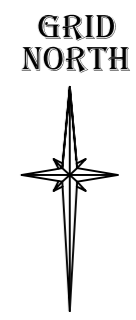
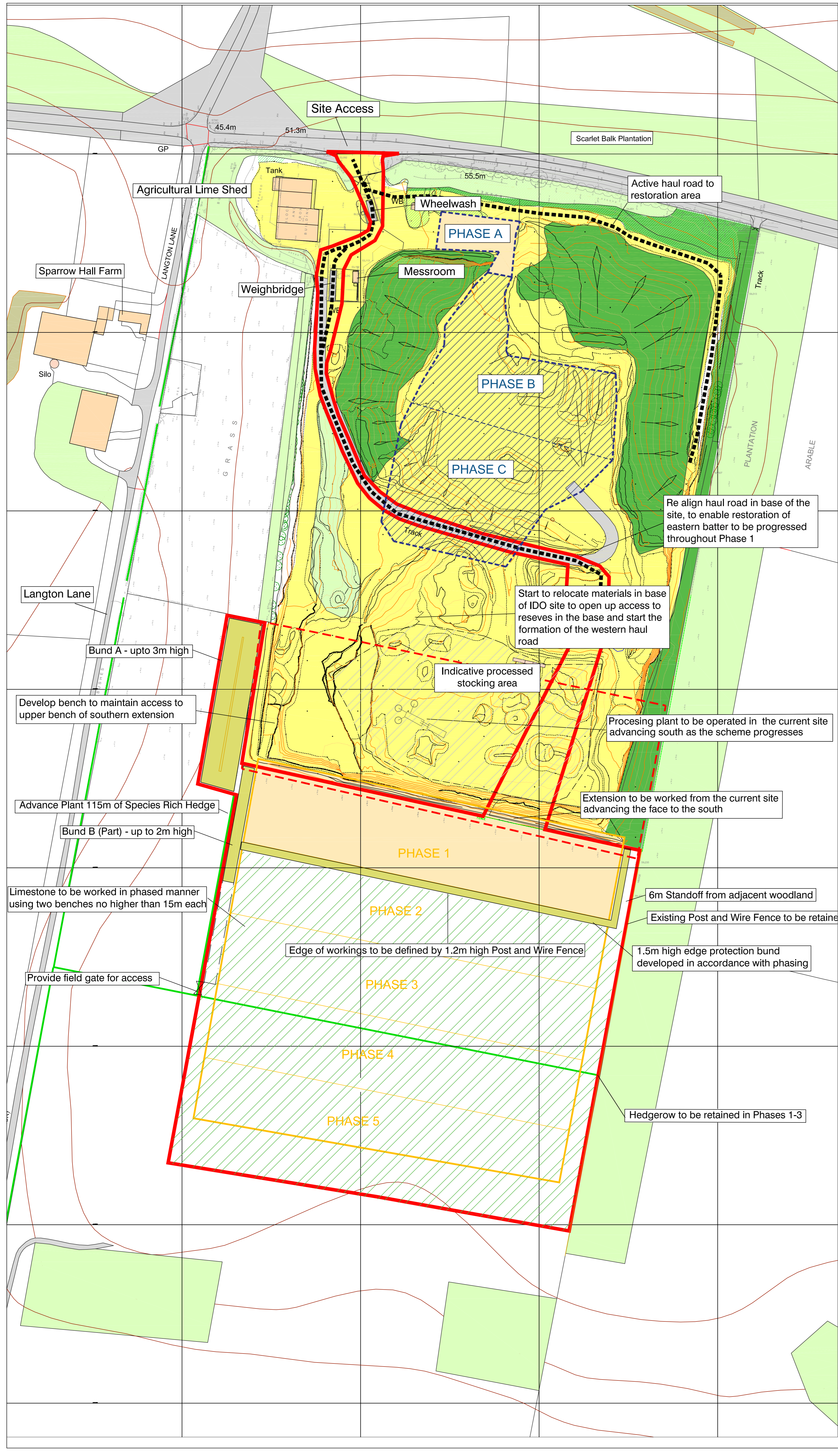


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- Application for proposed extension
- Application for current extension
- Existing Woodland
- Existing Hedge
- Consented IDO Reserves
- Proposed Extraction Area
- Primary Haul Road
- Proposed Soil Bunds
- Active working area
- Active extraction phase
- Indicative location of stocking area
- Active or completed Restoration Phase
- Land remaining in Agricultural land use



Re align haul road in base of the site, to enable restoration of eastern batter to be progressed throughout Phase 1

Start to relocate materials in base of IDO site to open up access to reserves in the base and start the formation of the western haul road

Indicative processed stocking area

Processing plant to be operated in the current site advancing south as the scheme progresses

Extension to be worked from the current site advancing the face to the south

6m Standoff from adjacent woodland

Existing Post and Wire Fence to be retained

1.5m high edge protection bund developed in accordance with phasing

Edge of workings to be defined by 1.2m high Post and Wire Fence

Hedgerow to be retained in Phases 1-3

Notes

All existing perimeter hedges to be retained and managed as required. Advance planting to be provided west of Phases 1 and 2 via species rich hedgerow. See section 3 of supporting statement for details on composition and planting.

Phase A has already been stripped of soils and overburden via previous phases of development. Remaining stores are in bunds only. Estimated 1000m³ of topsoil - to be relocated to north and west of the area to form edge protection.

Phases B and C to remain in ancillary use (stocking and lime drying) during the operation of the Phase 1 working area.

Soils stripping in Phase 1 generates the following volumes:

- 2465m³ of topsoil - to be stored in Bund B (plus 445m³ of topsoil from base of Bund A);
- 1972m³ of subsoil - to be stored in Bund A; and
- 9860m³ of overburden - to be direct placed in restoration of current site.

Planned Movements as follows:-

- strip 547m³ of topsoil from base of Bund A and store in Bund B (part);
- remainder of topsoil in Phase 1 to be used to finish bund 1 and in edge protection;
- strip subsoil from Phase 1 and 1,694 m³ of overburden to form Bund A.
- remainder of overburden to be used in progressive restoration of current workings.

