



West Sussex County Council

A29 PHASE 1

Environmental Statement Addendum





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TYPE OF DOCUMENT (VERSION) PUBLIC

PROJECT NO. 70079718

DATE: MAY 2021

WSP

Mountbatten House
Basing View
Basingstoke, Hampshire
RG21 4HJ

Phone: +44 1256 318 800

Fax: +44 1256 318 700

WSP.com



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QUALITY CONTROL

Issue/revision	First issue	Revision 1	Revision 2	Revision 3
Remarks	First Issue			
Date				
Prepared by	Alison Macrae			
Signature				
Checked by	David Cassells/Alan Heatley			
Signature				
Authorised by	Jo North			
Signature				
Project number	70079718			

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1 INTRODUCTION

1.1 PURPOSE OF THIS REPORT

- 1.1.1. This Environmental Statement Addendum ('ES Addendum') assesses the likely environmental effects of the proposed amendments described in Section 2 of this ES Addendum in connection with a Planning Application submitted to West Sussex County Council (Ref: WSCC/052/20) on the 21st October 2020 for the *“Construction of a single carriageway with shared cycleway / footway, roundabouts, road markings, traffic signals, bus stops, provision of hard and soft landscaping, construction of a substation building, installation of a noise barrier, and other associated works”*, known as the A29 Realignment Scheme (“the Proposed Scheme”).
- 1.1.2. Since the submission of the Planning Application, the detailed design has progressed. As a result, amendments to the Red Line Boundary (RLB) have occurred. Details of these changes and the reasons behind them are described in Section 2. In summary, the proposed changes are as follows:
- Realignment of the RLB north of Fontwell Avenue in connection with the relocation of the electricity sub-station building;
 - Extension of the RLB to accommodate the relocation of the electricity sub-station building east of Fontwell Avenue; and
 - Amendments to the RLB at the Fordingbridge Industrial Estate (Halo) entrance to align with the existing site boundary.
- 1.1.3. The Planning Application is supported by an Environmental Statement (the '2020 ES'). The 2020 ES has been revised following receipt of a request under Regulation 25 of the Town and Country Planning (Environmental Impact Assessment) Regulations 2017, asking for further information to enable the local planning authority to make an informed decision in relation to the Scheme. The 'Revised 2021 ES' now provides the full assessment of effects associated with the Proposed Scheme and has been updated to incorporate the conclusions of this ES Addendum. Therefore, this ES Addendum should be read alongside the Revised 2021 ES.
- 1.1.4. The application site area remains at approximately 11.8ha,. The revised RLB is shown in the Site Location Boundary plan drawing no. A29-CAP-HGN-00-DR-C-0174 S0-P05 and included as **Appendix 1.1** in this ES Addendum. **Appendix 1.2** shows the RLB changes from those submitted in the 2020 ES. The environmental effects of the amendments to the Proposed Scheme are discussed, and the impacts assessed, in this ES Addendum.

2 PROPOSED AMENDMENTS

2.1 INTRODUCTION

2.1.1. This ES Addendum presents the findings of the likely environmental effects of the amendments to the Proposed Scheme. It then assesses these against the conclusions in the Revised 2021 ES, and identifies any additional mitigation to make the Proposed Scheme acceptable in planning terms. The proposed amendments are in the following locations and described in detail in the sections below.

