

5. Annex **COMPONENTS OF DEFENCE AREA 70**

Details of the defence works shown on Map 2 are given below. The listing is arranged in sequence of the unique database record numbers that are also given on the map.

UORN S0000380 **SITE TYPE** MINED BRIDGE
NGR TL 5239 3770

COUNTY Essex
DISTRICT Uttlesford
PARISH Littlebury
LOCATION At Abbey Farm bridge, Gamage's Wood, Audley End Estate.

DESCRIPTION

TYPE	DATE
Document	1942/07/24

Mined bridge - prepared for demolition. Cassini ref. 973565.

TYPE	DATE
Field Visit	1994/03/ __

To the south of Adam Bridge in Gamage's Wood is an arched brick and concrete bridge across the River Cam. At the east end, in the centre, are three iron manhole covers 7yds apart. These are the access covers to mining chambers which would have contained explosives to blow the bridge in the event of an enemy attack.

At the time of the site visit, the easternmost cover was lifted and the chamber found to be flooded. The middle cover of the three was opened to reveal a circular chamber 5ft deep x 3ft in diameter made from a concrete sewage pipe. At the bottom were two 2ft square side chambers to the north and south. These would have contained the explosives. Wires in conduit led from the top of the main chamber to each of the side chambers. These would have eventually led to a detonation point.

CONDITION

Good

THREATS

ADJACENT

SITES

PART OF

GHQ Line (Essex)

CONSTRUCTION

DATE

1940/ __/ __ 1941/ __/ __

REFERENCE

	Essex Sub Area Operation Instruction no.15	Essex Sub Area War Diary
Dobinson, Colin S.	Anti-invasion defences of WWII	20th Century Fortifications in England
Nash, Fred	World War Two Defences in Essex, Interim Report	Archaeological Advisory Group

DESIGNATION

Essex SMR	10233
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UORN	S0000381	SITE TYPE	PILLBOX (VARIANT)
		NGR	TL 5216 3807

COUNTY	Essex
DISTRICT	Uttlesford
PARISH	Littlebury
LOCATION	Audley End Estate, on the W side of the lake by Adam Bridge.

DESCRIPTION

TYPE	DATE
Field Visit	2002/07/26

Eastern Command type rectangular pillbox with loopholed detached blast wall. No embrasure in S facing wall. Faces E. Access exterior and interior possible by paid entry to Audley Park grounds.

TYPE	DATE
English Heritage schedule	___/___/___

Pillbox, scheduled as part of Audley End Mansion.

TYPE	DATE
Book	1999/___/___

Vickers machine gun emplacement.

TYPE	DATE
Field Visit	1997/03/___

Thick walled rectangular infantry pillbox. Externally, square in plan each side between 10-12ft in length. Walls approx 3 ft thick. Three of the four walls contain an embrasure, the fourth the entrance. Entrance is not central in the wall but is set to one side. The entrance is covered by a blast wall of considerable thickness, in which is set an embrasure. Faces E towards bridge.

No internal inspection could take place due to the estate manager refusing permission.

CONDITION

Good

THREATS**ADJACENT****SITES****PART OF**

GHQ Line (Essex)

CONSTRUCTION**DATE**

1940/__/__ 1941/__/__

REFERENCE

Alexander, Colin Dobinson, Colin S.	Ironside's Line Anti-invasion defences of WWII	20th Century Fortifications in England
Nash, Fred	World War Two Defences in Essex, Interim Report	Archaeological Advisory Group

DESIGNATION

Essex SMR	10227
Scheduled Monument	EX 84

UORN S0000382 **SITE TYPE** PILLBOX (TYPE FW3/24)
NGR TL 51977 38124

COUNTY Essex
DISTRICT Uttlesford
PARISH Littlebury
LOCATION In field to E of Ring Hill Camp, Audley End Estate.

DESCRIPTION

TYPE	DATE
Field Visit	2002/06/07

Type 24 pillbox. Concrete-faced. On hill slope facing E towards river. Heavily overgrown. No access without permission - private land.

TYPE	DATE
Field Visit	1997/03/__

Thin walled type 24 pillbox, five equal length sides and a sixth longer side with the entrance. There are five main embrasures and a further two covering the entrance. There is a large brick built anti ricochet wall. Some hinge blocks remain in situ below the embrasures and one has the remains of the supporting knee for a shelf.