350,000 tonnes of limestone to be won from Phase 1, and 25,000 tonnes of limestone from Phase A restoration of current site on going.

All soils bunds to be provided with edge protection and/or stand off from extraction face in accordance with requirement of Quarries Regulations 1999.



Location
Settrington Quarry

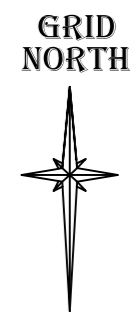
Title
Southern Extension
Proposed Working Plan - Phase 1

Drg.No.	Scale	Date
S1/PL20/0301A	1:1000@A1 1:2000@A3	01/24

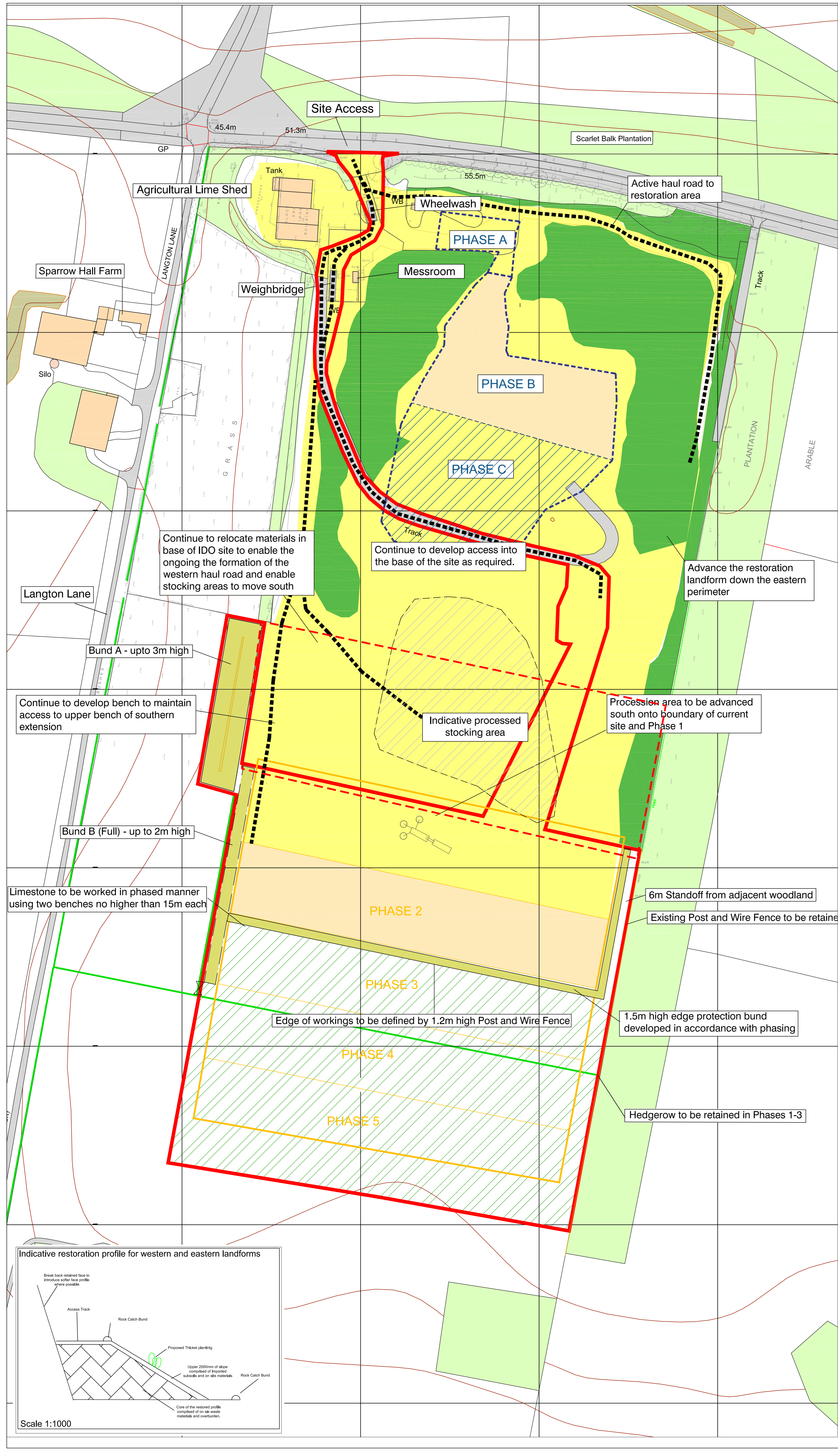


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- Active or completed Restoration Phase
- Land remaining in Agricultural land use



Continue to relocate materials in base of IDO site to enable the ongoing the formation of the western haul road and enable stocking areas to move south

Continue to develop access into the base of the site as required.

Advance the restoration landform down the eastern perimeter

Langton Lane

Bund A - upto 3m high

Continue to develop bench to maintain access to upper bench of southern extension

Indicative processed stocking area

Procession area to be advanced south onto boundary of current site and Phase 1

Bund B (Full) - up to 2m high

Limestone to be worked in phased manner using two benches no higher than 15m each

