

Indicative Method statement

1. Project Details			
Client	Council of the Isles of Scilly	Tel No:	
Principal Contractor	To be appointed	Tel No:	
Contract Manager	TBC	Tel No:	
Site Agent	TBC	Tel No:	
Job Number	TBC	Close call QR Code	
Location	Porth Hellick, St. Marys		
Start Date / Duration	TBC		
CDM notifiable project	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Principal Designer or Client approved plan	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>

2. Method Statement Review – (review and approval signatures only required for high risk work)		
Compiled by	Date	Sign and date
Max Clausen	26/04/19	M. Clausen
Reviewed by	Date	Sign and date
Paul Risdon	26/04/19	Pwr
Approved for issue	Date	Sign and date
Paul Risdon	26/04/19	Pwr
Date of change	Reason	Approved by

3. Management of site safety			
Site Agent	TBC	Tel No:	
Site Safety Rep	TBC	Tel No:	
First Aider	TBC	Tel No:	
Fire Co-ordinator	TBC	Tel No:	
Safety Advisor	TBC	Tel No:	

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4. Location of Works

Porth Hellick, St. Mary's, Isles of Scilly

5. Description of work to be undertaken

- Site establishment
- Recharge of the dune
- Construction of the beach access ramp
- Construction of the approach track
- Vegetation of the dune crest

6. Access to and from the site

It is envisaged that:

Vehicle access to Porth Hellick is from Carn Friars Lane and then via an unsurfaced track to the beach. See Site Information for illustration. The Contractor may choose to lay a temporary haul track.

The proposed Contractor's compound will be located in the field adjacent to the beach. See Site Plan.

The Working Area, as indicated in the Site Plan-0500, is on Porth Hellick Dune.

7. Welfare Facilities

The site is likely to be equipped with the following welfare and first aid facilities:

1 No Combination Unit with the following facilities: -

Toilet
Canteen
Drying Room
Microwave
Hot Water
Generator

8. Permits Required

Permit to dig/Service clearance	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Refer to section 21
Hot Works Permit	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Refer to section 20
Confined space permit	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Refer to section 24
Crane Permits / Lifting Plans	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Refer to section 22
Other Permit	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	If yes, give details in section 9

9. Details of additional permits required

10. Risk assessments

RA0XX – Use of Excavators
RA0XX – Use of Excavators for Lifting
RA0XX – Manual Handling

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RA0XX – Working within the marine environment

11. COSHH assessments

Red Diesel

12. Subcontractors on site

TBC

13. Traffic management arrangements

It is envisaged that:

- The materials will be delivered by the barge to Porthloo beach where they will be offloaded and transported by flatbed lorry to Porth Hellick.
- Some materials may be delivered loose e.g. the 4-10mm granite stone. If this is the case, then an excavator will load the dump trucks to transport the stone to Porth Hellick. However, it likely they will be delivered in 1m cubed bags and transported on a flatbed lorry.
- A traffic management plan will be developed to allow safe plant movements.

14. Personal protective equipment (PPE)

It is envisaged that Safety Footwear, Hi Viz Vests and Hard Hats would be mandatory on all worksites for ALL persons including visitors/client etc.

The following PPE is to be worn where specified in the method statement, COSHH and/or Risk Assessments

PPE Type	Applicable	Specification
Visor	YES <input type="checkbox"/>	
Goggles/ Glasses	YES <input checked="" type="checkbox"/>	BS EN 1633 Grade 3
Ear Defenders	YES <input type="checkbox"/>	
Overalls	YES <input type="checkbox"/>	
Respiratory Equipment	YES <input type="checkbox"/>	
Gloves / Gauntlets	YES <input checked="" type="checkbox"/>	Heavy Duty
Other PPE	YES <input type="checkbox"/>	

15. Plant and materials to be used

It is envisaged that the following will be used:

Plant

- 360° Excavators
- Concrete Loading Skip

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- Dumper(s)
- Roller
- Miscellaneous site vehicles
- Miscellaneous small plant and tools

Material

- 4-10mm crushed Cornish Granite
- Biodegradable coir matting – Salix Coconet 800
- Fascicularia Bicolor bushes
- Type 1 stone (Clause 803 SHW)
- Terram 1000 geotextile
- Dycel 150 blocks and 8mm stainless steel cable
- Ekotext 30 geotextile
- RC20 mass concrete
- Strata Web 200mm geogrid
- Ekotext 10 geotextile

16. Safe method of work to be implemented

The following indicative method of working is envisaged:

Set up Temporary Works

- The engineer shall set-out the compound and working area to the coordinates on the drawings and erect perimeter security. Note the panels will only be erected above the MHWS mark on the beach. The working area below this level will be adjusted to suit tide levels using cones and tape, and/or sand bunds.
- The welfare unit shall be offloaded from an assume flatbed lorry and set-down in the compound and connected to the services where present.