CONDITION

Fair

THREATS

The pillbox is heavily overgrown.

ADJACENT**SITES****PART OF**

GHQ Line (Essex)

CONSTRUCTION**DATE**

1940/__/__ 1941/__/__

REFERENCE**DESIGNATION**

Essex SMR 10226

UORN S0000383 **SITE TYPE** ANTI TANK BLOCK
 NGR
 TL 5224 3853

COUNTY Essex
DISTRICT Uttlesford
PARISH Littlebury
LOCATION Tea Bridge, Audley End Estate (50yds to west of bridge)

DESCRIPTION

TYPE	DATE
Air Photograph	1947/06/24

Concrete blocks plotted from aerial photograph.

TYPE	DATE
Field Visit	1994/03/ __

Two large concrete blocks, one each side of the track, on the W side of a bridge across a branch of the River Cam. The one to the north has a 6in hole through it. The one to the south is behind a high brick wall which shows signs that it was partially demolished and then rebuilt after the war. Originally these two blocks would have supported a steel hawser fixed permanently through the concrete of the south block and passed through the 6in hole in the north block to a fixing point. This could then be lowered for friendly traffic or fixed in the raised position as an anti tank obstacle.

Remains of the steel hawser are still attached to the N block. (AWF - 7.6.02).

CONDITION

Good

THREATS**ADJACENT****SITES****PART OF**

GHQ Line (Essex)

CONSTRUCTION

DATE

1940/ __/ __ 1941/ __/ __

REFERENCE

Dobinson, Colin S.	CPE/UK/2169 (fr 2043) Anti-invasion defences of WWII	Aerial photographs 20th Century
Nash, Fred	World War Two Defences in Essex, Interim Report	Fortifications in England Archaeological Advisory Group

DESIGNATION

Essex SMR 10220

UORN S0000390 **SITE TYPE** PILLBOX (TYPE FW3/24)
NGR TL 52120 39022

COUNTY Essex
DISTRICT Uttlesford
PARISH Littlebury
LOCATION Next to a small bridge in the Audley End Estate.

DESCRIPTION

TYPE	DATE
Field Visit	2002/06/07

Type 24 thick-walled pillbox, one of two at this location. On raised concrete base. Interior brick anti-ricochet wall. Multi-stepped embrasures. On SW side of small bridge [see UORN 391 as well]. Faces ENE. No access without permission as on private land.

TYPE	DATE
Book	1999/ __/ __

Type 24 shell-proof pillbox.

TYPE	DATE
Field Visit	1997/03/ __

Thick walled type 24 pillbox. Five equal sized walls with embrasures. Sixth longer side with entrance flanked by a further two embrasures. Internally there is a large brick built anti ricochet wall, and concrete shelves under the embrasures.

CONDITION

Good

THREATS**ADJACENT****SITES****PART OF**

GHQ Line (Essex)

CONSTRUCTION

DATE

1940/__/__

1941/__/__

REFERENCE

Alexander, Colin	58/214 Pt. 2 (fr 5188)	Aerial photographs
Dobinson, Colin S.	Ironside's Line	
	Anti-invasion defences	20th Century
	of WWII	Fortifications in England
Nash, Fred	World War Two Defences	Archaeological Advisory
	in Essex, Interim Report	Group

DESIGNATION

Essex SMR 10217

UORN S0000391 **SITE TYPE** PILLBOX (TYPE FW3/24)
NGR TL 52110 39035

COUNTY Essex
DISTRICT Uttlesford
PARISH Littlebury
LOCATION Next to a small bridge in the Audley End Estate.

DESCRIPTION

TYPE	DATE
Field Visit	2002/06/07

Type 24 thick-walled pillbox, one of two at this location. On raised concrete base. Interior brick anti-ricochet wall. Multi-stepped embrasures. The number '17' is stencilled in black on the inner pillar. On NW side of small bridge [see UORN 390 as well]. Faces ENE. No access without permission as on private land.

TYPE	DATE
Book	1999/__/__

Type 24 shell-proof pillbox.

TYPE	DATE
Field Visit	1997/03/__

Thick walled type 24 pillbox. Five equal sized walls with embrasures in only four of these walls. A sixth longer side with entrance is flanked by a further two embrasures. Internally there is a large brick built anti ricochet wall, and concrete shelves under the embrasures.

