Environmental Statement For
AC Goatham and Sons

CONSOLIDATED ENVIRONMENTAL STATEMENT FIGURES
LAND AT PUMP AND BLOOR FARM, LOWER RAINHAM

September 2020

Our Ref: SRS/18-01307

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Figures

Figure 1.1 - Site Location Plan

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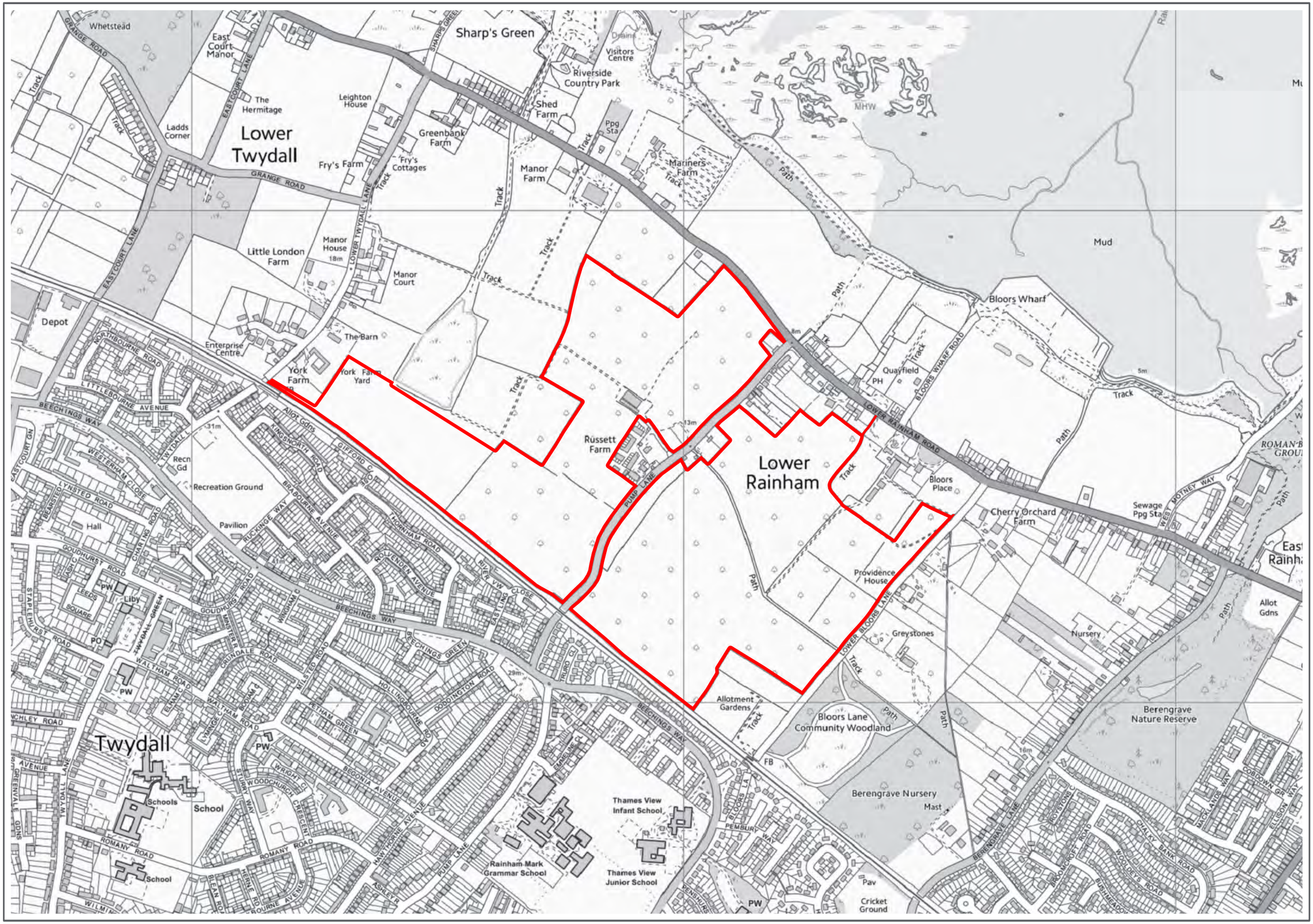
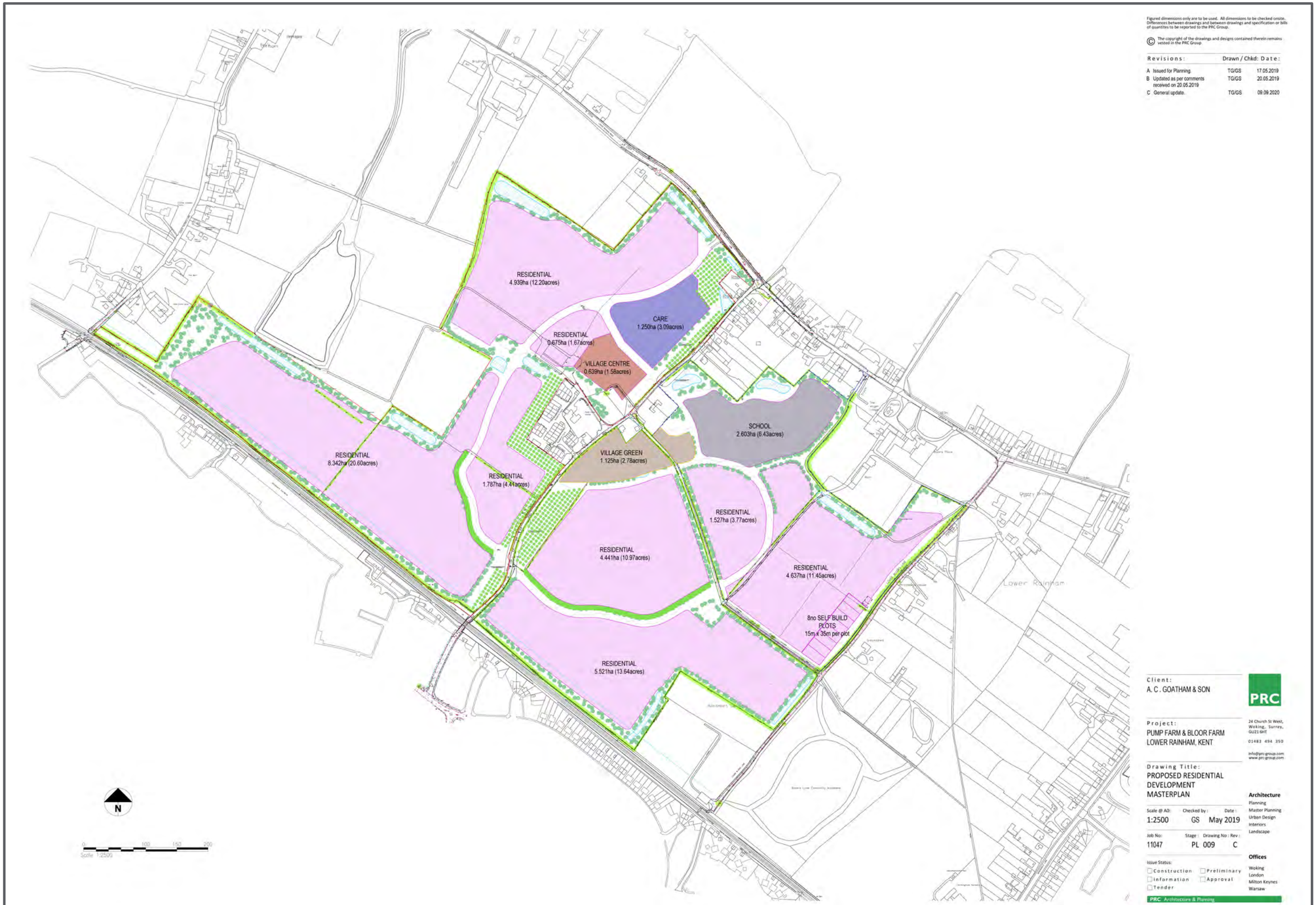


Figure 1.2a - Illustrative Site Masterplan August 2020

FIGURE 1.2a - Illustrative Site Masterplan



Figured dimensions only are to be used. All dimensions to be checked onsite. Differences between drawings and between drawings and specification or bills of quantities to be reported to the PRC Group.

