RAMBOLL

ENVIRONMENT
& HEALTH

Potters-Ballotini Limited
c/o
Pegasus Planning Group Ltd
Pavilion Court
Green Lane
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Leeds
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To Whom it may Concern

Date 08/08/2024

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Ref REH2023N00908-RAM-RP-00023 Wireline Technical Note

Ramboll UK Limited (Ramboll) has been requested by Potters-Ballotini Limited (the Client) to prepare a series of wirelines to accompany the Planning Application for the Stairfoot Glassworks, Wombwell Lane, Barnsley under application reference 2024/0373 (the Proposed Development).

Wireline visualisations of the Proposed Development for 9 of the 10 LVIA representative viewpoints have been prepared and are appended to this letter (with Viewpoint 6 not included as the majority of the processing building within Proposed Development would be screened by vegetation in the foreground of the view). These visualisations utilise the existing photography within the LVIA as they were taken while trees were out of leaf, providing a worst-case visibility towards the Proposed Development. As they were not captured with visualisation in mind the locations (and reference points for direction/scaling) were not recorded with high level of accuracy, however within the Landscape Institute Technical Guidance Note 06/19, Visual Representation of Development Proposals (Table 2, Visualisation Types 1-4) the methodology for Type 3 Photowire visualisations does not require survey-verified accuracy. Requirements for this type of visualisation include tripod, full frame sensor camera plus 50mm fixed lens, reference to OS maps, geo-referenced aerial photography, LiDAR, and a 3D model of the Proposed Development – all of these requirements are met with existing photography and our proposed visualisation methodology.

A combination of knowledge from site visits, OS Maps, aerial photography, coordinates of identifiable reference points, and 3D Model data, along with the measured tripod height above ground, was used to position each viewpoint location around a 3D digital model of the processing building.

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The digital model includes the Proposed Development (placed at real world coordinates), as well as existing ground level (from topographic surveys), and modelled reference points in the wider landscape based on LiDAR/Google Earth analysis. Exports from the model were generated to match the angle, pitch, rotation, and field of view of the photographs and overlaid on photography. If the angle or alignment of reference points appeared slightly incorrect, the outputs were micro-sited within to reflect the scene in the photograph - ensuring the Proposed Development is positioned and scaled with a best-fit using professional judgement and the information sources detailed above. Once positioned, and reference points are aligned with the photograph, an outline of the Proposed Development was drawn. The external edges of the wireline are aligned to the outer extent of the processing building of the Proposed Development.

Lines representing the indicative height of proposed landscape measures at year 5 and/or year 15 are shown on views where it is possible and relevant. The heights of these lines are drawn conservatively, and any specific issues can be responded to through the Discharge of Condition process around landscaping where heights of proposed trees and planting stock at time of implementation can be discussed and agreed to provide effective mitigation.

While this wireline approach is not 'survey verified' it is still considered to be suitably accurate for the required purpose and is sufficient to be confident of the overall position, scale, and nature of the development in each view, and aligns to Type 3 Photowire visualisations outlined in the Landscape Institute Technical Guidance Note 06/19.

Based on the outcome of the wireline visualisations, the findings of the LVIA have been reviewed and it is concluded that the conclusions remain sound, and the landscape and visual effects would be no greater than those reported.

Yours sincerely

[redacted]

Ian Lanchbury

BA Hons BLandArch CMLI
Director
UK Landscape

[redacted]



