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FILE REF PRP-BDP-Z01-XX-CO-YA-6011 P02

SUBJECT **PATERSON REDEVELOPMENT PROJECT**
Updated external compound noise break-out assessment

1. Introduction

This document provides a summary of our updated noise break-out assessment of the external compound which forms part of the Paterson Redevelopment Project (the “Project”). Our updated assessment references the updated external compound proposals presented in the BDP Design Access Statement (DAS) Addendum, June 2021.

The purpose of our updated assessment is to determine if the updated proposals alter the conclusions of Chapter 8 ‘Noise and Vibration’, Volume 2 of the Project Environmental Statement (ES), which was issued as part of the Project application for full planning permission (reference 123748/FO/2019).

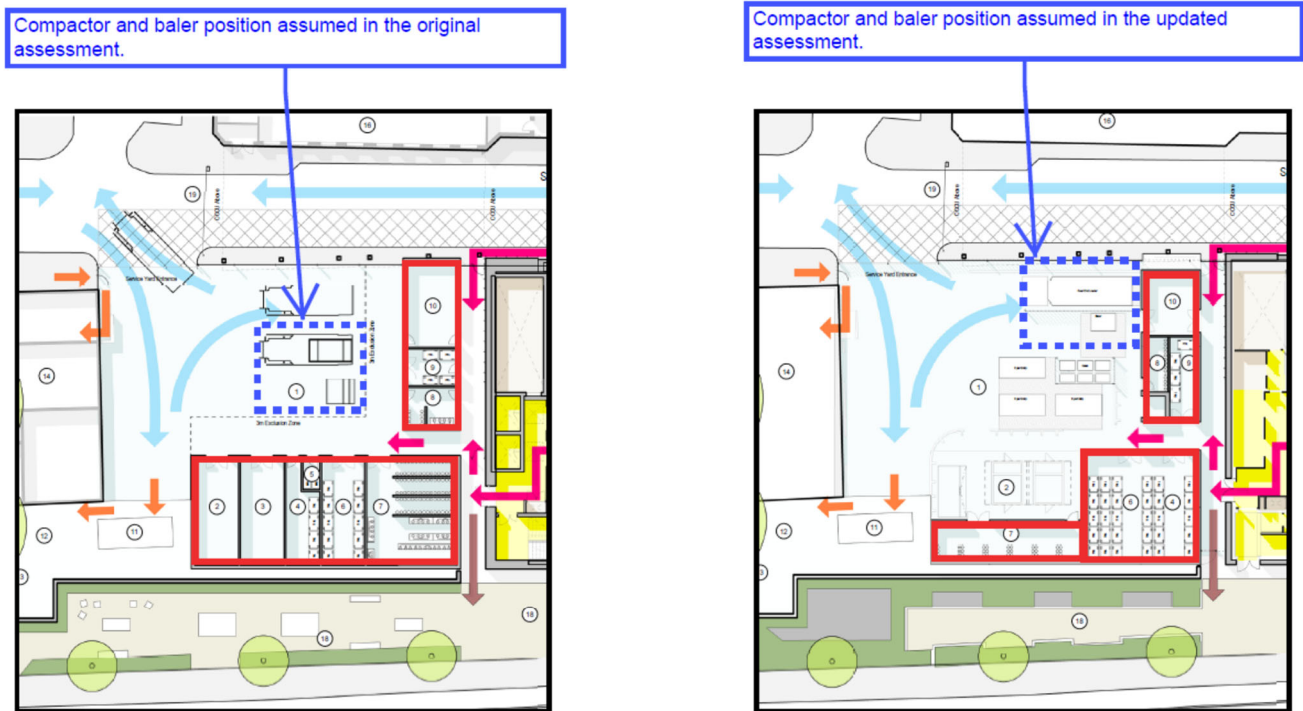
2. Assessment assumptions

Our original assessment assumptions are documented in Appendix 8.5, Volume 3 of the Project ES.

All assumptions within the original assessment remain the same for this updated assessment with the exception of the following:

- The waste baler model has changed from a Pakawaste Powerkub XL baler to a Pakawaste VB200 baler. The latest proposed baler is quoted as 2 dBA lower in operational noise level than the previous assumed baler.
- The assumed position of the waste compacter and baler has been updated to align with the proposals presented in the DAS Addendum. Figure 1 below presents an annotated extract from the DAS Addendum which indicates the change in position of the waste compacter and baler.