- North of Fontwell Avenue
- East of Fontwell Avenue
- Halo Entrance

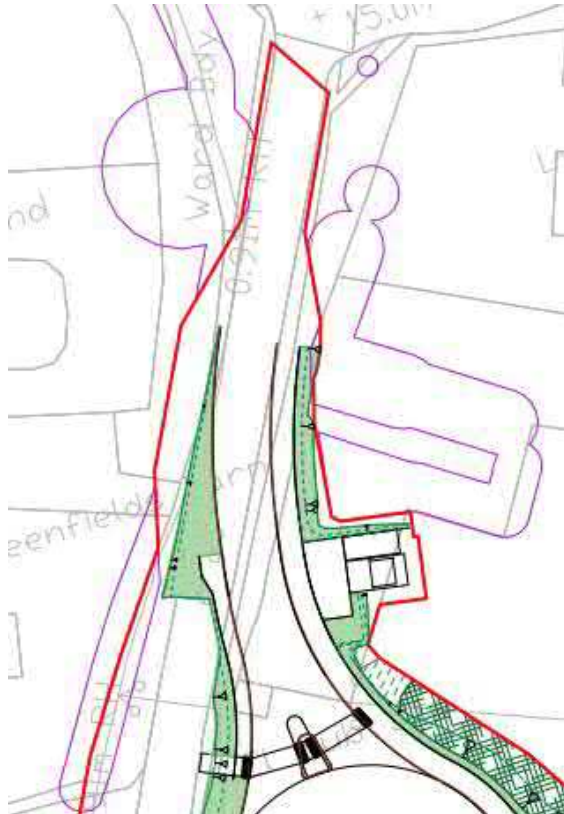
2.2 REALIGNMENT OF THE RLB NORTH OF FONTWELL AVENUE

2.2.1. This amendment is shown on the Site Layout Plan drawing no. A29-CAP-HPN-00-DR-C-0132 S0-P07 (**Appendix 2.1** of this ES Addendum). Due to restrictions on land availability in the location originally identified for the electricity substation, as shown in Figure 2.1 below, an alternative location is proposed, and this is discussed further at Section 2.3.

2.2.2. The relocation of the electricity substation and its associated parking area results in a realignment to the RLB as shown in Figure 2.2 below (refer to A29-CAP-HPN-00-DR-C-0239 S0-P03 in **Appendix 2.3** of this ES Addendum for landscape details).

2.2.3. Just to the north of the original substation location, the RLB has been moved to minimise land take and align with the existing fence line.

Figure 2-1 –North of Fontwell Avenue - Originally Submitted Red Line Boundary

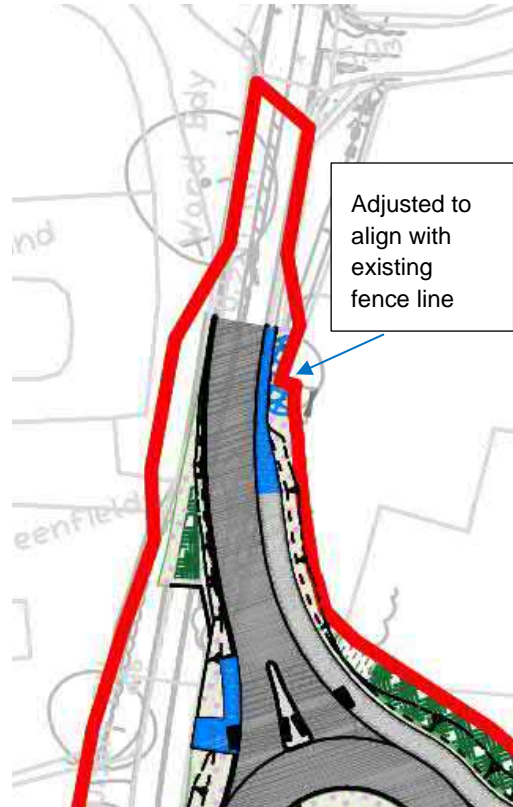


 Root Protection Area - indicative location only

 Woodland Edge

 Amenity Grass Mix


Figure 2-2 – North of Fontwell Avenue - Revised Red Line Boundary




 WILDFLOWER MEADOW GRASS MIX EM3
TOPSOIL 150MM

 SHARED USE FOOTWAY/ CYCLEWAY
BOUND SURFACE COURSE - ASPHALT CONCRETE

 FOOTWAY
BOUND SURFACE COURSE - ASPHALT CONCRETE

 CARRIAGEWAY
HRA SURFACE COURSE

 REDLINE BOUNDARY

 EXISTING VEGETATION - TO BE RETAINED AS MUCH AS POSSIBLE. EXTENTS OF CLEARANCE IN THESE AREAS IS TO BE AGREED ON SITE WITH OVERSEEING ORGANISATION'S SITE SUPERVISOR

