



A095004

10th January 2018

Response to Comments Receive on 27th October 2017 from Carol Reynolds, Environmental Health for Arun District Council regarding planning application LU/278/17/RES – Discharge of Condition 36

WYG Responses in Blue

Comment 1

The Environmental Statement, Volume 1, February 2011, p 275, paragraph 10.6.2, 'Operational Noise' highlighted that properties bordering the east of the proposed Lyminster Bypass at Toddington Park were considered likely to require noise mitigation during the operational phase of this new road, namely a 2m minimum height acoustic timber barrier. That Noise Assessment prepared by WYG, August 2017 in respect of discharge of the above Condition proposes a 3m high acoustic barrier to extend around properties referred to as R1-R7 on Drawing Number SK02 and somewhat to the north of this; of given construction (Appendix C) which, it is stated, will achieve noise attenuation of up to 7.4dB (p18). Whereas this approximates to the location of Number 9 to 23 Toddington Park, please provide clarification as to which dwellings these references pertain.

WYG Response 1

The dwellings that will receive the 7.4dB reduction in noise levels as a result of the 3.0m barrier as stated in the report are TR6 which is representative of 14 Toddington Park and TR10 which is representative of 23 Toddington Park. Attached to this response is an updated version of SK02 showing these receptor locations.

Comment 2

The report also references Table 6.2 as demonstrating that all representative receptors listed would have 'negligible to only slight adverse impact,' with such a 3m barrier in place. However, whereas the increase in noise experienced by properties TR1, 2, 3 and 4 (Nos 10-13 Toddington Park) is stated as 'minimal/negligible,' properties TR5, 7 and 9 (Nos 14, 22 and 23 Toddington Park) are expected to experience both 'moderate adverse impact' and, TR6, TR8 and TR10 (Nos 14, 22 and 23 again) 'significant adverse impact.' I would be obliged if you would explain the disparity in these statements and the way in which noise levels experienced by these properties will comply with guidance contained in BS8233 (2014) – "Guidance on sound insulation and noise reduction for buildings," both in habitable rooms and the amenity space to these dwellings, as described in p254/5, s10.3.6 of the above Environmental Statement.



WYG Response 2

Erratum: in-line with the accompanying text within section 6.0 of the assessment, the text below table 6.2 should read as follows (amends in **bold**):

*"Table 6.2 above shows that when the differences between the baseline 2013 flows and the 2032 'with' development scenario are compared with the long-term noise change criteria given in Table 2.1 of this report, all of the representative receptors would be considered to have a negligible **to significant** adverse impact.*

None of the representative receptors are predicted to experience levels in excess of 68 dB LA10, 10hour and therefore are not eligible for any additional insulation as specified in the Noise Regulations 1975."

It should be noted that within the original Environmental Statement prepared in support of the overall Urban Extension, consideration was given to the effects of noise affecting proposed residential properties and the BS 8233 criteria was used accordingly with respect to existing ambient noise sources and noise from commercial activities.

