

Woodhouse Farm Cottage

Woodhouse Farm Cottage

Woodhouse Farm

The Lodge

Wayfarers Site

Polish Site

Wayfarers Site

Bumby Hall

0 100 200 300 m

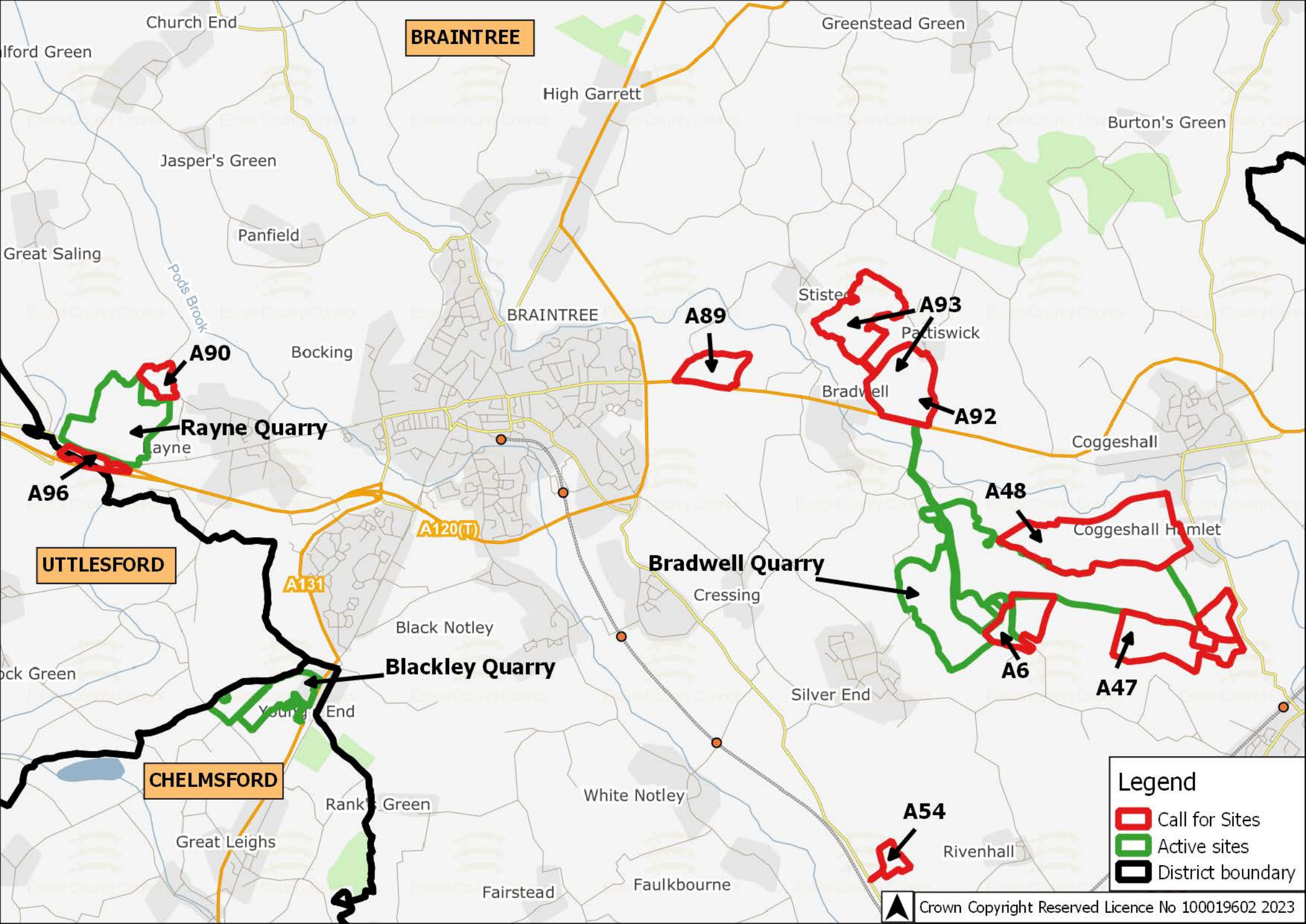
**Bradwell Quarry
A6**

Legend

 Site Boundary



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BRAINTREE

A120(T)