2.3 EXTENSION OF THE RLB EAST OF FONTWELL AVENUE

- 2.3.1. The new location for the electricity substation is also shown on the Site Layout Plan drawing no. A29-CAP-HPN-00-DR-C-0132 S0-P07 (**Appendix 2.1** of this ES Addendum). The proposed substation will now be installed approximately 40 m to the north east of the Fontwell Avenue Roundabout and would have a GEA of 100m² (including parking area). The proposed electricity substation cross section is shown on drawing ref A29-CAP-HPN-00-DR-C-0235 S0-P02 **Appendix 2.2**. The proposed glass reinforced plastic (GRP) enclosure would measure 3.112m wide, 2.800m deep, and have a maximum height of 2.264m. Off street parking spaces are provided for service vehicles only.
- 2.3.2. The original RLB is shown in **Figure 2-3** and the revised RLB in **Figure 2-4** below. The electricity substation includes a grasscrete parking area, shown in orange, with the transformer enclosed within a new GRP kiosk. The landscape design has been amended to accommodate this change, with woodland edge planting to the north. Planting in the swale shown on both sides of the carriageway has moved east to accommodate the new substation.

Figure 2-4 - East of Fontwell Avenue - Originally Submitted Red Line Boundary

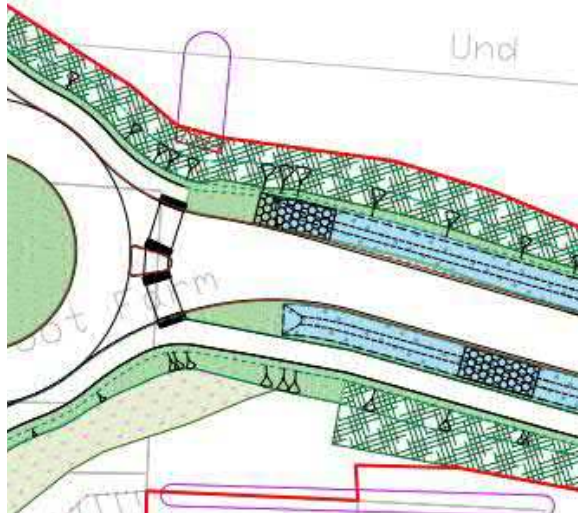
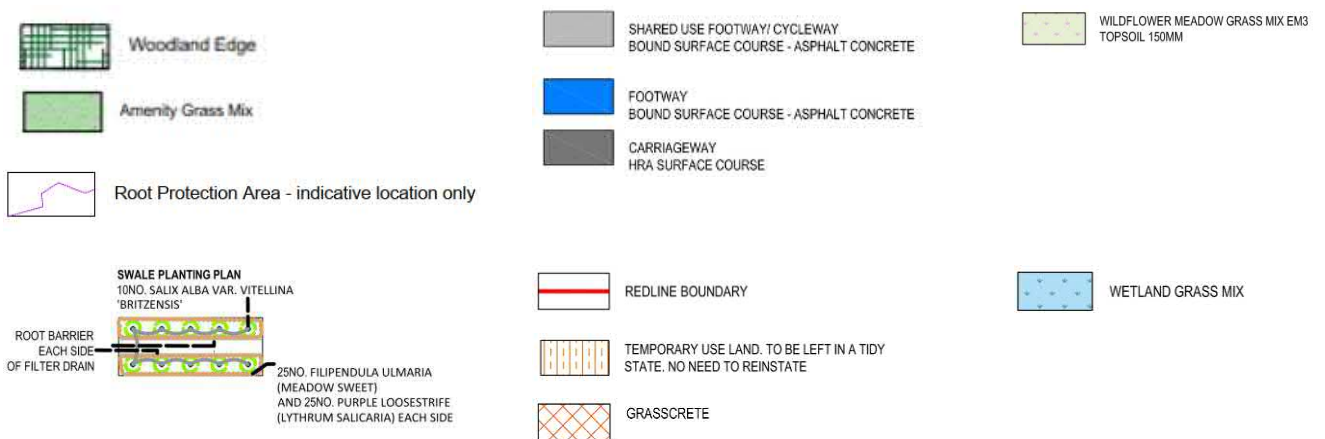
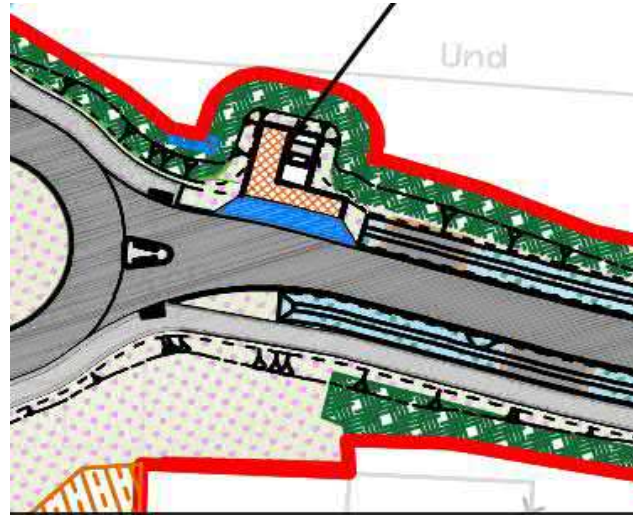