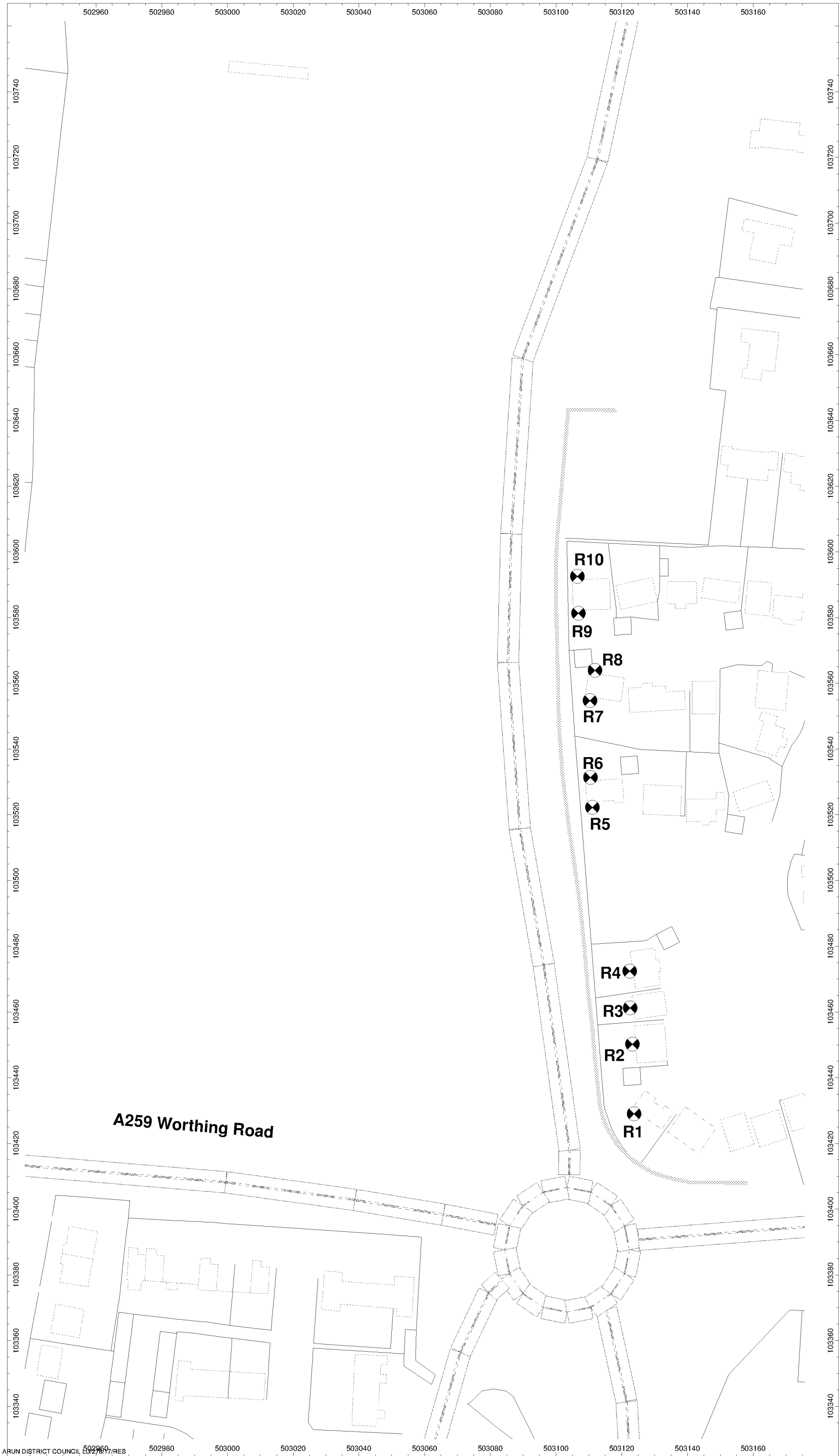
However, the BS 8233 criteria is not considered to be an appropriate standard by which assessment of the effects of the new link road should be undertaken. Indeed, the Scope of BS 8233:2014 specifically *"does not provide guidance on assessing the effects of changes in the external noise levels to occupants of an existing building."* As such, the guidance within the Design Manual for Roads and Bridges (HD213/11) and the 1975 Noise Insulation Regulations (as amended 1988), which do provide guidance for the assessment changes in noise levels as a result of new road developments, were used within the assessment.

For WYG Environment

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Attached: SK02 Receptor Location Plan



Client:
Persimmon Homes

Project:
Lyminster Bypass,
North Littlehampton

Project Number:
A095004

Drawing Title / Scenario:
Receptor and Acoustic
Barrier Locations

Drawing Number:
SK02

Key:

Proposed 3.0m Barrier :

Scale : Not to scale

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