

## APPENDIX D SOIL VOLUME DETAILS

Restoration

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|                                     |      |         |         |         |         |
|-------------------------------------|------|---------|---------|---------|---------|
| be disturbed)                       |      |         |         |         |         |
| SUBTOTAL                            | 20.1 | 62,600  | 77,300  | 95,000  | 227,900 |
| TOTAL Soil Resource within the Site | 45.9 | 147,900 | 165,700 | 224,100 | 537,700 |

Restoration Materials Balance

The volume of restoration material required to produce the restoration levels and landform illustration on Planning Application Drawing No. 15A (Concept Restoration) is 1,095,000m<sup>3</sup>.

The materials required to achieve the restoration scheme being obtained from:

- x On site soils and overburden (1.2m profile) 309,800m<sup>3</sup>
- x Silt waste materials generated from site materials 185,200m<sup>3</sup>
- x Imported inert material 600,000m<sup>3</sup>
- x TOTAL 1,095,000m<sup>3</sup>

In respect of the soil component, the Phasing Drawings (planning Application Drawings Numbers 8-13) describe and illustrate the progressive stripping, movement and placement of materials.

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Bund 11 (3m high) 12,100m<sup>3</sup> formed of Topsoil from the progressive Phase 1 soil s  
11 is located within the north of the Phase 1 void, post extraction. The bund will be  
in place during the mid and latter stags of Phase 1 extraction (~0.75 years) when th

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| Bund 20 | (6m high) 7,000m <sup>2</sup> formed of progressively stripped Overburden Phase 4 soil strip. Bund 20 is located within the north western area of the base. The bund will be in place for 3 to 4 years when it will be used to restore Phase 5 final |
|---------|--|

All other soils materials are to be stripped phase by phase, and directly placed for restoration.

This provides for the balance of soil stripping and placement to achieve final restoration profiles and volumes.

Phased soils and overburden within each Phase at the end of the development:

| Phase         | Area<br>m <sup>2</sup> | Topsoil<br>(0.3m) | Subsoil<br>(0.3m) | Overburden<br>(0.5m) | Sub Total |
|---------------|------------------------|-------------------|-------------------|----------------------|-----------|
| Initial Works | 38,200                 | 12,600            | 14,100            | 19,100               | 45,800    |
| Phase 1       | 47,800                 | 15,800            | 17,700            | 23,900               | 57,400    |
| Phase 2       | 30,700                 | 10,200            | 11,400            | 15,400               | 37,000    |
| Phase 3       | 45,500                 | 15,000            | 16,800            | 22,700               | 54,500    |
| Phase 4       | 52,000                 | 17,200            | 19,200            | 26,000               | 62,400    |
| Phase 5       | 43,900                 | 14,500            | 16,200            | 22,000               | 52,700    |
| SUBTOTALS     | 258 ha                 | 85,300            | 95,400            | 129,100              | 309,800   |

The tracks, hard standing area, existing woodland and land not required for mineral extraction is to remain in situ, undisturbed by the proposals.