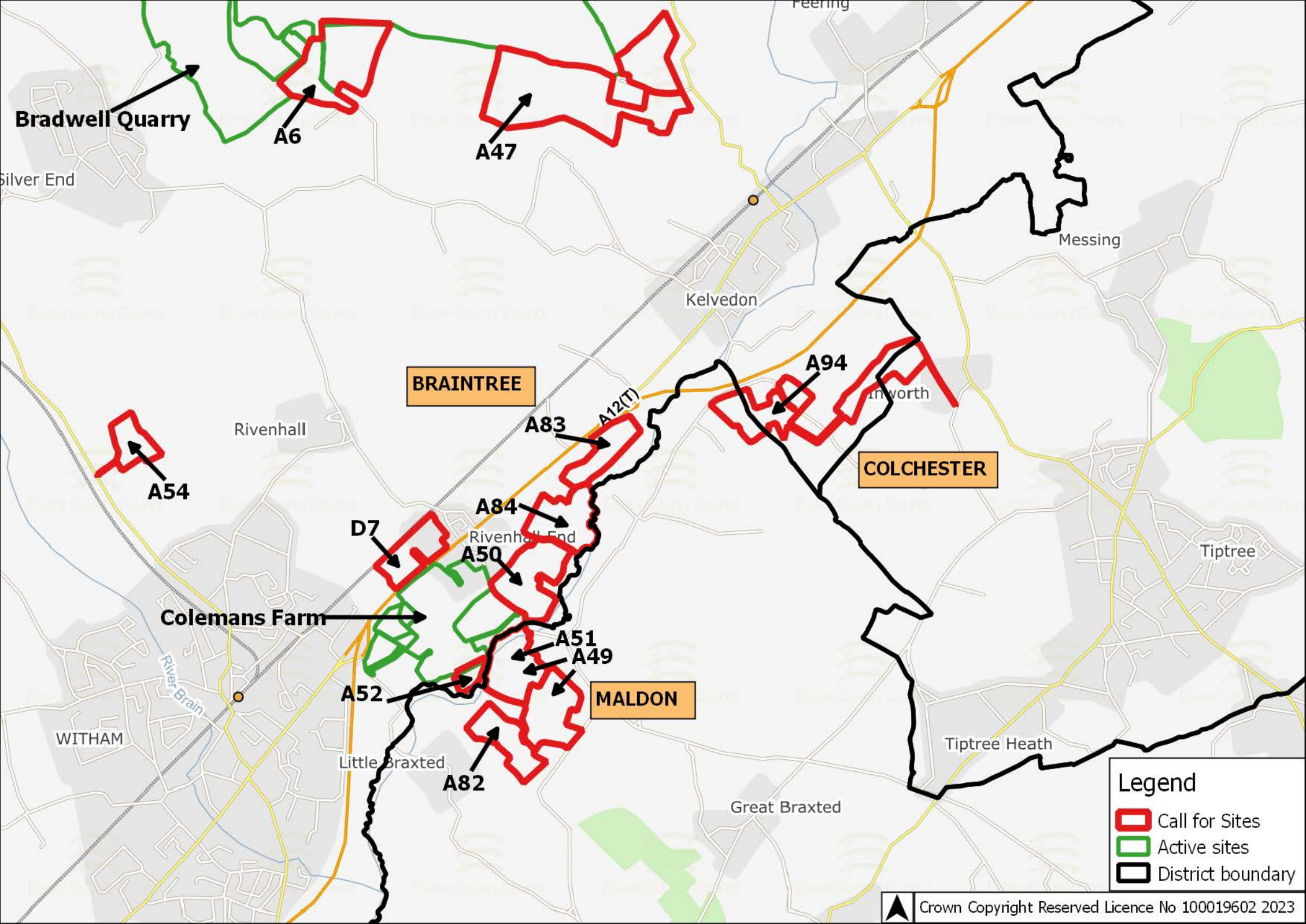
A131

UTTLESFORD

CHELMSFORD

Legend

- Call for Sites
- Active sites
- District boundary



Bradwell Quarry

A6

A47

Silver End

Kelvedon

Messing

BRAINTREE

COLCHESTER

Rivenhall

Inworth

A54

A83

A12(T)