PHASE 2

6m Standoff from adjacent woodland

Existing Post and Wire Fence to be retained

PHASE 3

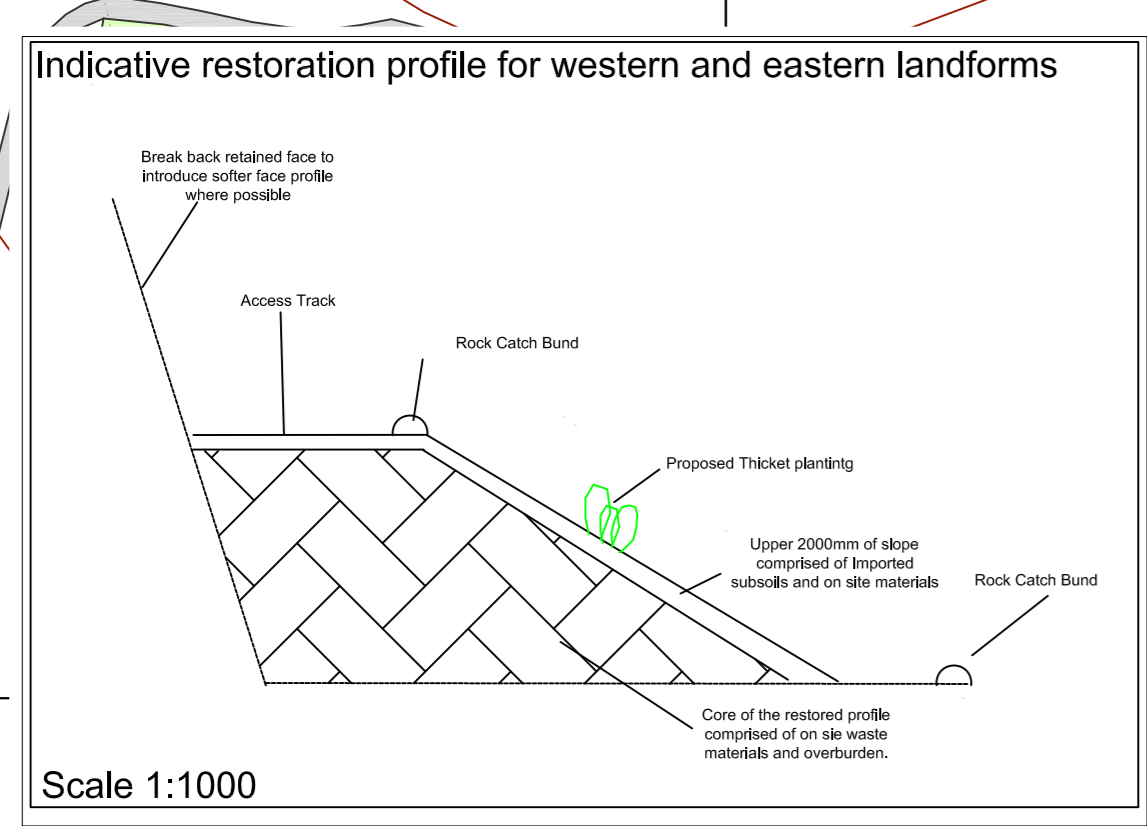
Edge of workings to be defined by 1.2m high Post and Wire Fence

1.5m high edge protection bund developed in accordance with phasing

PHASE 4

Hedgerow to be retained in Phases 1-3

PHASE 5



Notes
All existing perimeter hedges to be retained and managed as required. Advance planting to be west of Phases 1 and 2 to be maintained.

Phase B has already been stripped of soils and overburden via previous phases of development.

Phase C to remain in ancillary use (stocking and lime drying) during the operation of the Phase 2 working area.

Phase 2 generates the following volumes:

- 2087m³ of topsoil;
- 1670m³ of subsoil; and
- 8350m³ of overburden.

Planned Movements as follows:-

- strip topsoil from Phase 2 (547m³) and complete Bund B;
- remainder of topsoil in Phase 1 to be used in edge protection;
- strip subsoil from Phase 2 and either supplement edge protection or use in site restoration. Emphasis on retaining soils in southern extension for restoration of the same area.
- overburden to be used in progressive restoration

300,000 tonnes of limestone to be won from Phase 2 and estimated 40,000 tonnes of limestone from base of Phase B, restoration of current site on going.

All soils bunds to be provided with edge protection and/or stand off from extraction face in accordance with requirement of Quarries Regulations 1999.



Location
Settrington Quarry

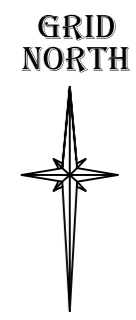
Title
Southern Extension
Proposed Working Plan- Phase 2