Revisions:		Drawn / Chkd:	Date:
A	Issued for Planning.	TG/GS	17.05.2019
B	Updated as per comments received on 20.05.2019	TG/GS	20.05.2019
C	General update.	TG/GS	09.09.2020

Client:
A. C . GOATHAM & SON

Project:
PUMP FARM & BLOOR FARM
LOWER RAINHAM, KENT

Drawing Title:
PROPOSED RESIDENTIAL DEVELOPMENT MASTERPLAN

Scale @ A0:	Checked by:	Date:
1:2500	GS	May 2019

Job No:	Stage:	Drawing No:	Rev:
11047	PL	009	C

Issue Status:
☐ Construction ☐ Preliminary
☐ Information ☐ Approval
☐ Tender

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Figure 2.1a - Land Use Parameter Plan

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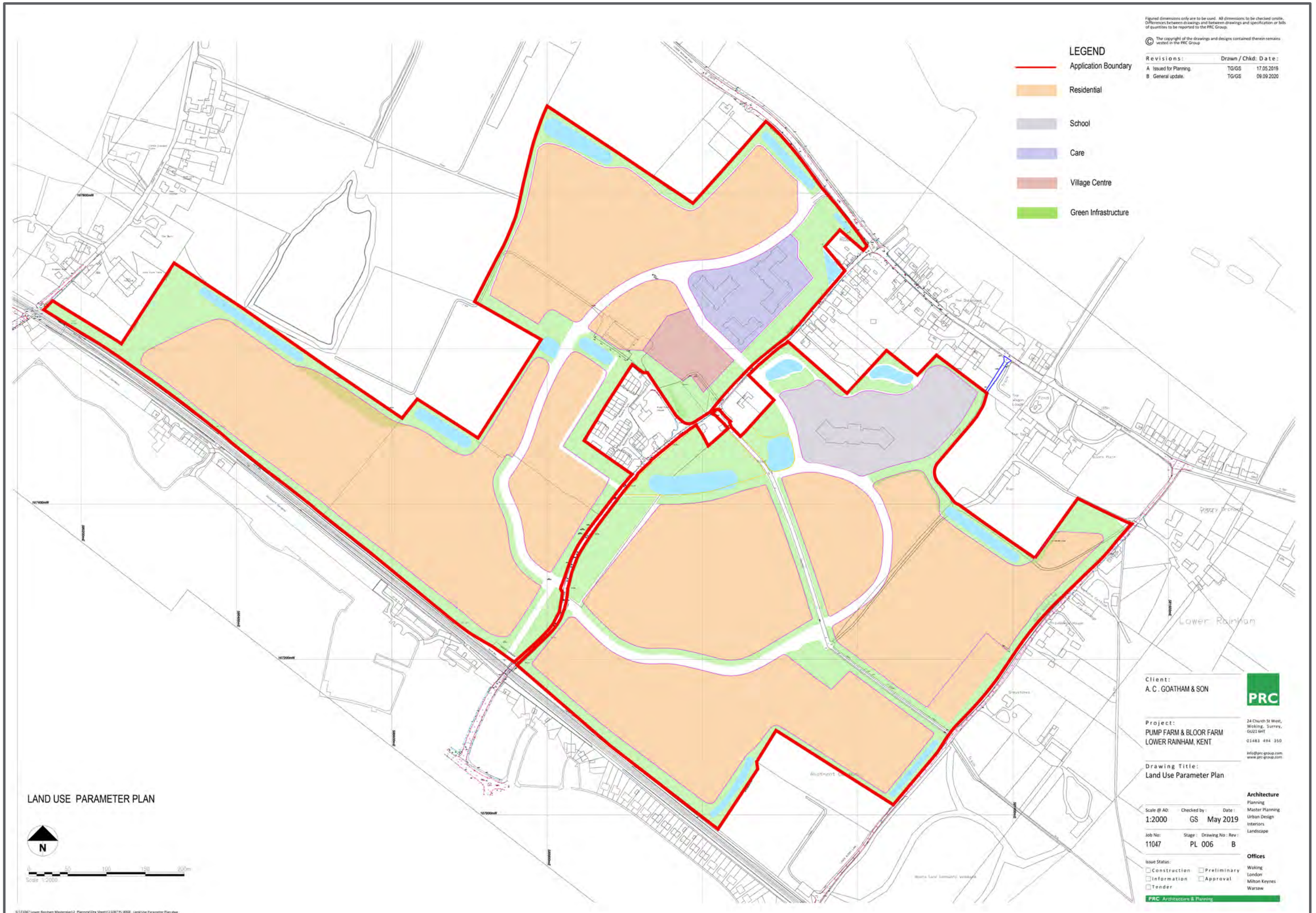

Figure 2.2a - Building Heights Parameter Plan

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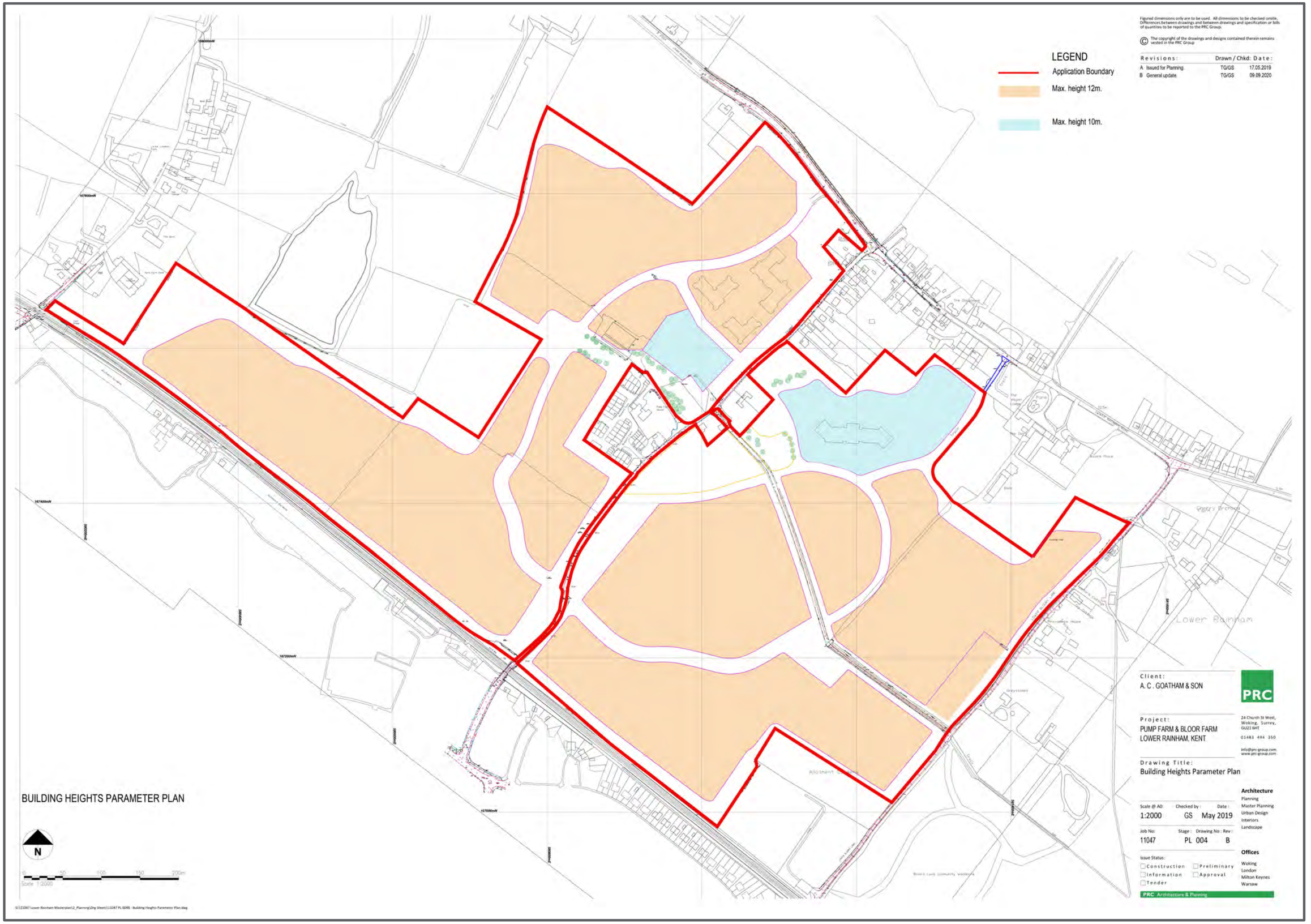