Ramp approach track

- An approach track to the beach access ramp shall be constructed from of Type 1 stone (Clause 803 SHW) and compacted in 300mm layer underlain by Terram 1000 geotextile to the extents shown on the drawings.

Beach Access Ramp

- The formation layer for the beach access ramp shall be cleared of debris before being overlaid with Ekotext 10 geotextile.
- Strataweb geogrid shall overlay the Ekotext 10 geotextile and the cells shall be pinned open and infilled with 4-10mm crushed granite.
- At the crest of the dune, the Strataweb shall be built-up to three layers and on the ramp slopes it shall be two layers.
- The Ekotext 10 geotextile shall brought up to contain the sides of the Strataweb fill.
- The Ekotext 30 geotextile shall overlay the top surface of the Startaweb to provide a formation layer to the Dycel blocks
- Dycel blocks shall be hand laid and threaded with stainless steel cables to form a continuous ramp surface.
- The cable ends shall be formed into loops and shall terminate in around a 20mm diameter stainless steel bar.
- The termination bar shall be set in a mass concrete trench.

Dune Recharge

- 4-10mm crushed Cornish Granite shall be brought to site in 1m cubed bags where it will be offloaded and stored in the compound ready for use.
- Once the tide has receded, and the sea state allows, excavators will load the dumpers which shall position the material in the area indicated on the drawings.
- The invasive species (Hottentot Fig) shall be left insitu and shall be overlaid with the dune recharge material.
- An excavator will grade the material to the correct profile
- Biodegradable coir matting shall over lay the newly raised dune and shall be pinned with wooden stakes.
- A 50mm layer of topsoil shall be spread over the coir matting and seeded with native grass seeds.

Vegetation of the dune crest

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- The existing dune crest and newly raised crest shall be planted with *Fascicularia Bicolor* bushes at the locations indicated on the drawings. Where these are located in the Hottentot Fig, the fig shall be removed by hand to allow the planting of the *Fascicularia Bicolor* bushes. The removed Hottentot Fig shall remain within existing extents of the plant so as not to encourage its spread.
- The newly raised crest shall be planted in a 4m wide strip with equal coverage to the landward and seaward side of the dune with a mixture of mature and juvenile plants.

17. Control of Hand Arm Vibration Syndrome (HAVS) risk and Noise control measures

All items of plant and equipment that may cause a risk from HAVS must be individually listed in the table shown below.

Equipment	Vibration Output	Actual trigger time to reach the daily 80 exposure points limit
Stihl Saw	3.9m/s ²	2 Hours 38 Mins
SDS Drill	6.5m/s ²	57 Mins
Circular Saw	2.5m/s ²	6 Hours 24 Mins

18. Monitoring of site operations

It is envisaged that:

- All site operations will be supervised by the Site Agent. The work activities and risks will be conveyed and discussed during the Daily Site Briefing carried out each morning (all attendees to sign to confirm their understanding of the DSB).
- Any changes required, or points raised will be discussed and the Risk Assessments/Method Statements (RAMS) amended appropriately.
- The SHEQ Supervisor will visit site monthly to carry out a Health, Safety, Environmental and Quality inspection.
- Throughout the duration of the works the sea levels and sea state shall be monitored.
- If there is a risk of inundation from the sea, an alarm (whistle) will be raised to signify that works will cease.
- All plant to be evacuated from the working area and stored in the designated parking area, which will be the highest available point of the site.
- Materials will be stored in the site compound and stores. These will be positioned in order so the materials least likely to be washed away or cause pollution to the watercourse will be stored at the lower levels of the compound.