Drg.No.	Scale	Date
S1/PL20/0302 Rev A	1:1000@A1 1:2000@A3	01/24

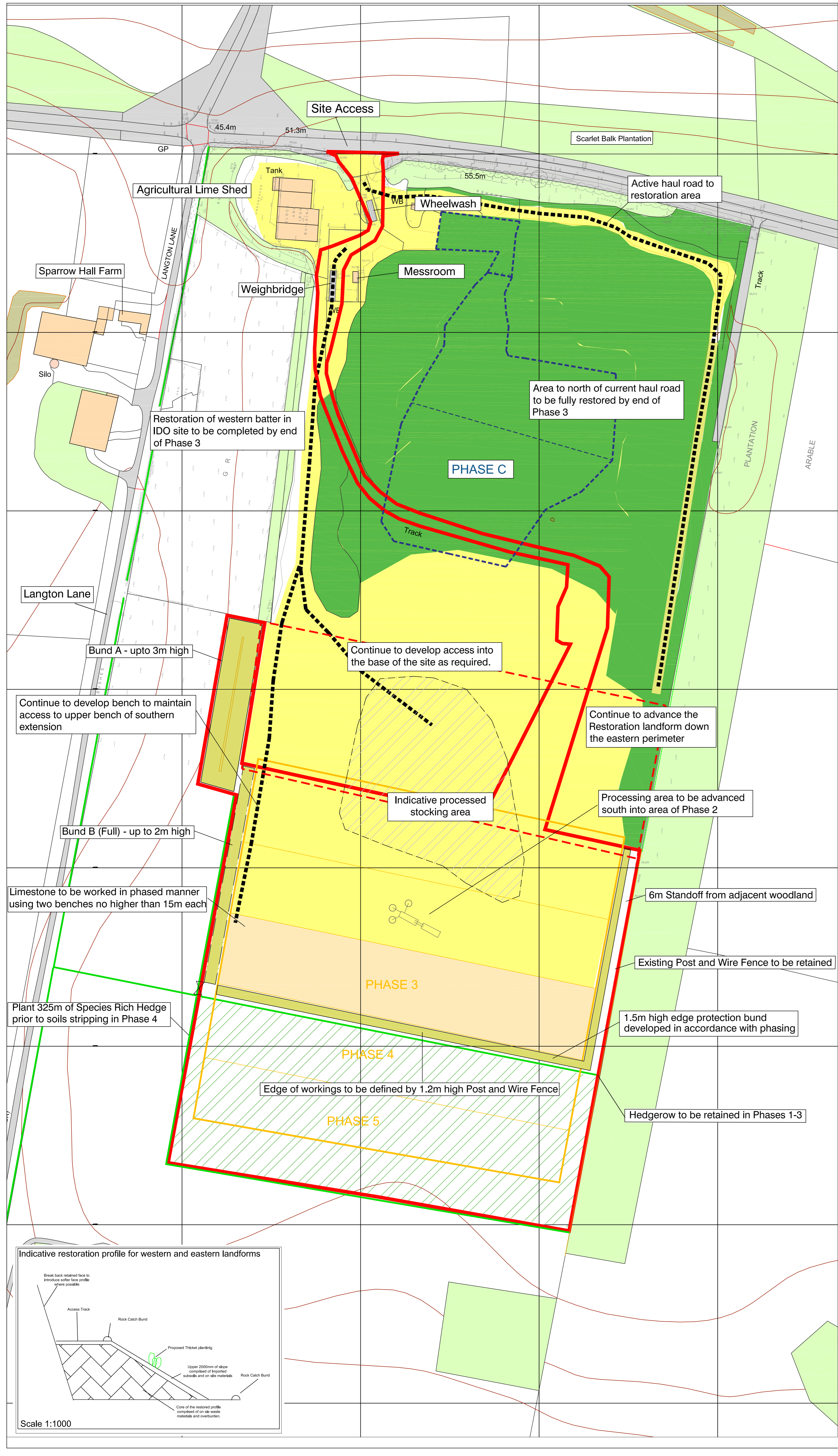


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- Active or completed Restoration Phase
- Land remaining in Agricultural land use



Restoration of western batter in IDO site to be completed by end of Phase 3

Area to north of current haul road to be fully restored by end of Phase 3

Continue to develop access into the base of the site as required.

Continue to develop bench to maintain access to upper bench of southern extension

Continue to advance the Restoration landform down the eastern perimeter

Indicative processed stocking area

Processing area to be advanced south into area of Phase 2

Bund B (Full) - up to 2m high

6m Standoff from adjacent woodland

Limestone to be worked in phased manner using two benches no higher than 15m each

Existing Post and Wire Fence to be retained

Plant 325m of Species Rich Hedge prior to soils stripping in Phase 4

1.5m high edge protection bund developed in accordance with phasing

Edge of workings to be defined by 1.2m high Post and Wire Fence

Hedgerow to be retained in Phases 1-3

Notes
All existing perimeter hedges to be retained and managed as required. Advance planting to be west of Phases 1 and 2 to be maintained. Advance planting to be provided west and south of Phases 4 and 5 via species rich hedgerow. See section 3 of supporting statement for details on composition and planting.

Phase generates the following volumes:

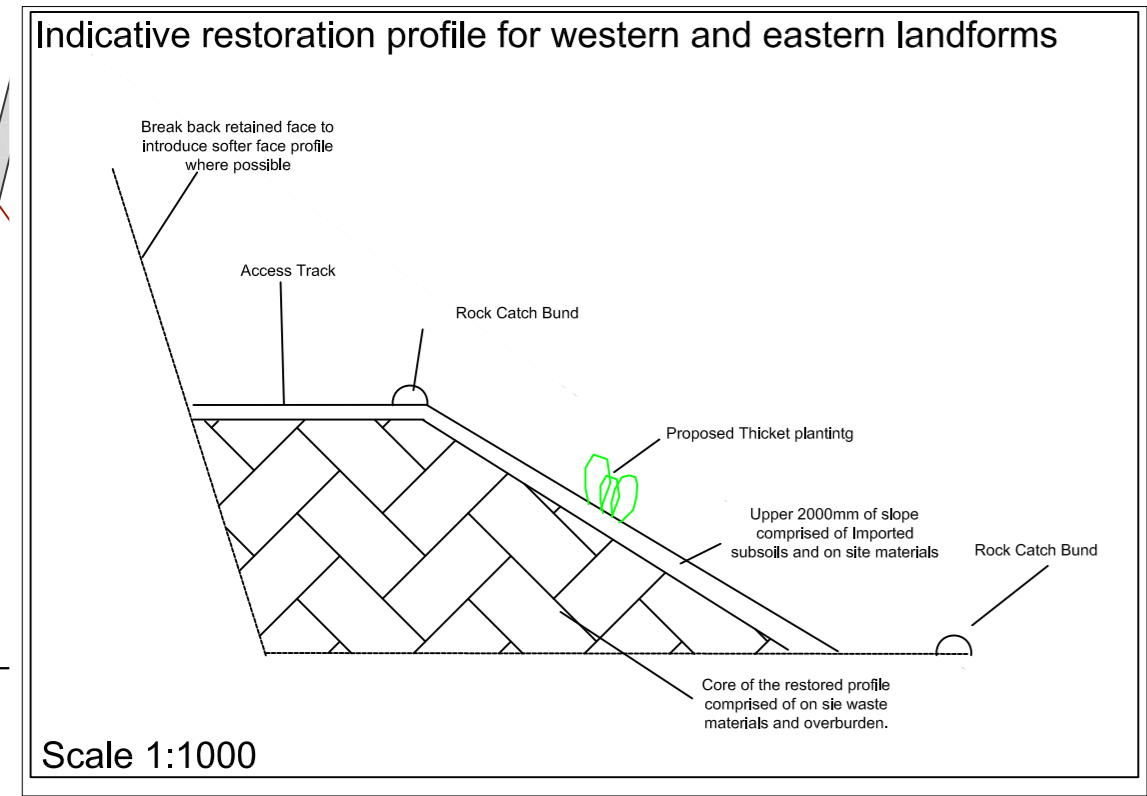
- 2177m³ of topsoil;
- 1694m³ of subsoil; and
- 8470m³ of overburden.