CONDITION

Good

THREATS**ADJACENT****SITES****PART OF**

GHQ Line (Essex)

CONSTRUCTION

DATE

1940/ __/ __ 1941/ __/ __

REFERENCE

Alexander, Colin Dobinson, Colin S. Nash, Fred	58/214 Pt. 2 (fr 5188) CPE/UK/2169 (fr 2043) Ironsides Line Anti-invasion defences of WWII World War Two Defences in Essex, Interim Report	Aerial photographs Aerial photographs 20th Century Fortifications in England Archaeological Advisory Group
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DESIGNATION

Essex SMR 10216

UORN S0000392 **SITE TYPE** ANTI TANK BLOCK
NGR
TL 52127 39046

COUNTY Essex
DISTRICT Uttlesford
PARISH Littlebury
LOCATION Next to a small bridge (E end) in the Audley End Estate.

DESCRIPTION

TYPE	DATE
Field Visit	2002/06/07

Two huge concrete blocks on either side of track at E end of bridge, now toppled from their original positions. Part of a roadblock. SE block has iron rail and earthenware pipe protruding.

TYPE	DATE
Field Visit	1997/03/ __

Two concrete blocks on their sides and about four feet square. The one to the right of the bridge has a large section of metal bar protruding, possibly 'T' sectioned. At the other end is another pipe but it contains only concrete. The second block has slipped further down the bank but is basically the same size but without the metal bar in the top. There would probably have been a steel hawser stretched between the two blocks.

CONDITION

Fair

THREATS

ADJACENT

SITES

PART OF

GHQ Line (Essex)

CONSTRUCTION**DATE**

1940/__/__ 1941/__/__

REFERENCE

Dobinson, Colin S.	Anti-invasion defences of WWII	20th Century Fortifications in England
Nash, Fred	World War Two Defences in Essex, Interim Report	Archaeological Advisory Group

DESIGNATION

Essex SMR 10218

UORN	S0016022	SITE TYPE	PILLBOX (TYPE FW3/24)
		NGR	TL 5233 3745

COUNTY	Essex
DISTRICT	Uttlesford
PARISH	Saffron Walden
LOCATION	In woodland to E of track and miniature railway, Gamage's Wood, Audley End Estate.

DESCRIPTION

TYPE	DATE
Field Visit	2002/06/07

Type 24 concrete-faced pillbox, with cut off corners and chamfered roof edge. 3ft 6ins walls. Sunken. Stepped embrasures. Faces NNE. No public access without permission.

CONDITION

Good

THREATS**ADJACENT****SITES****PART OF**

GHQ Line (Essex)

CONSTRUCTION**DATE**

1940/__/__ 1941/__/__

REFERENCE**DESIGNATION**

Essex SMR 10234

UORN S0016023 **SITE TYPE** PILLBOX (VARIANT)
NGR TL 52395 37680

COUNTY Essex
DISTRICT Uttlesford
PARISH Littlebury
LOCATION At SE end of bridge over the River Cam, Gamage's Wood, Audley End Estate.

DESCRIPTION

TYPE DATE
Field Visit 2002/06/07

Square infantry pillbox of the Eastern Command type, with detached, loopholed exterior blast wall. Chamfered roof edges. Protecting bridge, faces N. Used as store with modern locked door. No public access without permission.

Aerial photograph evidence shows as well a possible pillbox to the SW of the bridge, but this is uncertain.

CONDITION

Good

THREATS

ADJACENT

SITES

PART OF

GHQ Line (Essex)

CONSTRUCTION

DATE

1940/ __/ __ 1941/ __/ __

REFERENCE

CPE/UK/2169 (fr 3047) Aerial photographs

DESIGNATION

Essex SMR 10231

UORN S0016024 **SITE TYPE** ANTI TANK BLOCK
NGR TL 5238 3768

COUNTY Essex
DISTRICT Uttlesford
PARISH Littlebury

LOCATION At S end of bridge over the River Cam, Gamage's Wood, Audley End Estate.

DESCRIPTION

TYPE	DATE
Field Visit	2002/06/07

Two massive concrete blocks (5ft x 4ft) at S end of bridge, part of a roadblock. Iron rail and earthenware pipe extend from one. A steel hawser would have been stretched between the two blocks.