Figure 2.3a - Movement Parameter Plan

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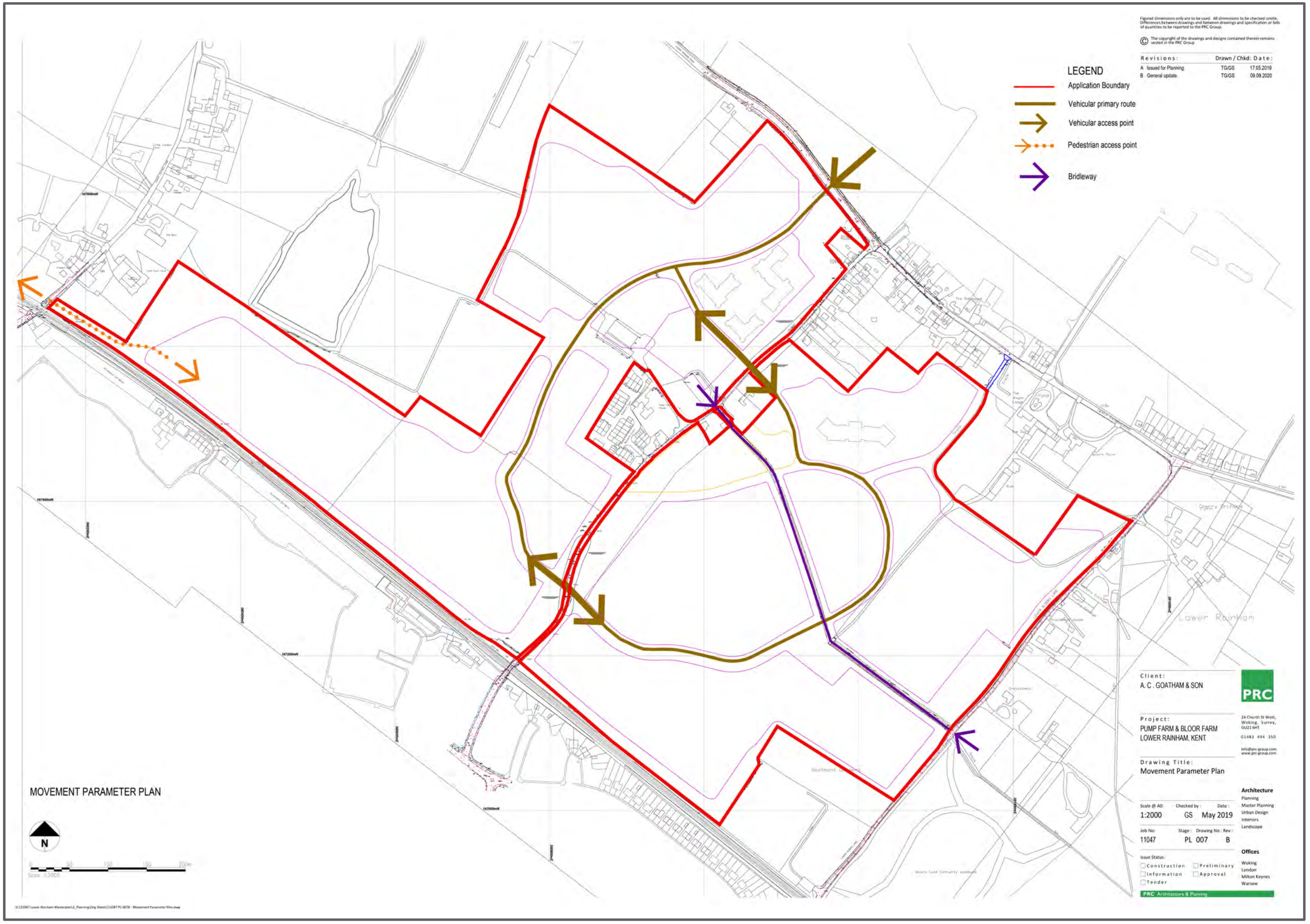