Planned Movements as follows:-

- strip topsoil from Phase 3 to be used in edge protection;
- subsoil to be used in progressive restoration. Emphasis on retaining soils in southern extension for restoration of the same area.
- overburden to be used in progressive restoration.

305,000 tonnes of limestone to be won from Phase 2 and estimated 40,000 tonnes of limestone from base of Phase C, restoration of current site on going.

All soils bunds to be provided with edge protection and/or stand off from extraction face in accordance with requirement of Quarries Regulations 1999.



Location
Settrington Quarry

Title
**Southern Extension
Proposed Working Plan - Phase 3**

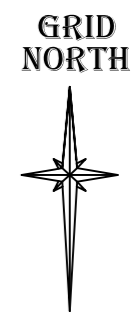
Drg.No. S1/PL20/0303 Rev A	Scale 1:1000@A1 1:2000@A3	Date 01/24
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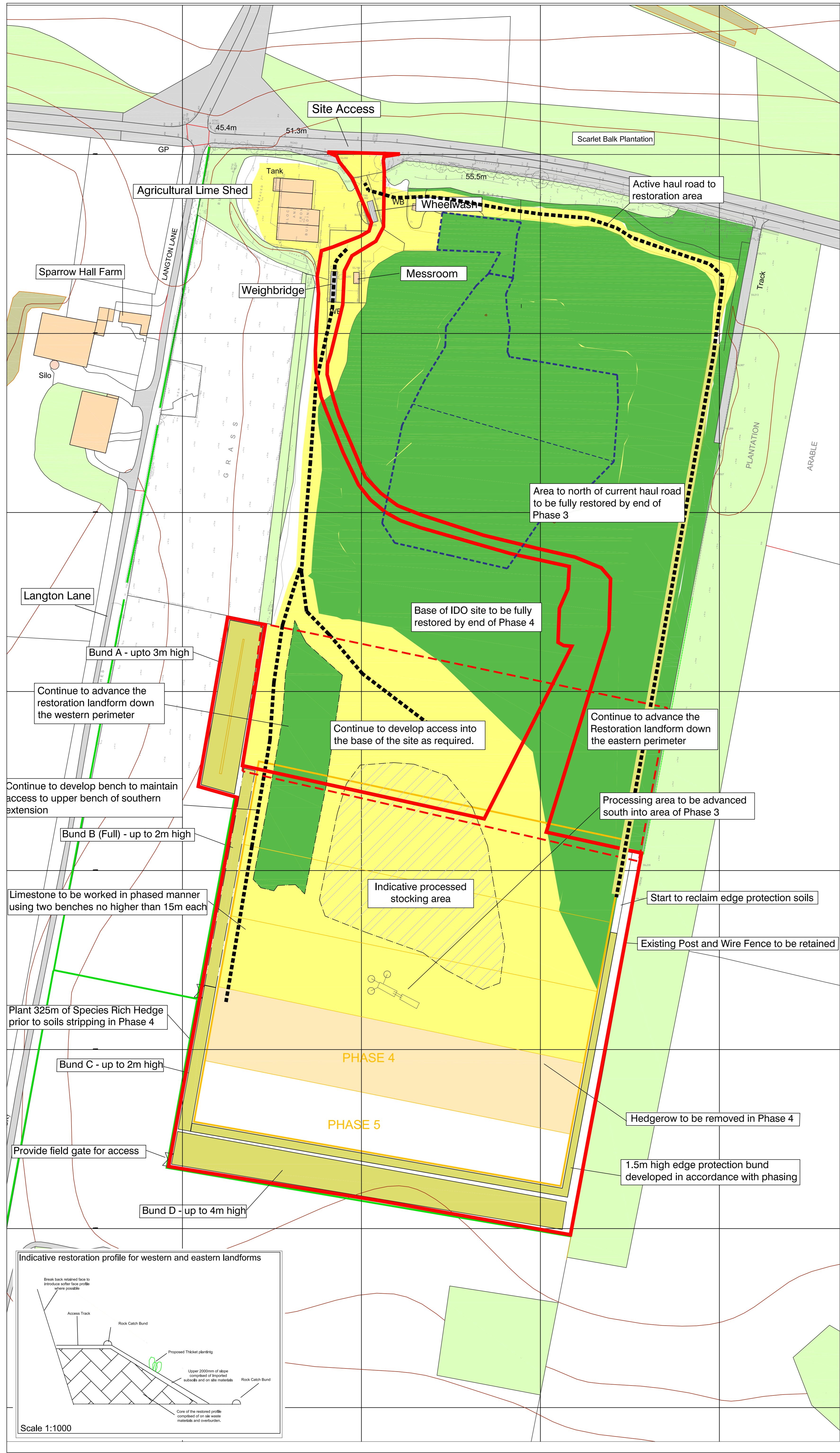
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- Active extraction phase
- Indicative location of stocking area
- Active or completed Restoration Phase
- Land remaining in Agricultural land use



Notes

All existing perimeter hedges to be retained and managed as required.

