

Note For The Record

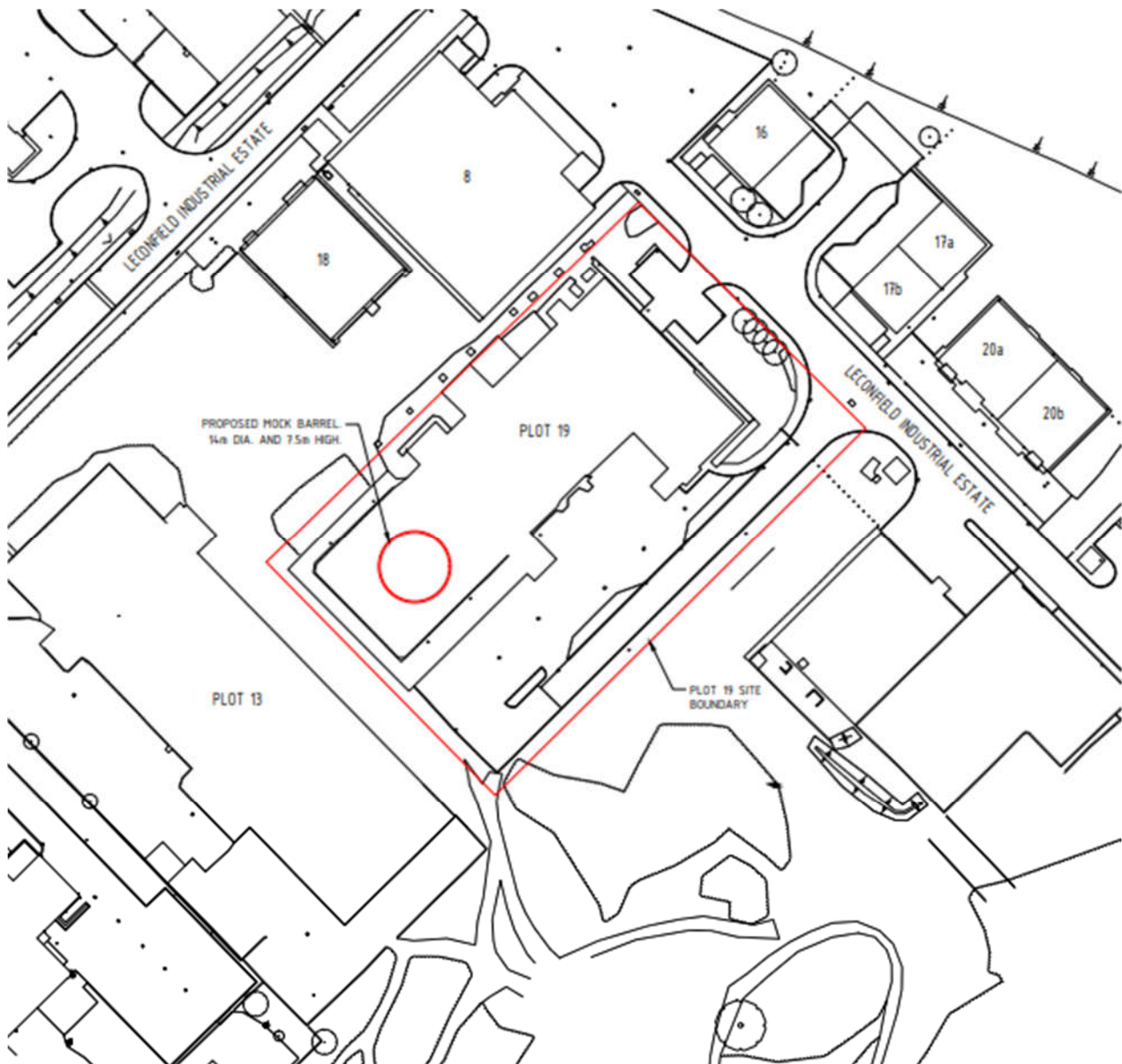
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|-------------------------|--|--------------------|--|
| Project: | B6 SPIDA | ADAPT No: | DDP00571-LOT1-ADAPT-CTM13540-4510446080-PILE 1 BARREL SPIDA MANUFACTURE |
| Subject / Title: | Noise Assessment for the construction, testing and demolition of the mock barrel/SPIDA on the Leconfield site. | Icepac No: | N/A |
| Author: | Kevin Lamb | Project No: | DDP00571-LOT1-ADAPT-CTM13540-4510446080-PILE 1 BARREL SPIDA MANUFACTURE |
| Date: | 23/05/2022 | | |