A94

D7

A84

Rivenhall End

A50

Coleman's Farm

River Brain

A51

A49

MALDON

A52

Little Braxted

A82

WITHAM

Tiptree

Tiptree Heath

Great Braxted

Legend

-  Call for Sites
-  Active sites
-  District boundary

<i>Candidate Site Reference</i>	<i>Candidate Site Name</i>	<i>District</i>	<i>Existing use</i>	<i>Site Area (ha)</i>	<i>Potential Yield (million tonnes)</i>
A6	Bradwell Quarry (a)	Braintree	Agricultural	37.5	2.5

The Site is proposed to be an extension to an existing mineral site (Bradwell Quarry) and is located adjacent to the south-eastern boundary of Bradwell Quarry. The Site area is approximately 37.5 ha and is proposed for 2.5 million tonnes of sand and gravel extraction. The Site operations would be in sequence to mineral operations across Site A7 within the MLP 2014. The adjoining uses include the existing Bradwell Quarry and agricultural fields. The village of Silver End is located to the west of the Site. This Site would be accessible from the existing main Site access via the A120. See Appendix J for a detailed map of the Site.

Summary of RAG Assessment

The results of the technical and desktop RAG assessment are detailed below.

Landscape and Visual Sensitivity	Biodiversity	Historic Buildings	Archaeology	Flooding	Transport	Access	Public Rights of Way	Geo-Environmental	Hydrology, Hydrogeology and Drainage	Air Quality	Soil Quality	Services & Utilities	Health & Amenity	Green Belt	Airport Safeguarding Zones
Red/Amber	Red/Amber	Red/Amber	Amber	Amber	Green	Green	Red/Amber	Green	Red/Amber	Green	Amber	Amber	Red	Green	Green

Key findings of the assessment are as follows:

- The Site possesses few characteristic features of the Blackwater/Brain/Lower Chelmer Valleys (C6) Landscape Character Area (LCA), which includes the predominantly arable farmland and well hedged fields. The River Blackwater and associated valley features have limited presence within the immediate landscape, and therefore reduces the sensitivity of the Site to minerals extraction. Consideration for appropriate enhancement of field hedgerow condition should be considered to mitigate the impacts on landscape and visual impact.
- Storey's Wood (reference Bra178) Local Wildlife Sites LoWS is situated immediately beyond the southern boundary. This is an Ancient Woodland and is therefore classed as irreplaceable habitat. Upney Wood LoWS is c.216 to the east.
- The Site comprises arable fields. It contains boundary and internal hedgerows and lines of mature trees, which are Priority habitats, ditches, and ponds. There is a relatively large area of agricultural grassland in the east and there are areas of Lowland Mixed Deciduous Woodland Priority Habitat. To the

south of the Wayfarers Site is an area of Lowland Mixed Deciduous Woodland Priority habitat, with a pond, and this area would be removed.

- The Site is graded Red-Amber because it could have major impacts upon the adjacent ancient woodland, which is an irreplaceable habitat, and a serious impact upon the LoWS and Priority habitats and species and is likely to require high levels of mitigation to make the Site acceptable. Impacts may include changes to the hydrology of the veteran tree and ancient woodland, smothering of leaves by dust, disturbance e.g. by noise and lighting. It could result in the direct loss Woodland and Hedgerow Priority habitats, loss of ponds and watercourses, grassland, and habitat for Priority farmland species.
- Any application would require demonstration that it would not affect the hydrology of the ancient and Priority habitat Woodlands, candidate veteran trees, retained Hedgerows, ditches and water bodies and appropriate buffers should be provided. It is likely that mitigation would require a substantial buffer from the ancient woodland in accordance with the Government's Advice on ancient woodlands. The water quality of the retained ponds and watercourses should not be allowed to deteriorate. Adequate and appropriate compensatory habitat should be provided for the loss of Hedgerow and Woodland Priority habitats, watercourses, ponds, other habitats and for farmland birds.
- Development on this Site would likely cause high levels of less than substantial harm to the significance of three listed buildings which are in close proximity to the boundary of the Site. These are: Woodhouse Farmhouse (Grade II, List UID: 1123843), Ancillary building/Brewhouse, Woodhouse Farm (Grade II, List UID: 1123844) and The Pump at Woodhouse Farm (Grade II, List UID: 1169918).
- Two designated heritage assets are within the red line boundary for the Site but excluded from the phased extraction. These are Allshot's Farmhouse (Grade II: List UID: 1337612) and Barn 45m North West of Allshot's Farm (Grade II, List UID: 1169906). As all designated heritage assets are close to or within the red line boundary of the Site, mitigation such as planting or screening could lessen this harm however it is unlikely that a neutral impact will be possible.
- There are non-designated heritage assets also within the wider setting of the Site, which form part of the former RAF base which was operational here during the Second World War. Braintree District Council have no formal Local List, however recent applications at the Site relating to Bradwell Quarry and the consented Integrated Waste Management Facility (currently in construction) have identified the squadron offices and other structures as non-designated heritage assets during the planning process.
- The undeveloped, agrarian landscape of the Site contributes to the setting and significance of these assets and the fundamental change in land use and land character would undermine the ability to understand and appreciate their significance.