Figure 1: Annotated extract from the DAS Addendum June 2021 indicating change in position of the waste compactor and baler in the original and updated assessment (BDP Acoustics annotations on the extract are in blue)



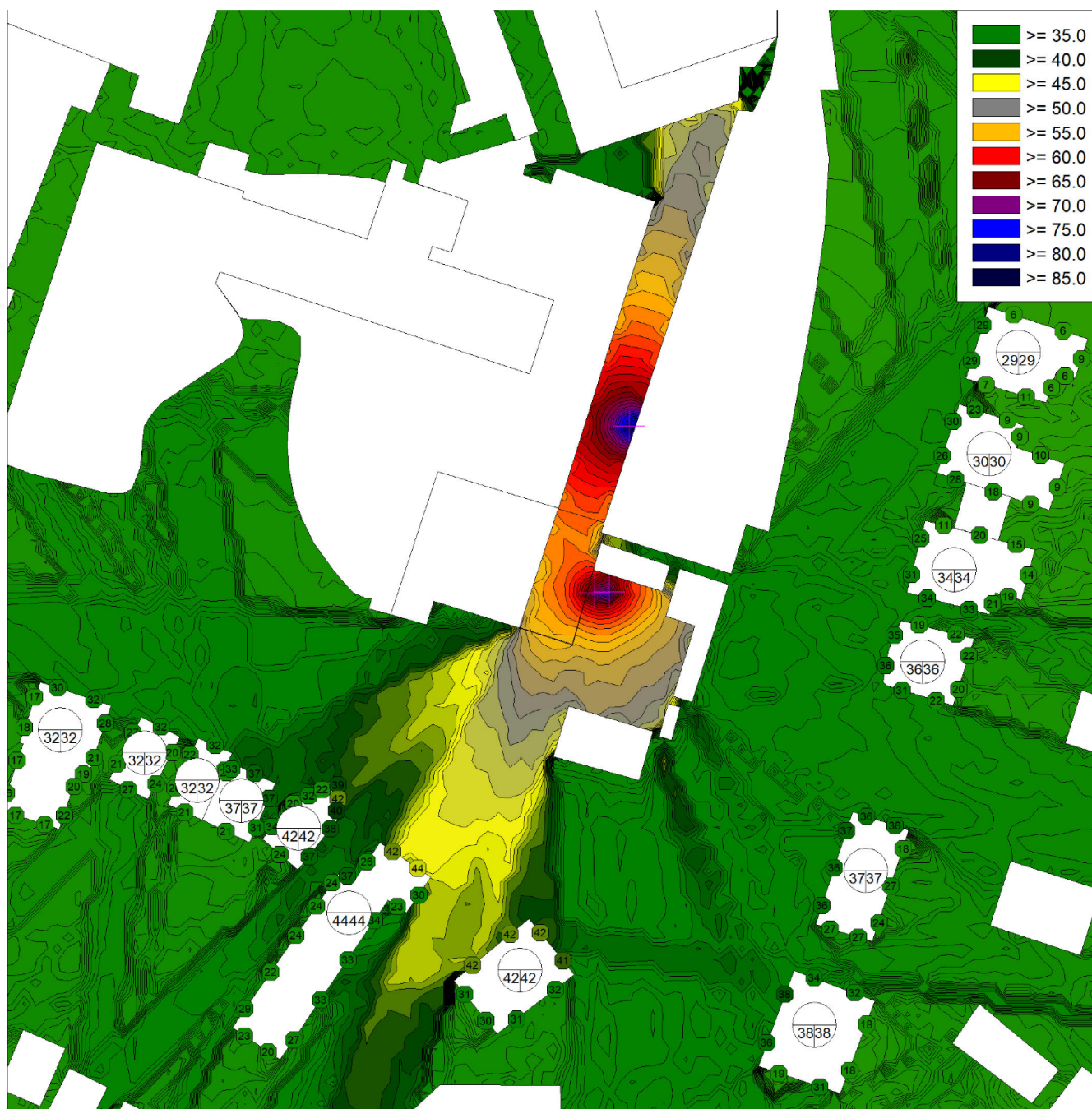
A: External waste store building area reduction

Drawing reference PRP-BDP-Z01-00-PL-A-9001 - External Compound Layout
Revision P01
Approved outline of external compound highlighted with red outline.

Drawing reference PRP-BDP-Z01-00-PL-A-9001 - External Compound Layout
Revision P02
Proposed reduced outline of external compound highlighted with red outline.

The CadnaA noise model created for the original assessment has been revised to incorporate these updated assumptions. A screen shot from the updated assessment CadnaA model for the compound activities assessed is presented in Figure 2. The screen shot indicates the assumed location of the compound assessed noise sources (indicated by the crosses on the figure), the propagation of sound from the activity and the rating levels ($L_{Ar,Tr}$) predicted at identified receptors on Wilmslow Road and Oak Road.

Figure 2: Screen shot from the updated assessment CadnaA model of compound activities (1.5 metre grid height and $L_{A_r,Tr}$ (dB) levels presented)



3. Updated assessment conclusions

Our updated assessment indicates a negligible change in the external compound activity noise rating levels predicted at the identified receptors, which results in **no change to the original ES conclusions concerning external compound operational noise**; the said conclusions are identified in paragraph 8.107, Volume 2 of the ES, with the key concluding statement on the significance of effect of external compound operational noise on the identified receptors being as follows:

*“...the predicted differences between the external compound activity rating noise levels at the facades of the identified receptors and the representative background levels equate to a negligible magnitude of effect on the identified receptors, and therefore the effect is considered **not significant**.”*

Please do not hesitate to contact us should you have any queries.

Yours sincerely
for BDP Acoustics



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