| Distribution | Company |
|---------------------|----------------|
| Hannah Ridley | Atkins |
| Stuart McFadyen | Doosan Babcock |
| ... | ... |
| ... | ... |

Introduction:

ADAPT are required to provide a noise assessment with the planning permission application for the construction, testing and demolition of the mock barrel/SPIDA on the Leconfield site. This NFR will outline the typical noise levels produced, at source, and show that there will not be any harm to the wider public by noise levels at the perimeter fence, produced by our activities. This will include local residents and any other person in the area affected by our work.

Technical Note



Proposed site of construction, testing and demolition of mock barrel, Leconfield. Site perimeter fence marked in red. The noise levels will be significantly reduced at the perimeter compared to the noise levels produced at source and these will be measured periodically. We do not envisage a noise nuisance levels to be elevated in the local area but, again, these will be measured periodically and at peak times.

Technical Note

Phase 1 & 4 – Construction and Demolition of the Mock Barrel

Noise Levels at source from plant/tooling used in proposed construction activities for the Mock Barrel, including its demolition at the end of the trial period: -

- Hammer drill 78 dB
- Concrete breaker 108 dB
- Wheeled Excavator 80 dB
- Diesel generator 95 dB
- Vibrating concrete poker 85 dB
- Concrete pump 90 dB
- Circular saw 86 dB
- Impact driver 78 dB
- Delivery wagons 80 dB
- Telehandler 80 dB

Phase 3 – Concrete Cutting Operations

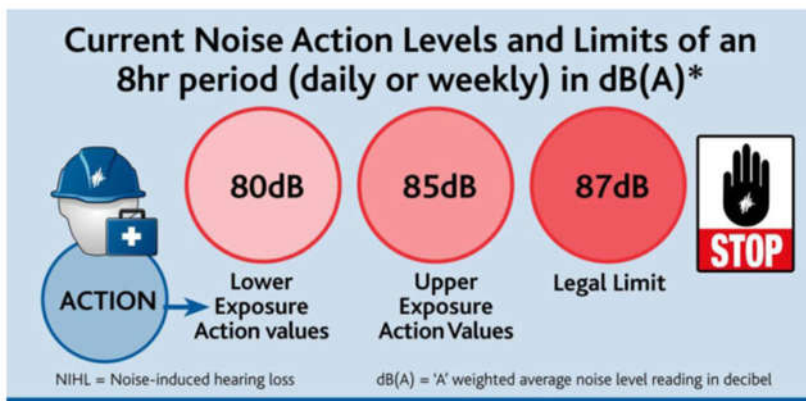
Noise Level During Mock Barrel Cutting :-

- SPIDA actuators whilst moving platform 68 dB
- Hilti Diamond Wire Saw at 2.8m <79 dB

4.6 Noise values

| | |
|---|----------------------------|
| Equipment: | DS WS 15 electric wire saw |
| Sound pressure level as per DIN EN ISO 3744 * | < 79 dB(A) |
| * Measured at a distance of 2.8 m from the drive unit | |

Hearing protection and signs will be mandated, where required.



Conclusion

The noise levels at the perimeter of the site will be well below 80dB levels where no action is required by the workforce or the general public.