- The Site lies within an area of archaeological features as identified through archaeological evaluation. The archaeological sites identified are limited in scale and are of local to regional significance.

There are no identified sites within the area of archaeological evaluation which would require preservation in situ. Any areas which have not yet had archaeological evaluation will require archaeological trial trenching and assessment for the survival of WWII buildings or structures.

- The Site is assessed as having a 'high' potential for surface water flood risk as identified within the SFRA. The Site has been identified as having a 'low' groundwater flood risk. The Site is entirely within Flood Risk Zone 1 and therefore is not at risk from fluvial flooding. One Public Right of Way crosses the Site. Three Public Rights of Way border the Site. Three Public Rights of Way are within 100m of the Site. Appropriate consideration would be needed to mitigate potential impacts on these Public Rights of Way and high levels of mitigation may be required which is likely to include diversion especially with regard to the Public Right of Way crossing the Site.
- The Site is within Zone III - Total Catchment Groundwater SPZ and has low groundwater vulnerability. The Site is within a Drinking Water Safeguard Zone (Surface Water) and is within Drinking Water Protection Areas (Surface Water). There are three small water bodies within the Site boundary. Appropriate consideration would be required to mitigate potential impacts on hydrology, hydrogeology, and drainage – high levels of mitigation may be required.
- The Site contains Grade 2 quality soil (very good quality agricultural land) which is BMV land. Appropriate consideration would be required to mitigate the impacts on soil quality and agricultural land – this is likely to include removal of soils for stockpiling prior to reuse, potentially in site restoration.
- The Site contains 11kV underground and overhead electricity cables as well as low voltage underground cables which supply the existing on Site buildings. Multiple overhead and underground Openreach BT power lines are within the Site boundary. On Site buildings are supplied by local Anglian Water mains which are within the Site boundary. Utilities supplying existing on site buildings that may be demolished will be disconnected. Further investigation and consultation would be needed to determine appropriate mitigation measures to make the Site acceptable which may include diversion and/or protection of services and utilities.
- Two residential buildings, three commercial buildings, and one building of unknown use are within the Site. Six commercial buildings (Allshots Enterprise Area) are adjacent to the boundary of the Site (0m). Five commercial buildings (Allshots Enterprise Area) are outside the Site boundary less than or equal to 20m from the Site. Six commercial buildings (Allshots Enterprise Area) and one farm building are more than 20m but less than or equal to 50m from the Site. Two residential buildings and one farm building are more than 50m but less than or equal to 250m from the Site. Given the

proximity of sensitive receptors, mitigation would be required, however, the levels of mitigation required to ensure that there are no serious impacts on health and amenity would likely be difficult to achieve.