Phase generates the following volumes:

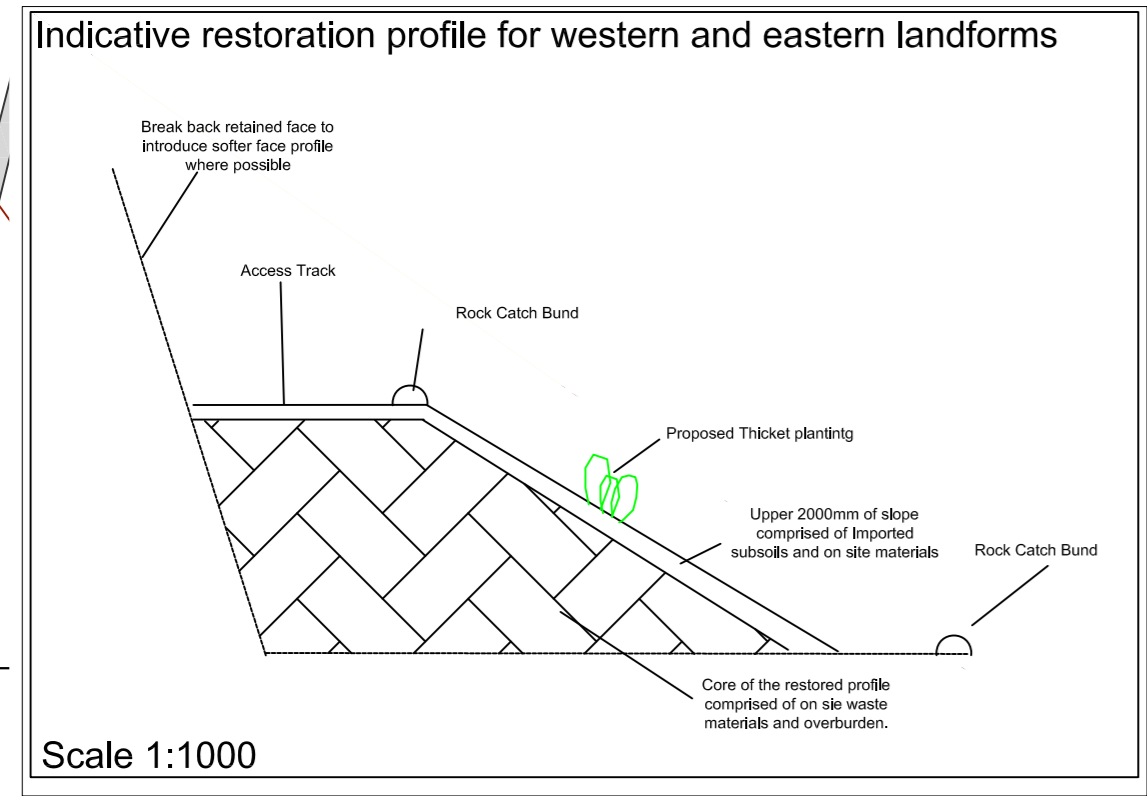
- 2137m³ of topsoil;
- 1710m³ of subsoil; and
- 8550m³ of overburden.


Planned Movements as follows:-

- strip topsoil from Phase 4 (648m³) and complete Bund C;
- remainder of topsoil from Phase 4 to be used in edge protection;
- strip topsoil from Bund D (945m³) and use in edge protection. Subsoil and overburden to be committed to store in Bund D (circa 8,000m³) remainder to be used in restoration. Emphasis on retaining soils in southern extension for restoration of the same area. overburden to be used in progressive restoration.

307,000 tonnes of limestone to be won from Phase 4.

All soils bunds to be provided with edge protection and/or stand off from extraction face in accordance with requirement of Quarries Regulations 1999.