Figure 2.4a - Blue/Green Infrastructure Parameter Plan

FIGURE 2.4a - Green/Blue Infrastructure Parameter Plan

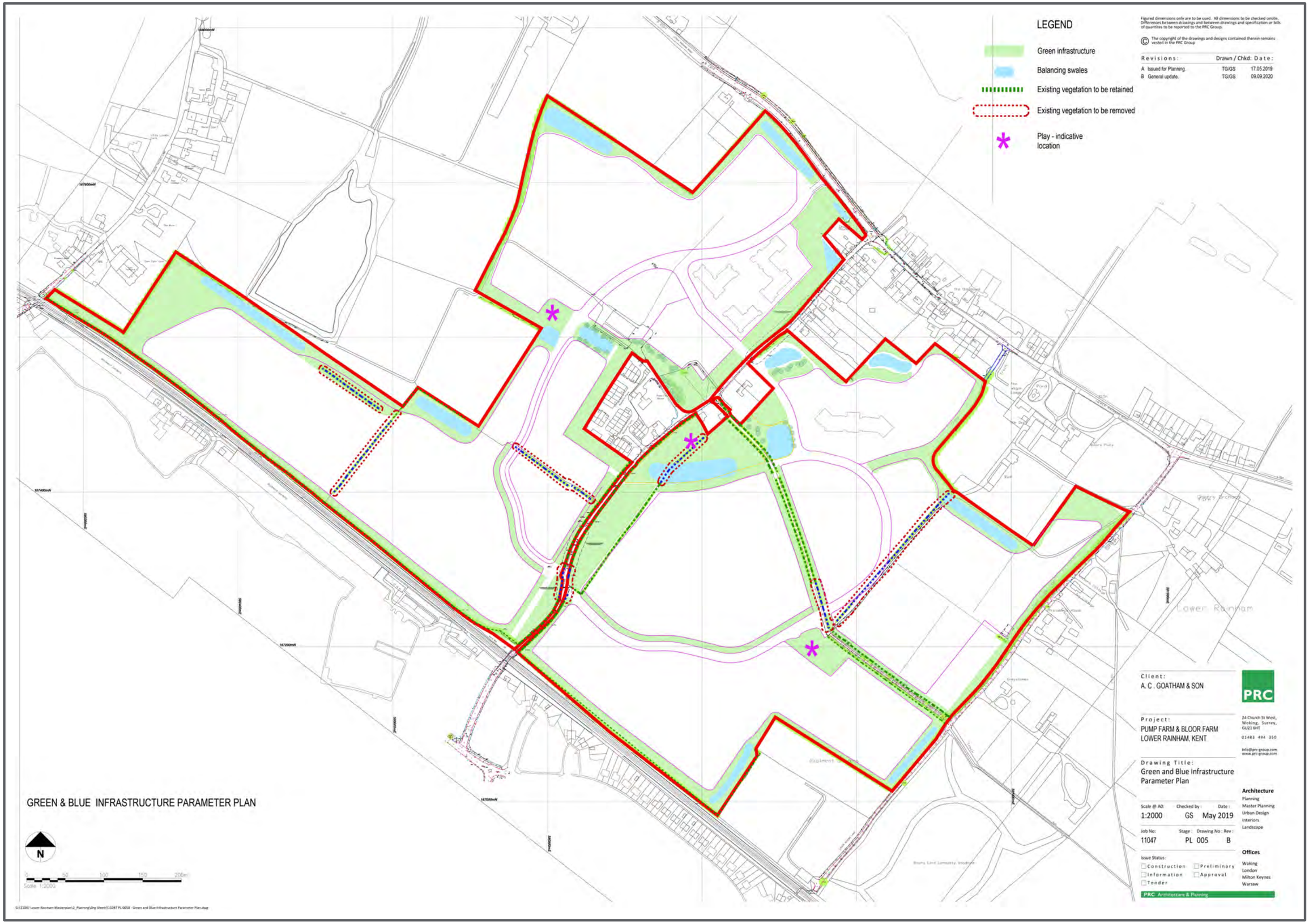

Figure 2.5 - EIA Process

FIGURE 2.5 - Key Stages of EIA Process

ASSESSMENT METHOD

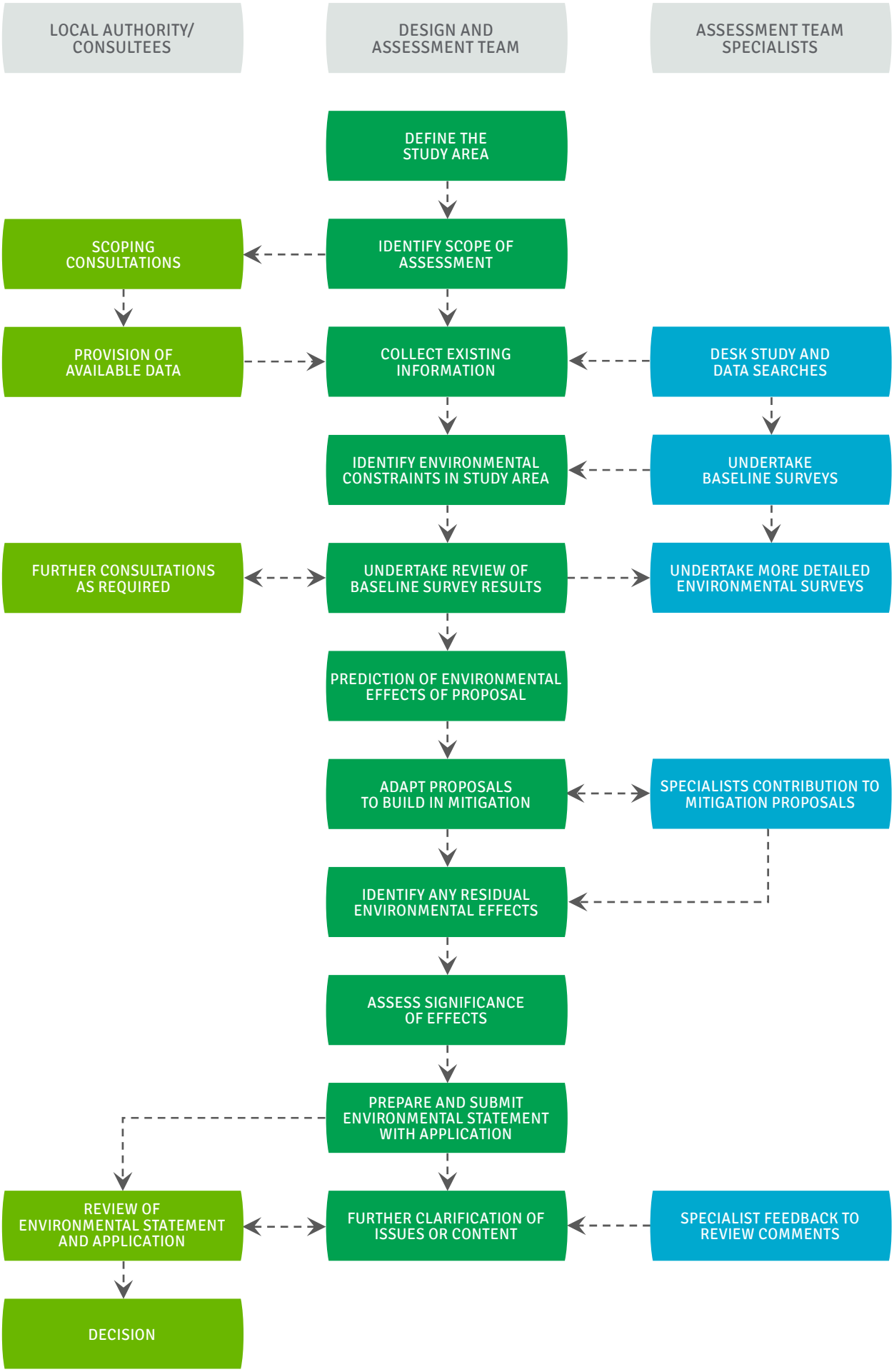

Figure 5.1 - Illustrative Masterplan February 2019

FIGURE 5.1 - Illustrative Site Masterplan

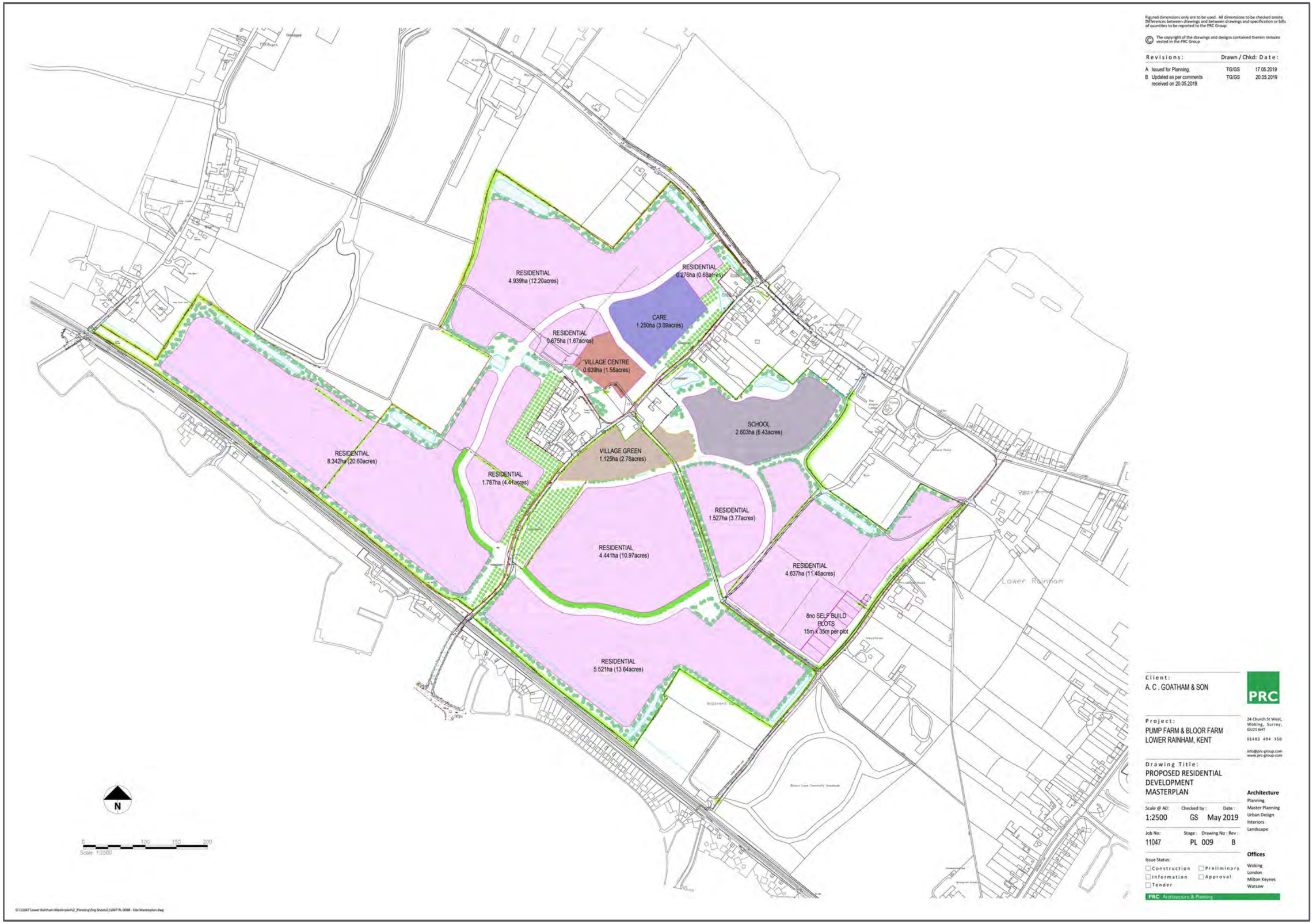

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Figure 8.1 - EA Fluvial Flood Map

Figure 8.1 - EA fluvial flood maps showing approximate site boundary (red line).

