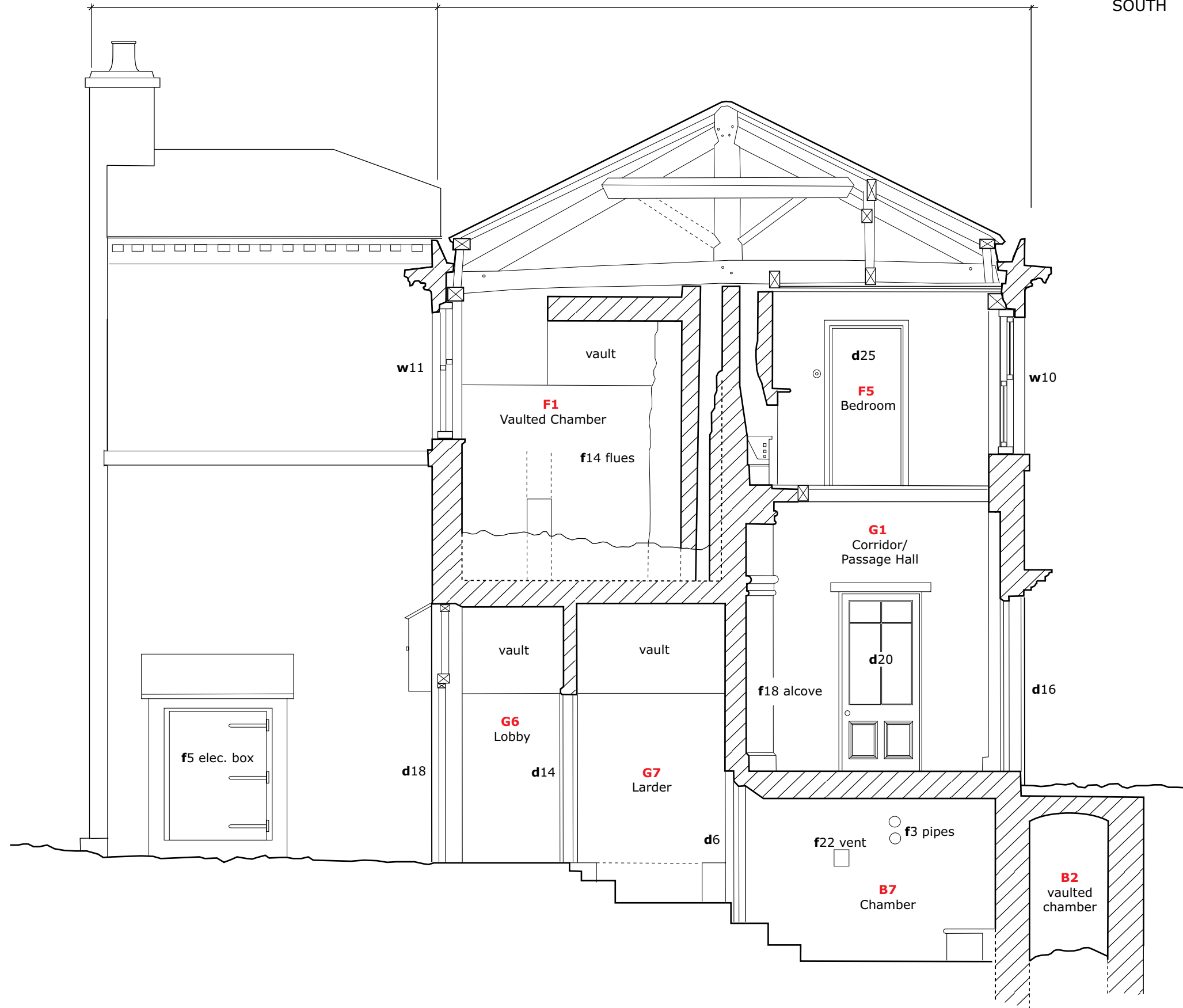
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 Scale 1:50 @ A3

NORTH

PHASE II: pre-1833

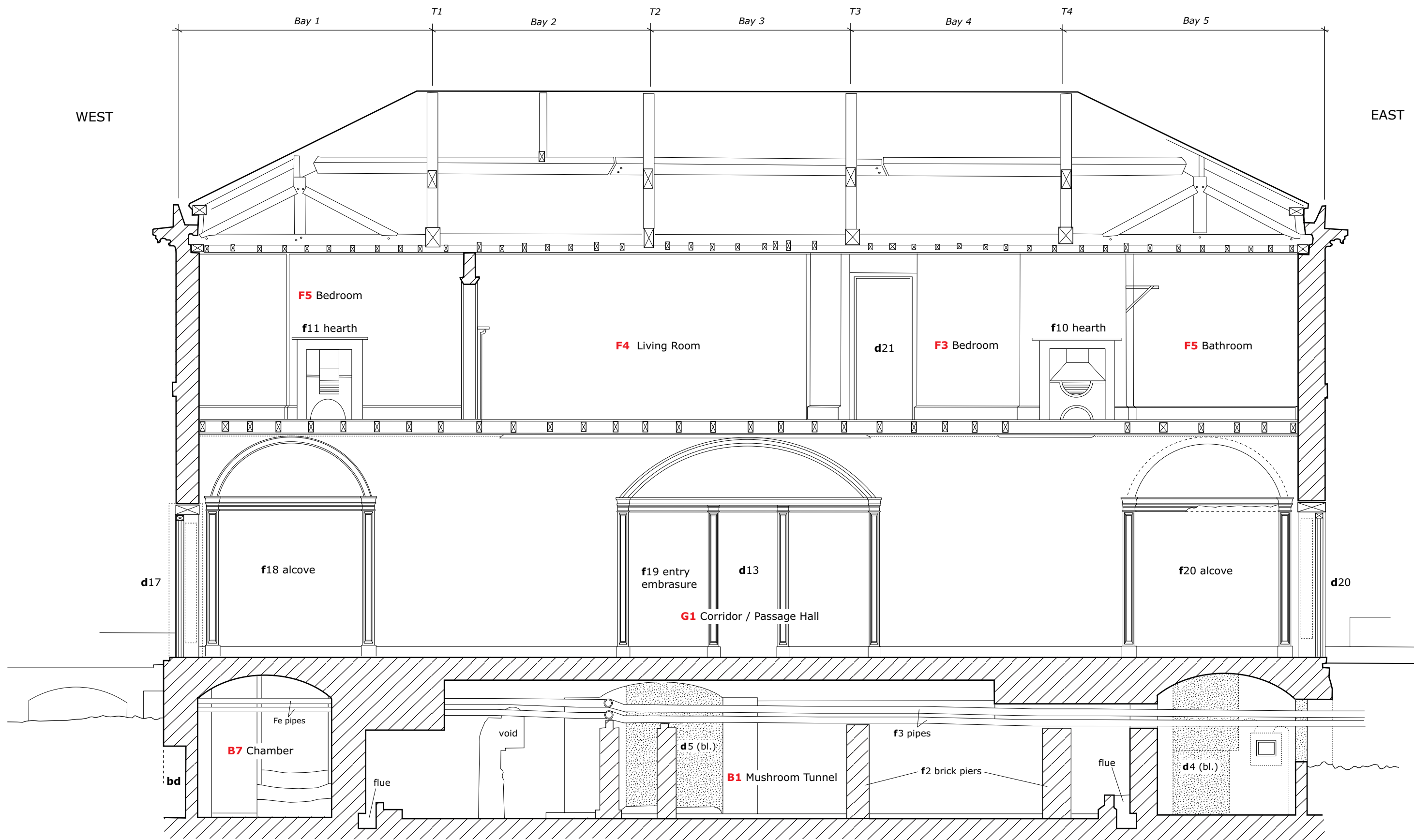
PHASE I: 1805/6

SOUTH

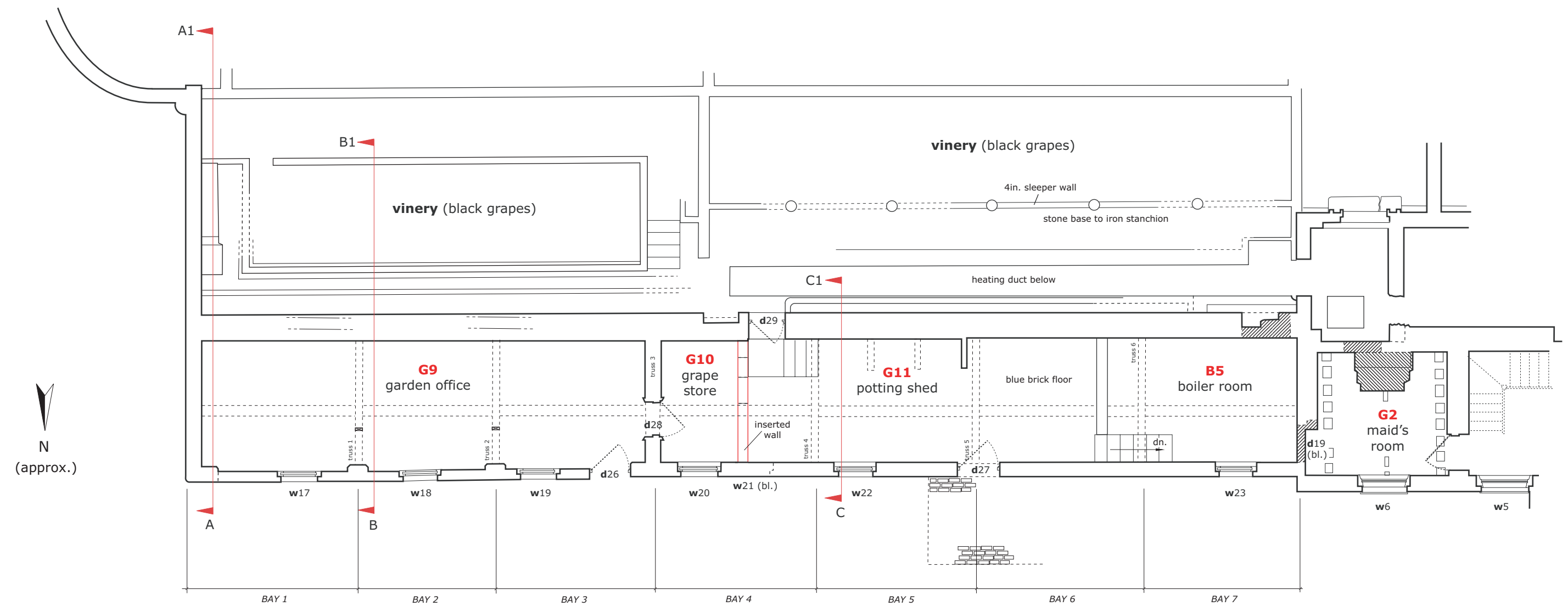
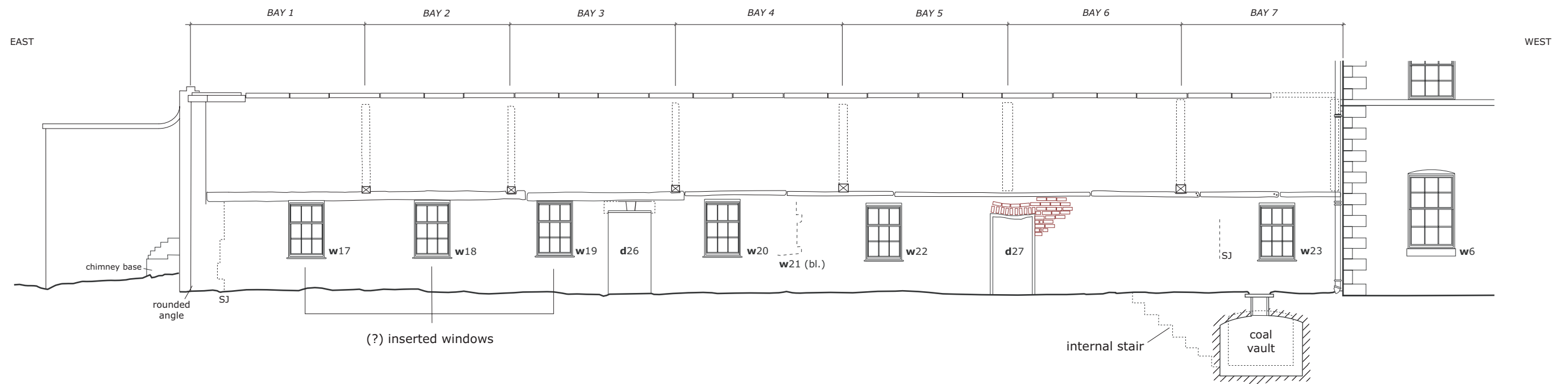


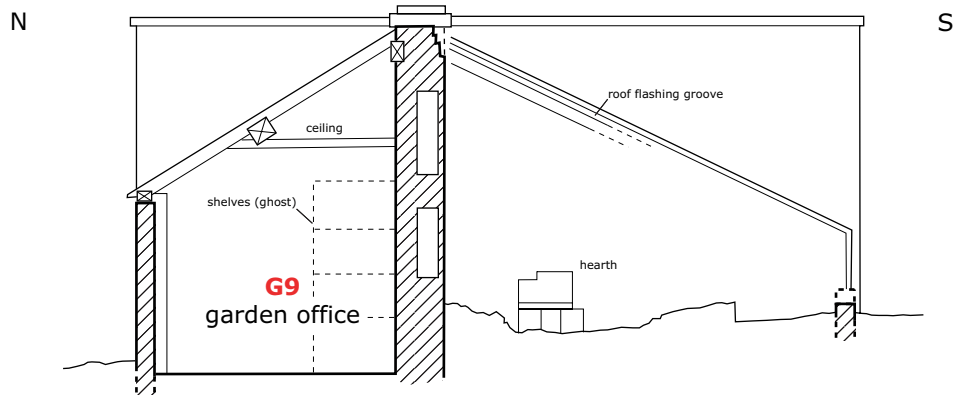
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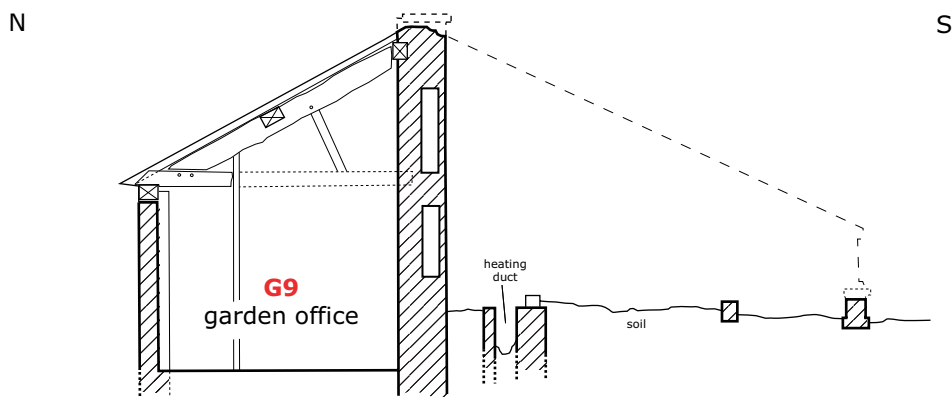


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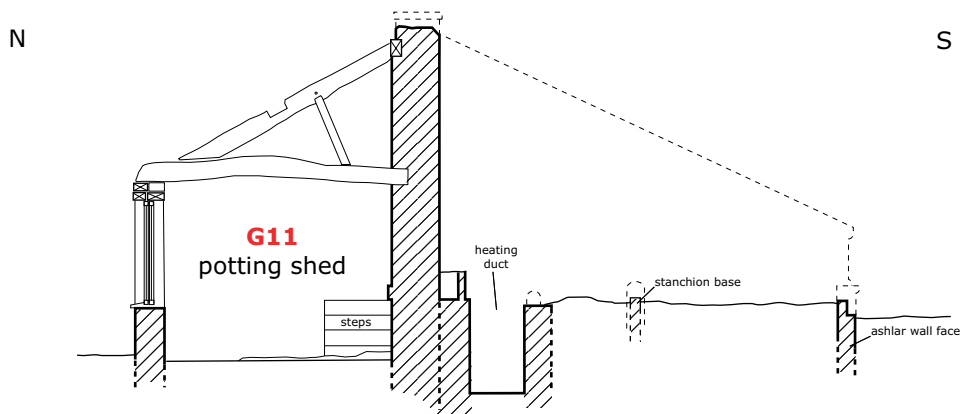