Location
Settrington Quarry

Title
**Southern Extension
Proposed Working Plan - Phase 4**

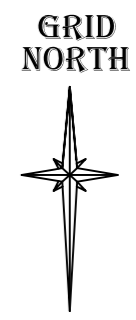
Drg.No. S1/PL20/0304 Rev A	Scale 1:1000@A1 1:2000@A3	Date 01/24
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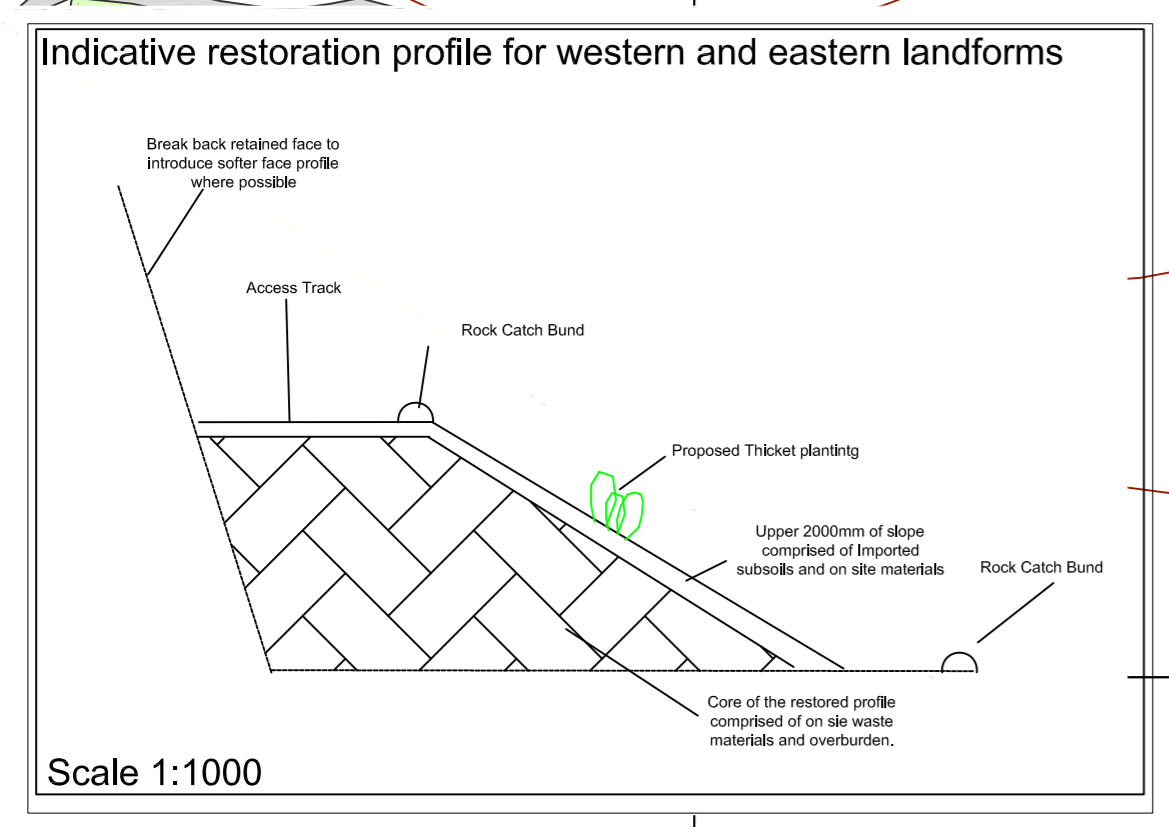
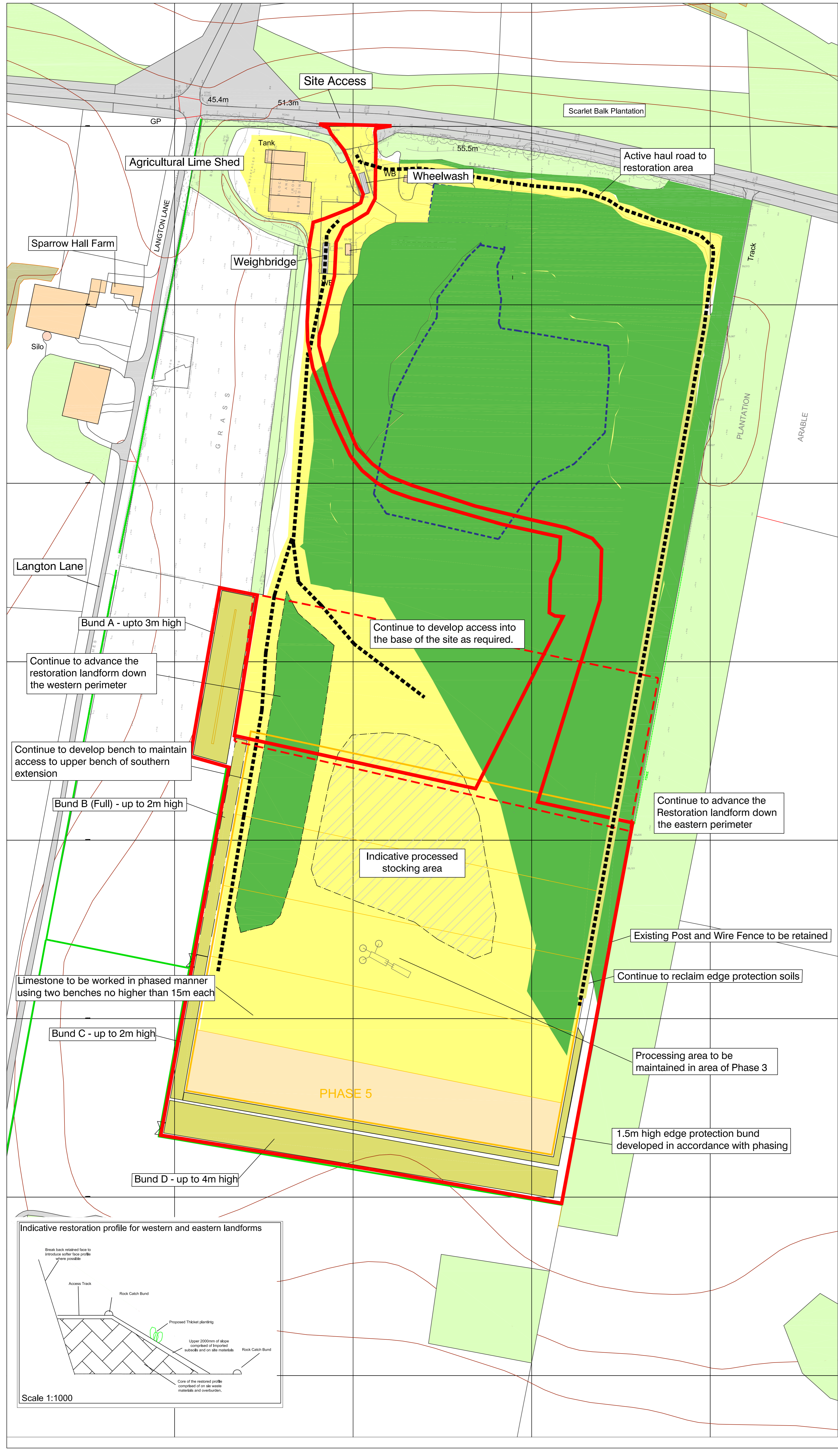
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- Active extraction phase
- Indicative location of stocking area
- Active or completed Restoration Phase
- Land remaining in Agricultural land use



Notes

All existing perimeter hedges to be retained and managed as required.

Phase 5 generates the following volumes:

- 1672m³ of topsoil;
- 1338m³ of subsoil; and
- 6690m³ of overburden.

Planned Movements as follows:-

- all soils and overburden stripped from Phase 5 to be used in restoration operations in preceding areas of the southern extension;
- all perimeter bunds and edge protection to remain in place until required as part of restoration of phases 4 and 5.

Soils materials from remaining bunds to be released to complete restoration on a progressive basis, as and when landform in given area has been completed.

245,000 tonnes of limestone to be won from Phase 5.

All soils bunds to be provided with edge protection and/or stand off from extraction face in accordance with requirement of Quarries Regulations 1999.



