

Mr Matthew Drake

Senior Land Manager Barratt Homes & David Wilson Homes Yorkshire West Raynham House 2 Capitol Close Morley Leeds LS27 OWH

Our Ref: LDP2246 110321

Date: 11th March 2021

Dear Mr Drake

Halifax Road, Penistone - Noise

In December 2018 a Noise Assessment was produced for the site at Halifax Road, Penistone. This demonstrated that, with consideration to noise mitigation measures, including the provision of appropriate glazing and ventilation to the façade facing directly onto Halifax Road and Well House Lane, an appropriate level of protection could be afforded to future noise sensitive receptors on the Site.

It stated that for the proposed dwellings located closest to Halifax Road, all criteria would be achieved with standard thermal double glazing such as a configuration of 4mm pane / 12mm airgap / 4mm pane, which would need to provide a minimum R_w + C_{tr} of 27 dB, in conjunction with an acoustic ventilators, which achieve a minimum performance of D_{n,e,w} + C_{tr} 35 dB would be required.

For the remaining dwellings located closest to Halifax Road the assessment outlined that all criteria would be achieved with standard thermal double glazing such as a configuration of 4mm pane / 12mm airgap / 4mm pane, which would need to provide a minimum $R_w + C_{tr}$ of 27 dB. With regards to Trickle ventilators it states that a minimum performance of D_{n,e,w} + C_{tr} 32 dB would be required.

The Noise Assessment also considered noise levels in outdoor living areas located closest to, and with a direct line of sight to Halifax Road. The assessment determined that the levels would exceed the recommended guideline noise level. Therefore, mitigation in the form of a 1.8m high close boarded fence was suggested to reduce noise levels from road traffic to within acceptable levels as recommended in BS8233 and WHO.

Since the submission of the Noise Assessment the layout has been revised as per Appendix A. The new layout places those residential properties facing Halifax Road further south into the site, creating a greater buffer between the road and the build-line. In addition to this, there are a number of gardens that have been placed to the rear of the dwellings where they are now screened from Halifax Road. This combination of factors is acoustically beneficial, resulting

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in reduced impact of noise on the properties nearest to Halifax Road, and will ultimately result in less stringent mitigation requirements to those stipulated in the original assessment. This reduced impact will equate to over a 3db reduction.

Yours Sincerely

Dawit Abraham

Principal - Acoustics

enc. Appendix 1 Layout

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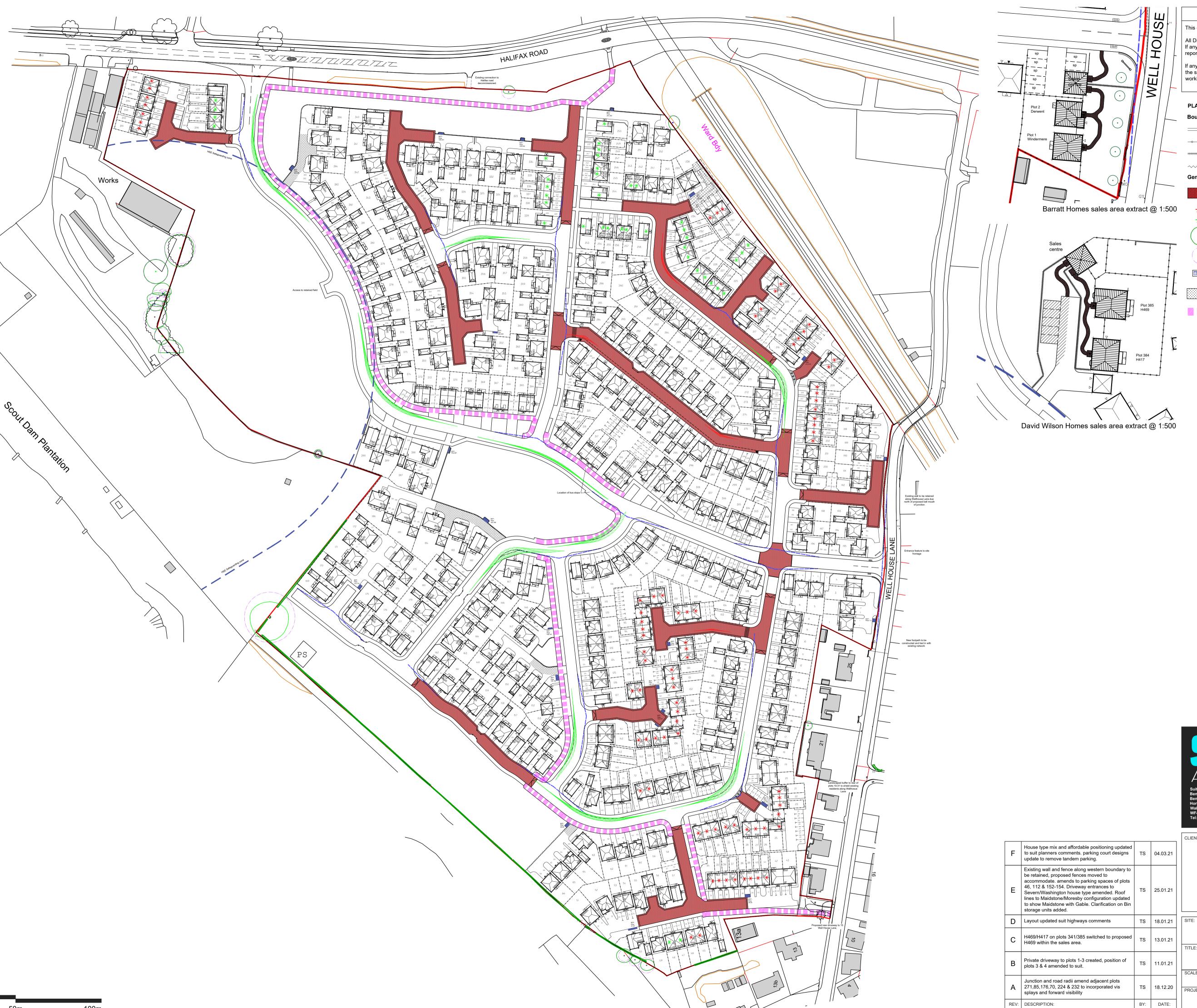
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Notes:

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All Dimensions are to be verified on site before any work commences. If any discrepancies, errors or emissions are noted, these are to be reported to STEN Architecture immediately.

If any other drawings are referenced within this layout, please refer to the specific detailed drawing for design, materials and specific working practices.

PLANNING LAYOUT KEY:

Boundary treatments

_____ 1.8m Masonary wall ----- 1.8m Close boarded timber fence

1.2m Estate railing

450 Knee rail

Herringbone block paving; Brindle

Affordable - Rented

Tree/vegetation to be retained.

Affordable - Discounted market sale

Root protection Zone.

Bin collection point (bin collection day only)

Reinforced tarmac to accomodate fire vehicle turn.

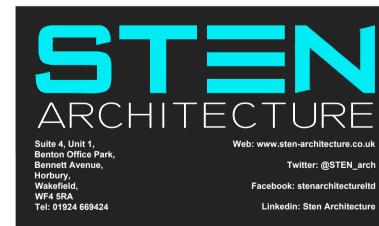
Proposed 3m pedestrian/cycleway

Barratt Name	Homes				
Namo	Barratt Homes				
Name	Beds	Units			
Bedale	2	4			
Denford Semi	2	2			
Denford End	2	2			
Denford Mid	2	1			
Maidstone Semi	3	25			
Maidstone End	3	2			
Maidstone Mid	3	1			
Ellerton Semi	3	16			
Ellerton End	3	2			
Ellerton Mid	3	1			
Mores by Det	3	12			
Moresby Semi	3	5			
Denby	3	30			
Kingsville Semi	4	6			
Kings ville End	4	2			
Kingsville Mid	4	2			
Brentford	3	4			
Windermere	4	20			
Kingsley	4	15			
Woodcote Semi	4	4			
Woodcote End	4	2			
Woodcote Mid	4	1			
Alderney	4	6			
Sub total		165			

David Wilson Homes				
Name	Beds	Units		
H403 Ingleby	4	17		
H442 Kirkdale	4	10		
H433 Cornell	4	16		
H417 Bradgate	4	21		
H456 Avondale	4	6		
H469 Holden	4	34		
H497 Chelworth	4	6		
H421 Winstone	4	6		
Sub total		116		

Affordable				
Name	Beds	Units		
Severn	1	3		
Washington Mews	2	3		
Denford Mid	2	2		
Denford End	2	8		
Maidstone Mid	3	1		
Maidstone End	3	8		
Type 67 Mid	2	13		
Type 67 End	2	32		
Type 69 Mid	3	4		
Type 69 End	3	26		
Wilford Mid	2	1		
Wilford End	2	6		
Archford Mid	3	2		
Archford End	3	6		
Hadley	3	6		
Cub total		121		

Grand total





BARRATT



Penistone

Planning Layout

TS SL 17.12.20 PROJECT NO: REVISION: 2001.01