(a) Cross-section at A-A1

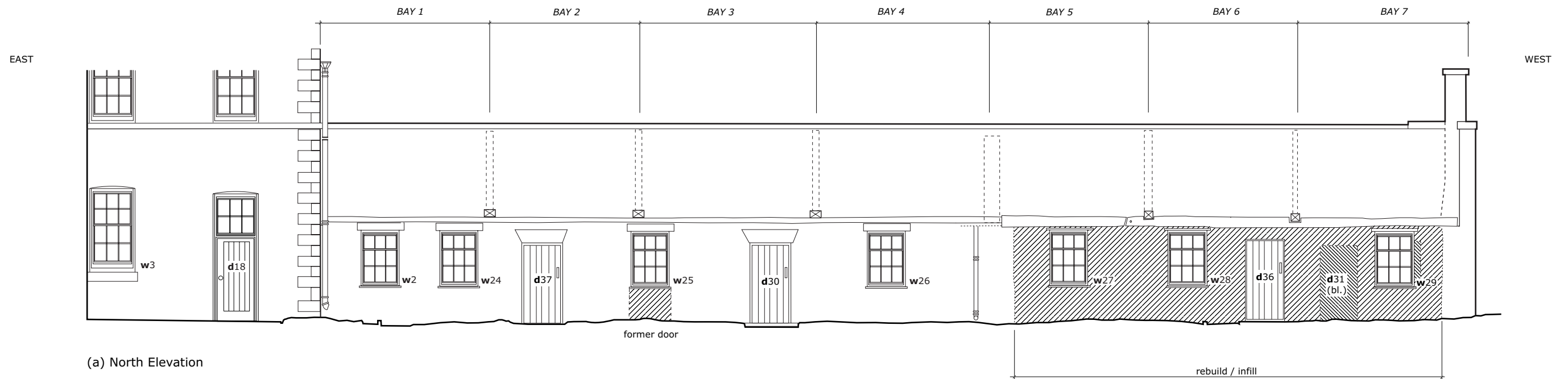


(b) Cross-section at B-B1

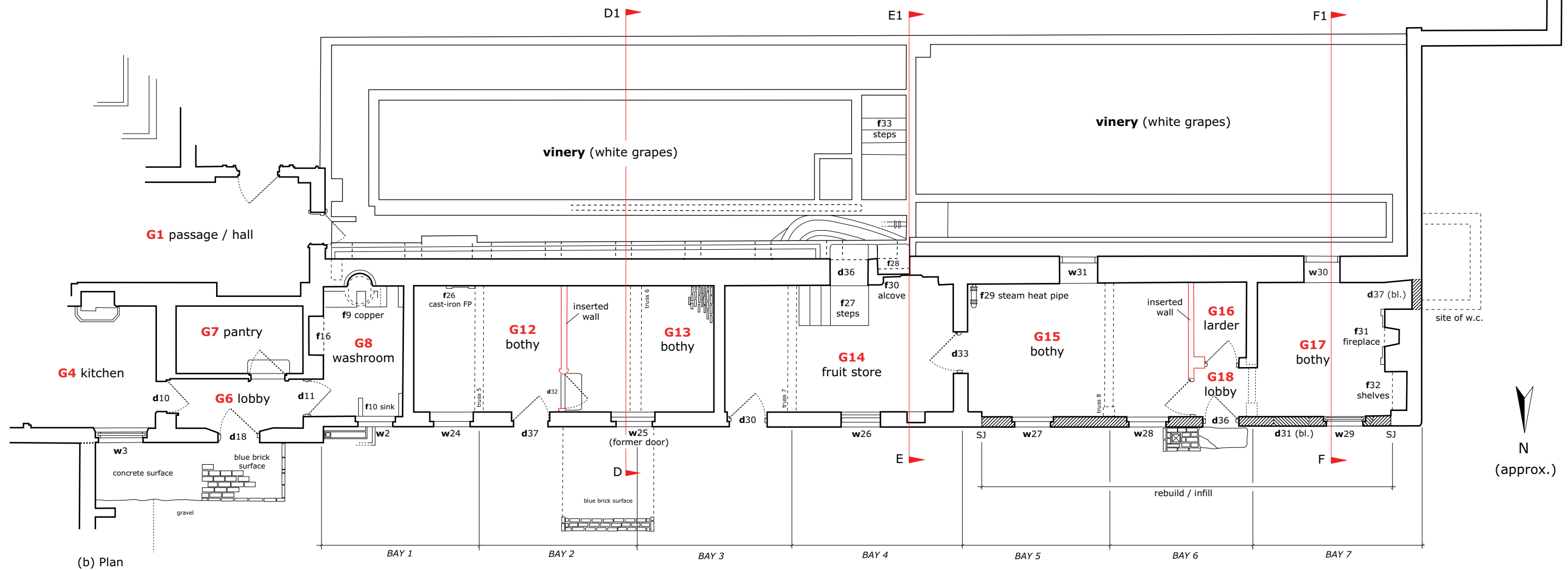


(c) Cross-section at C-C1

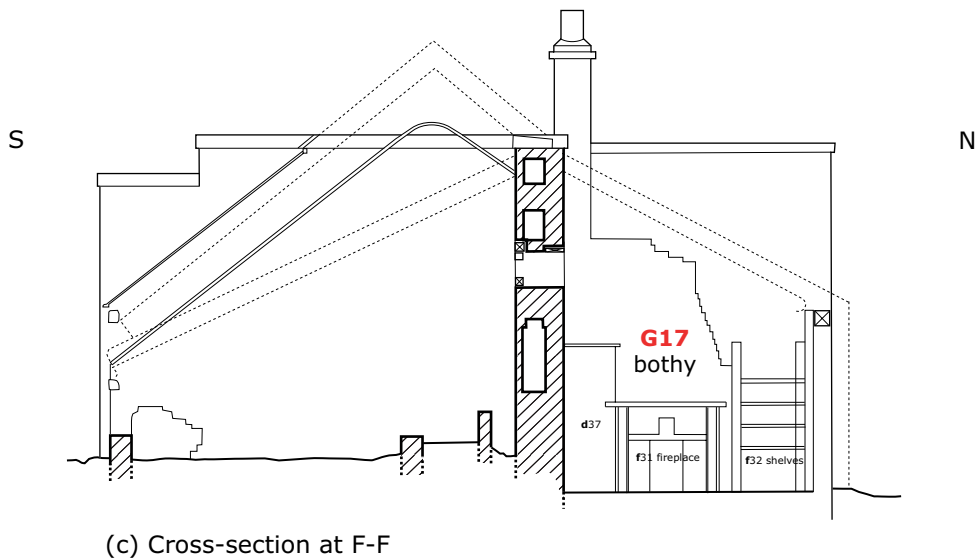
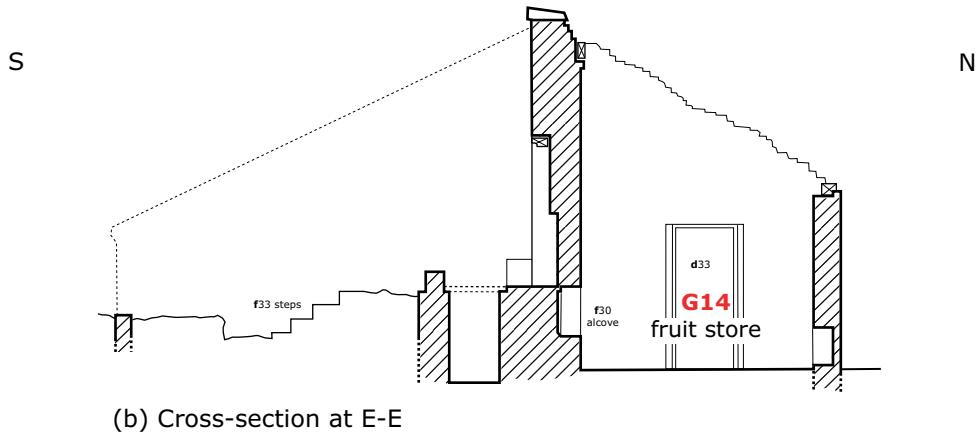
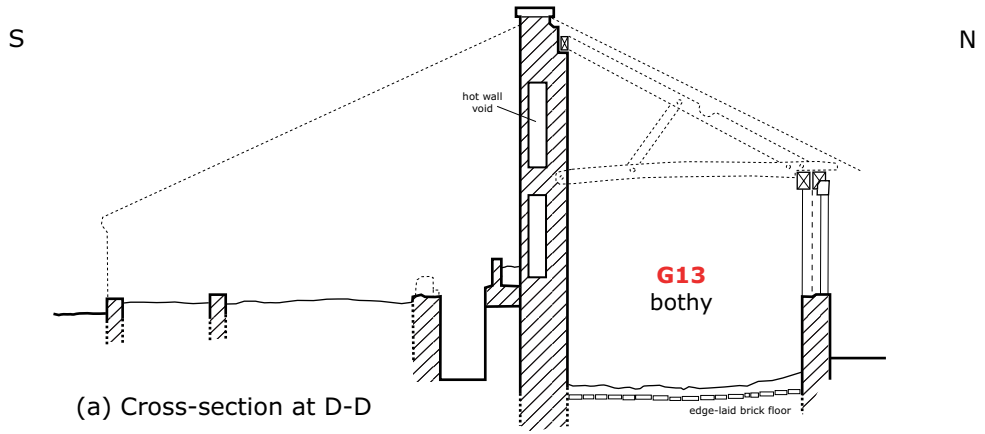
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Scale 1:100 @ A4



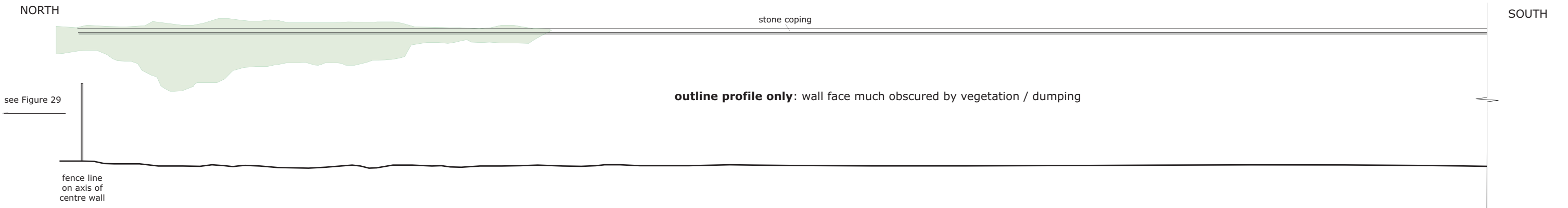
(a) North Elevation



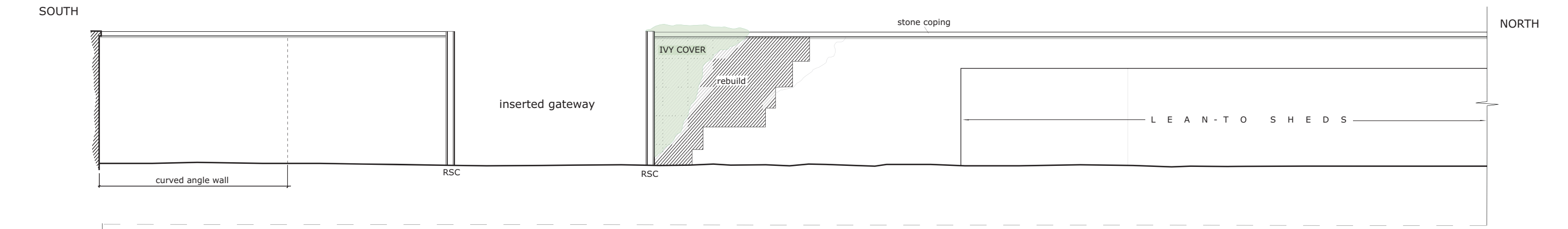
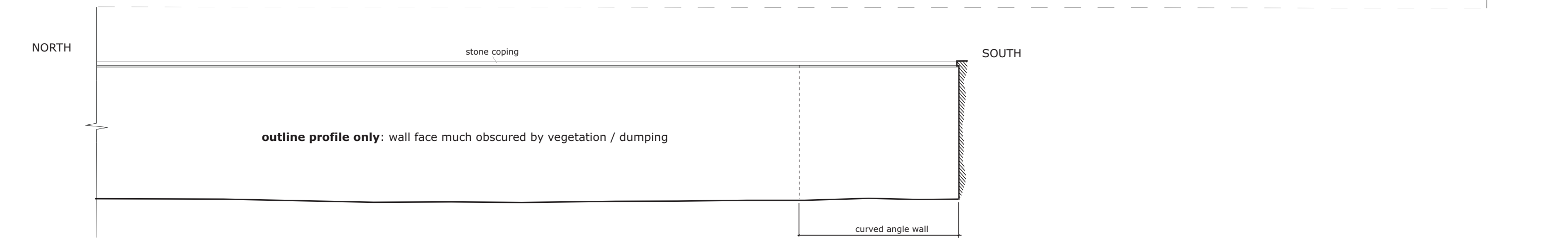
(b) Plan



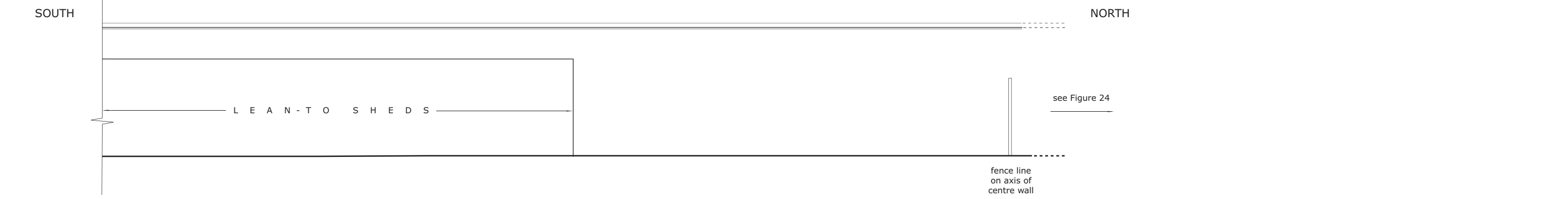
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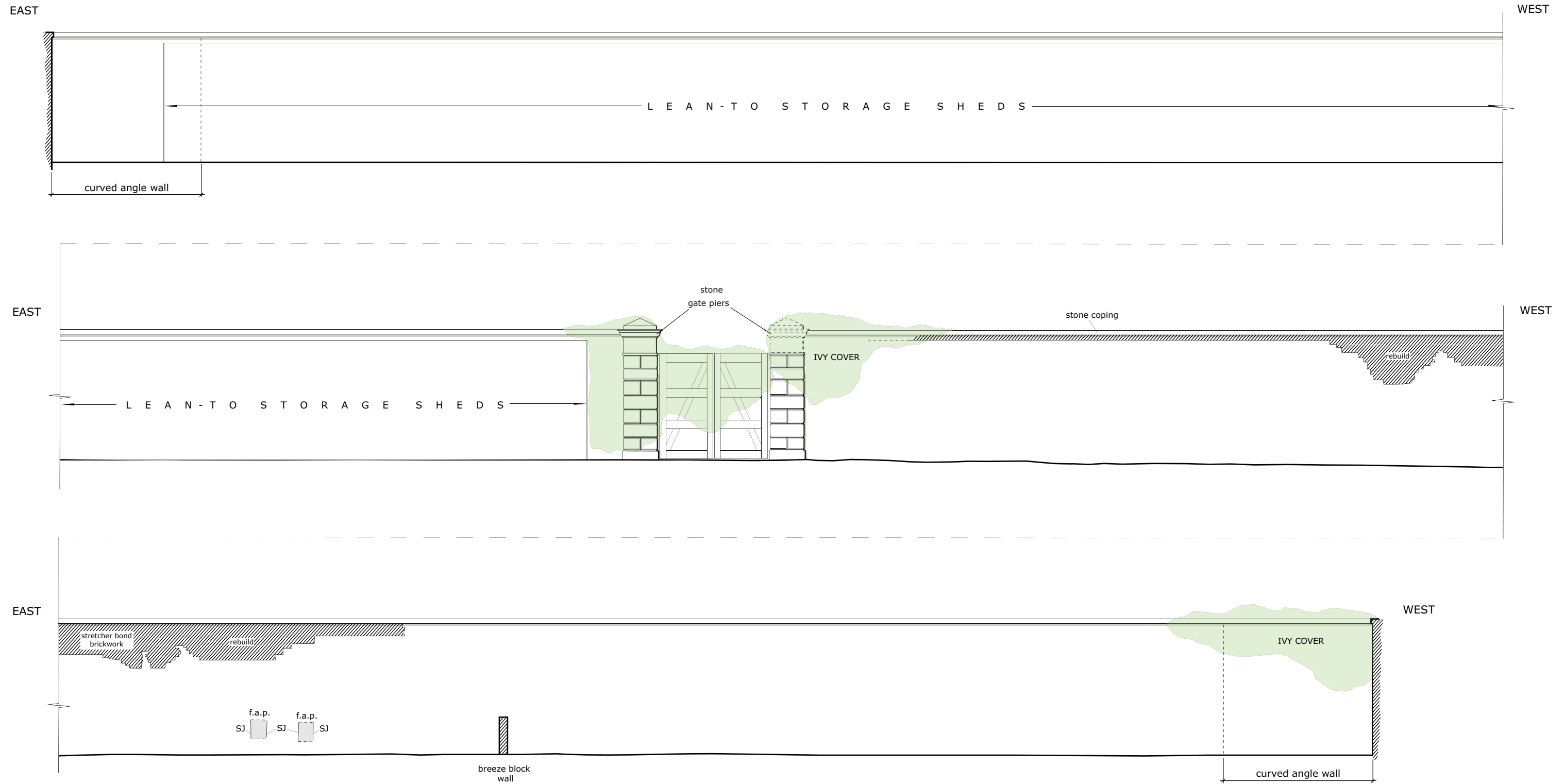


(a) East Wall



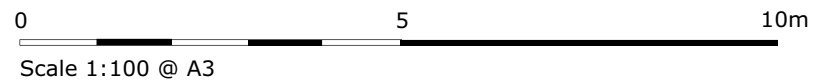
(b) West Wall

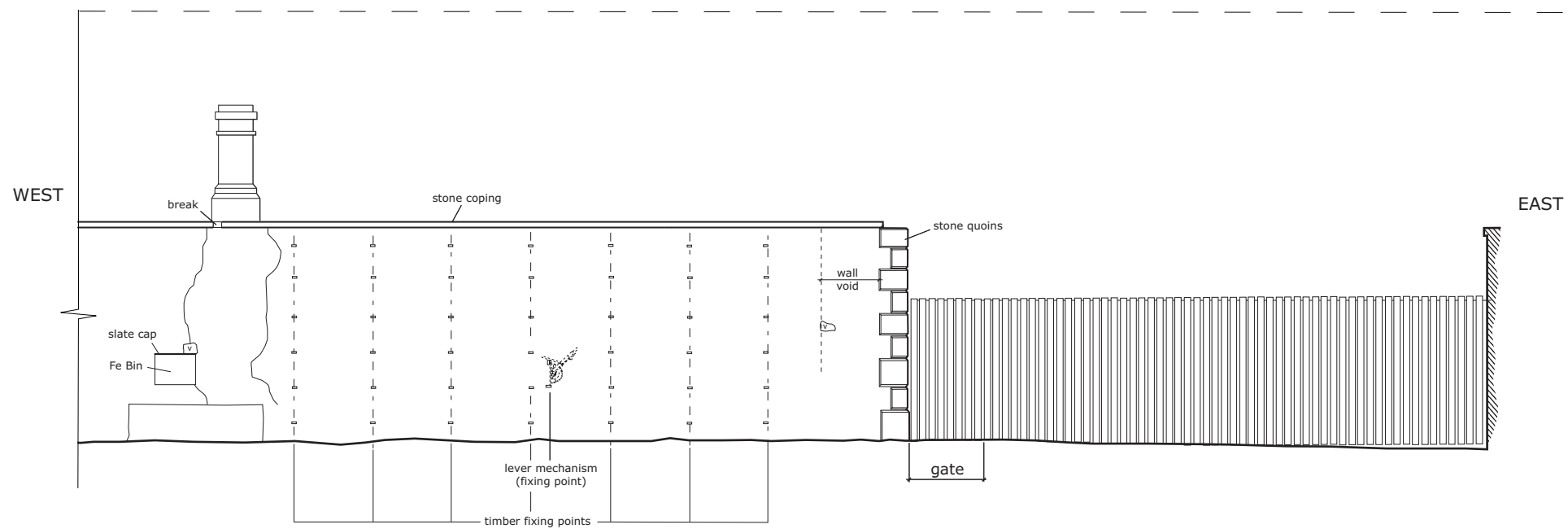
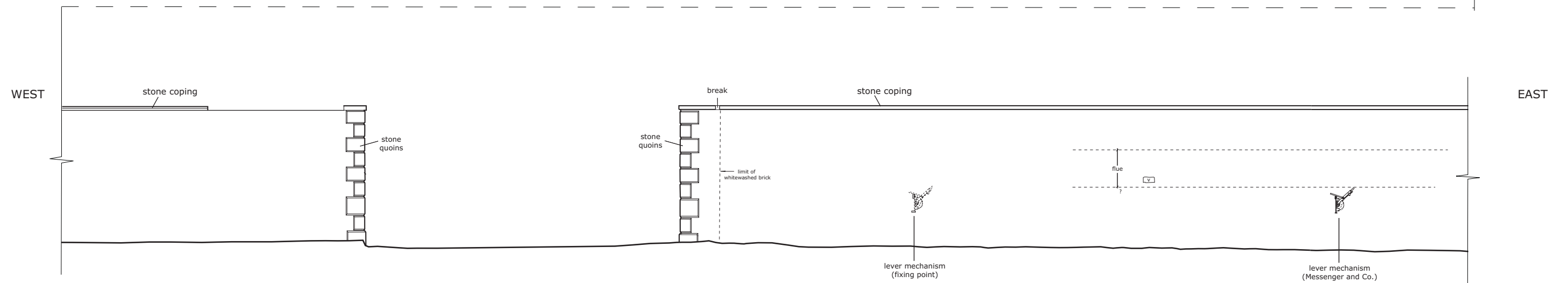
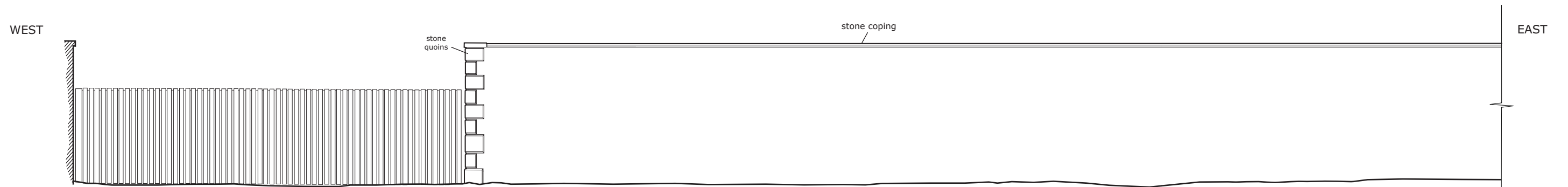




