



**KEY:**  **Proposed sites**

Scale 1:10000 0 Metres 300 

Minerals Specific Site Allocation  
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 **Suffolk**  
 County Council

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**Sites 1A and 2A:  
 Waldringfield Quarry:  
 Revised Proposals**

## Site Selection Criteria - no priority order

<b>Site 1A</b>	Waldringfield
<b>Proposer</b>	Brett Aggregates Ltd
<b>Area</b>	60 ha
<b>Estimated resource</b>	1.0mt

**1 In principle, could mineral working take place at this location without an unacceptable level of impact on the environment taking into account the following:**

<b>a</b>	<b>Extent to which infrastructure already in place</b> Washing, grading and concrete batching plant within existing quarry
<b>b</b>	<b>Proximity to settlements/individual dwellings</b> Site adjoins holiday caravan park on northern boundary. Nearest residential property lies 100 metres to north east and north west.
<b>c</b>	<b>Potential for buffer strips</b> Existing screen bunds and trees screen caravan park. Buffer strips required to eastern north western and southern boundaries
<b>d</b>	<b>International nature conservation designation constraints</b> No international nature conservation designation constraints
<b>e</b>	<b>National nature conservation/geological designation constraints</b> Geological SSSI within northern face of existing quarry would be disturbed and would need to be replaced at suitable location within extended area.
<b>f</b>	<b>Local nature conservation designation constraints</b> No local nature conservation designation constraints
<b>g</b>	<b>Impact on biodiversity/geodiversity</b> No other known impacts on biodiversity/geodiversity but possible temporary impact on farmland birds
<b>h</b>	<b>Impact on the water environment</b> Site falls within 250 metres of landfill site. Mineral operator would be required to demonstrate to Environment Agency that landfill is not giving rise to release of any gas that would give rise to harmful impacts. Extraction is expected to be close to,

	but above, the water table with no impact on water environment.
<b>i</b>	<b>National landscape designation constraints</b> No national landscape designation constraints. AONB lies some 200 metres to east.
<b>j</b>	<b>Visual impact and Landscape Character</b> Flat open landscape
<b>k</b>	<b>Access arrangements to the site</b> Use of existing access
<b>l</b>	<b>Direct and/or convenient access to the Suffolk Strategic Lorry Route Network</b> Short section of class III road to A12/14
<b>m</b>	<b>Impact on existing road network and road users</b> No objection subject to no material increase in the volume of traffic on the C356. All traffic routed direct to A12.

<b>2 In principle would it be practicable for the site to be restored to an after use which:</b>	
<b>a</b>	<b>Promotes biodiversity</b> Biodiversity possibilities in conjunction with adjoining quarry area as part of a comprehensive restoration.
<b>b</b>	<b>Provides potential for public access and enjoyment after restoration</b> No known potential for public access after restoration
<b>c</b>	<b>Provides potential for promoting landscape enhancement</b> Comprehensive approach would result in a change in the landscape by introducing a low level restoration over a larger area than currently permitted.
<b>d</b>	<b>Does not endanger air traffic safety (by way of bird strike)</b> Would not endanger aircraft safety.

**3 Is geological evidence available to indicate with sufficient confidence that a mineral is present at a suitable quality and in workable quantities?**  
 Geological/BGS evidence in existing quarry indicates presence of viable deposit. Operator to undertake further borehole investigation.

**4 Is there any known reason why the land in question could not become available for extraction before the stated end date of the plan? (2016, 2018, or 2021)**  
 Applicants consider land would be available during plan period

**General Observations**

The presence of BT infrastructure is said to no longer a constraint to mineral working beyond that put forward in Site 1. Adequate margins would need to be provided to adjoining caravan site although the presence of existing screen bunds within the holiday park provide a level of protection. Buffer land to protect residential property and visual amenity to south east and north required.

The extended area would need archaeological investigation.

**Restoration**

A relatively shallow excavation of 4 metres is proposed with no importation of fill

**Conclusion of Sustainability Appraisal**

Impact	Site 1a: Waldringfield	
	MT	LT
++	0	0
+	1	1
0/+	1	0
0	13	18
+/-	0	0

0/-	2	0
-	0	0
--	2	0
?	1	1

There are 20 Sustainability Appraisal objectives in total

Key: MT= **medium-term** (the extraction phase), LT= **long-term** (the post-extraction/ restoration phase)

0= **no or neutral impact**, ++ = **very positive impact**, + = **positive impact**, -- = **very negative impact**,  
 - = **negative impact**, +/- = **could be positive or negative**, 0/- = **neutral or negative impact**,  
 0/+ = **neutral or positive impact**, ? = **unknown impact**

The Sustainability Appraisal notes that SA objective 7 (biodiversity/ geodiversity) is affected negatively during the extraction, as a geological SSSI that adjoins the proposed site boundary may be difficult to recreate elsewhere. There may be positive effect on biodiversity in the long-term if comprehensive restoration proposals for the quarry are undertaken. The proposed site is located near to Scheduled Monuments (SA objective 4- archaeological sites) which may be impacted during extraction. The site scores positively for the SA objective 18 (promoting efficient movement patterns) as there is good access to the A12/A14. The nearest residential properties lie just 100m away from proposed boundary and these could be impacted during extraction (SA objective 15- improving quality of where people live).