19. Training requirements

It is envisaged that:

- All operatives to be CSCS trained.
- All plant operatives to be CPCS or equivalently trained.
- Operatives required to use a CAT & Genny will be competent.
- All records of training certificates are to be kept on Workspace.

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20. Fire prevention measures and control of hot works

It is envisaged that:

- No fires to be permitted on site.
- The Site Agent will carry out a Fire Risk assessment and implement provision of Fire Fighting equipment as identified.
- Any Hot Works identified will require a Hot Works Permit prior to commencement, no hot works have been identified in the preparation of this method statement.

21. Control of excavation work

It is envisaged that:

Excavation work is always hazardous due to uncharted and unknown services that may be present. The following outline procedure must be strictly followed when excavating and exposing services:

1. A Permit to Dig is required for all excavations.
2. Where possible the client/service provider should isolate known services prior to excavating. This isolation should be confirmed in writing prior to commencing.
3. Using a CAT (Cable Avoidance Tool), the area must be scanned, and the positions of any known services identified. If other services are identified by the CAT scan, then extreme caution must be exercised when excavating.
4. Manhole and pit covers must be lifted within the immediate location to establish the direction and depth of any services. Where possible always use clamp and/or generator to establish depth and direction of services.
5. Where possible, trial holes may be dug to identify the true location, depth and direction of known services. In areas where services are present, but no drawings are available, trial holes must be carried out.
6. Excavators must never dig deeper than 150mm with each stroke unless it is known that there are no services present.
7. CAT scanning must take place after every layer of soil is removed to ensure that any services can be successfully located.
8. Hand digging must be used within 500mm of the suspected location of a buried service. This must be carried out with extreme caution. This applies regardless of known cable depths.
9. If the service provider is unable to isolate the services, the excavation must not proceed unless written permission to do so has been obtained from the Project Manager.
10. Any changes to the safe system of work associated with the excavation works must be approved by the person in charge prior to being undertaken.

22. Lifting Operations

It is envisaged that:

An individual lifting plan must be attached to this method statement which covers all the lifting operations that are to be undertaken on the site.

All lifting accessories should be tagged with the current compliance colour. - tbc

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- A routine lifting operation plan will be in place for the lifting of materials.

23. Manual handling

It is envisaged that:

Arrangements are to be made to identify any major elements of the work which may constitute a risk from manual handling. The relevant control measures must be recorded in this section of the method statement.

- Where practicable the excavator will be used to lift all material.
- Where manual handling is required, site operatives will lift any materials inline with manual handling guidance given in a toolbox talk.

24. Confined spaces – safety arrangements

It is envisaged that:

All Operatives involved in a confined space entry must be trained and competent to do so.

Only an 'Authorised Person' may issue a Confined Space Entry Permit.

- No Confined Space Entries identified during these works

25. Environmental considerations

It is envisaged that:

Statements showing how all relevant environmental aspects and impacts that are identified either in the PMP or on the Risk and Environmental Impact Assessment Form must be recorded in this section of the method statement.

- Spill Kits will be available at site.
- Toolbox talk to be carried out in advance of the works in how to deal with a spill near to the marine environment.
- All mobile plant is be in good serviceable condition.
- All fuel to be stored in suitable double bunded containers and stored in the fuel store.
- No refuelling or storage to take place within 10m of a watercourse including the sea.
- All plant hydraulics to be run on Bio Oils.
- Invasive species (Hottentot fig) shall be contained within its existing extents and shall not be removed from this area.

26. Site specific emergency arrangements

It is envisaged that:

Local Muster Point : The Muster Point is to be the site entrance

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Always telephone the relevant emergency service first then the Site Agent if there has been a serious injury or there is an immediate risk of danger

Call the Agent first for advice if there is no immediate risk of danger and/or no one has sustained a serious injury.

In Case of Emergency 999

TBC	Site Agent	Mobile	
TBC	Contracts Manager	Mobile	
TBC	Foreman	Mobile	

27. Updated information causing change to the method statement

(insert any details relating to site conditions or changes to the method statement that need to be recorded during the progress of the contract)

Weather or environmental conditions that are likely to affect the place, or point of work (e.g. Dark, Wet, and Icy etc.)	Control measures that are required to control the risk caused by the weather or environmental conditions
AM.	
PM.	