KEY

V void
 SJ straight joint
 f.a.p. flue access point





KEY

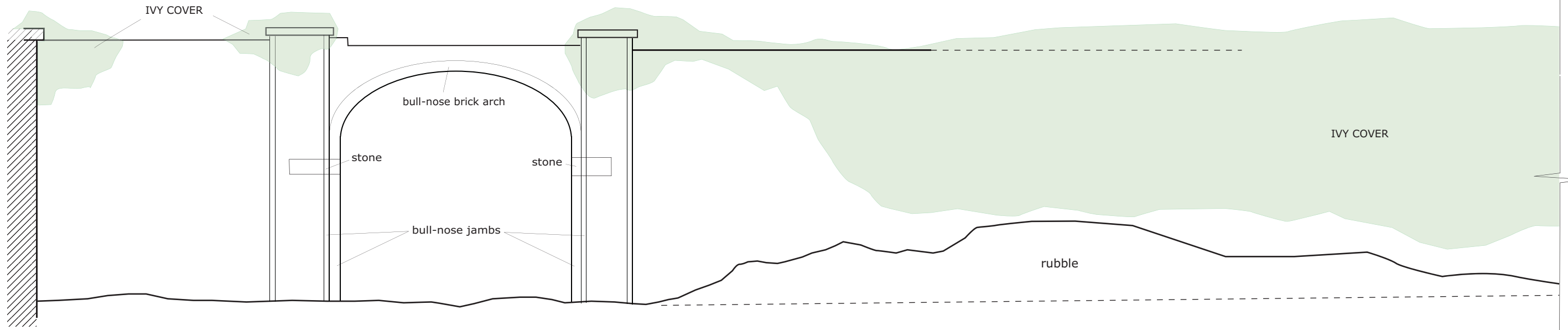
v void

SJ straight joint

f.a.p. flue access point

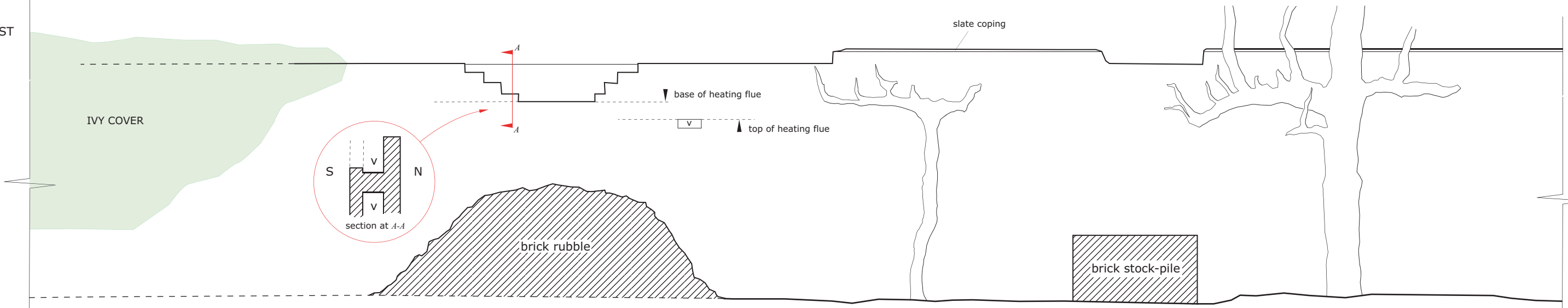
WEST

EAST



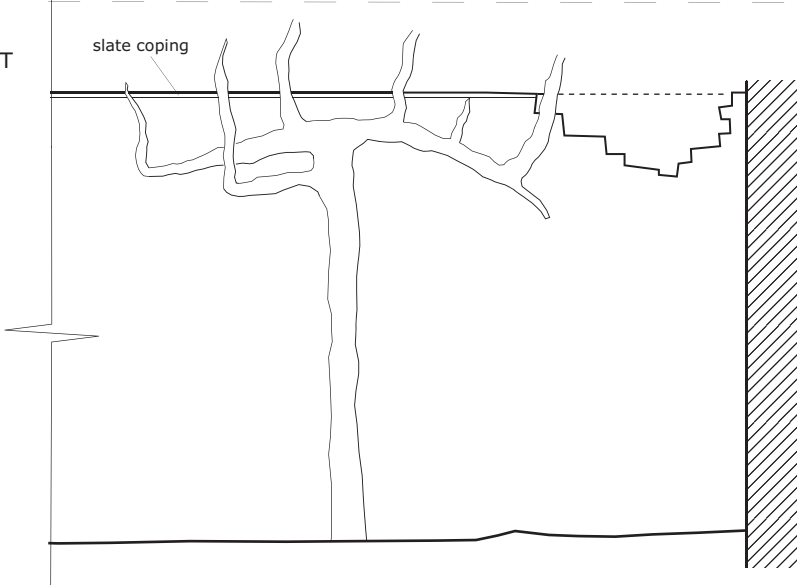
WEST

EAST



WEST

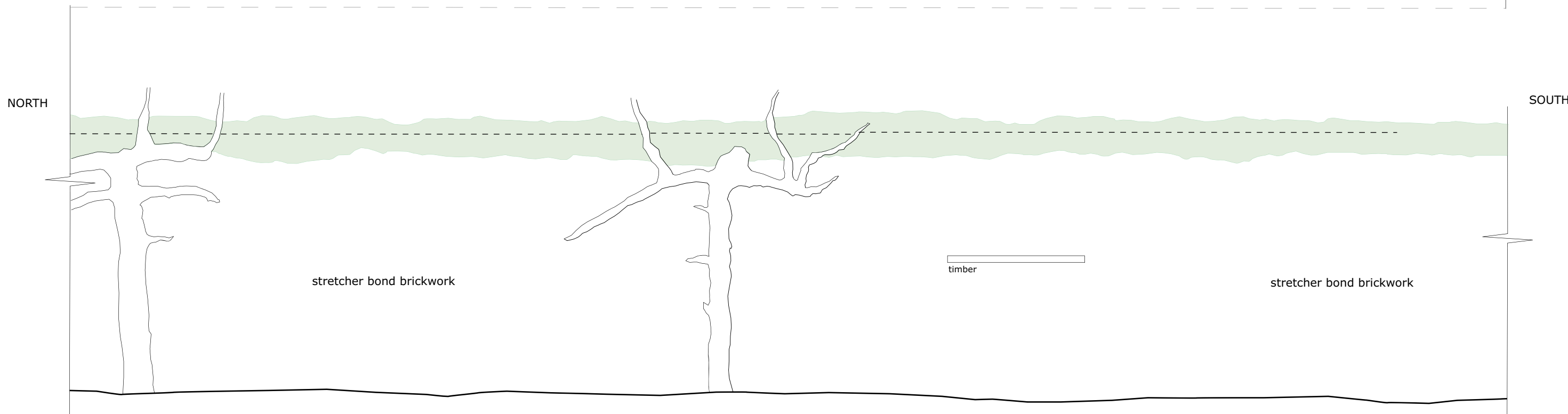
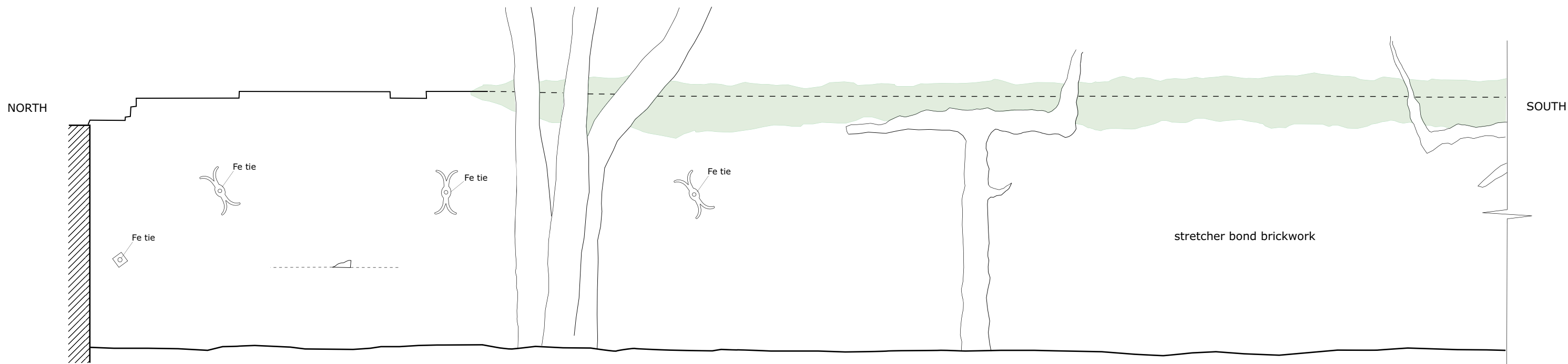
EAST



KEY

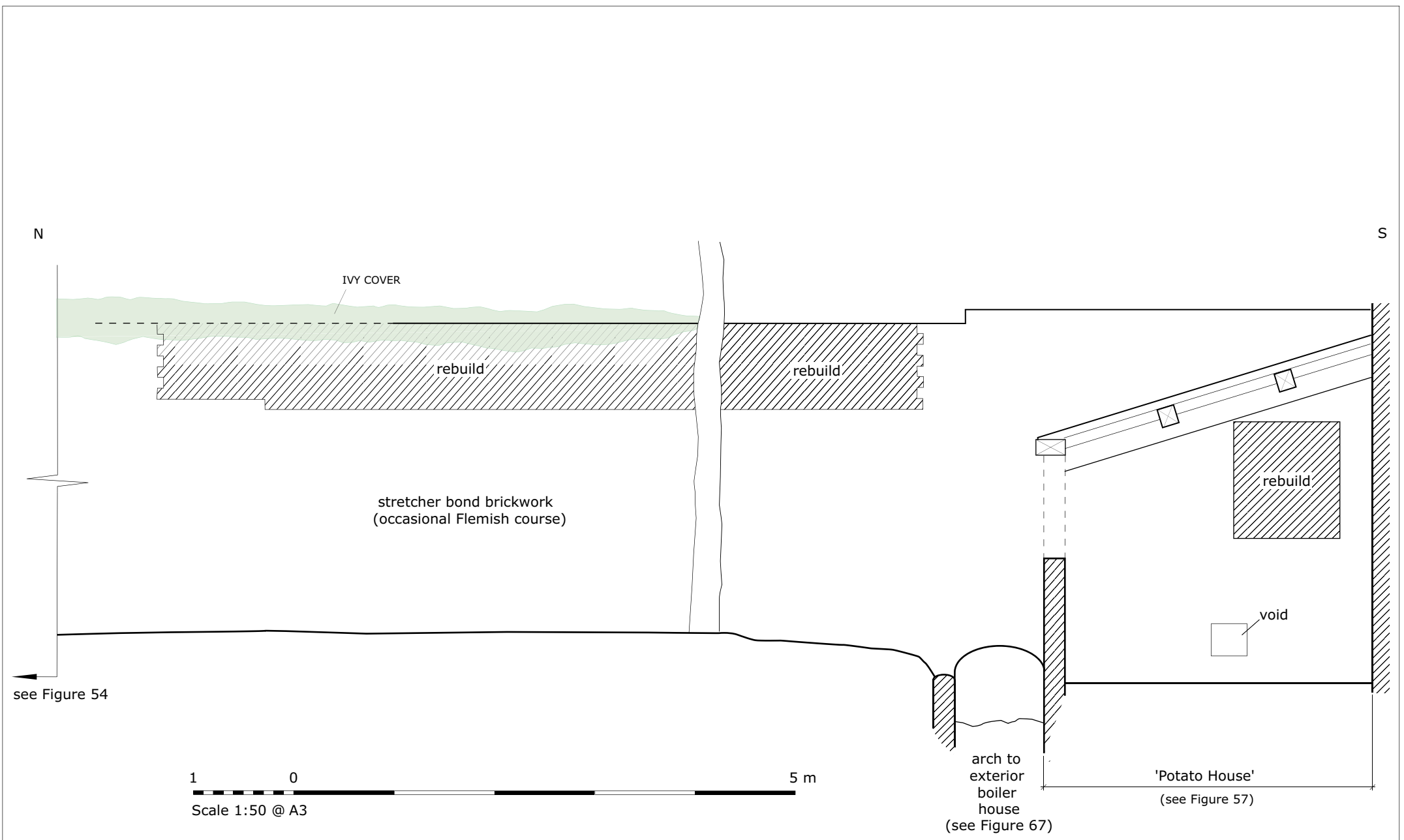
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- SJ straight joint
- f.a.p. flue access point

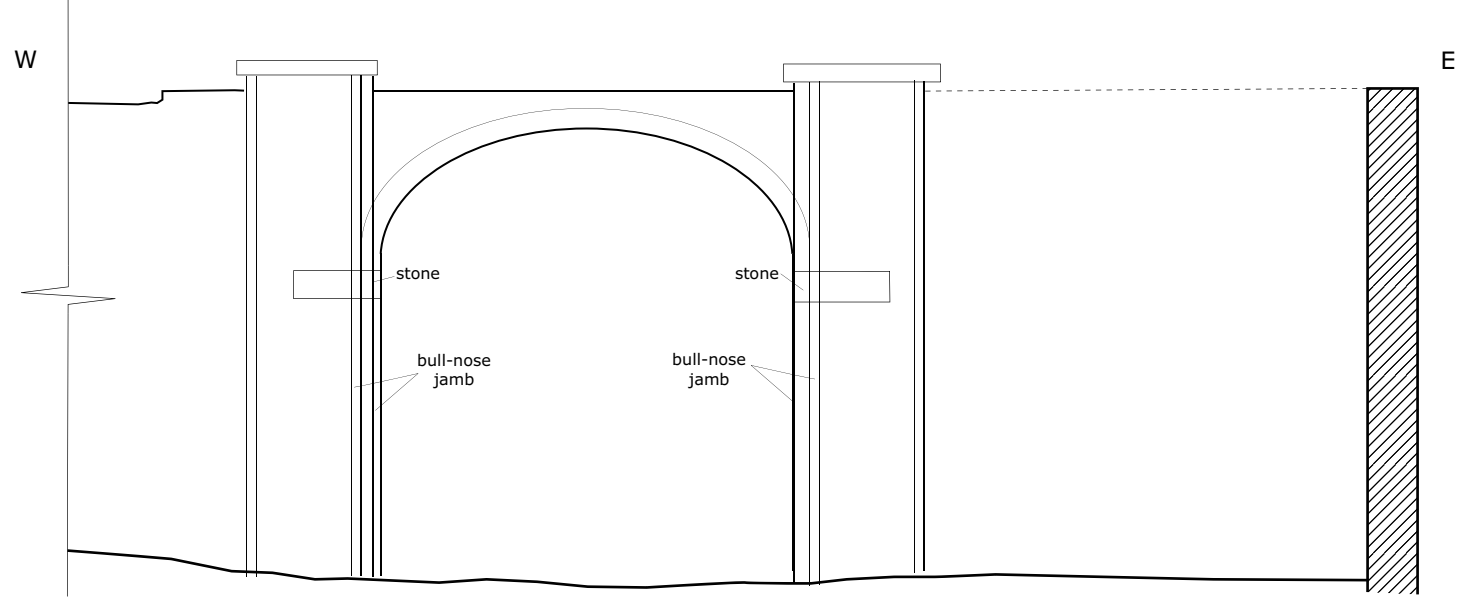
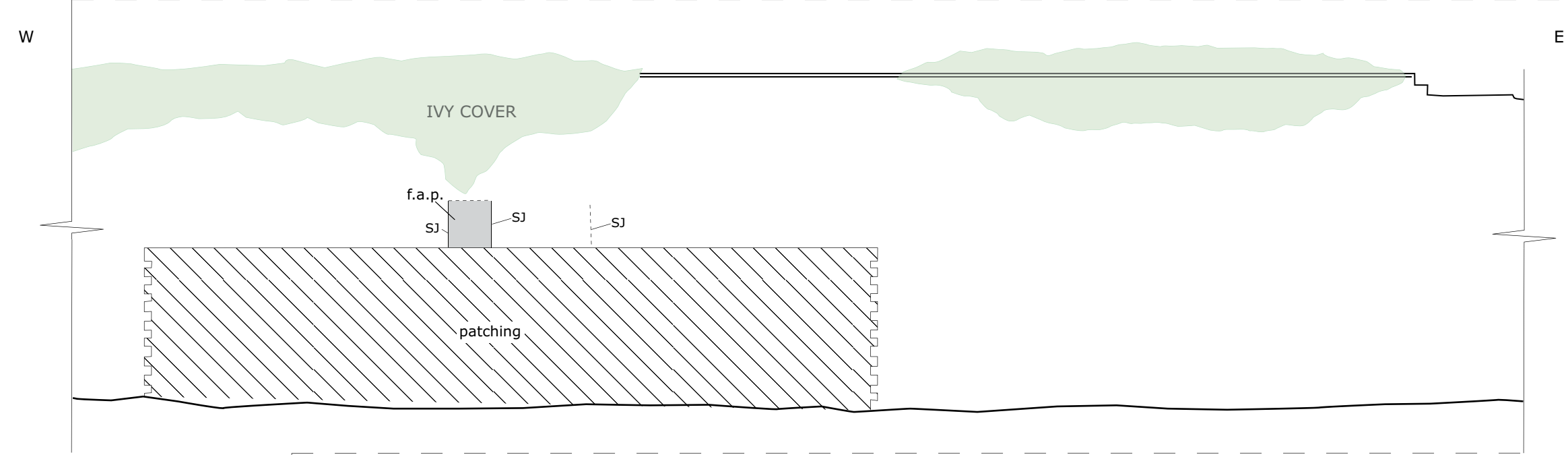
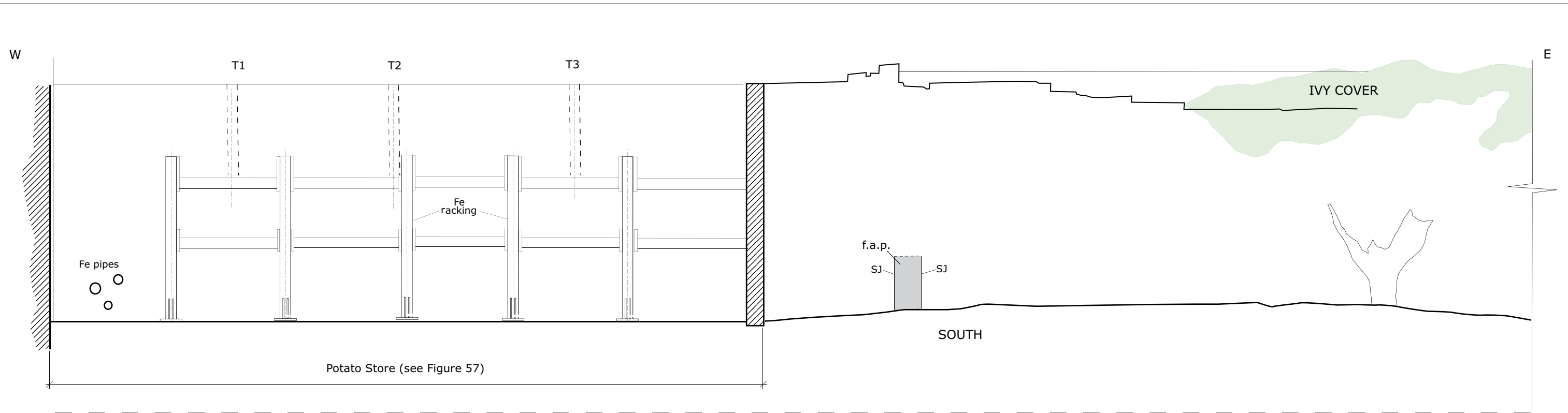