Figure 2-3 - East of Fontwell Avenue - Revised Red Line Boundary

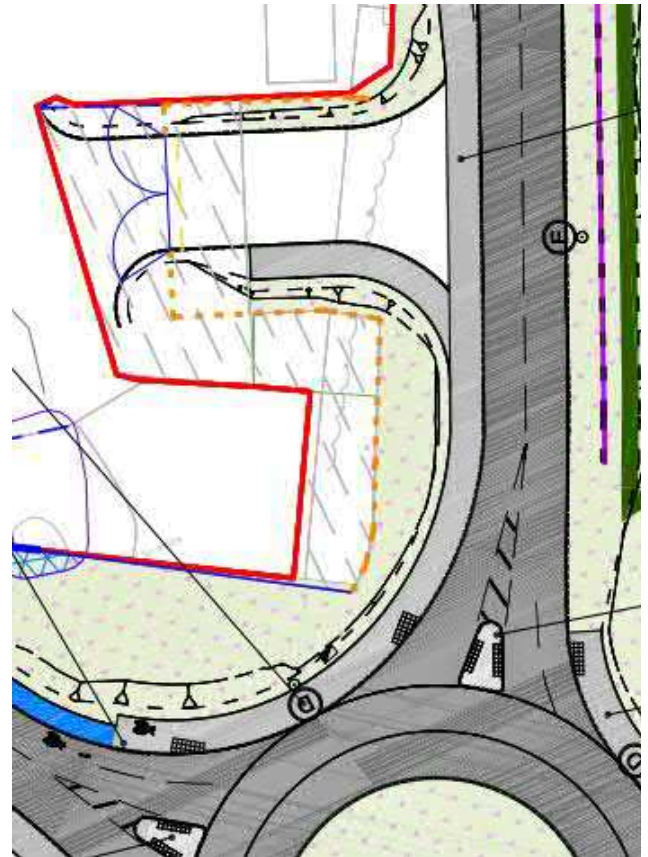
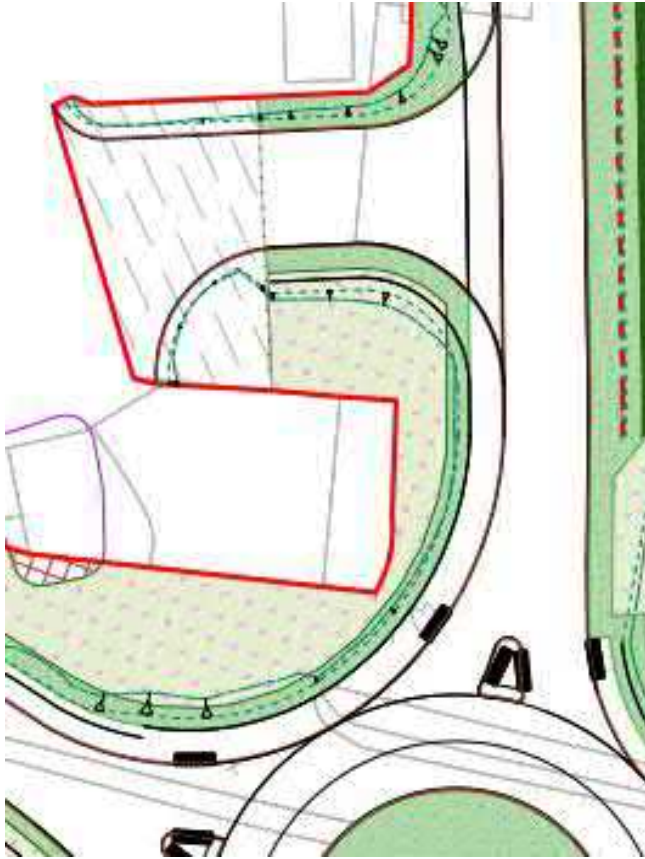