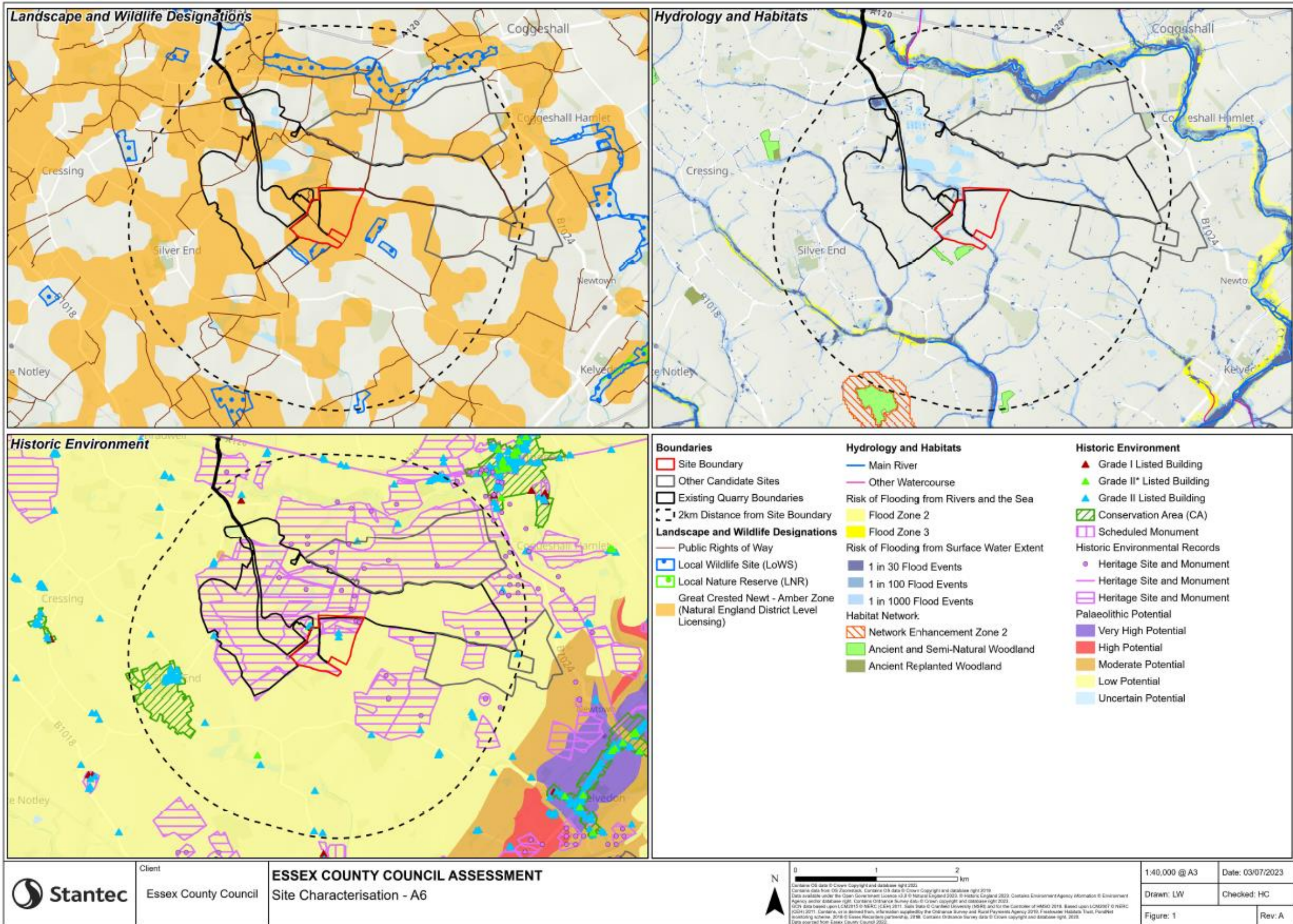


Figure 3.1: A6 - Bradwell Quarry (a)

The information and maps above represent a summary of the site assessment. You are encouraged to view the methodology and more detailed assessment for each site within appendices B-I. These can be found on the Candidate Sites Assessment webpage on our consultation pages:

www.essex.gov.uk/minerals-review

Appendix B - Landscape and Visual Sensitivity

Appendix C - Biodiversity

Appendix D - Historic Buildings

Appendix E - Archaeology

Appendix F - Flooding

Appendix G - Transport

Appendix H – Access

Appendix I - Public Rights of Way, Geo-Environmental, Hydrology, Hydrogeology & Drainage, Air Quality, Soil Quality, Services & Utilities, Health & Amenity, Green Belt, and Airport Safeguarding Zones