see Figure 55

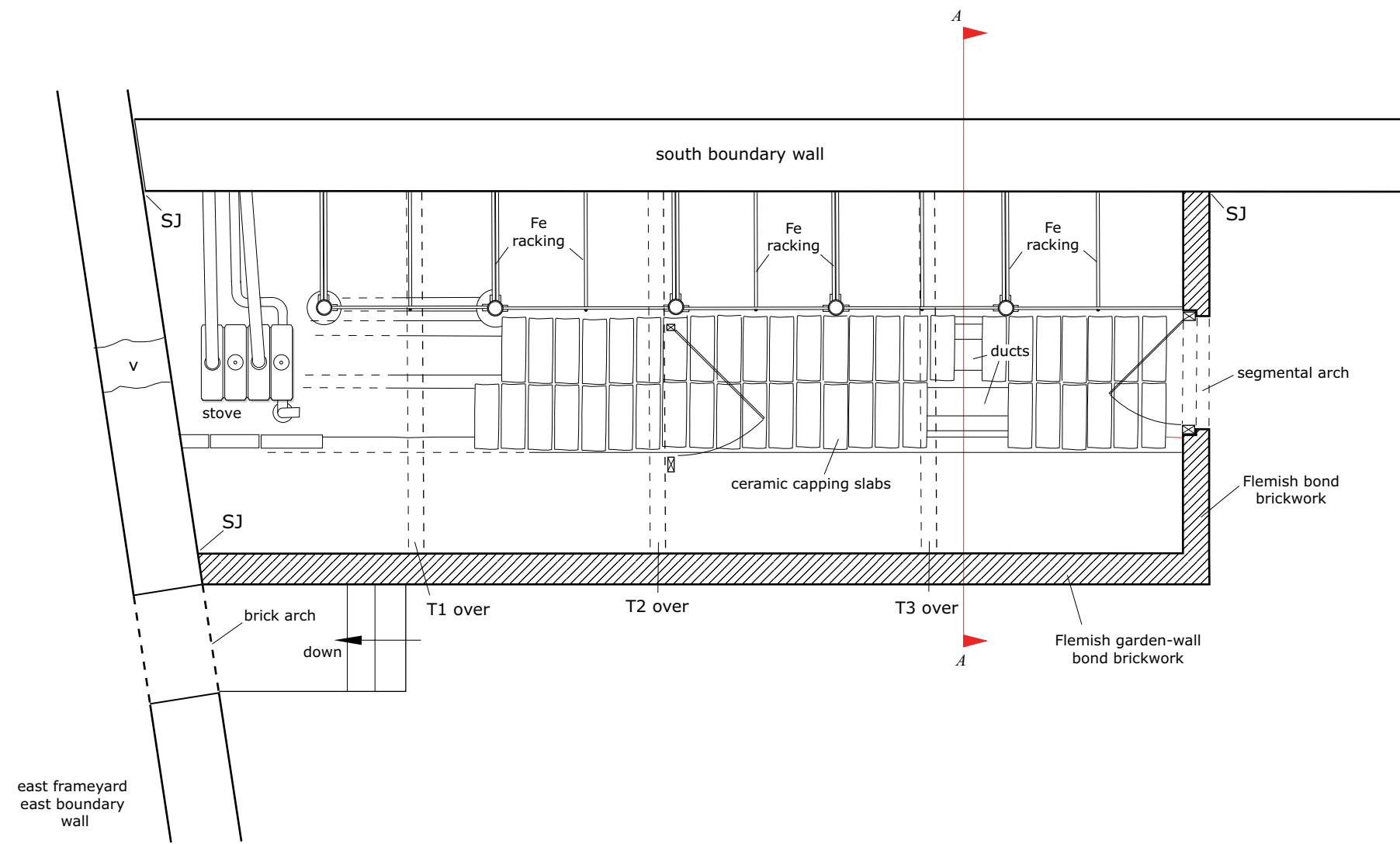






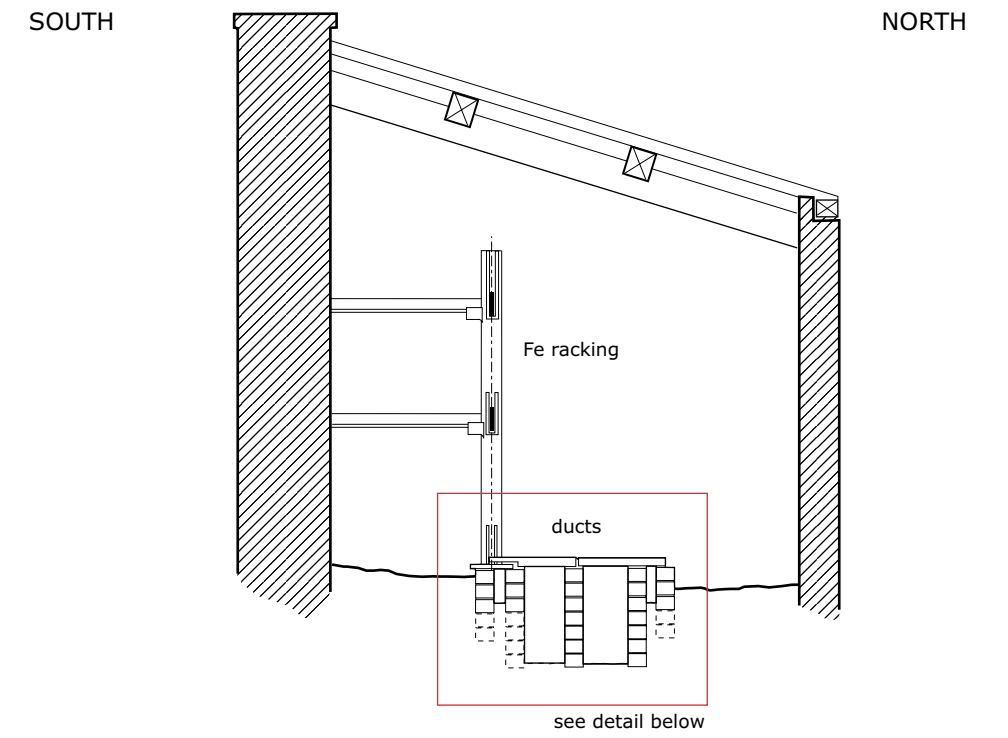
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 f.a.p. flue access point



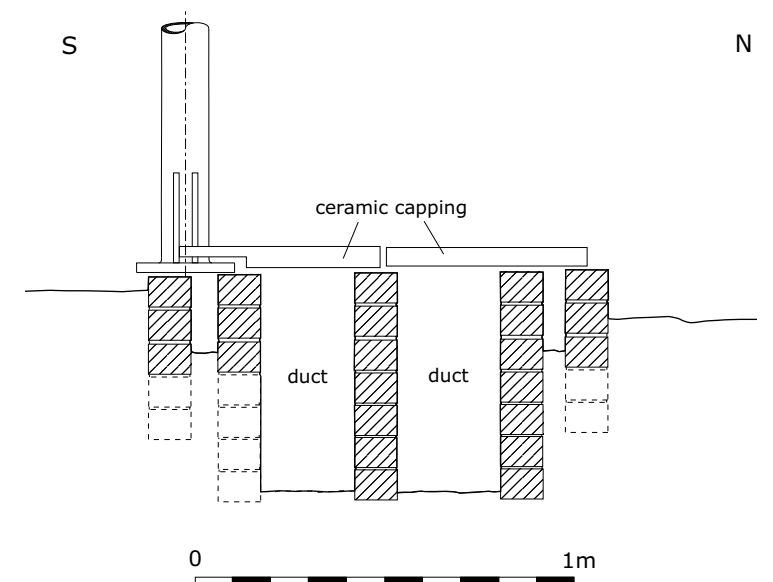


(a) Ground Plan

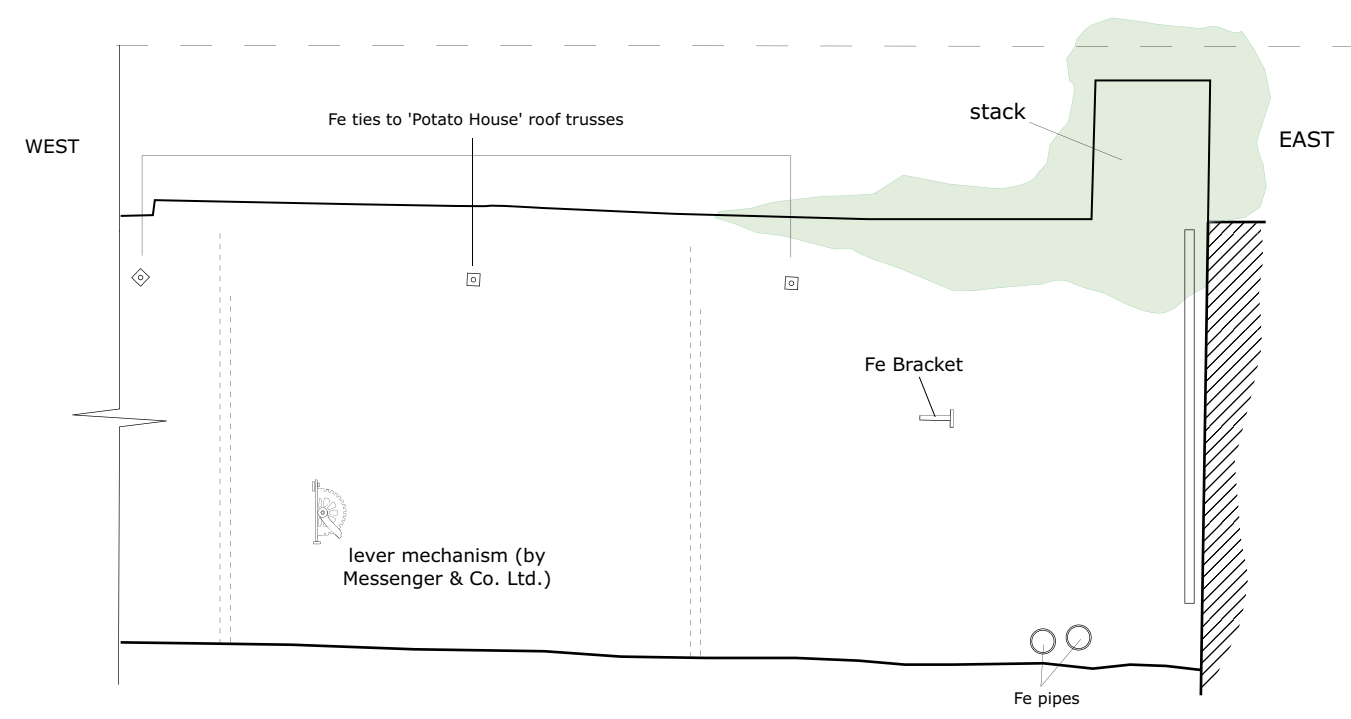
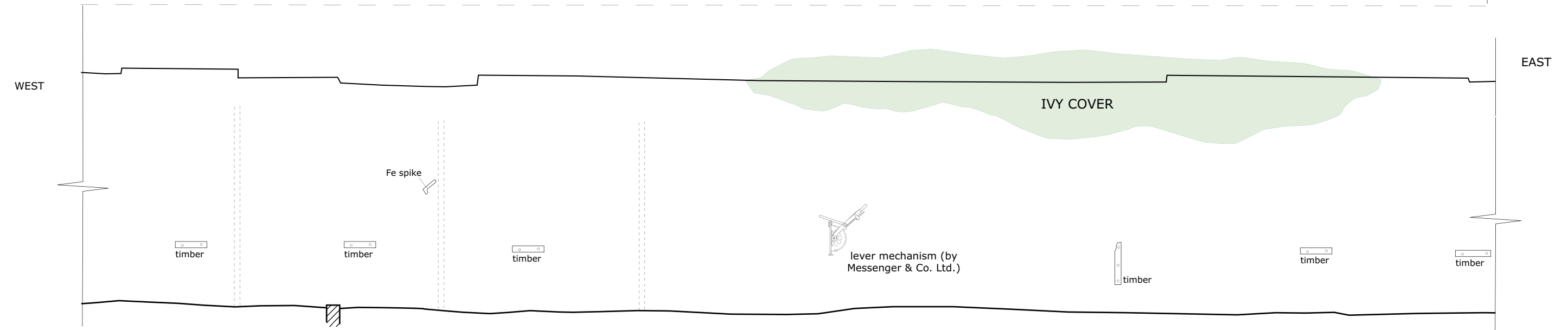
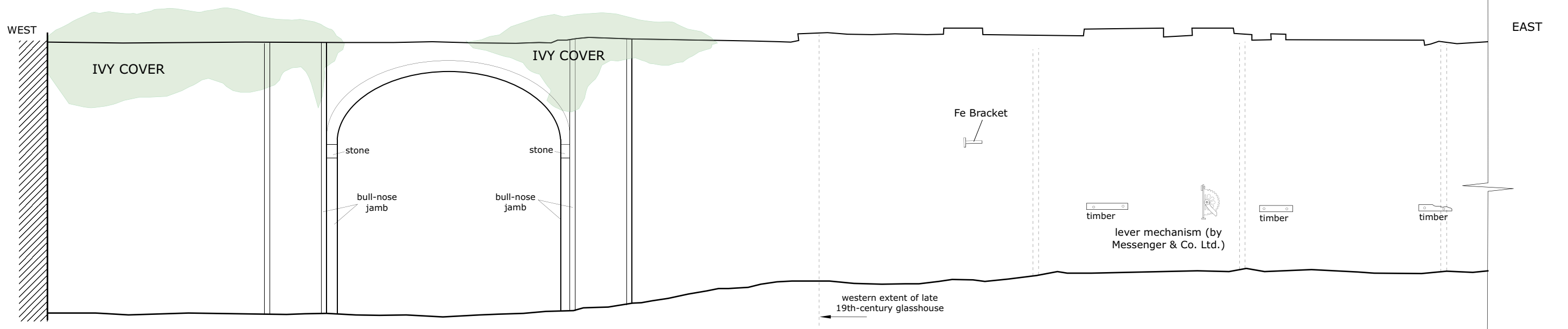
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Scale 1:50 @ A3

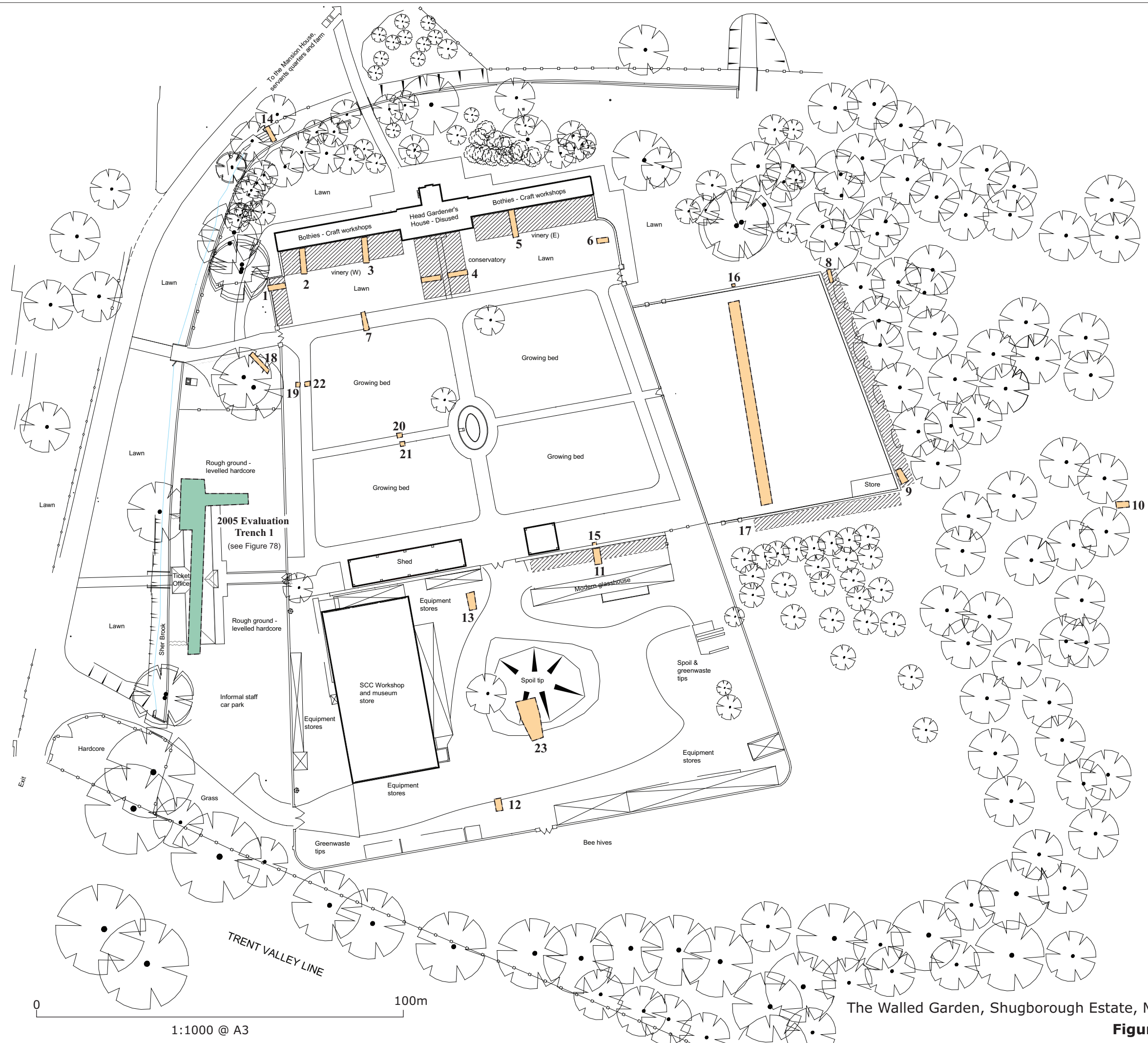


(b) Transverse cross-section at A-A

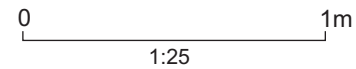
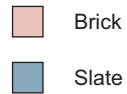
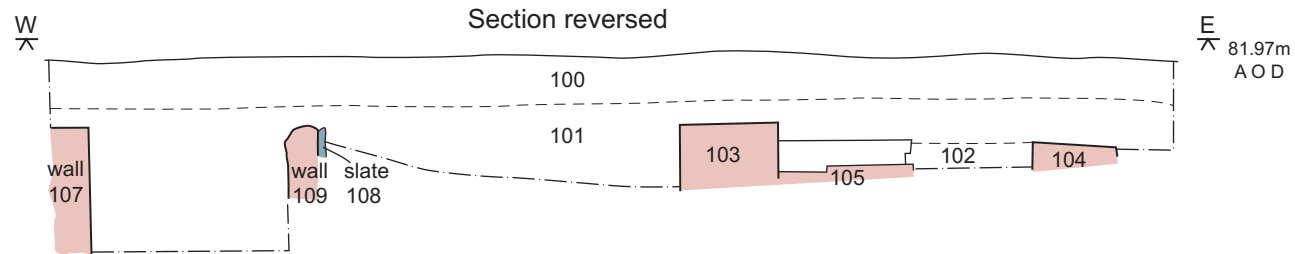
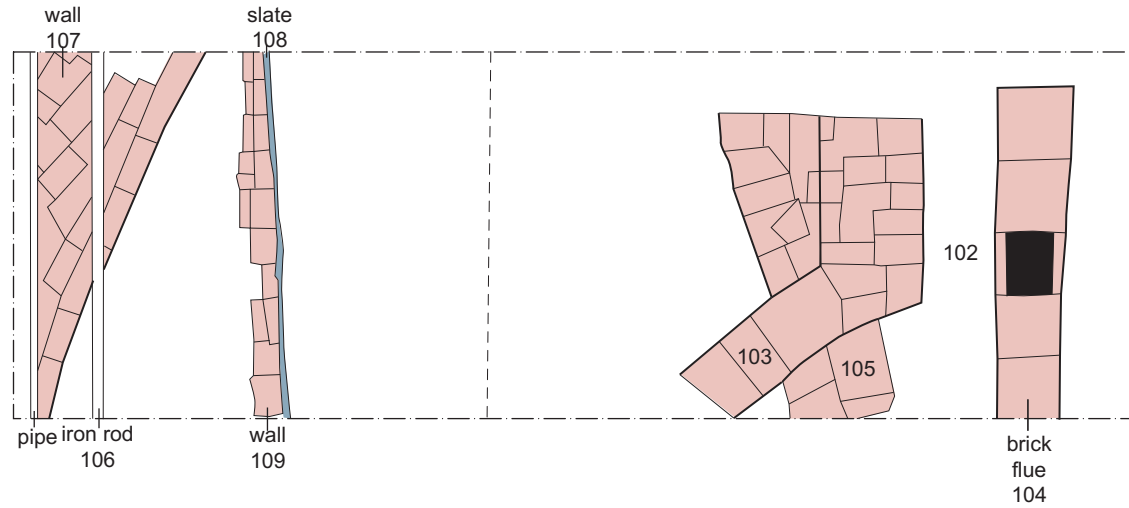


