

Based upon Ordnance Survey Data with the permission of The Controller of Her Majesty's Stationary Office. © Crown Copyright. BCL Limited, Wolverhampton, Licence No. AL 100045370. Contains Ordnance Survey data © Crown copyright and database right 2016.



The design of the proposed extension site has been through numerous iterations and refinement in order to strike a balance between viable operation and appropriate integration into what is recognized as a sensitive landscape.

The unusually narrow footprint of the application area combined with phased extraction and progressive restoration presents the most compact commercially viable operation possible at this site. Various final restoration solutions have also been explored with submitted proposals currently committed to reinstatement of agricultural lands and ground levels as per existing.

**Extraction Phase 1:**

With screen berms established and access tunnel constructed between existing operation area and proposed, extraction of Phase 1 would commence.

This would initially involve removal of overburden material with the west faces in particular graded, and temporarily hydroseeded to green up for the duration of Phase 1 mineral extraction.

**2 - Extraction Phase 1**



Suttles Stone Quarries  
Swanworth Quarry  
Worth Matravers, Swanage  
Dorset  
BH19 3LE  
Tel: 01929 439444  
Fax: 01929 439446  
Email: info@suttles.co.uk

BCL Document Ref. OPL.SSQ.Swith.MPS16.F1  
Digital Ref.

Scaled for Reproduction at: A3L  
Version 1  
Technology Centre, Wolverhampton Science Park  
Wolverhampton, WV10 9RU  
tel: 01902 824111 fax: 01902 824112  
email: info@bclhydro.co.uk  
www: http://www.bclhydro.co.uk

Suttles Stone Quarries  
Swanworth Quarry, Worth Matravers, Dorset

Consultation on the Bournemouth, Dorset & Poole Minerals Site Allocation Plan Swanworth Quarry Extension (PK16)

Preliminary Hydrological & Hydrogeological Risk Assessment

Proposed Extension: Phase 1  
Drawn By: TD Scale: 1:3,800  
Date: 16/12/16 Figure No. 12

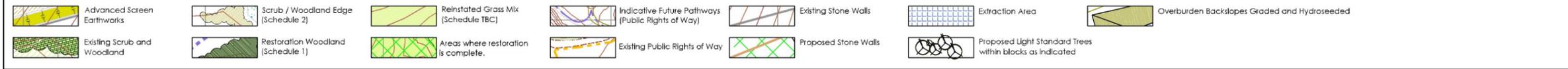


**Extraction Phase 2:**

With Phase 1 area extracted, stripping of soils and overburden can commence over the phase 2 area with materials deposited to the south west of phase 1 commencing progressive restoration which will ultimately return the site to its existing condition and level.

Exposed western overburden faces to be graded, and temporarily hydroseeded to green up for the duration of Phase 2 mineral extraction.

**3 - Extraction Phase 2**



Suttles Stone Quarries  
Swanworth Quarry  
Worth Matravers, Swanage  
Dorset  
BH19 3LE  
Tel: 01929 439444  
Fax: 01929 439446  
Email: info@suttles.co.uk

BCL Document Ref: OPL.SSQ.Swith.MPS16.F1  
Digital Ref:  
Scaled for Reproduction at: A3L

Version: 1  
Technology Centre, Wolverhampton Science Park  
Wolverhampton, WV10 9RU  
tel: 01902 824111 fax: 01902 824112  
email: info@bclhydro.co.uk  
www: http://www.bclhydro.co.uk

Suttles Stone Quarries  
Swanworth Quarry, Worth Matravers, Dorset

Consultation on the Bournemouth, Dorset & Poole Minerals Site Allocation Plan Swanworth Quarry Extension (PK16)

Preliminary Hydrological & Hydrogeological Risk Assessment

Proposed Extension: Phase 2

Drawn By: TD Scale: 1:3,800  
Date: 16/12/16 Figure No. 13