## Site Selection Criteria - no priority order

<b>Site 2 A</b>	Waldringfield
<b>Proposer</b>	Brett Aggregates Ltd
<b>Area</b>	32 ha
<b>Estimated resource</b>	1.00 tonnes minimum

**1 In principle, could mineral working take place at this location without an unacceptable level of impact on the environment taking into account the following:**

<b>a</b>	<b>Extent to which infrastructure already in place</b> Washing, grading and concrete batching plant within existing quarry
<b>b</b>	<b>Proximity to settlements/individual dwellings</b> Nearest property is 100 metres from southern boundary
<b>c</b>	<b>Potential for buffer strips</b> Screen bunding/margins appropriate to southern and western boundary
<b>d</b>	<b>International nature conservation designation constraints</b> No international nature conservation designation constraints
<b>e</b>	<b>National nature conservation/geological designation constraints</b> No national nature conservation/geological designation constraints
<b>f</b>	<b>Local nature conservation designation constraints</b> No local nature conservation designation constraints
<b>g</b>	<b>Impact on biodiversity/geodiversity</b> No known impact on biodiversity/geodiversity but possible temporary impact on farmland birds
<b>h</b>	<b>Impact on the water environment</b> Site falls within 250 metres of landfill site. Mineral operator would be required demonstrate to Environment Agency that landfill is not giving rise to release of any gas that would give rise to harmful impacts. Extraction is expected to be close to, but above the water table with no impact on the water environment.
<b>i</b>	<b>National landscape designation constraints</b> No national landscape designation constraints

<b>j</b>	<b>Visual impact and Landscape Character</b> Relatively flat open landscape
<b>k</b>	<b>Access arrangements to the site</b> Use of access to existing quarry.
<b>l</b>	<b>Direct and/or convenient access to the Suffolk Strategic Lorry Route Network</b> Short section of class III road to A12/A14
<b>m</b>	<b>Impact on existing road network and road users</b> No objection, subject to no material increase in the volume of traffic on the C356. All traffic routed to A12.

<b>2 In principle would it be practicable for the site to be restored to an after use which:</b>	
<b>a</b>	<b>Promotes biodiversity</b> Limited biodiversity potential
<b>b</b>	<b>Provides potential for public access and enjoyment after restoration</b> Existing footpath would need to be reinstated on restoration. No other known potential for public access/enjoyment
<b>c</b>	<b>Provides potential for promoting landscape enhancement</b> Some potential for landscape enhancement through tree planting
<b>d</b>	<b>Does not endanger air traffic safety (by way of bird strike)</b> Would not endanger air traffic safety.

<b>3 Is geological evidence available to indicate with sufficient confidence that a mineral is present at a suitable quality and in workable quantities?</b> Trial pits undertaken in Area 1 confirm viable deposit. Additional area proposed to be subject to further testing.
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**4 Is there any known reason why the land in question could not become available for extraction before the stated end date of the plan? (2016, 2018, or 2021)**

Early working of this area preferred to avoid any impact on the proposed Suffolk Innovation Park on site frontage to A12

**General Observations**

Proposed extended area would require archaeological investigation. Footpath would need to be diverted during excavation.

Timing of excavation crucial to the proposed development of the frontage land for innovation park, as would be the final levels and gradients of the restored site.

**Restoration**

Average gravel thickness 4 metres and restoration would be at lower level. No importation of inert wastes proposed.

**Conclusion of Sustainability appraisal**

Impact	Site 2a: Waldringfield	
	MT	LT
++	0	0
+	1	0
0/+	1	1
0	11	17
+/-	0	0
0/-	2	0
-	2	0
--	2	0
?	1	2

There are 20 Sustainability Appraisal objectives in total

Key: MT= **medium-term** (the extraction phase), LT= **long-term** (the post-extraction/ restoration phase)

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The Sustainability Appraisal for Site 2a reveals that SA objective 12 (offer everyone an opportunity for employment) may be negatively affected by an extension as there is less likelihood of new jobs being created in this case. The site will include Scheduled Ancient Monuments, which will need protection in order to avoid any adverse impact (SA objective 4- archaeological sites).

SA objective 14 (to maintain health of population overall) will also be affected as there is a footpath running through the proposed site. The proposed site adjoins Sheep Drift Farm, which could negatively impact the farm itself and the houses surrounding it (SA objective 15- improve quality of where people live).

The proposed site provides good access to the A12/A14 (SA objective 18- promote efficient movement patterns). In the long-term, SA objective 7 (conserving biodiversity/geodiversity) has an uncertain impact as part of the proposed site may be used for business development of Adastral Park.