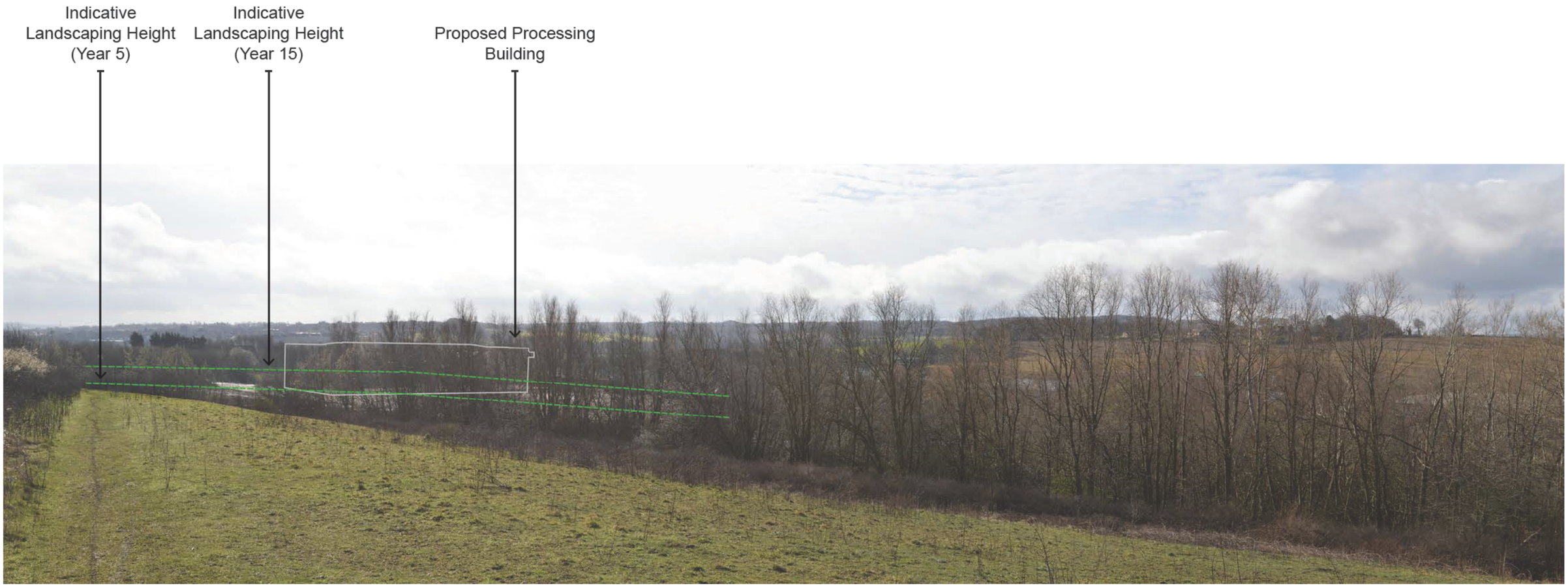
Wireline 1: Pacers Field | Viewing distance at A3: 542mm | Horizontal field of view: 39.6º | Direction of view: 180º
Camera: Nikon D3200 FFS | Lens: Nikon DX AF-S NIKKOR 18-55mm 1:3.5-56G VR | Camera height: 1.5m AGL | Date taken: 17/03/2023



Wireline 2: Houses Adjacent Stairfoot Station Heritage Park | Viewing distance at A3: 542mm | Horizontal field of view: 39.6º | Direction of view: 120º
Camera: Nikon D3200 FFS | Lens: Nikon DX AF-S NIKKOR 18-55mm 1:3.5-56G VR | Camera height: 1.5m AGL | Date taken: 17/03/2023



Wireline 3a: Clay Pit | Viewing distance at A3: 542mm | Horizontal field of view: 39.6º | Direction of view: 160º
Camera: Nikon D3200 FFS | Lens: Nikon DX AF-S NIKKOR 18-55mm 1:3.5-56G VR | Camera height: 1.5m AGL | Date taken: 17/03/2023



Wireline 3b: Clay Pit | Viewing distance at A3: 542mm | Horizontal field of view: 93º | Direction of view: 160º
Camera: Nikon D3200 FFS | Lens: Nikon DX AF-S NIKKOR 18-55mm 1:3.5-56G VR | Camera height: 1.5m AGL | Date taken: 17/03/2023