2.4 AMENDMENTS TO THE RLB AT THE HALO ENTRANCE

- 2.4.1. Detailed design has advanced and fence lines to the south of the Fordingbridge Industrial Estate (Halo) entrance have been adjusted. As a result, the RLB has extended 6m further west. This amendment has been required due to late changes in land ownership boundaries that will require fence lines to be adjusted as part of the works.
- 2.4.2. The RLB changes at the Halo entrance are shown in **Figure 2-5** and **Figure 2-6** below and A29-CAP-HPN-00-DR-C-0135 S0-P08 in **Appendix 2.1**. The RLB has been adjusted to align to the west of the property boundary. Boundary fencing comprising close board fence panels with green mesh security fence, to match the existing Halo fence will be installed.

Figure 2-5 – Halo Entrance - Original Submitted Red Line Boundary

Figure 2-6 – Halo Entrance - Revised Red Line Boundary



-  North arrow
-  Woodland Edge
-  Amenity Grass Mix
-  Root Protection Area - indicative location only
-  WILDFLOWER MEADOW GRASS MIX EM3
TOPSOIL 150MM
-  TEMPORARY USE LAND: TO BE REINSTATED
LAND BACK TO EXISTING

-  SHARED USE FOOTWAY/ CYCLEWAY
BOUND SURFACE COURSE - ASPHALT CONCRETE
-  FOOTWAY
BOUND SURFACE COURSE - ASPHALT CONCRETE
-  CARRIAGEWAY
HRA SURFACE COURSE
-  REDLINE BOUNDARY
-  EXISTING VEGETATION - TO BE RETAINED AS
MUCH AS POSSIBLE. EXTENTS OF CLEARANCE IN
THESE AREAS IS TO BE AGREED ON SITE WITH
OVERSEEING ORGANISATION'S SITE SUPERVISOR
-  PROPOSED POST AND THREE RAIL MCHW H15
-  PROPOSED FENCING - HALO SITE

3 APPRAISAL OF ANY CHANGES IN THE LIKELY SIGNIFICANT EFFECTS

- 3.1.1. The planning application and its corresponding Revised 2021 ES have been reviewed and the significant effects of the proposed amendments against each topic chapter has been assessed and the findings set out within **Table 3-1**. This is presented against the chapter number of each assessment within the Revised ES.

Table 3-1 – Likely environmental effects of the material change

ES Chapter Number	ES Chapter Heading	Likely effect of the minor material change (i.e. change to the RLB)	Change in residual effect (no change, negligible change, significant change)
6	Air Quality	<p>The proposed changes do not significantly alter the area that is potentially affected by construction dust impacts. As such there is no change to the residual effects in the construction stage that are reported in Chapter 6 Air Quality.</p> <p>For the operational stage, the proposed changes do not alter the road alignment or traffic flows. The findings of the air quality assessment, as presented in Chapter 6 Air Quality, are unchanged.</p>	No Change
7	Noise & Vibration	<p>The proposed changes will not result in significant changes to construction activities and/or plant. As such there is no change to the residual construction effects as reported in Chapter 7 Noise and Vibration.</p> <p>The proposed changes to the RLB will not result in any changes to the alignment of the Scheme or the noise mitigation features, namely the noise barrier to the southern end of the Scheme. Therefore there are no changes to the operational road traffic noise effects as reported in Chapter 7 Noise and Vibration.</p> <p>The new location of the substation will increase the separation distance to existing properties on Fontwell Avenue (namely Lyndhurst and Greenfields Farm). Furthermore, predicted noise levels associated with the substation at the closest proposed residential dwellings within the Adjacent Proposed Scheme – Barratt David Wilson Homes Development are well below existing noise levels (more than 10dB). Therefore there are no</p>	No Change