(c) Detail of sub-floor ducts

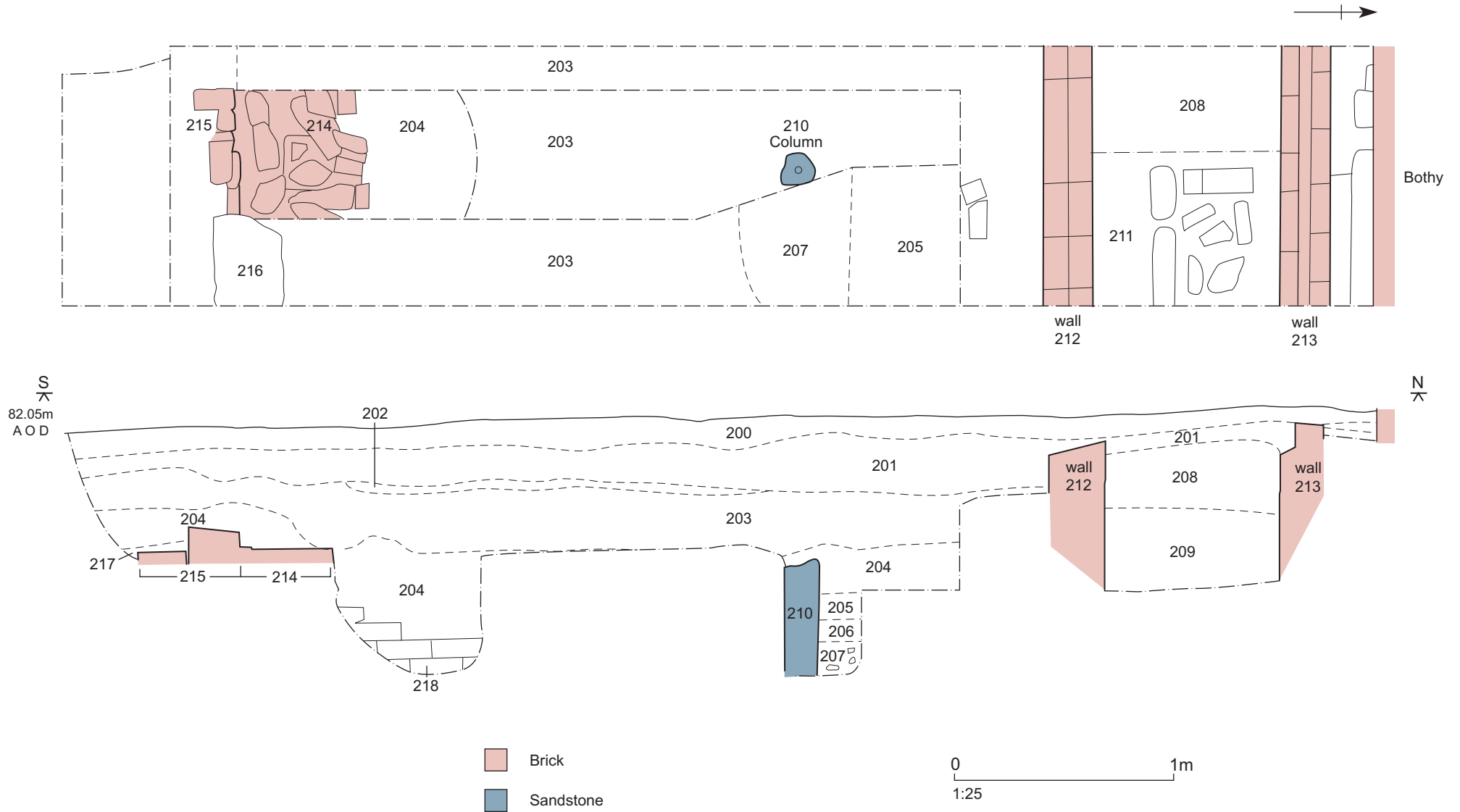




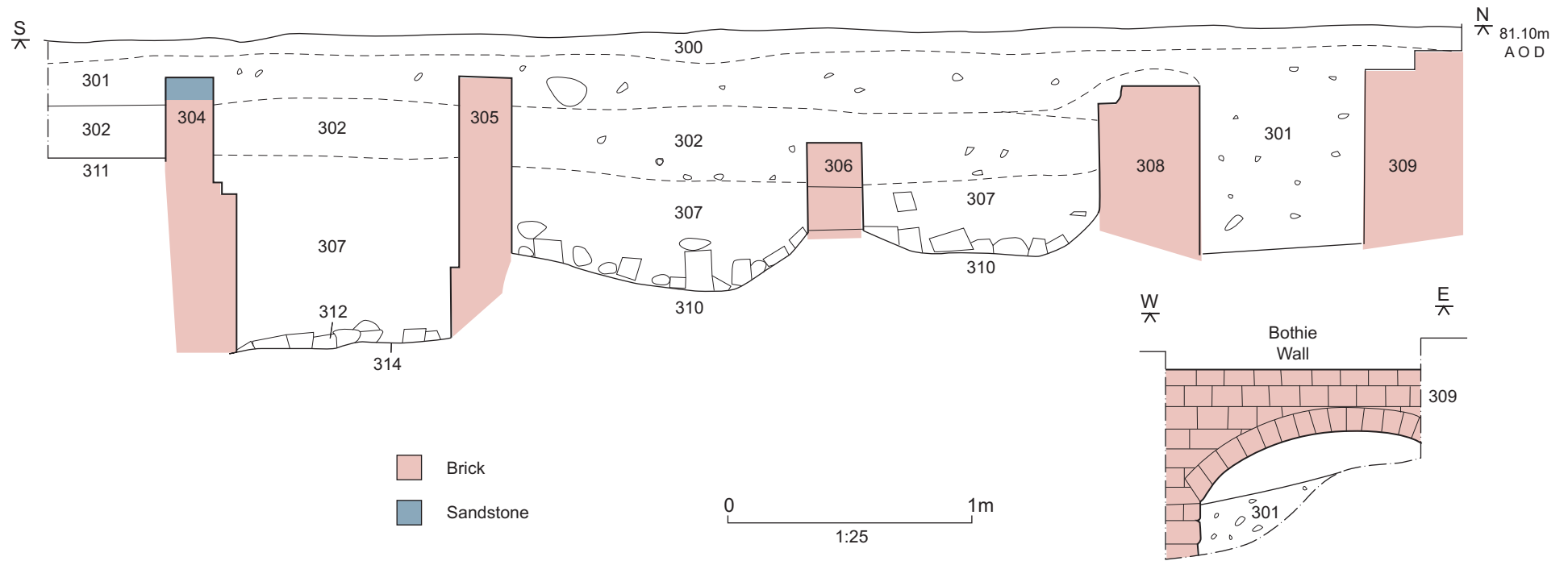
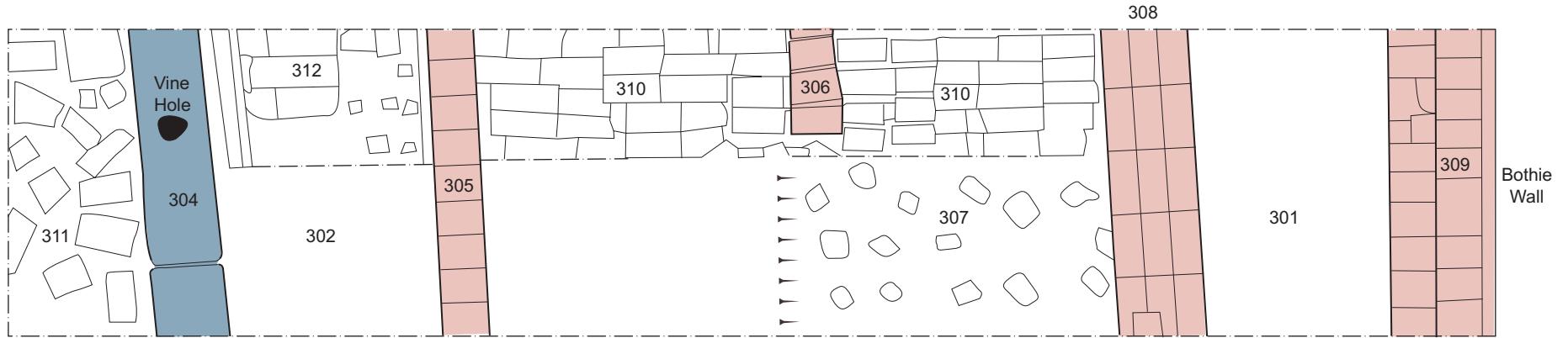
Trench 1 - Northwestern Greenhouse



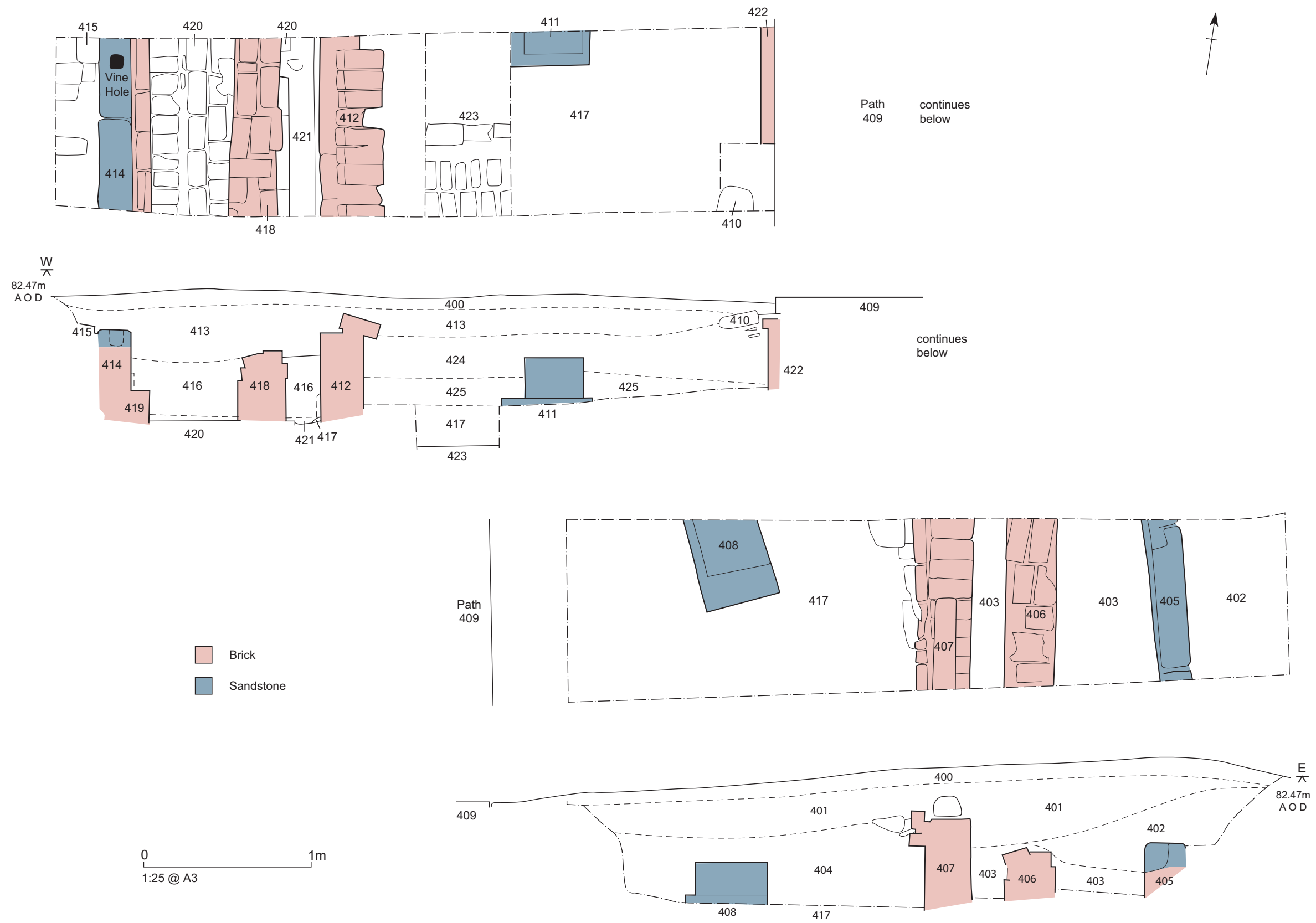
Trench 2 - Western Vinery



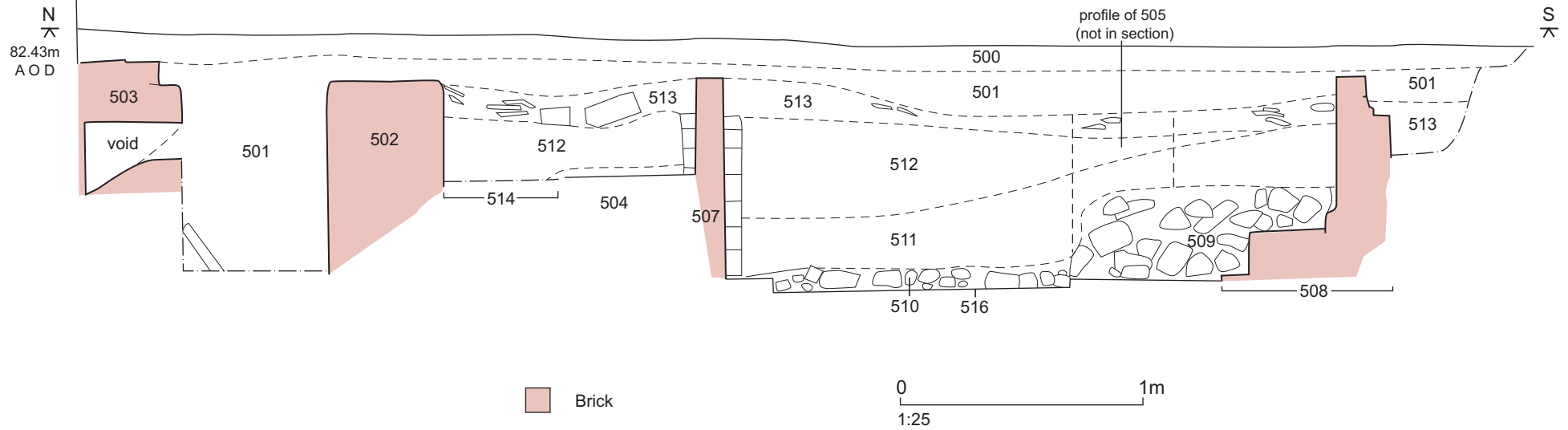
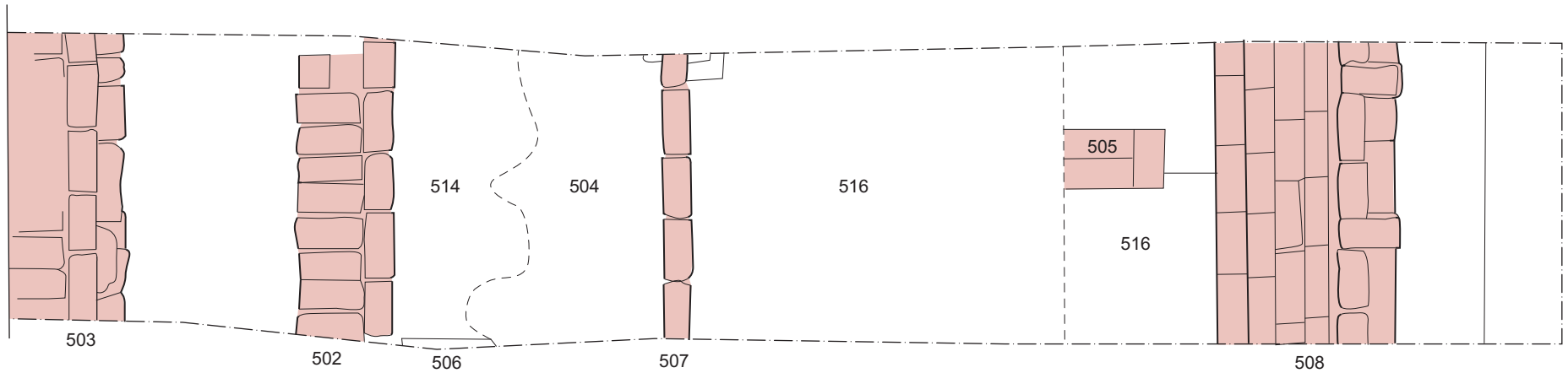
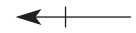
Trench 3 - Western Vinery



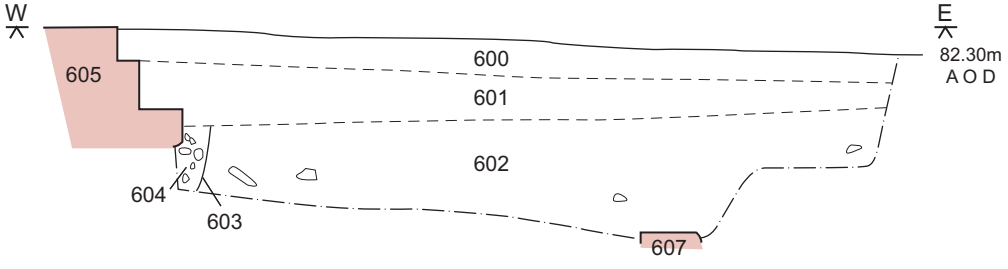
Trench 4 - Conservatory



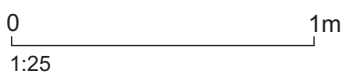
Trench 5 - Eastern Vinery



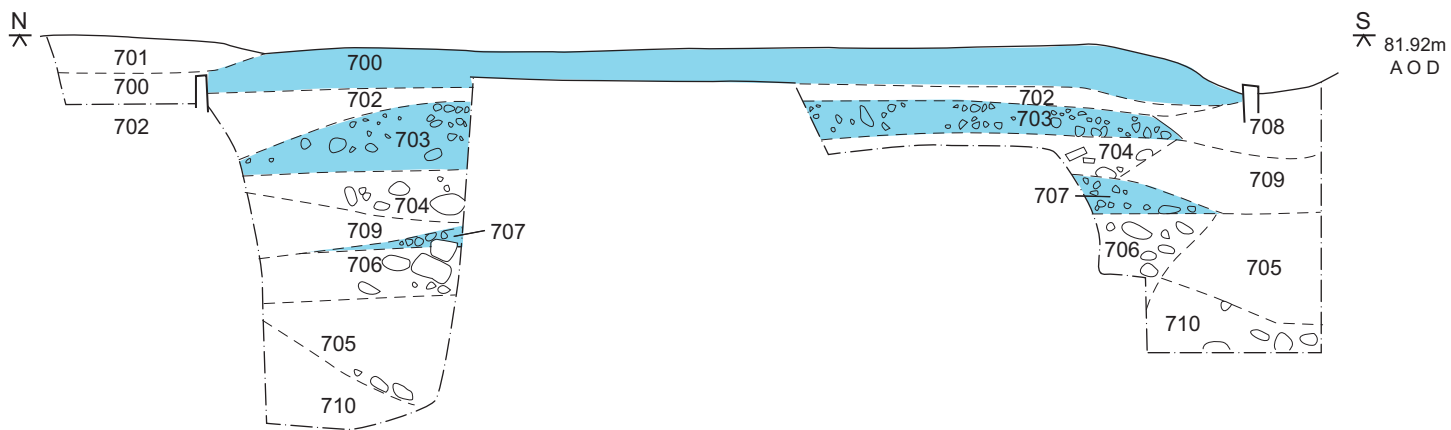
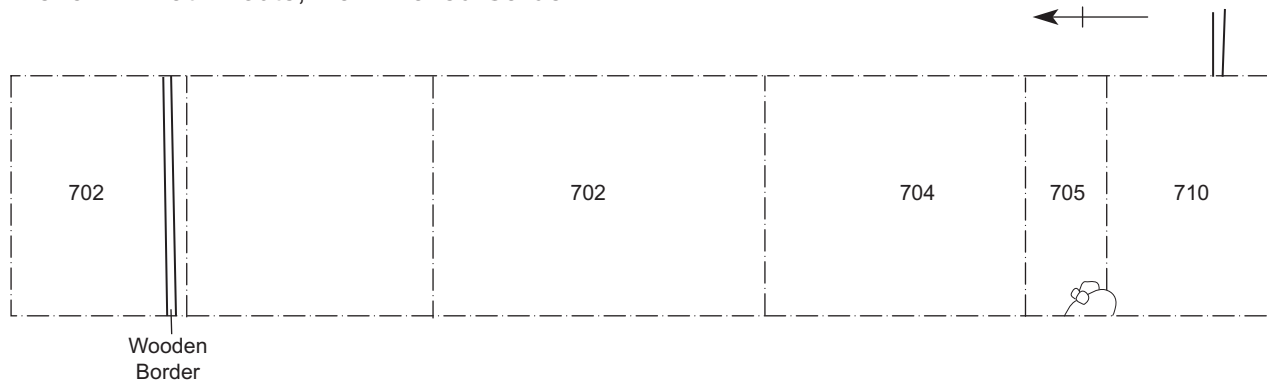
Trench 6 - Northeastern Greenhouse



Brick



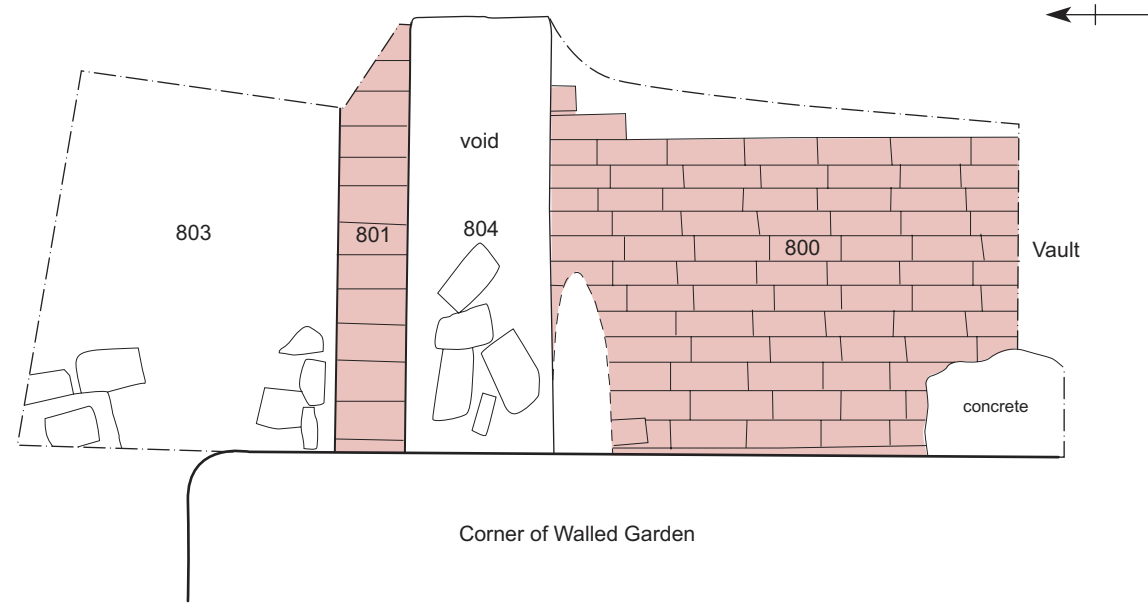
Trench 7 - Path Route, Main Walled Garden