CONDITION

Fair

THREATS

ADJACENT

SITES

PART OF

GHQ Line (Essex)

CONSTRUCTION

DATE

1940/___/___ 1941/___/___

REFERENCE

DESIGNATION

Essex SMR 10232

UORN	S0016095	SITE TYPE	MINED BRIDGE
		NGR	TL 5214 3905

COUNTY	Essex
DISTRICT	Uttlesford
PARISH	Littlebury
LOCATION	Field Bridge, Audley End estate.

DESCRIPTION

TYPE	DATE
Document	1942/07/24

Mined bridge. Cassini ref. 971579.

CONDITION

Destroyed

THREATS

ADJACENT

SITES

PART OF

GHQ Line (Essex)

CONSTRUCTION

DATE

REFERENCE

Essex Sub Area Operation
Instruction no.15

Essex Sub Area War
Diary

DESIGNATION

UORN	S0016096	SITE TYPE	MINED BRIDGE	
		NGR	TL 5225	3853

COUNTY	Essex
DISTRICT	Uttlesford
PARISH	Littlebury
LOCATION	Duck Street Bridge (Tea Bridge), Audley End estate.

DESCRIPTION

TYPE	DATE
Field Visit	___/___/___

Three yards to the W of the bridge is a circular 4ft diameter chamber sunk into the ground - this would have held explosive charges for blowing the bridge.

TYPE	DATE
Document	1942/07/24

Mined bridge. Cassini ref. 973574.

CONDITION

Destroyed

THREATS

ADJACENT

SITES

PART OF

GHQ Line (Essex)

CONSTRUCTION

DATE

REFERENCE

Essex Sub Area Operation
Instruction no.15

Essex Sub Area War
Diary

DESIGNATION

Essex SMR 10221

UORN S0016097 **SITE TYPE** MINED BRIDGE
NGR TL 5227 3825

COUNTY Essex
DISTRICT Uttlesford
PARISH Saffron Walden
LOCATION Stable Bridge, Audley End House.

DESCRIPTION

TYPE **DATE**
Field Visit ___/___/___

These was a demolition chamber to this bridge at its E end, now filled in.
TYPE **DATE**
Document 1942/07/24

Mined bridge. Cassini ref. 973571.

CONDITION

Destroyed

THREATS

ADJACENT

SITES

PART OF

GHQ Line (Essex)

CONSTRUCTION

DATE

REFERENCE

Essex Sub Area Operation
Instruction no.15

Essex Sub Area War
Diary

DESIGNATION
Essex SMR 10225

UORN S0016098 **SITE TYPE** MINED BRIDGE
NGR TL 5218 3803

COUNTY Essex
DISTRICT Uttlesford
PARISH Saffron Walden
LOCATION Adam Bridge (Lion Lodge Bridge), Audley End House.

DESCRIPTION

TYPE **DATE**
Field Visit ____/____/____

Manhole covers at each end of the bridge lead to demolition chambers.

TYPE **DATE**
Document 1942/07/24

Mined bridge. Cassini ref. 972568.

CONDITION

Destroyed

THREATS

ADJACENT

SITES

PART OF

GHQ Line (Essex)

CONSTRUCTION

DATE

REFERENCE

Essex Sub Area Operation
Instruction no.15

Essex Sub Area War
Diary

DESIGNATION
Essex SMR 10229

UORN S0016130 **SITE TYPE** LOOPHOLED WALL
NGR TL 5215 3851
TL 5221 3851

COUNTY Essex

DISTRICT Uttlesford
PARISH Littlebury
LOCATION Estate wall of Audley End house, W of Duck Street.

DESCRIPTION

TYPE DATE
Field Visit ____/____/____

In a 60 yards stretch of a red-brick wall are 12 holes made by knocking out one or more bricks. One of the holes has a metal surround. These are undoubtedly firing loopholes. On the N side of the wall they are about 4ft from the ground, but on the S side (within 'Organic Kitchen Garden') they are at shoulder height.

CONDITION

Good

THREATS

ADJACENT

SITES

PART OF

GHQ Line (Essex)

CONSTRUCTION

DATE

1940/____/____ 1941/____/____

REFERENCE

DESIGNATION

Essex SMR 10219

UORN S0016131 **SITE TYPE** PILLBOX
NGR TL 5224 3824

COUNTY Essex
DISTRICT Uttlesford
PARISH Littlebury
LOCATION SW of Stable Bridge, Audley End estate.

DESCRIPTION

TYPE DATE
Document 2002/07/26

Destroyed pillbox, the position of which is known from documentary source. [see 'Wartime Contraventions', Essex CC].