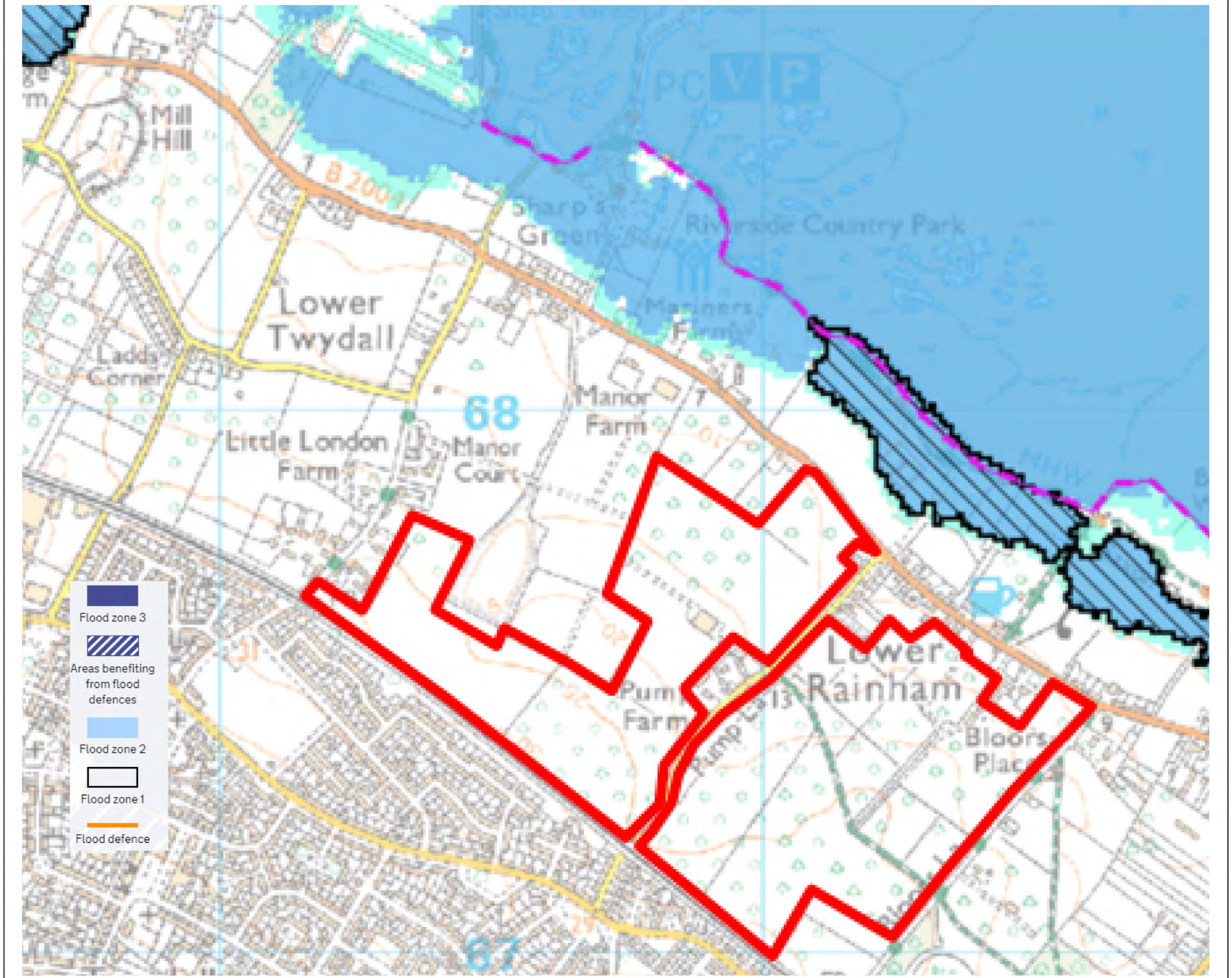

Figure 8.2 - EA Flood Risk from Surface Water

Figure 8.2 - EA flood risk from surface water map showing approximate site boundary (red line).

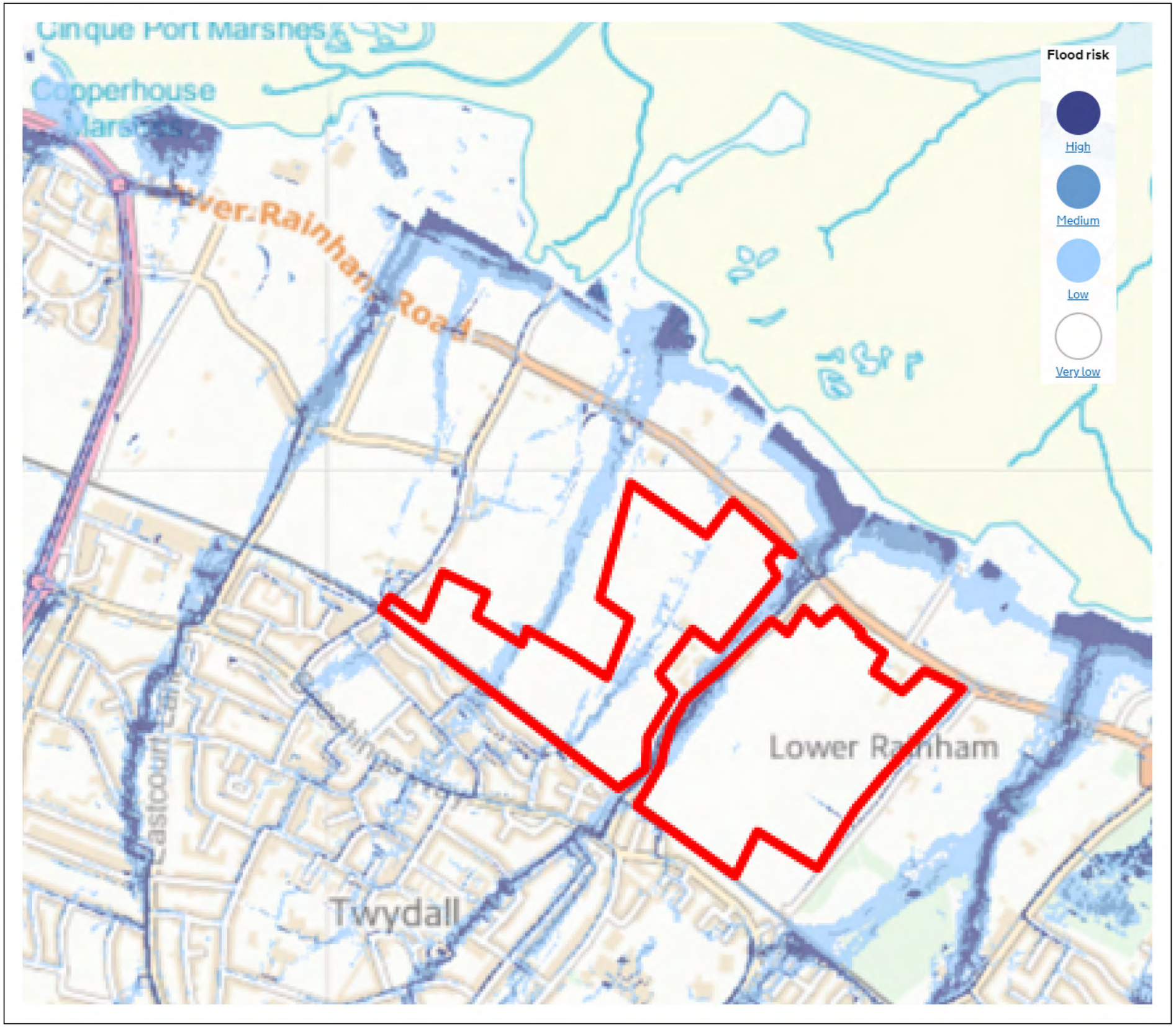

Figure 12.1 - Medway Council AQ Monitoring Stations

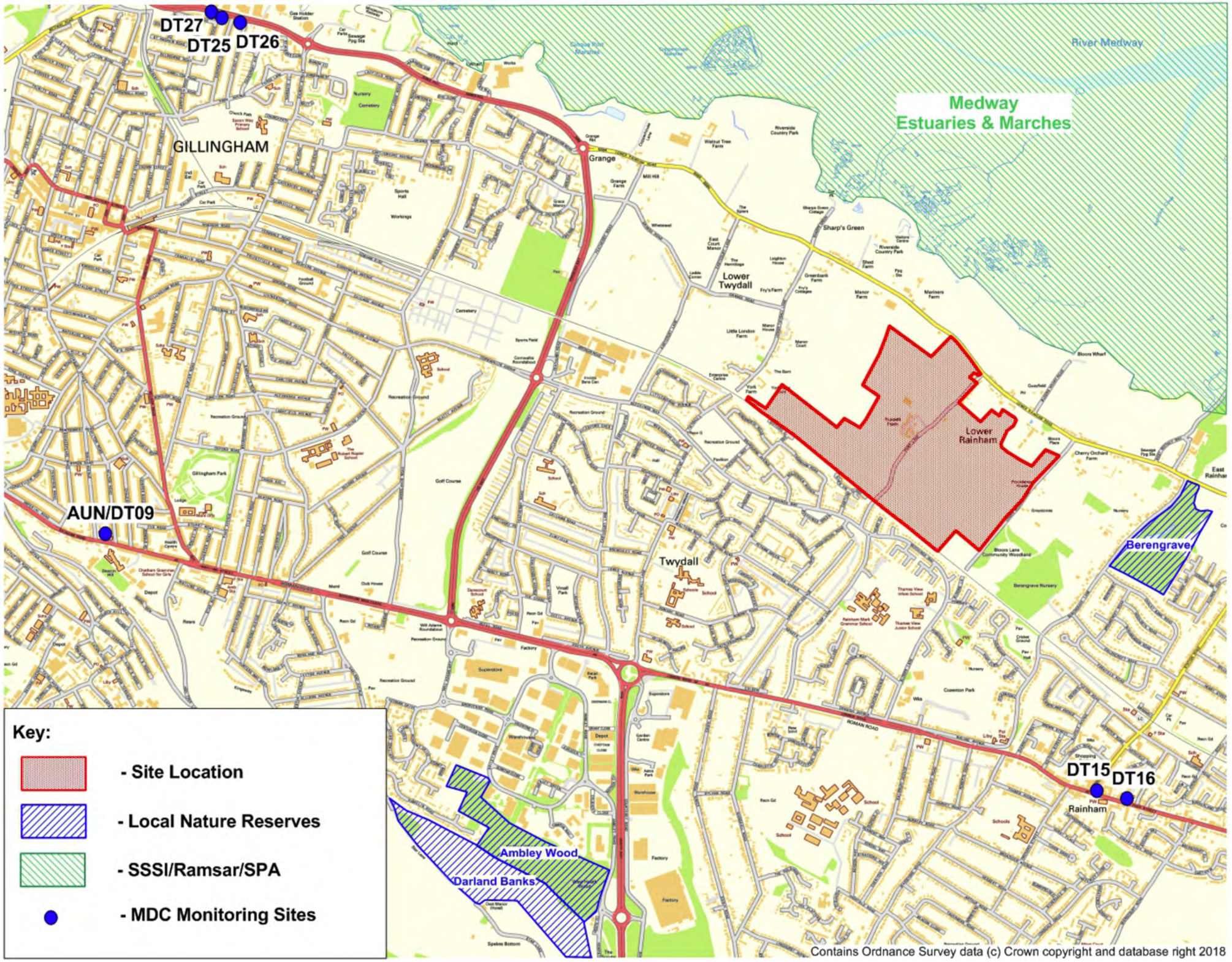
DT27
DT25
DT26
GILLINGHAM
River Medway
Medway
Estuaries & Marches
Grange
Sharp's Green
Lower
Twydall
Lower
Rainham
AUN/DT09
Twydall
Berengrave
DT15
DT16
Rainham
Ambley Wood
Darland Banks
Key:
- Site Location
- Local Nature Reserves
- SSSI/Ramsar/SPA
- MDC Monitoring Sites
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Figure 12.2 - AQ Monitoring Stations 1-30, E1-E5