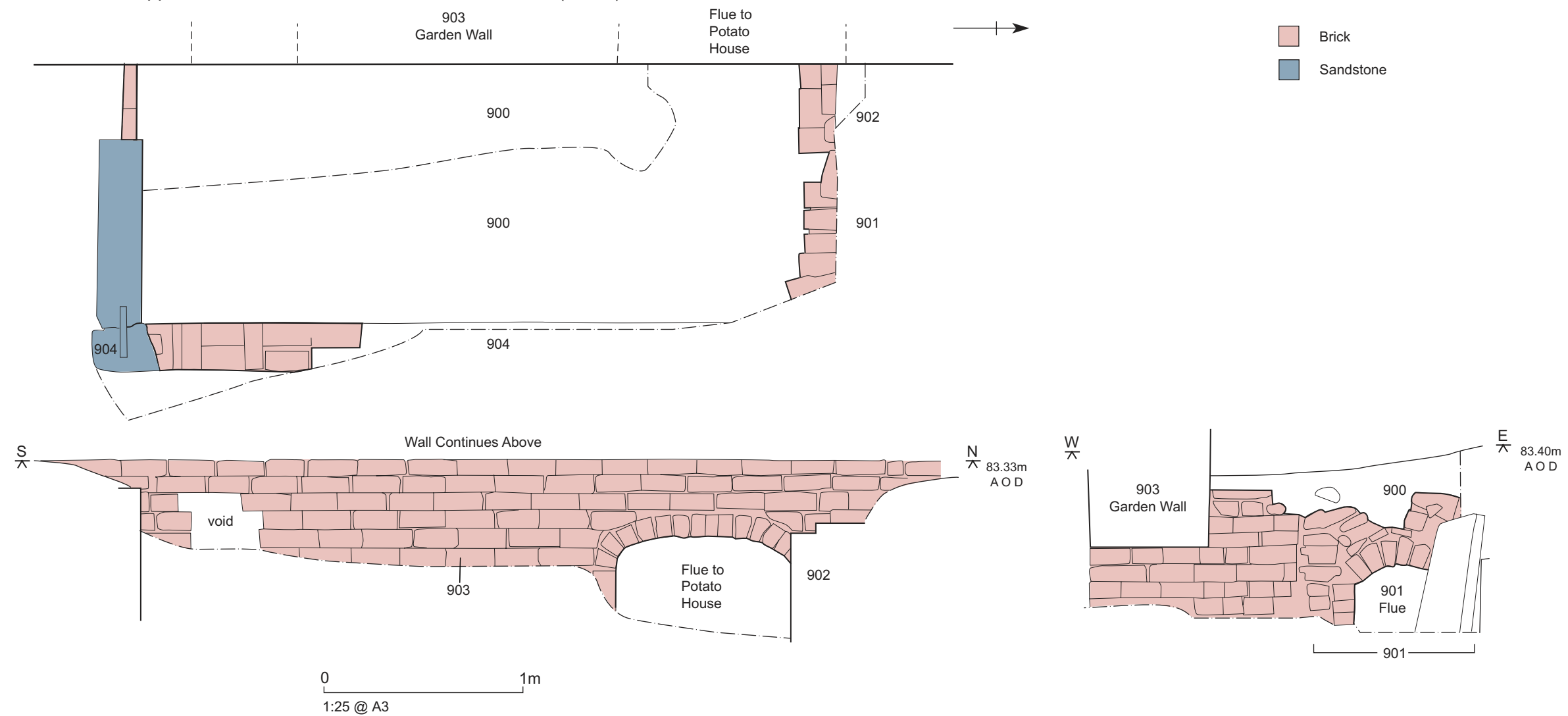
Path Surfaces



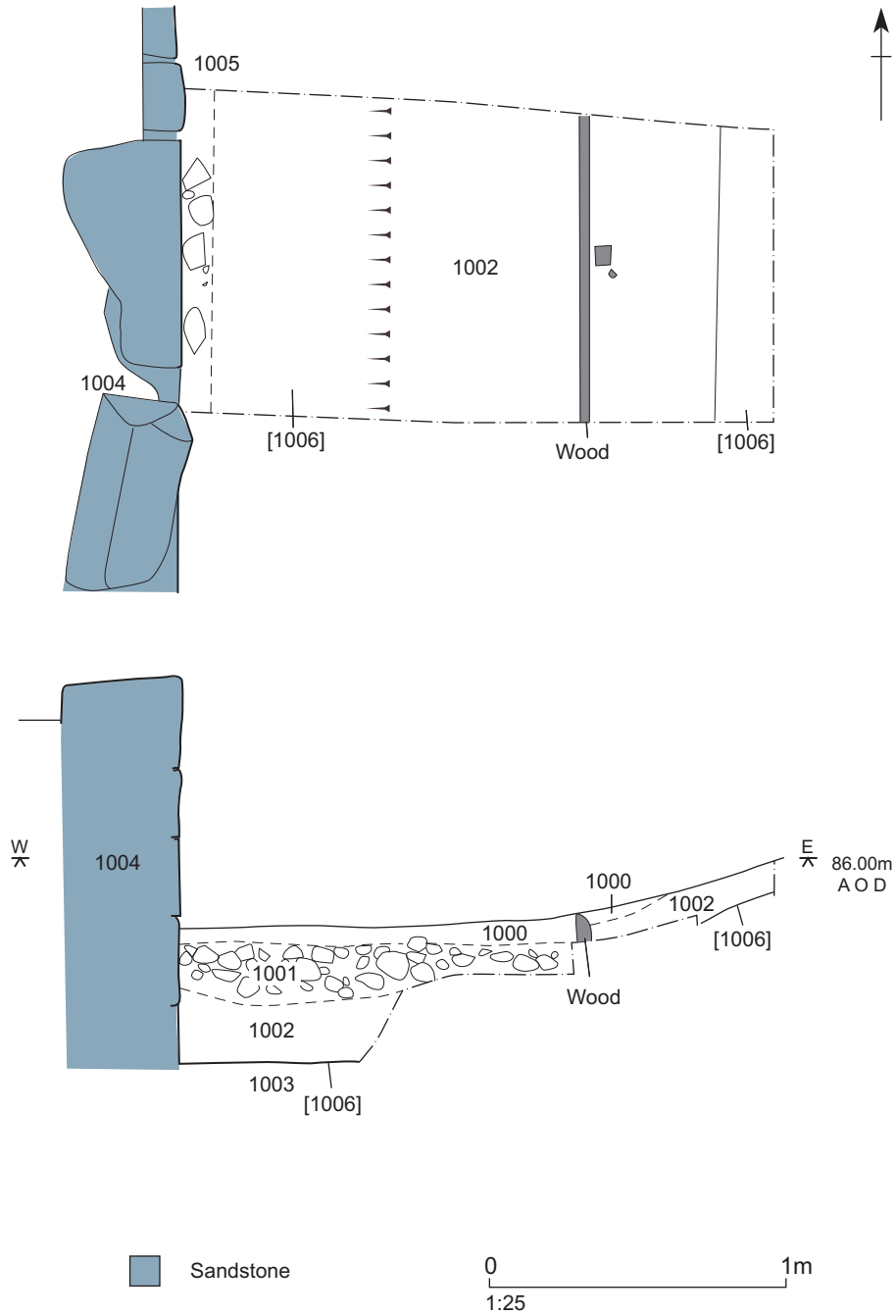
Trench 8 - Support Structures outside Eastern Annex Garden (North)



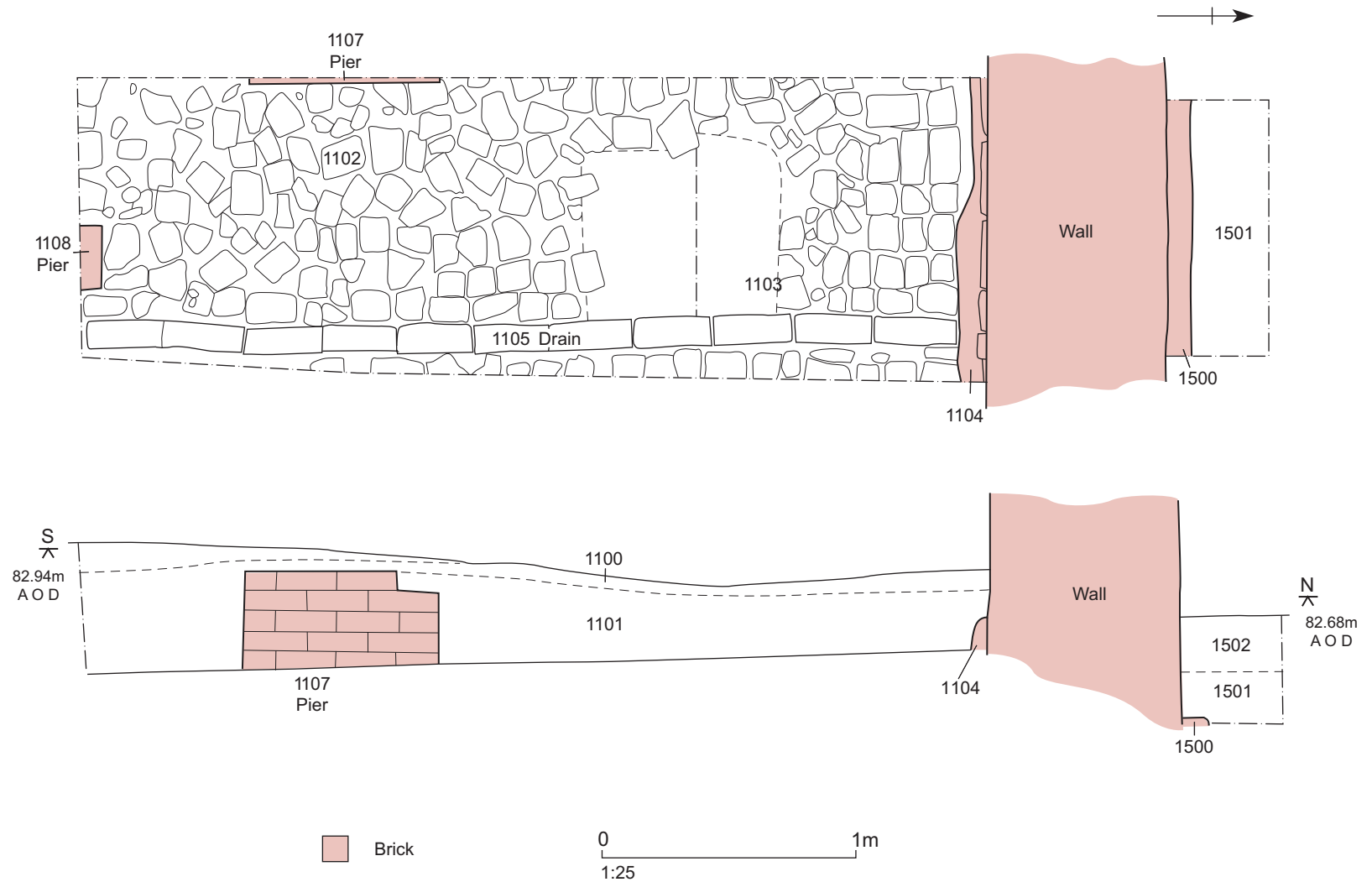
Trench 9 - Support Structures outside Eastern Annex Garden (South)



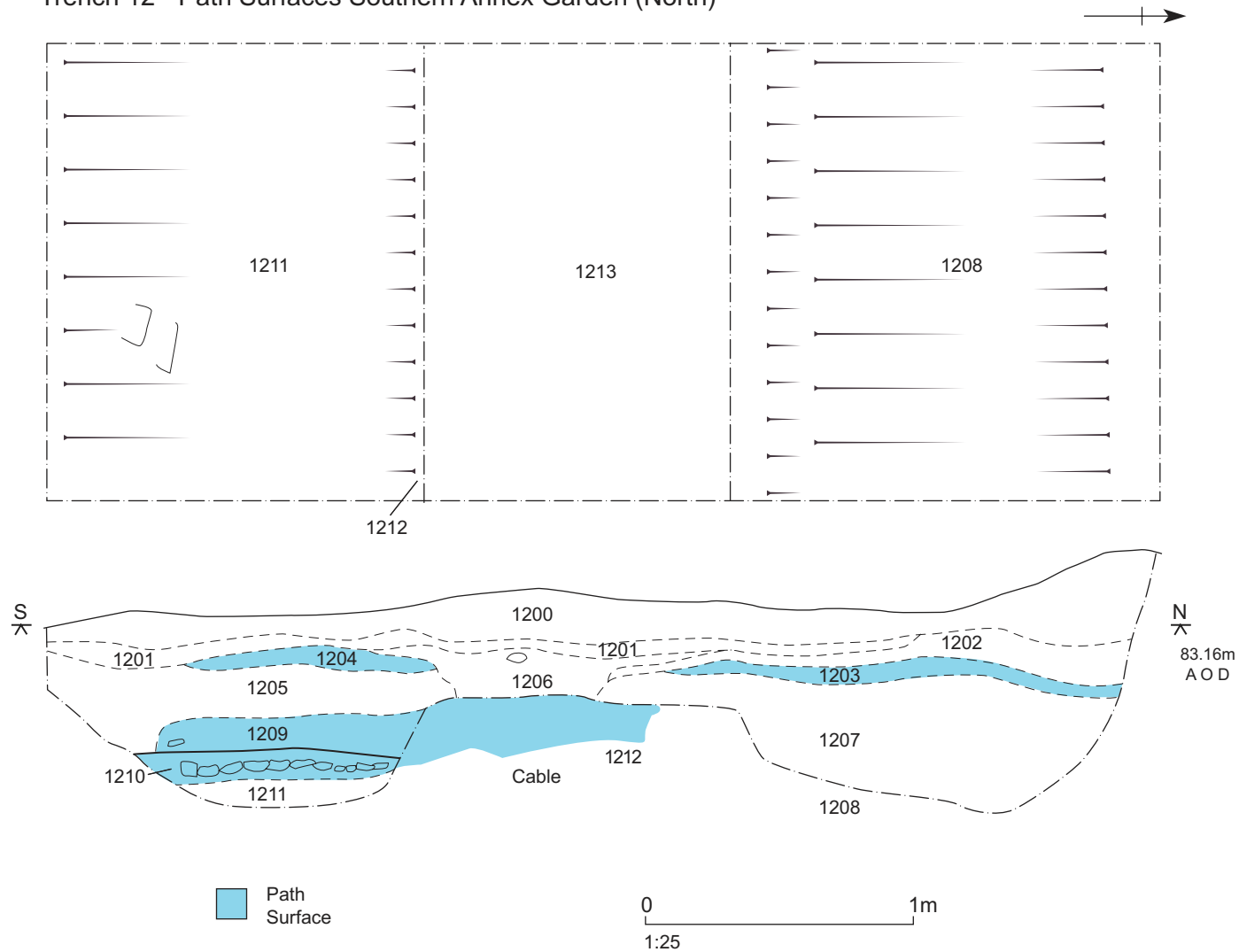
Trench 10 - Ha-Ha Eastern Section



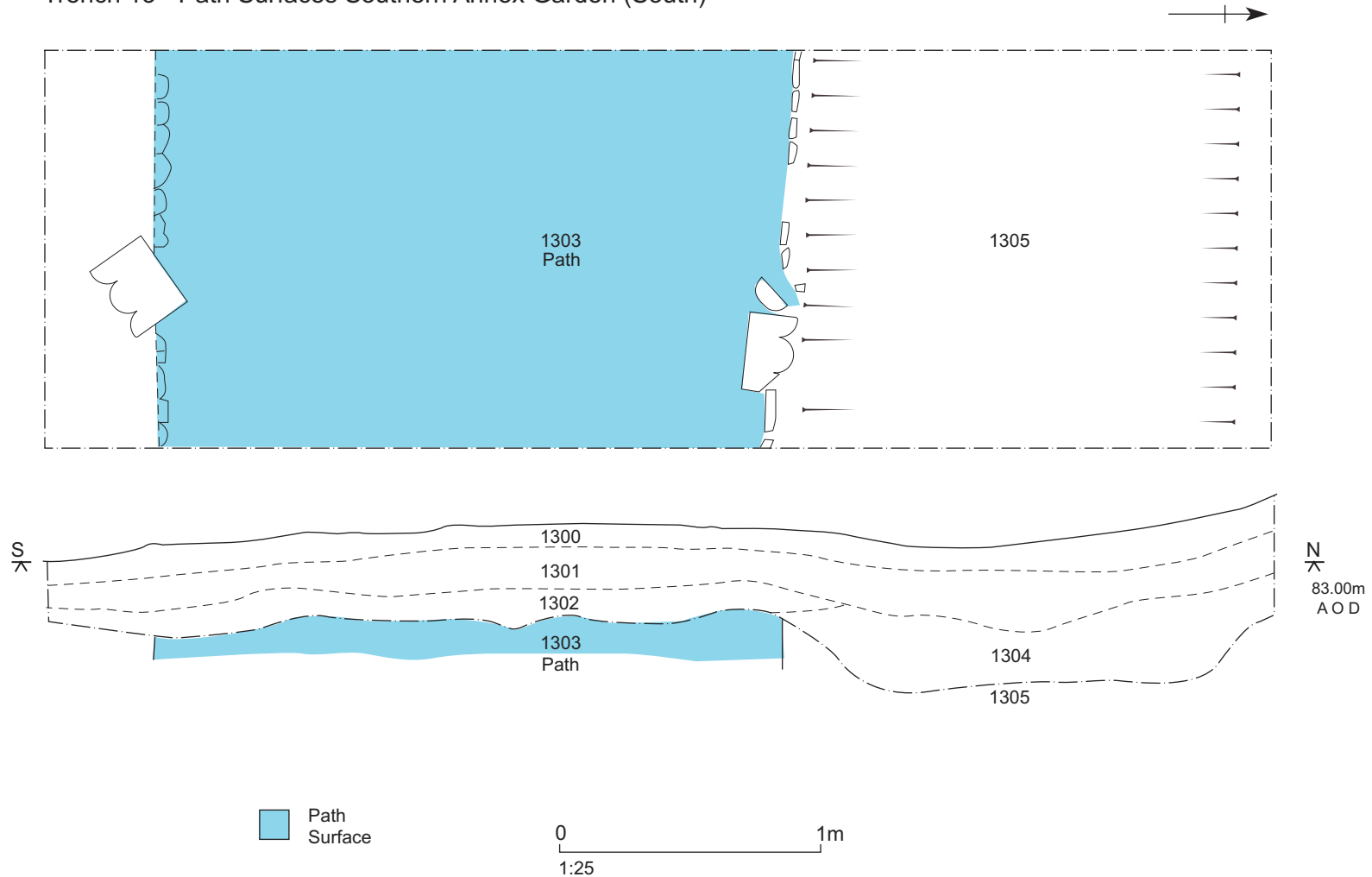
Trench 11-Test pit 15 - Apricot House, Southern Annex Garden



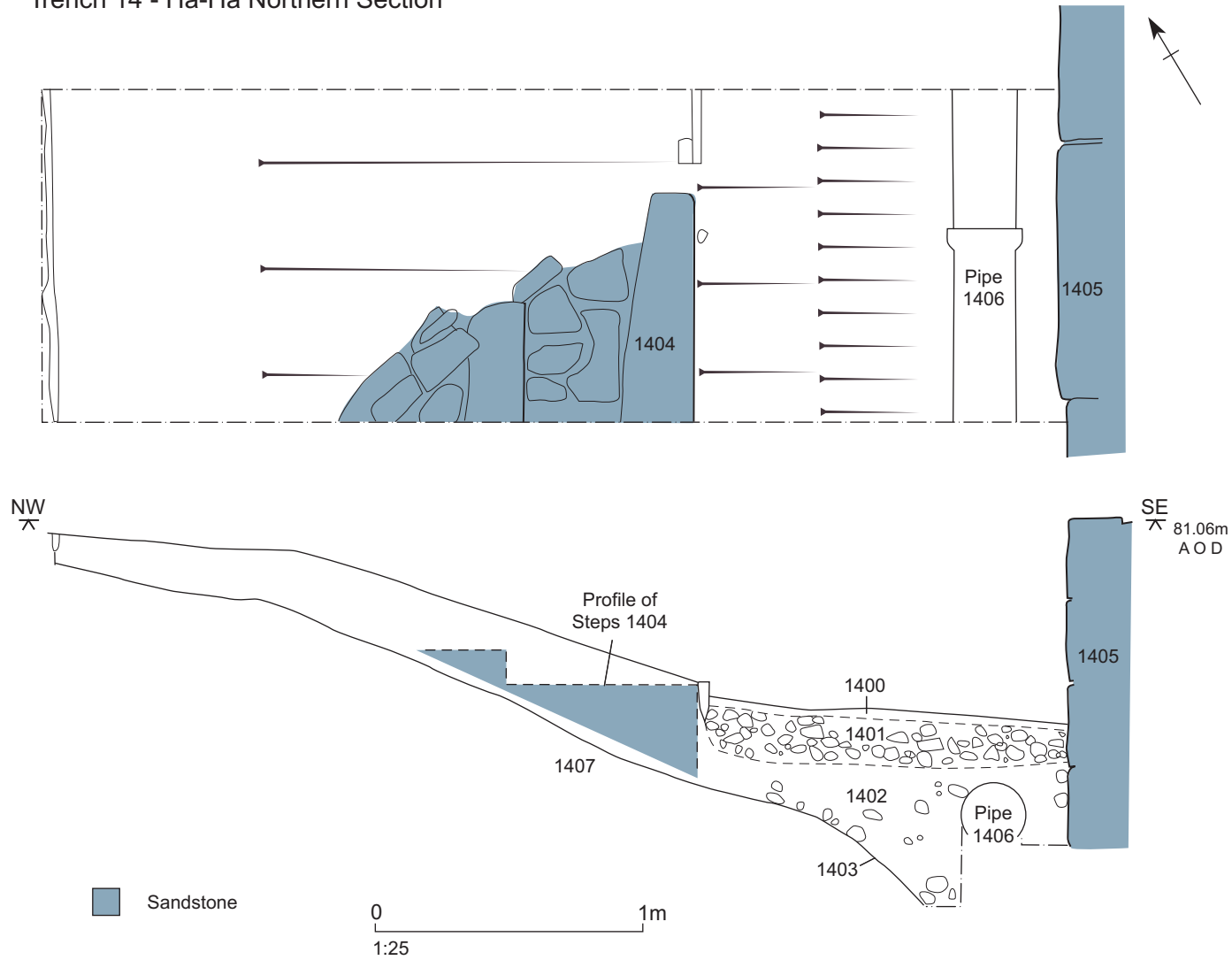
Trench 12 - Path Surfaces Southern Annex Garden (North)