CONDITION

Destroyed

THREATS

ADJACENT

SITES

PART OF

GHQ Line (Essex)

CONSTRUCTION

DATE

1940/___/___ 1941/___/___

REFERENCE

DESIGNATION

Essex SMR 10223

UORN S0016132 SITE TYPE ANTI TANK BLOCK
NGR
TL 5225 3825

COUNTY Essex
DISTRICT Uttlesford
PARISH Littlebury
LOCATION Stable Bridge, Audley End estate.

DESCRIPTION

TYPE DATE
Field Visit ___/___/___

Two large concrete blocks on the W side of the bridge. Originally, these would have supported a steel hawser stretched between the two.

CONDITION

Good

THREATS

ADJACENT

SITES

PART OF

GHQ Line (Essex)

CONSTRUCTION

DATE

1940/__/__ 1941/__/__

REFERENCE**DESIGNATION**

Essex SMR 10224

UORN S0016133 **SITE TYPE** ROADBLOCK
NGR TL 5216 3803

COUNTY Essex
DISTRICT Uttlesford
PARISH Littlebury
LOCATION Adam Bridge, Audley End.

DESCRIPTION

TYPE Document **DATE** 1946/07/09

The W of two roadblocks (W and E) at Adam Bridge. Plotted from aerial photograph, which shows four blocks, two at each end of the bridge [see as well UORN 16134]. They have been removed by October 1950.

CONDITION

Destroyed

THREATS**ADJACENT****SITES****PART OF**

GHQ Line (Essex)

CONSTRUCTION**DATE**

1940/__/__ 1941/__/__

REFERENCE

106G/UK/1635 (fr 2146) Aerial photographs

DESIGNATION

Essex SMR 10228

UORN S0016134 SITE TYPE ROADBLOCK
NGR TL 5221 3802

COUNTY Essex
DISTRICT Uttlesford
PARISH Saffron Walden
LOCATION Adam Bridge, Audley End.

DESCRIPTION

TYPE DATE
Document 1946/07/09

The E of two roadblocks (W and E) at Adam Bridge. Plotted from aerial photograph, which shows four blocks, two at each end of the bridge [see as well UORN 16133]. They have been removed by October 1950.

CONDITION

Destroyed

THREATS

ADJACENT

SITES

PART OF

GHQ Line (Essex)

CONSTRUCTION

DATE

1940/__/__ 1941/__/__

REFERENCE

106G/UK/1635 (fr 2146) Aerial photographs

DESIGNATION

Essex SMR 10228

UORN S0016135 SITE TYPE PILLBOX (TYPE FW3/24)
NGR TL 5199 3774

COUNTY Essex
DISTRICT Uttlesford
PARISH Littlebury
LOCATION At edge of woodland, E of B1383 road, near junction with Chestnut Avenue.

DESCRIPTION

TYPE DATE
Field Visit 2002/08/02

Hexagonal concrete-faced type 24 pillbox, in good condition. Brick interior blast wall. Interior condition is very clean. Sunken into ground: it was built at the

edge of woodland with field of fire over meadow sloping down to river. Faces NE towards river. No access - private land.

TYPE
Field Visit

DATE
___/___/___

Hexagonal, concrete-faced type 24 pillbox, with 15ins walls and 10ins square embrasures.

CONDITION

Good

THREATS

ADJACENT

SITES

PART OF

GHQ Line (Essex)

CONSTRUCTION

DATE

1940/___/___

1941/___/___

REFERENCE

DESIGNATION

Essex SMR

10230

UORN S0016164

SITE TYPE
NGR

ANTI TANK BLOCK

TL 5225 3832

COUNTY

Essex

DISTRICT

Uttlesford

PARISH

Littlebury

LOCATION

Small ornamental bridge over River Cam, Audley End Estate.

DESCRIPTION

TYPE
Field Visit

DATE
2002/07/26

Two large concrete blocks each side of the road at the W side of a small bridge.

TYPE
SMR

DATE
___/___/___

Flanking the W side of the bridge are two large (5ft x 6ft high) concrete blocks. Originally these would have supported a steel hawser as an anti-tank device.

CONDITION

Good

THREATS

ADJACENT

SITES

PART OF

GHQ Line (Essex)

CONSTRUCTION

DATE

1940/__/__

1941/__/__

REFERENCE

DESIGNATION

Essex SMR

10222