Location
 Settrington Quarry

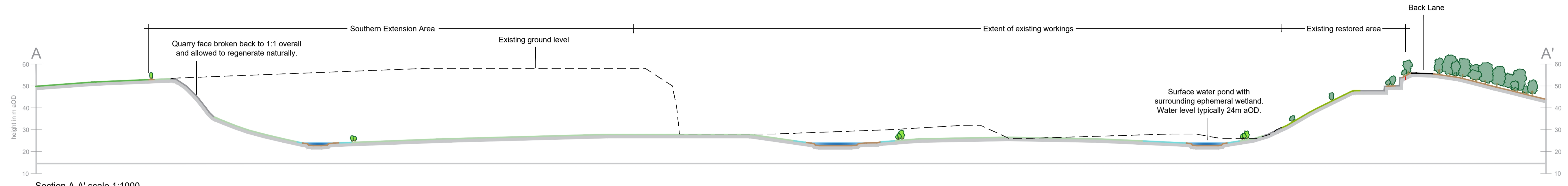
Title
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 Proposed Working Plan - Phase 5

Drg.No. S1/PL20/0305 Rev A	Scale 1:1000@A1 1:2000@A3	Date 01/24
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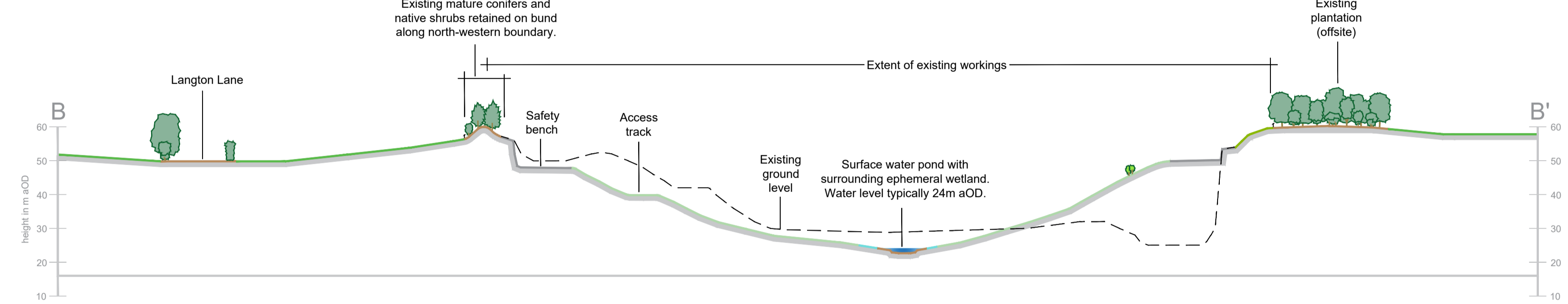
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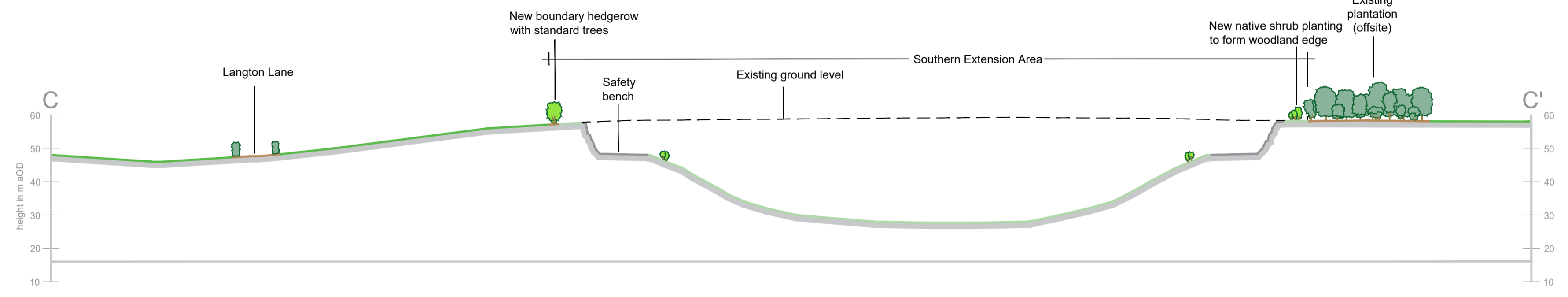
Section A-A' scale 1:1000



Plan scale 1:2000



Section B-B' scale 1:1000



Section C-C' scale 1:1000

KEY					
	Proposed Southern Extension Area		Existing native woodland / trees		Proposed limestone grassland
	Existing consented extraction area		Existing native species hedgerow		Proposed conservation grassland
	Existing contours 2m intervals		Existing areas of natural regeneration		Proposed native trees and shrubs
	Indicative proposed contours 2m intervals		Proposed managed natural regeneration		Proposed native shrubs
	Retained exposed rock face & bare ground		Proposed ephemeral pond		Proposed native hedgerow
			Proposed ephemeral wetland vegetation		Proposed standard trees

Not for construction. Do not scale this drawing.
 Topographical data for existing and retained levels from LSTC figure 06-13134-01revC dated 01.02.2017, site survey Nov 2020, and OS Terrain 5 DTM. Slope design parameters from approved Plan 1 revB dated March 2011

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Project Settrington Quarry Southern Extension Landscape and Visual Appraisal		
Title Figure S1/PL20/05 Restoration Masterplan		
Scale as shown @ A1	Date September 2022	Reference 1035/CAD/Restn Mplan C

TABLE 3

PREDICTED VIBRATION LEVELS PROPOSED EXTENSION AREA AT SETTRINGTON QUARRY

Considering a maximum instantaneous charge weight of 37.5 kg utilised in the proposed extension area at the nearest distance of approach to the location considered, the predicted vibration levels are as follows:-

Location	Vibration Level Peak Particle Velocity (mms^{-1})	
	Mean (50%)	Maximum (95%)
1	1.77	3.86
2	0.10	0.22
3	0.09	0.20
4	0.12	0.25
5	0.16	0.34
6	0.49	1.07
7	0.06	0.13
8	0.07	0.16

Locations (see Figure 1)

1. Sparrow Hall Farm
2. Town Green House
3. 42a Back Lane
4. Yew Tree House
5. Station House
6. Settrington Grange
7. Woodside Cottage
8. Westfield Farm

FIGURE 1

PREDICTION LOCATIONS



1. Sparrow Hall Farm
2. Town Green House
3. 42a Back Lane
4. Yew Tree House
5. Station House
6. Settrington Grange
7. Woodside Cottage
8. Westfield Farm