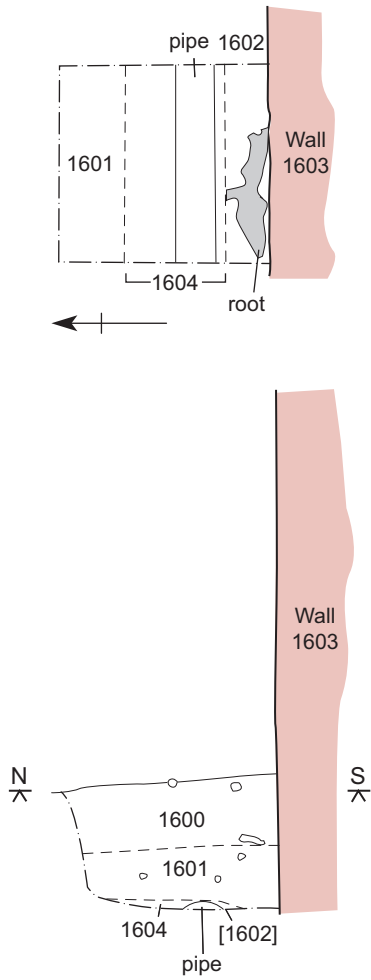
Trench 13 - Path Surfaces Southern Annex Garden (South)



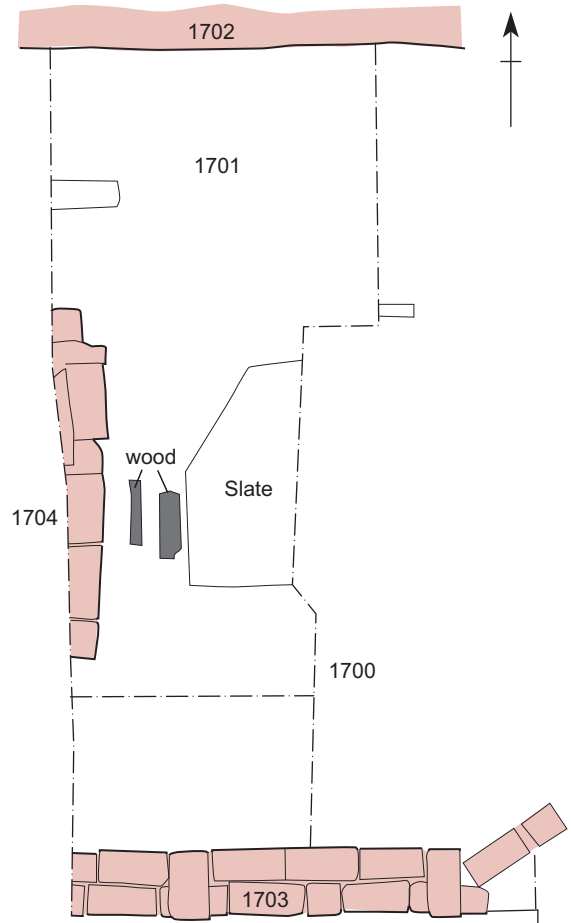
Trench 14 - Ha-Ha Northern Section



Test pit 16 - Eastern Annex Garden



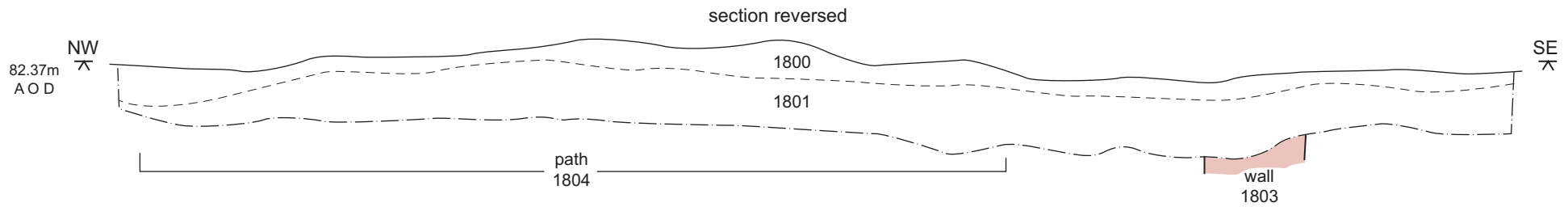
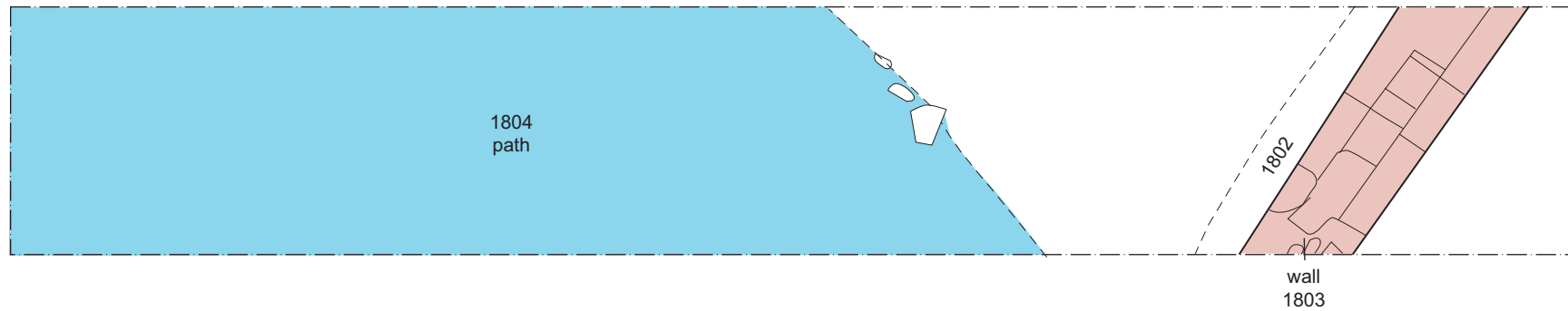
Trench 17 - Nectarine House



Brick

0 1m
1:25

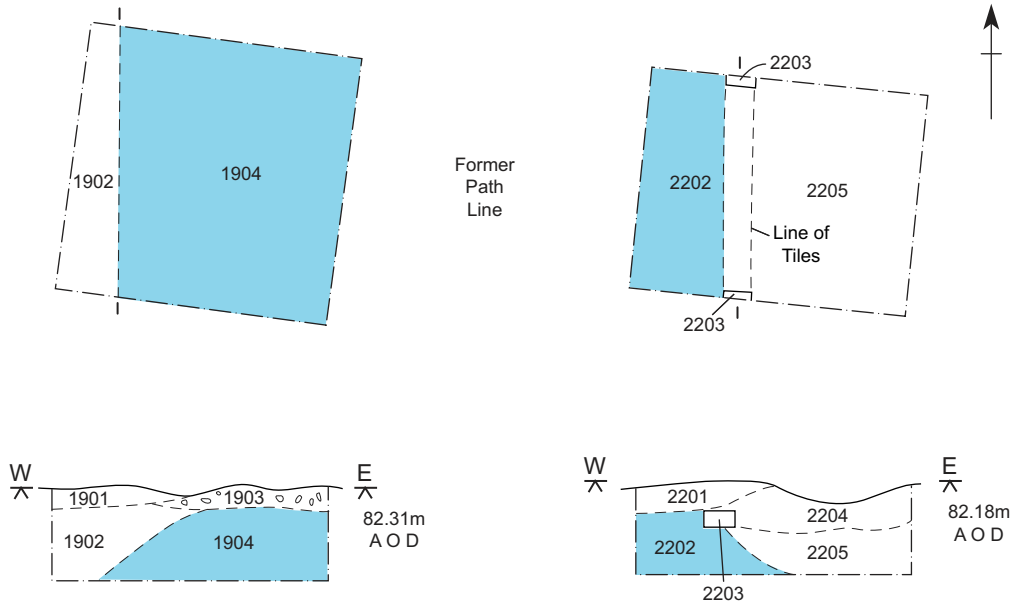
Trench 18



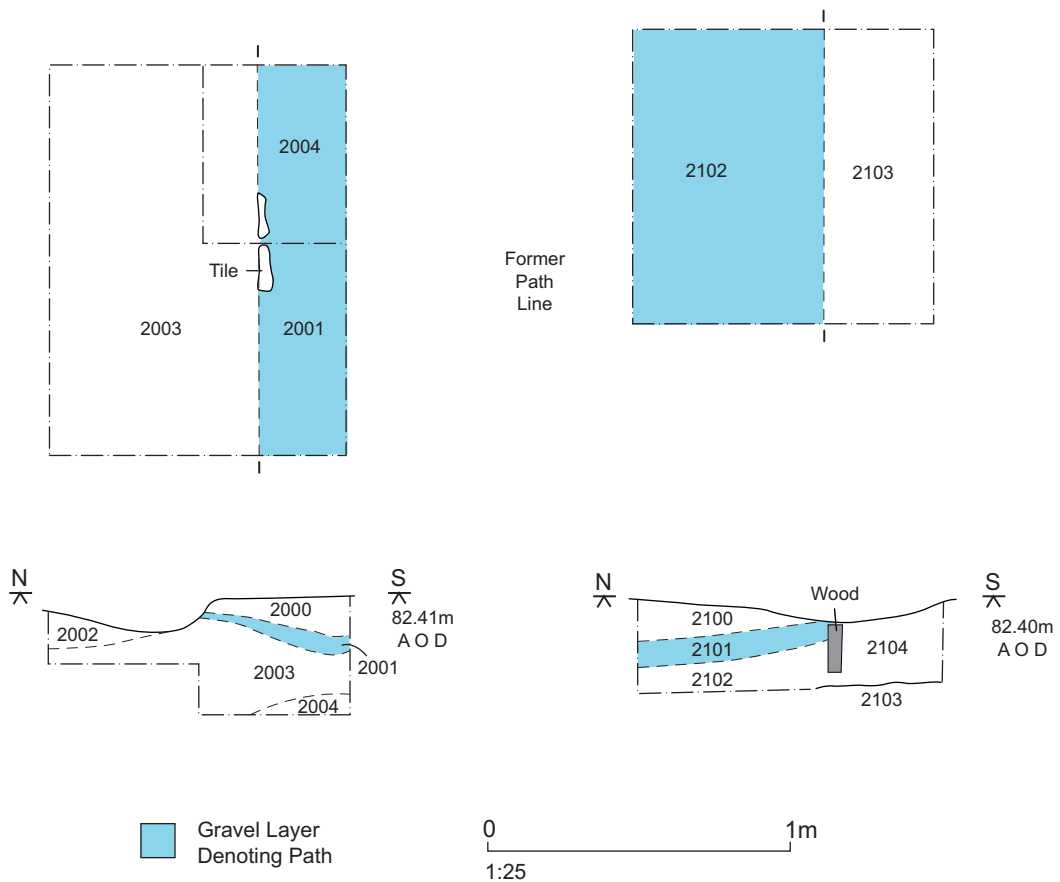
- Brick
- Gravel Layer Denoting Path



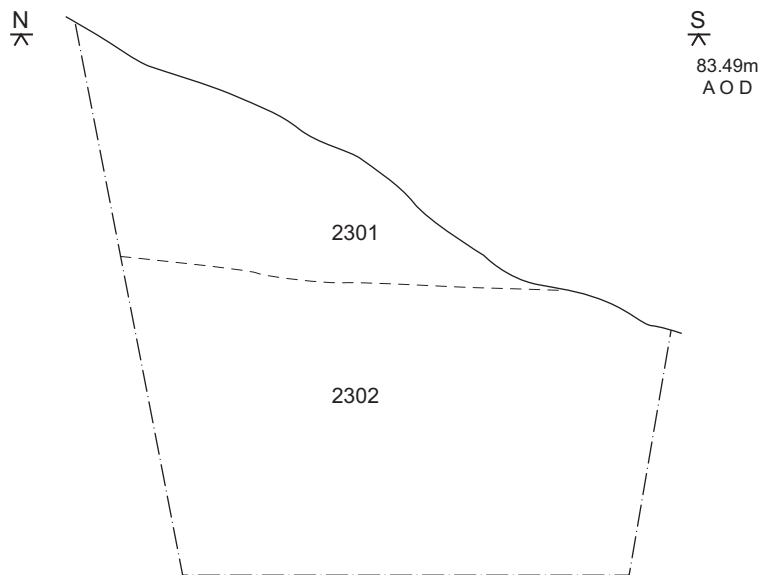
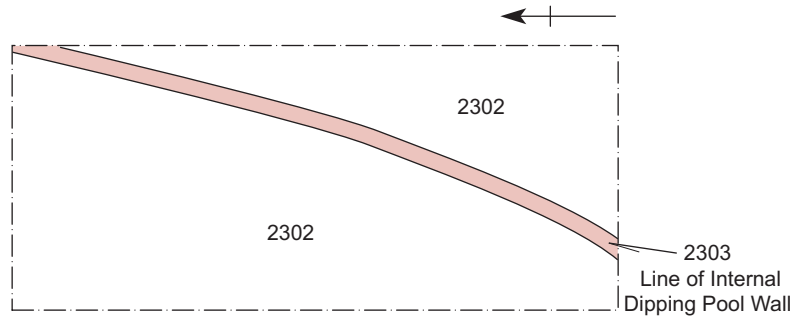
Test Pits 19 and 22 - Path Line, main Walled Garden (West)



Test Pits 20 and 21 - Path Line, main Walled Garden (Central)

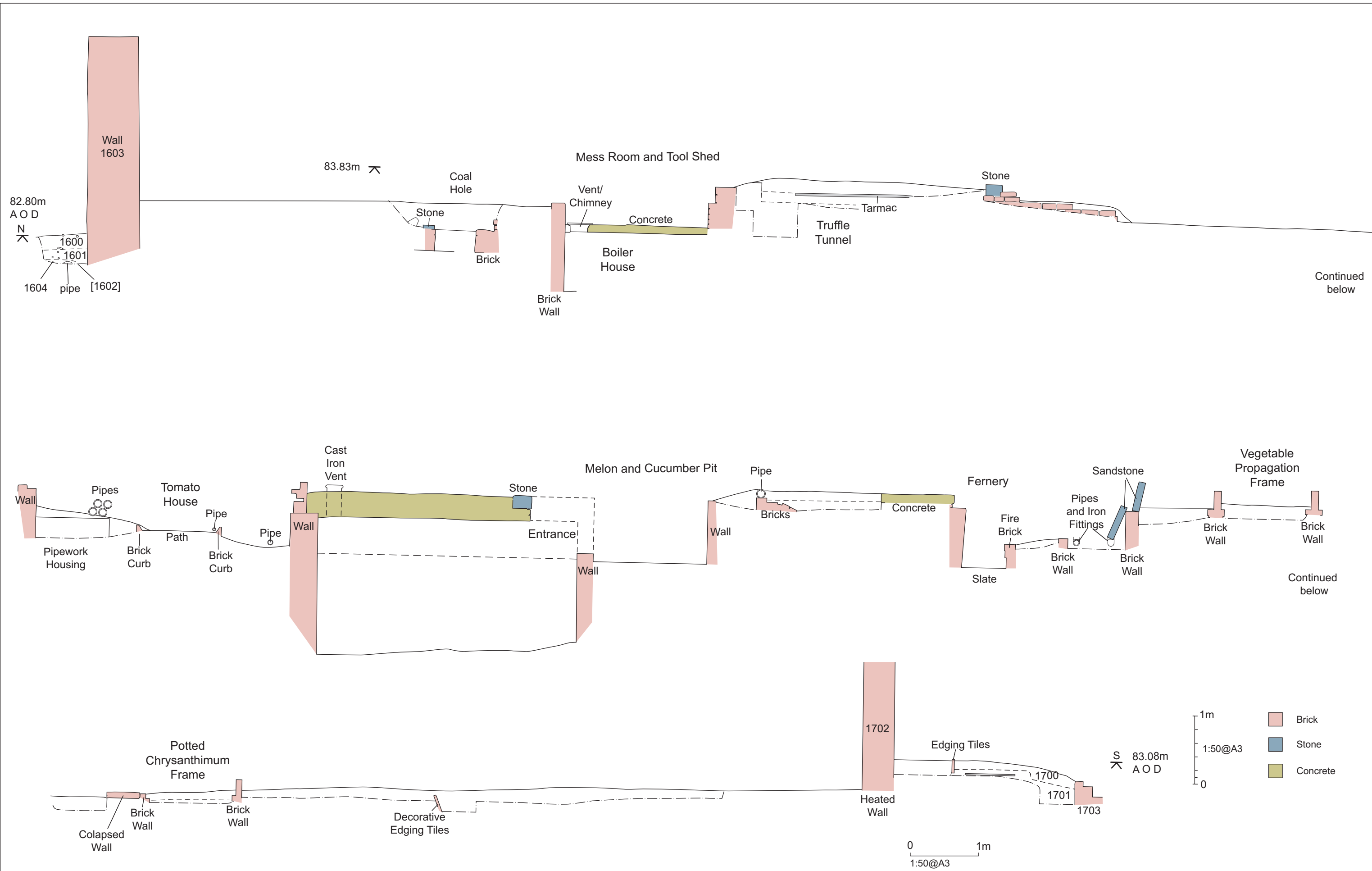


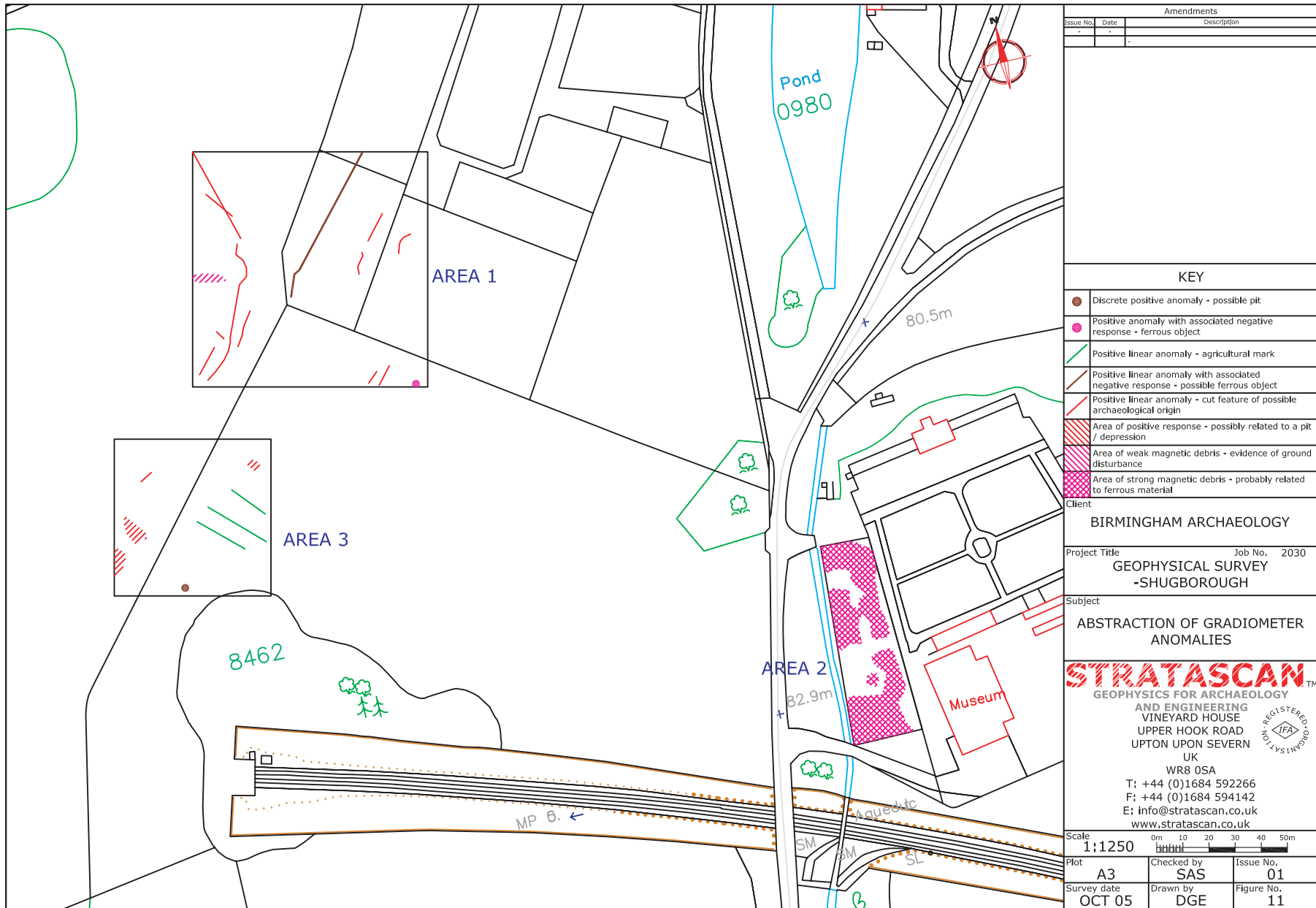
Trench 23 - Southern Annex Garden, Central Dipping Pool