		changes to the operational noise effects from the substation as reported in Chapter 7 Noise and Vibration.	
8	Transport & Access	<p>The proposed changes to the RLB and new location of the substation will not result in any changes to the alignment of the Scheme and as such will not change the effects previously identified in the assessment.</p> <p>The proposed changes will not result in significant changes to construction activities or traffic flow and access. Therefore, it can be concluded that there is no change with regards to the operational road traffic and access effects as reported in Chapter 8 Transport and Access.</p>	No Change
9	Ecology & Nature Conservation	<p>The proposed changes to the RLB will not result in significant changes to the landscaping layout and as such will not alter the biodiversity net gain (BNG) position that has been achieved by the Scheme. Further, the amendments to the RLB will not affect any additional ecological features that haven't been previously identified.</p> <p>As such it can be concluded that there is no change to the residual effects as reported in Chapter 9 Ecology and Nature Conservation.</p>	No Change
10	Landscape & Visual	<p>The proposed changes to the RLB will not result in significant changes to the landscaping layout and as such will not alter the affect previously identified on each of the landscape character areas. Further, the amendments to the RLB and relocation of the substation will not affect the visual impact on nearby sensitive receptors (VP1, VP2, VP8, and VP9). The substation as shown in Figure 2-4 above, will be positioned lower than the existing ground level and screened by woodland core planting. It is not considered that this change would materially alter the impact on nearby visual receptors previously identified.</p> <p>As such it can be concluded that there is no change to the residual effects as reported in Chapter 10 Landscape and Visual Impact.</p>	No Change

11	Water Resources and Flood Risk	The proposed changes to the RLB, relocation of the substation and the rotation of pond 4 will not result in any significant changes to water resources and flood risk. Also, no additional hydrological features have been identified. As such it can be concluded that there is no change to the residual effects as reported in Chapter 11 Water Resources and Flood Risk.	No Change
12	Geology and Soils	The proposed changes to the RLB will not result in any significant changes to the assessment.	No Change
13	Archaeology & Heritage	<p>The ES Chapter identified potential moderate to major environmental effects on Prehistoric and Roman remains. Following the implementation of an agreed mitigation strategy there is likely to be a negligible residual effect. There are no additional identified buried heritage assets in the RLB as amended. The minor material change will not affect the assessment of environmental and residual effects identified for the Archaeology topic.</p> <p>The mitigation strategy outlined in the draft Written Scheme of Investigation (Appendix 13.3 of the Revised ES) comprised two options:</p> <ul style="list-style-type: none"> ■ Stage 1 trial trench archaeological evaluation, followed by Stage 2 archaeological mitigation if required; or, ■ Stage 2 mitigation, during construction, in the form of Strip, Map and Sample, without the preliminary Stage 1 evaluation <p>The minor material change would require no amendment to either proposed archaeological mitigation strategy (Appendix 13.3 of the Revised ES) other than the areas of proposed mitigation being amended to recognise the amended RLB.</p>	No Change
14	Cumulative Effects	The proposed changes to the RLB will not result in significant changes to the Cumulative Effects Assessment results for the Scheme. Minor amendments to results in the inter-project project assessment associated with the Barratts Development (Adjacent Proposed Scheme) and other developments in close proximity to the Scheme have been made though these do not result in a significant material change to the residual effects of the assessment as a whole.	Negligible Change

4 CONCLUSION

4.1 CONCLUSIONS

- 4.1.1. Realignment of the RLB has occurred as a result of land availability to the north of Fontwell Road which was originally identified for the electricity substation. The substation has therefore been relocated to the east of Fontwell Road resulting in an extension of the redline. A further change to the redline in the vicinity of the Fordingbridge Industrial Estate (Halo) entrance was required due to late changes in land ownership boundaries that will require fence lines to be adjusted as part of the works.
- 4.1.2. A review of all topics assessed in the original 2020 ES has been undertaken in light of the changes to the RLB. Due to the minor extent of the changes, no changes are expected to the significance of residual effects or the mitigation requirements.