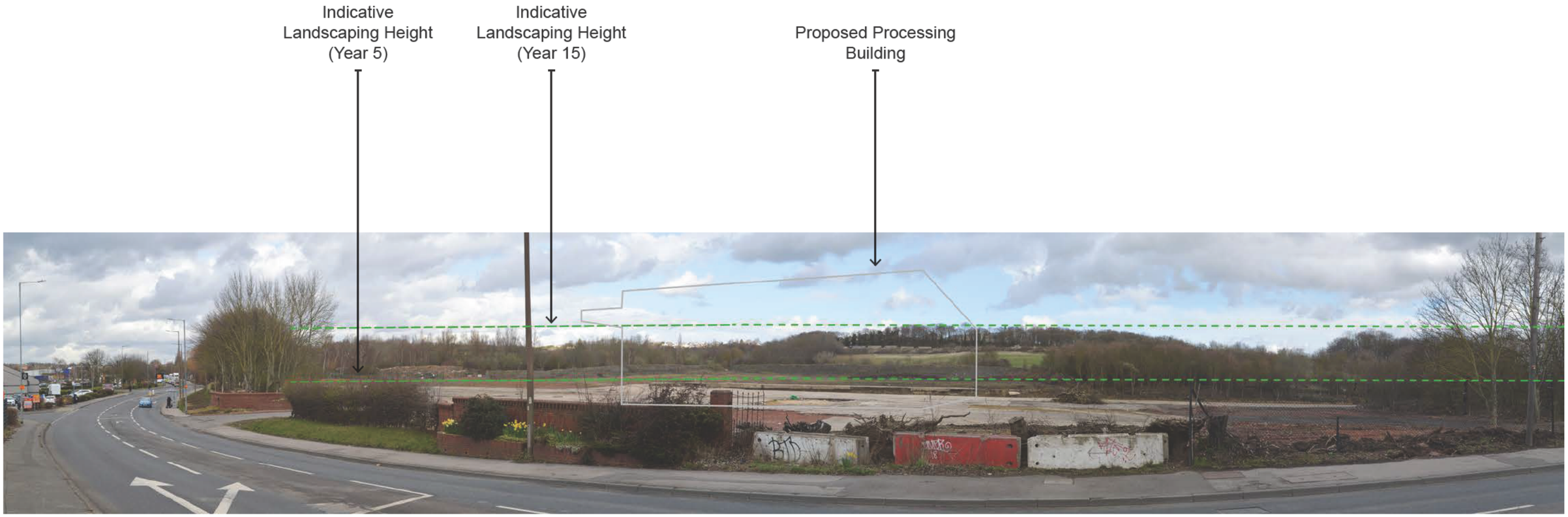
Wireline 4: Footpath on the Bend of Roehampton Rise and St Andrews Way | Viewing distance at A3: 542mm | Horizontal field of view: 39.6º | Direction of view: 60º
Camera: Nikon D3200 FFS | Lens: Nikon DX AF-S NIKKOR 18-55mm 1:3.5-56G VR | Camera height: 1.5m AGL | Date taken: 17/03/2023



Wireline 5: Public Footpath 332 near Barnsley Crematorium | Viewing distance at A3: 542mm | Horizontal field of view: 39.6° | Direction of view: 250°
Camera: Nikon D3200 FFS | Lens: Nikon DX AF-S NIKKOR 18-55mm 1:3.5-56G VR | Camera height: 1.5m AGL | Date taken: 17/03/2023



Wireline 7a: Caulk Lane and northen end of Public Bridleway 426 | Viewing distance at A3: 542mm | Horizontal field of view: 39.6º | Direction of view: 30º
Camera: Nikon D3200 FFS | Lens: Nikon DX AF-S NIKKOR 18-55mm 1:3.5-56G VR | Camera height: 1.5m AGL | Date taken: 17/03/2023



Wireline 7b: Caulk Lane and northen end of Public Bridleway 426 | Viewing distance at A3: 542mm | Horizontal field of view: 145° | Direction of view: 30°
Camera: Nikon D3200 FFS | Lens: Nikon DX AF-S NIKKOR 18-55mm 1:3.5-56G VR | Camera height: 1.5m AGL | Date taken: 17/03/2023



Wireline 8: National Cycle Network 67 directly facing the northeast of the Site | Viewing distance at A3: 542mm | Horizontal field of view: 39.6º | Direction of view:300º
Camera: Nikon D3200 FFS | Lens: Nikon DX AF-S NIKKOR 18-55mm 1:3.5-56G VR | Camera height: 1.5m AGL | Date taken: 17/03/2023



Wireline 9: Clae Cott Lane | Viewing distance at A3: 542mm | Horizontal field of view: 39.6º | Direction of view: 315º
Camera: Nikon D3200 FFS | Lens: Nikon DX AF-S NIKKOR 18-55mm 1:3.5-56G VR | Camera height: 1.5m AGL | Date taken: 17/03/2023



Wireline 10: Caulk Lane and Public Bridleway 60 | Viewing distance at A3: 542mm | Horizontal field of view: 39.6° | Direction of view: 20°
Camera: Nikon D3200 FFS | Lens: Nikon DX AF-S NIKKOR 18-55mm 1:3.5-56G VR | Camera height: 1.5m AGL | Date taken: 17/03/2023