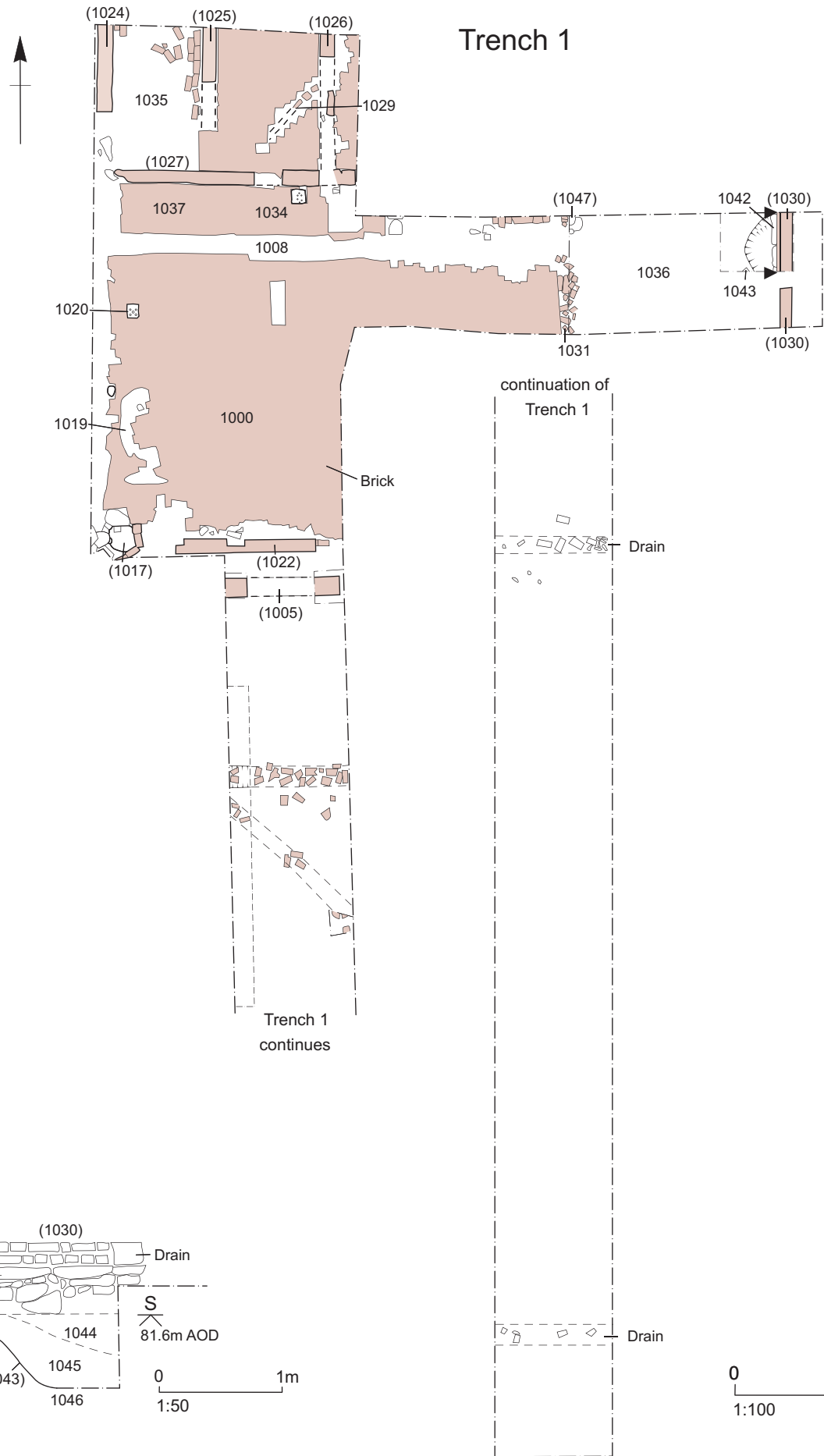


Brick

0 2m
1:50







(NB: see Figure 59 for trench location)



Plate 1: Shugborough Walled Gardens; aerial photograph prior to construction of new ticket office (image © Google Earth).



Plate 2: North garden, general view looking north-east.



Plate 3: North garden, general view looking south-east.



Plate 4: N garden, W wall, general view.



Plate 5: Pedestrian doorway, west wall (ins).



Plate 6: North garden, west wall; representative section of brickwork.



Plate 7: North garden, west wall; gateway.



Plate 8: North garden, west wall; brickwork north of gateway (note rebuild to tight).



Plate 9: North Garden, west wall; profile of glasshouse in north return.



Plate 10: North-west vinery: profiles of successive glasshouses visible in west wall.



Plate 11: North-west vinery, rear wall general view looking north-east.



Plate 12: North-east vinery, rear wall general view looking north-west.



Plate 13: North-east vinery: profile of glasshouse visible in west wall



Plate 14: North Garden, east wall; curving section of wall to north of gateway.



Plate 15: North Garden, east wall; gateway.



Plate 16: North garden, east wall; representative section of walling.



Plate 17: North garden, east wall ; Pedestrian door to east annex garden.



Plate 18: North garden, south wall (east); general oblique view looking south-west.



Plate 19: Stack in hot wall.



Plate 20: Flue access point.



Plate 21: North garden, south wall; central gateway.



Plate 22: North garden, south wall (west); general oblique view looking south-west.



Plate 23: North dipping pool with Gardener's House in background, looking north.



Plate 24: North dipping pool looking east.



Plate 25: North dipping pool looking NE.

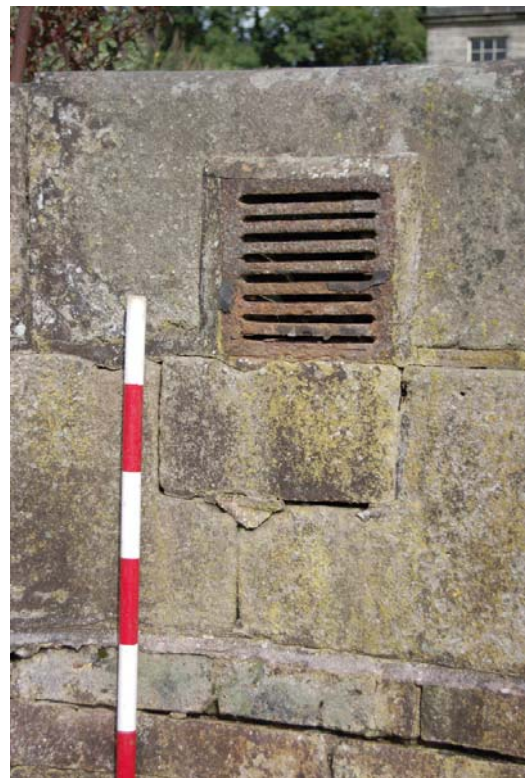


Plate 26: Detail of outflow grille, N end.



Plate 27: Gardener's House, south elevation.



Plate 28: Scars of former glasshouses.



Plate 29: Interface of brick / stone.



Plate 30: Detail of glasshouse profiles; note upper ridge cuts across corners of windows .



Plate 31: Gardener's House, east elevation.



Plate 32: Gardener's House, west elevation.



Plate 33: Line of western glasshouse wall.



Plate 34: Stub of stone glasshouse wall.



Plate 35: Gardener's House; oblique view from north-east.



Plate 36: Gardener's House; oblique view from north-west.



Plate 37: Gardener's House; junction of main block and north extension.



Plate 38: Main block, converted door.



Plate 39: N Extension; blocking in east wall.



Plate 40: Gardener's House; mushroom tunnel [B1] looking east.



Plate 41: Room B1, looking west.



Plate 42: Room B1, eastern flue.



Plate 43: Room B1; secondary piping breaking through primary brick vault.



Plate 44: Room B1; primary flue at western end.



Plate 45: Room G1, looking east.



Plate 46: Room G1, looking west.



Plate 47: Rm. G1, east end doors.



Plate 48: Rm G1, east end recess. (**NB:** slabs conceal entrance to mushroom tunnel).



Plate 49: Room G1, main entrance (S).



Plate 50: Room G1, doorway to G3.



Plate 51: Room G3, looking east.



Plate 52: Room G3, looking west.



Plate 53: Room G3, looking north-east



Plate 54: Room G3, blocked door.



Plate 55: Room G3, polychrome tile floor.



Plate 56: Room G2, east wall showing former door to bothy range.



Plate 57: Room G2, west wall.



Plate 58: Room G2, north wall.



Plate 59: Room G2, south wall.



Plate 60: Room G2, detail of FP.



Plate 61: Room G4, east wall.



Plate 62: Room G4, west wall.



Plate 63: Room G4, south wall range.



Plate 64: Room G5, north wall.



Plate 65: Room G5, upper flue (blocked).



Plate 66: Room G5, former joist sockets.



Plate 67: Room G5 (S), blocked door.



Plate 68: Room G5, east wall.



Plate 69: Room G5, fireplace.



Plate 70: Room G6, looking east.



Plate 71: Room G6, looking west.



Plate 72: Room G7, looking south-east.



Plate 73: Room G7, east wall.



Plate 74: Basement Rm B7, looking south.



Plate 75: Room G8, east wall recess.



Plate 76: Room G8, south wall; setting for copper.



Plate 77: Room G8, looking north.



Plate 78: Room G8, west wall.



Plate 79: Stair [f9].



Plate 80: Landing at head of stair.



Plate 81: Room [F4] looking south-west.



Plate 82: Room [F4] looking north-west.



Plate 83: Room [F4], north wall.



Plate 84: Room [F4], south wall.



Plate 85: Room [F4], east studwork wall.

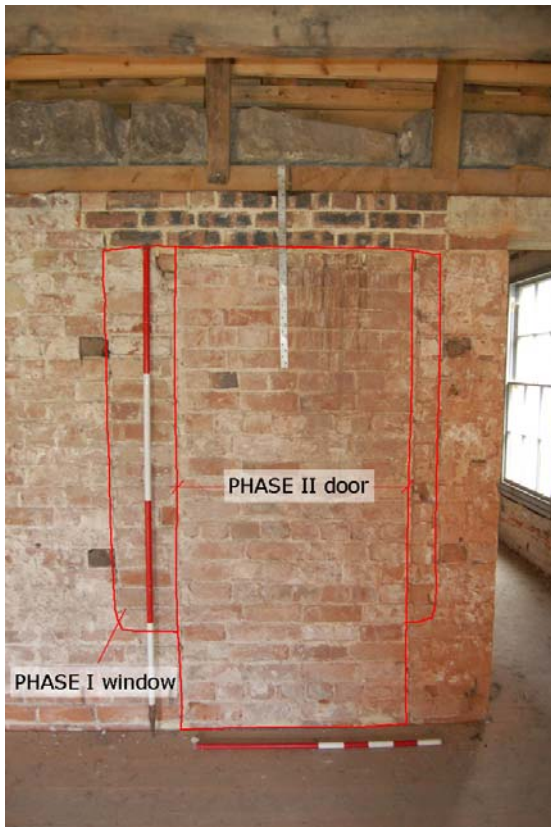


Plate 86: F4 detail of north wall showing successive phases of blockings.



Plate 87: Room F5 looking south-west



Plate 88: Room F5 looking north-east.



Plate 89: Room F5, detail of early-19th-century hob-grate [f11].



Plate 90: Rm. F3/7 looking north-west.



Plate 91: Rm F3/7 looking south-east.



Plate 92: Room F3/7, detail of early-19th-century hob-grate [f10].



Plate 93: King-post roof structure over Room F4.



Plate 94: Detail of double plate construction at eaves, Room F4.



Plate 95: Detail of king-post.



Plate 96: Subsidiary KP truss at Rm. F3/7.



Plate 97: Vaulted chamber F2.



Plate 98: Room F2, brick vault.



Plate 99: Room F2 stack.



Plate 100: Room F2, flue to E of stack.



Plate 101: Room F2, flue system to W of stack.



Plate 102: Rm. F6, north wall.



Plate 103: Rm. F6, south wall, note former exterior cornice detail.



Plate 104: Detail of blocked window/door.



Plate 105: Truncated exterior cornice.



Plate 106: Eastern bothy range; oblique view looking south-east.



Plate 107: Eastern bothy range; oblique view looking south-west.



Plate 108: Rm [G9] looking east.



Plate 109: Rm G9 looking west.



Plate 110: Rm G11 looking east.



Plate 111: Rm G11 looking west.



Plate 112: Rm G11; stair at SE corner.



Plate 113: Rm B5, lower level to west.



Plate 114: Rm B5; Flue and blocked doorway in south wall at SW corner.



Plate 115: Rm B5; arched opening to coal store.



Plate 116: Western bothy range; oblique view looking south-west.



Plate 117: Western bothy range; oblique view looking south-east.



Plate 118: Rm G12, FP at SE corner.



Plate 119: Rm G12 flue in S wall.



Plate 120: Rm G13 stone and brick floor.



Plate 121: Rm G13, semi-blocked doorway.



Plate 122: Rm G14 looking SW.

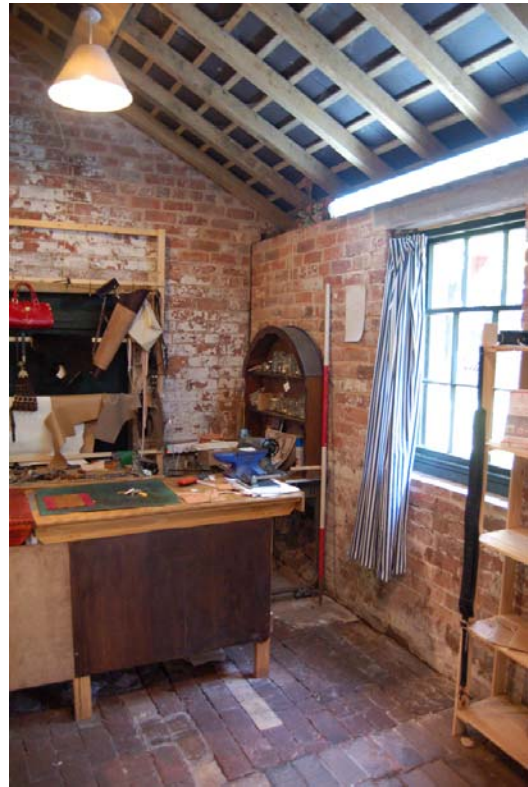


Plate 123: Rm G14 looking NW.



Plate 124: Rm G14 looking SE.



Plate 125: Rm G15 looking east.



Plate 126: Rm G15 looking west.



Plate 127: Rm G17 looking west.



Plate 128: Rm G17 blocked door (N wall).



Plate 129: South garden general view looking south-west.



Plate 130: South garden general view looking north-west, note spoil heap to centre.



Plate 131: South garden: museum store shed.



Plate 132: South garden, north wall oblique view looking north-west.



Plate 133: South garden, north wall; representative section of walling.



Plate 134: S garden, N wall, stack.



Plate 135: Fe bin set into wall.



Plate 136: South garden, east wall; north end.



Plate 137: South garden, east wall obscured by spoil / vegetation.



Plate 138: South garden, south wall, east end obscured by storage sheds.



Plate 139: South garden, south wall; central gateway obscured by heavy vegetation.



Plate 140: South garden, south wall; section west of central gateway.



Plate 141: South garden, south wall; representative section of walling. NB. Rebuild of upper wall in paler orange, stretcher bond brick.



Plate 142: South garden, west wall; inserted gateway.



Plate 143: South garden, west wall; rebuilt wall north of gateway.



Plate 144: South garden, west wall; oblique view looking north-west.



Plate 145: East annex garden, general view looking north-west towards gardener's house.



Plate 146: East annex garden, west wall general view looking north-west.



Plate 147: East annex garden, west wall; representative section of walling.



Plate 148: East annex garden, east wall general view looking south-east.



Plate 149: Straight flight stair and arched opening through east wall to north of potato store.



Plate 150: General oblique view of potato store / mushroom house from the north-west.



Plate 151: Potato Store, north elevation.



Plate 152: Potato Store, west elevation.



Plate 153: Potato Store, interior looking E.



Plate 154: Potato Store, interior looking W.



Plate 155: Potato Store, iron racking.



Plate 156: Potato Store, late C19th-stove.



Plate 157: Potato Store, detail of brick-lined ducting with ceramic capping.



Plate 158: Potato Store, detail of brick-lined ducting with ceramic capping.



Plate 159: Potato Store, detail of brick-lined ducting with ceramic capping.



Plate 160: South-east garden; arched gateway to east annex garden looking north.



Plate 161: Detail gateway arch springing.



Plate 162: South-east garden, north wall; oblique view looking north-east.



Plate 163: Lever mechanism by Messenger and Co. Ltd, Loughborough (1 of 3).



Plate 164: Stack at east end of wall, heavily obscured by vegetation.



Plate 165: Profile of glasshouse in short section of eastern wall, pedestrian doorway to right.



Plate 166: Trench 1 looking north-west (original curving garden wall).



Plate 167: Trench 1 looking south (curving wall of glasshouse and flue).



Plate 168: Trench 2, south end looking south-west.



Plate 169: Trench 2 (N end) looking north.



Plate 170: Trench 3 looking north (NB: 'vine hole' in edging stone (foreground)).



Plate 171: Trench 3, looking south-west.



Plate 172: Trench 4, looking west.



Plate 173: Trench 4, west end looking north-east towards Head Gardener's House.



Plate 174: Trench 5, south end looking south-west.



Plate 175: Trench 5, north end; brick arches supporting bothy wall.



Plate 176: Trench 6 looking north-east, possible frame structures.



Plate 177: Trench 7 looking north-east; path make-up.



Plate 178: Trench 7, sondage to south end looking west; detail of path make-up.



Plate 179: Trench 8 looking south; possible truffle tunnel exterior to annex garden.



Plate 180: Trench 9 looking north;
excavated remains of flue system



Plate 181: Trench 10 looking north-west; excavated remains of ha-ha.



Plate 182: Trench 11; floor and drainage.



Plate 183: Trench 12; path line and make-up.



Plate 184: Trench 13 facing west; profile.



Plate 185: Trench 14 facing north-east; profile.



Plate 186: TP15; foundation of north walled garden, south wall.



Plate 187: TP16; foundation of annex garden, north wall.



Plate 188: Trench 17, east facing profile.



Plate 189: Trench 18, SE facing path and cill wall.



Plate 190: TP 19; south facing profile.



Plate 191: TP20; east facing profile.



Plate 192: TP21; east facing profile.



Plate 193: TP22; south facing profile.



Plate 194: Trench 23; remains of south dipping pool.



Plate 195: Trench 23; south dipping pool showing depth of overburden.



Plate 196: East annex garden, looking south.



Plate 197: East annex garden, looking north.



Plate 198: East annex garden; vaulted chamber off north side of melon and cucumber pit.



Plate 199: East annex garden: coal hole serving underground boiler room; looking east.