River Medway
Gillingham Reach
Chatham Historic Dockyard
Brompton
GILLINGHAM
CHATHAM
Lower Twydall
Twydall
Sharp's Green
Grange
Great Lines
Inner Lines
Cinque Port Marshes
E1
E2
E3
E4
E5
1
2
3
4
5
6
7
8
9
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30
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Figure 12.3 - AQ Monitoring Stations 31-34

Figure 12.4 - AQ Monitoring Stations 35-38


35
36
37
38
Hempstead
Wigmore
Wigmore Park
Bredhurst
Church Wood
Lidsing
Dunn Street
Capstone Farm Country Park
Hook Wood
Grove Wood
South Wood
Farthing Wood
Little Knox Farm
Great Knox Farm
Shopping Centre
Chapel Hill Wood
Blowers Wood
Junction 4
Abbots Court Farm
Lidsing Court Farm
Abbey Court Farm
Ivy Farm
Roots Wood
Lords Wood
Reeds Croft Wood
Hall Wood
Hurst Wood Farm
Manor Farm
Mill House
Bredhurst Hurst
Gibraltar Farm
Capstone Stud Farm
Sharstead Farm
Elm Court Industrial Estate
Lordswood Industrial Estate
Fairview Community Primary School
Kemsley Street Farm
Kemsley St
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Figure 12.5 - AQ Monitoring L1 and L2

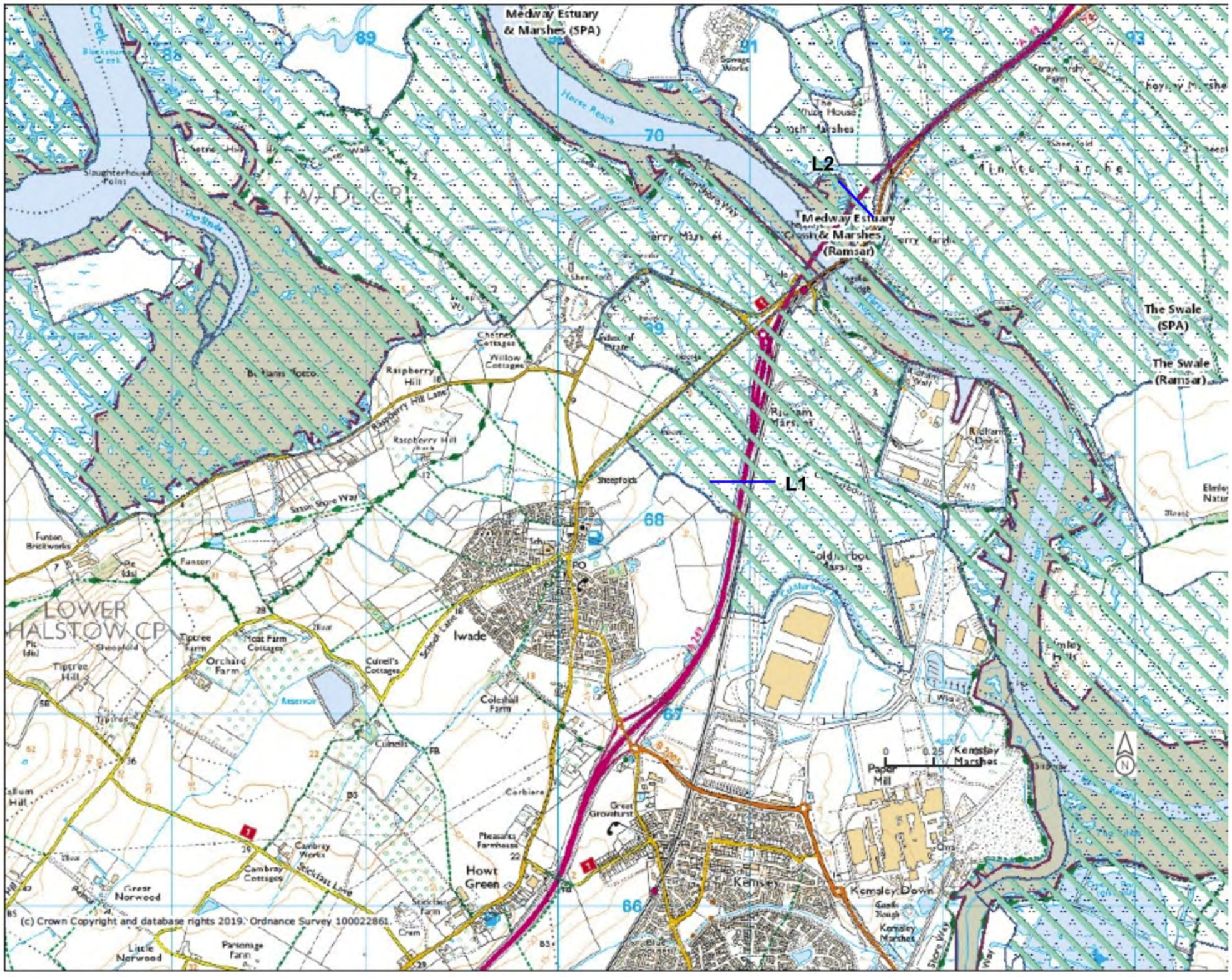
Medway Estuary & Marshes (SPA)
L2
L1
Medway Estuary & Marshes (Ramsar)
The Swale (SPA)
The Swale (Ramsar)
Raspberry Hill
Raspberry Hill Lane
Saxon Shore Way
Sheepfolds
Iwade
Lower Halstow CP
Tiptree Hill
Orchard Farm
Colehall Farm
Howt Green
Kemsley
Kemsley Down
Kemsley Marshes
Great Norwood
Little Norwood
Parsonage Farm
Funton Brickworks
Packer Mill
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Figure 12.6 - AQ Monitoring L3

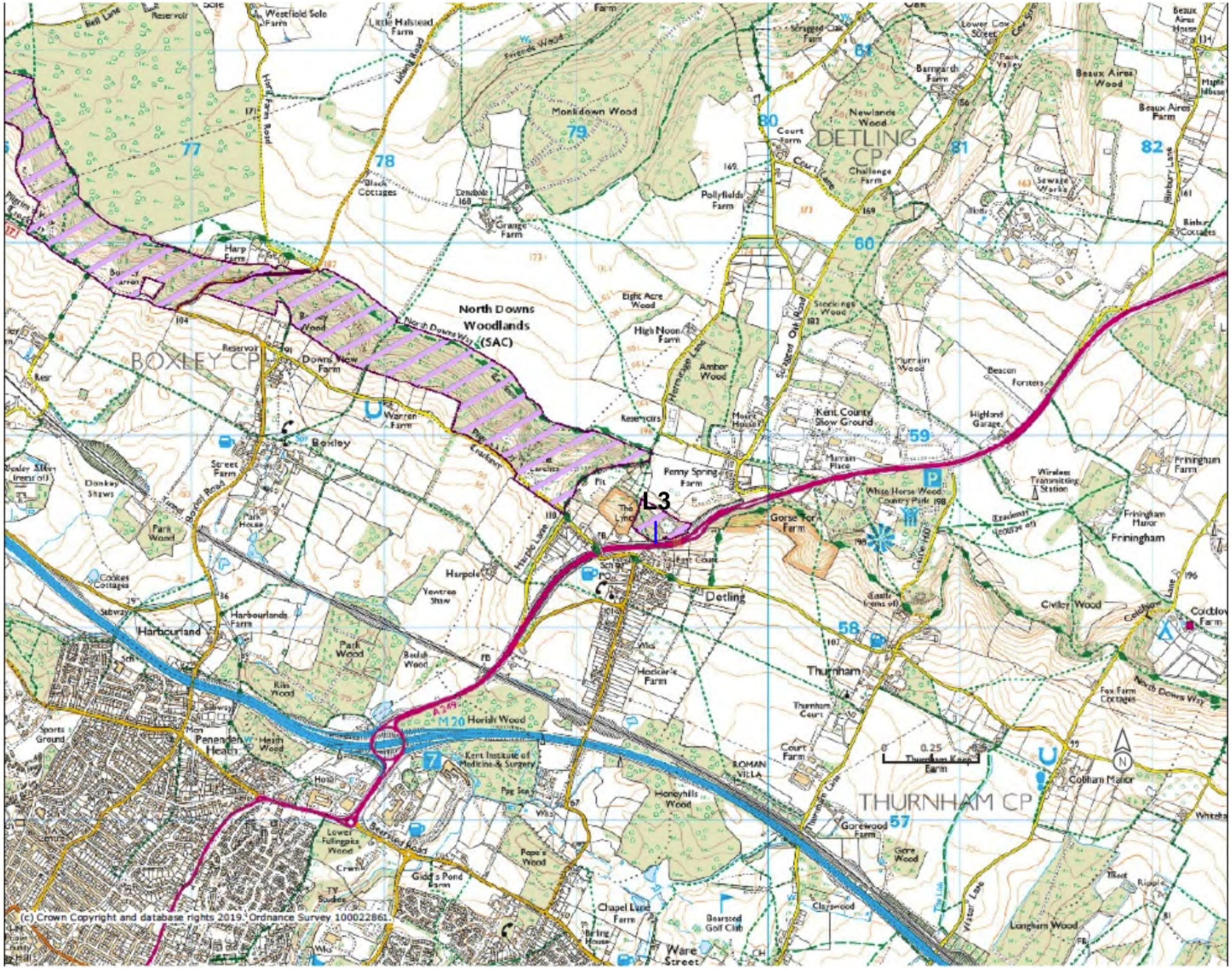
North Downs
Woodlands
(SAC)
L3
BOXLEY CP
DETLING CP
THURNHAM CP
Monkdown Wood
Boxley
Detling
Thurnham
Harbourland
Penenden Heath
Kent County Show Ground
White Horse Wood Country Park
Civiley Wood
Horish Wood
Honeyhills Wood
Pope's Wood
Park Wood
Newlands Wood
Beaux Aires Wood
Eight Acre Wood
High Noon Farm
Amber Wood
Penny Spring Farm
Gorse Fox Farm
Frinningham
Cotham Manor
Longham Wood
Bearsted Golf Club
Ware Street
Chapel Lane Farm
Kent Institute of Medicine & Surgery
M 20
A249
North Downs Way
77
78
79
80
81
82
60
59
58
57
0
0.25
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Figure 12.7 - AQ Monitoring L4


North Downs
L4
North Downs Woodlands (SAC)
Peters Pit (SAC)
BURHAM CP
AYLESFORD CP
BOXLEY CP
Burham
Blue Bell Hill
Kit's Coty
Eccles
Aylesford
Forstal
Sandling
Boxley
River Medway
0 0.25 0.5 km
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Figure 14.1 - Heritage Environmental Areas

FIGURE 14.1 - Heritage Environmental Areas

Figure 14.2 - Designated Heritage Assets

FIGURE 14.2 - Designated Heritage Assets Plan

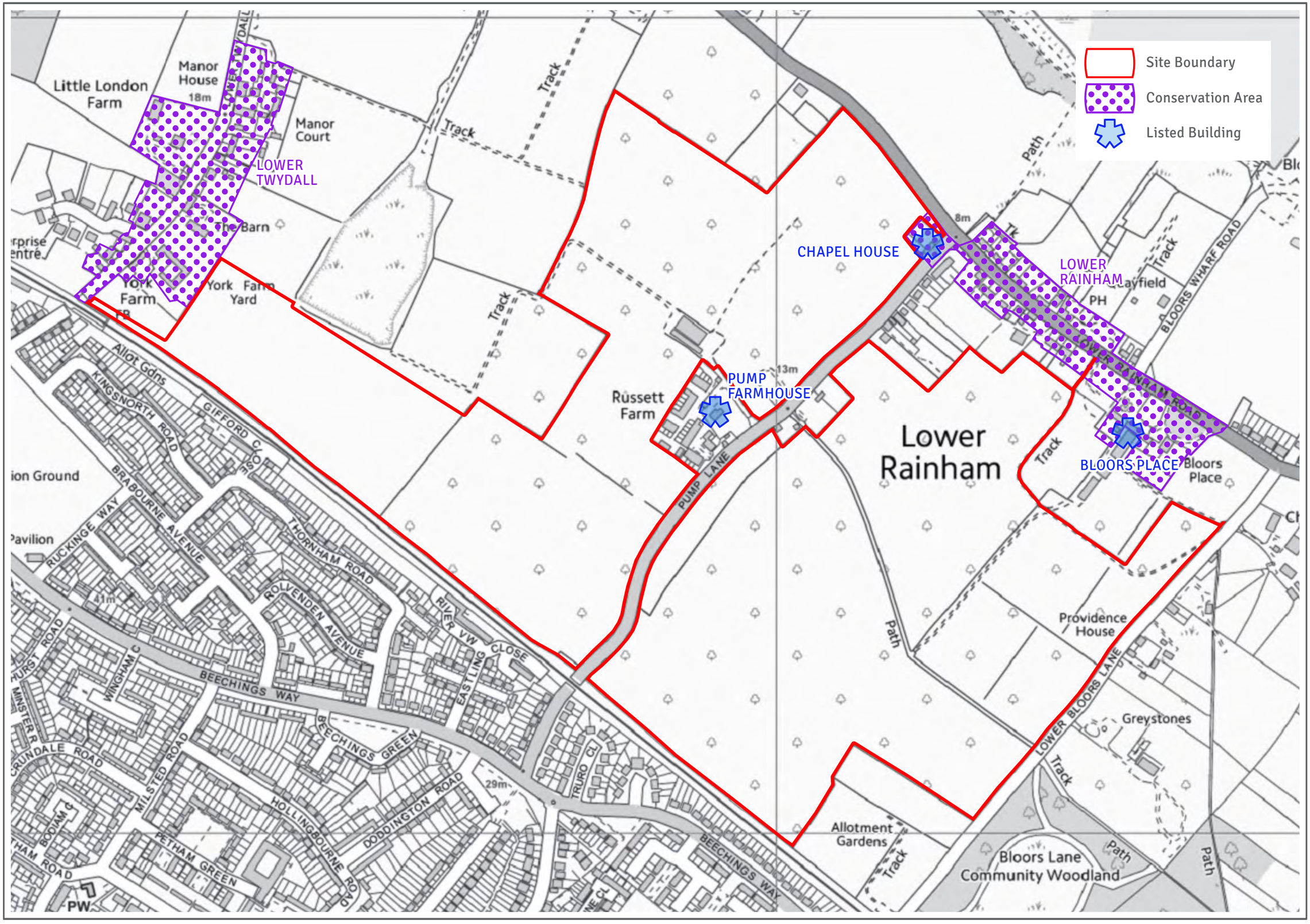


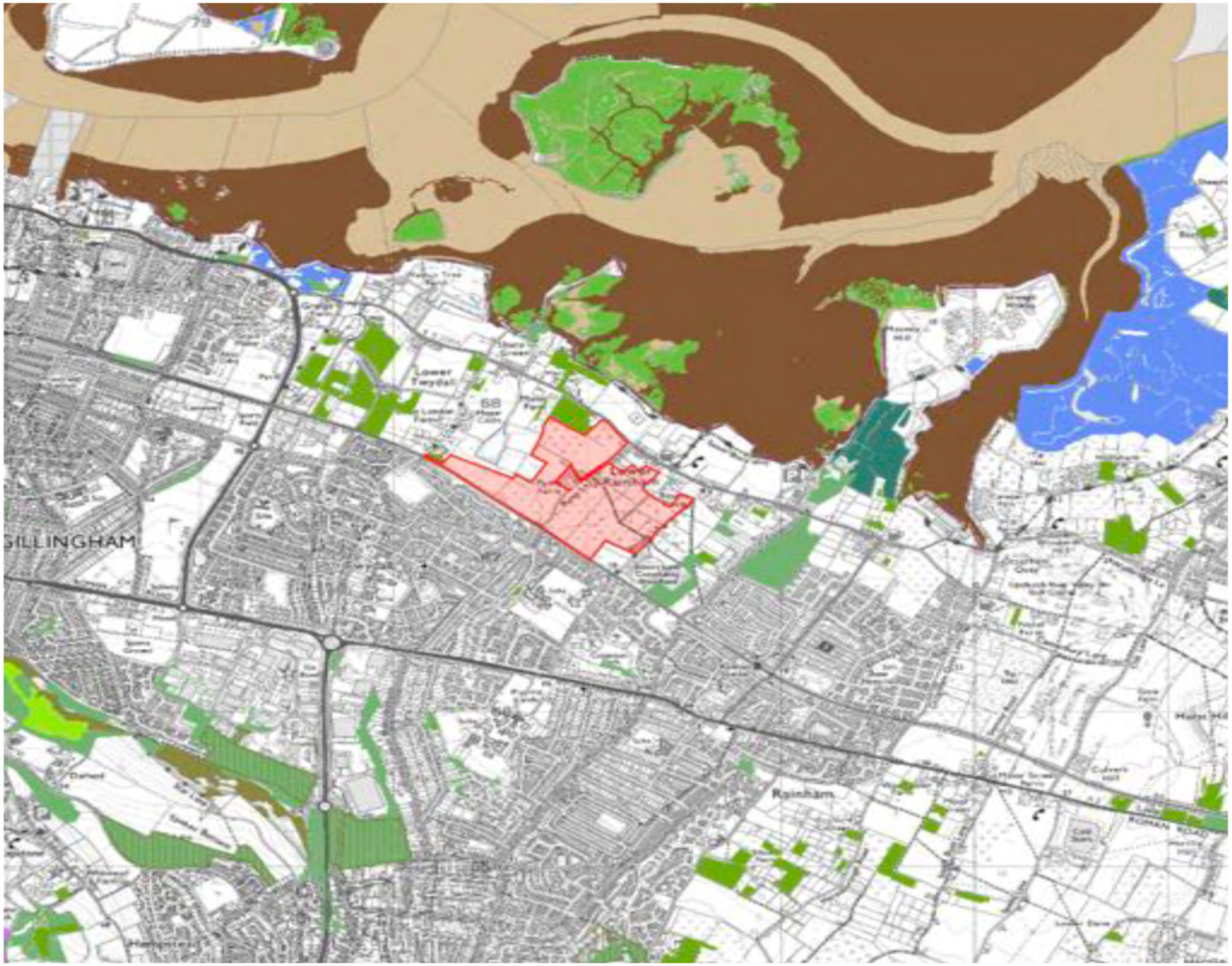
Figure 14.3 - Palaeolithic Potential

FIGURE 14.3 - Palaeolithic Potential

HEA No.	Location	Geology	Palaeolithic potential
HEA.1	Upslope from Twydall Chalk Pit (Palaeolithic find spot – Kent HER: TQ86NW4). Upslope continuation of shallow dry valley	BGS mapping shows Thanet Formation, but possibly up to 2.0m of variable superficial deposits	High potential especially if Palaeolithic material has been derived by slope processes from upslope
HEA.2	Western side of shallow dry valley	BGS mapping shows Thanet Formation, but a thin superficial layer of Head is likely to be present	If Palaeolithic material has been derived from upslope, concentration in dry valleys is likely. This is probably the location of Palaeolithic find spot - Kent HER: TQ86NW205.
HEA.3	Pump Lane dry valley	Head in valley bottom, possibly 3-4m thick; Chalk exposed on valley sides	If Palaeolithic material has been derived from upslope, concentration in dry valleys is likely
HEA.4 & HEA.5	Mid slope, higher ground relative to dry valleys	BGS mapping shows Thanet Formation, but a layer of superficial deposits is likely to be present	These Areas occupy the height range of the Twydall Chalk Pit. If the Twydall Palaeolithic material was associated with undisturbed river terrace deposits, other remnants of such deposits are likely to be preserved at this level
HEA.6 & HEA.7	Higher ground flanking the Twydall Chalk Pit dry valley	BGS mapping shows Thanet Formation, but a thin layer of superficial deposits is likely to be present.	Possible source areas for Palaeolithic material moving downslope to lower ground immediately upslope from Twydall Chalk Pit
HEA.8 & HEA.9	Higher ground flanking the Pump Lane dry valley	BGS mapping shows Thanet Formation, but a layer of superficial deposits is likely to be present	Possible source areas for Palaeolithic material moving downslope to lower ground in Pump Lane dry valley
HEA.10 & HEA.11	Lower slope, below the height range of the Twydall Chalk Pit	Head in HEA.10; Head on the lower ground in HEA.11, Thanet Formation on the higher ground	Low Palaeolithic potential. Possibility of artefacts derived from upslope.

Figure 15.1 - Habitats on and Around the Site

Figure 15.1 - Habitats on and Surrounding the Site (shown in red).



Priority deciduous woodland is shown in green

Ancient woodland shown by orange hatching

The green to the north indicates coastal saltmarsh

Blue indicates coastal and floodplain grazing marsh

Brown shows mudflats

Beige shows the intertidal mud habitats

teal shows reedbeds

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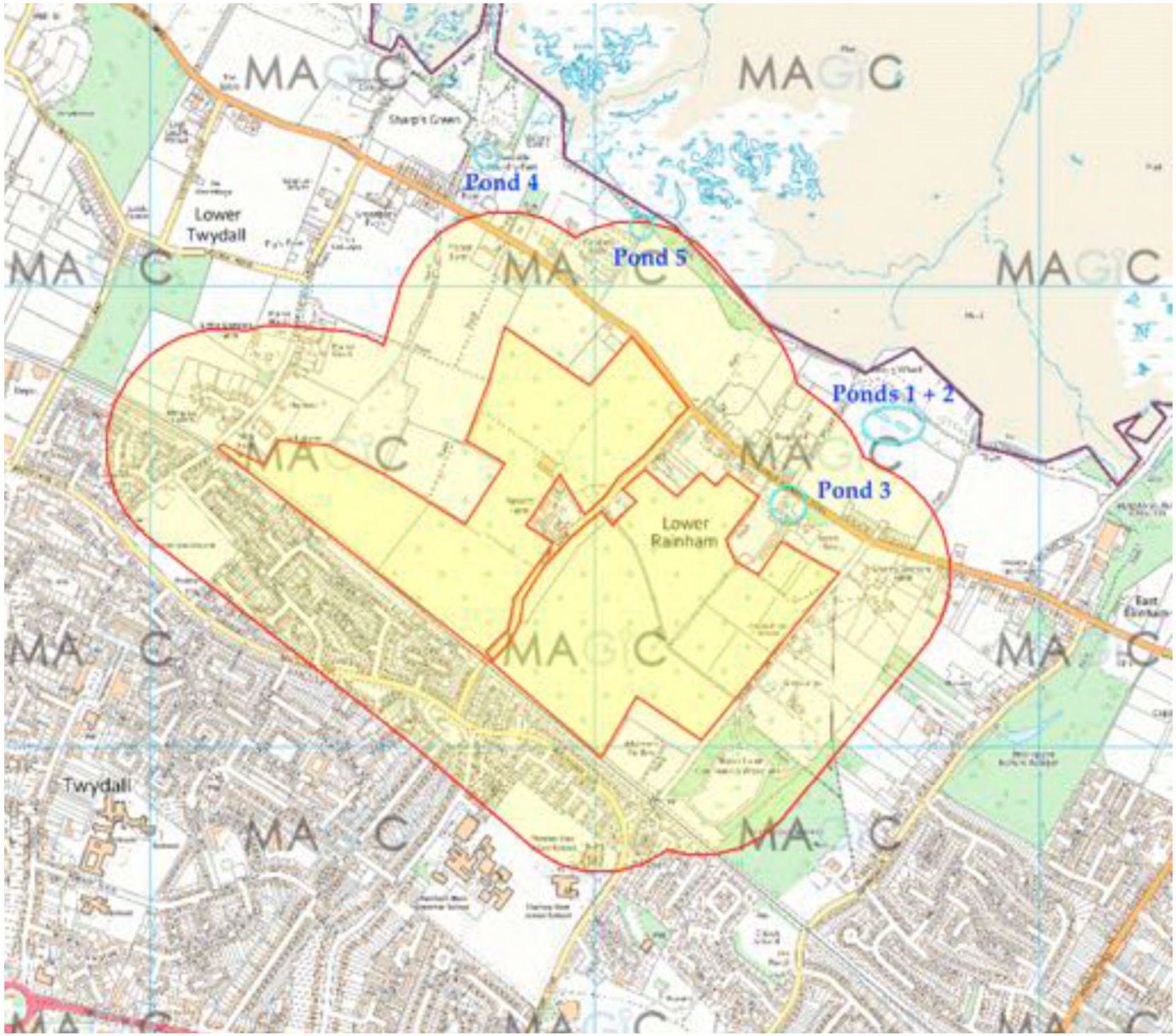
Figure 15.2 - Location of Mammal Holes

Figure 15.2 - Location of the mammal holes on site.

Figure 15.3 - Waterbodies within 250m of Site Boundary

Figure 15.3 - Waterbodies within 250m in relation to the site boundary.



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