

Method Statement:-

Concrete Facing of Seawall

Scope of Works:

The scope of these works is to strengthen the existing seawall by facing with a reinforced concrete facing. This is a control measure for the protection of the C147 coastal road asset to negate the failure of the existing seawall collapsing into the Kilbrannan Sound waters.

Location of Works:

C147 coastal road, South of Pirnmill, Isle of Arran.

Site Work Sequence:

1. Set up site enclosure.
2. Enact any pedestrian and traffic management to site.
3. Operatives must receive an Initial Site Induction and Work Activity Briefing
4. Create temporary bund to make works area dry (Provisional in localised areas).
5. Dowel 3 rows of stainless steel dowels.
6. Create temporary timber formwork and pour concrete facing 200mm.
7. Remove temporary formwork (and provisional bund).
8. Repeat steps 4-7 along all areas of concern along existing concrete seawall.
9. Remove traffic management.

List of Materials:

| | | |
|----------|-------------|-------------------|
| Concrete | Class 40/50 | 66 m ³ |
| Steel | Dowels | 350 No. |

Hazards, Risks Assessments & Control Measures:

The work will involve working in or in the vicinity of coastal water and the Contractor should be aware of his responsibilities regarding pollution and the risk of prosecution by Marine Scotland if pollution occurs as a result of the works. In particular, he should take care not to pollute the water with fuel or silt etc. Guidelines are to be adhered to.

A safety plan must be developed and approval prior to work commencing to address the following health, safety and welfare issues:

1. Public access
2. Site access
3. Working at height
4. Working in or over water
5. Emergency procedures
6. First aid Work activity risk assessment

| Work Activity | Risk | Control Measures Required |
|--|--|---|
| Location and access | Vehicle accidents | Ensure appropriate traffic management is implemented including adequate arrangements for the uplift and delivery of materials to the site. |
| Pedestrian / Cycles movement and control | Accidents involving members of the public | Implement pedestrian / cycles management in accordance with a pathway closure which will be required on site. |
| Working in or above water | Slipping and injuring Drowning Contamination of watercourse / marine environment | Appropriate PPE to be worn and suitable method of access down watercourse banking is to be employed. Work is <u>not</u> to be undertaken during periods of high water levels. No lone working. Employ suitable containment measures refer to guidance and inform Marine Scotland immediately of any significant incidents. |
| Working at height | Operatives falling causing injury Materials falling causing injury | Provide details of a safe system of work. Ensure all access equipment is in a good state of repair and appropriate for the work being undertaken. Ensure working area is kept tidy and materials are placed a suitable distance from openings. Appropriate PPE to be worn. |
| Manual handling | Personal injury, lacerations, strains. | Method statement to be provided. Operatives should have appropriate training in the lifting of heavy and awkward loads. Appropriate PPE to be worn. Use lifting aids where appropriate. |
| Plant and machinery | Injury, impact, | Disengage plant and machinery when unattended. Remove to safe area at meal times. Ensure equipment has been checked and is in good working order. Wear appropriate PPE. Use banksman as appropriate. |

Programme:

The works are to proceed upon confirmation of Marine Scotland authority.

The works are expected to take 2-4 weeks weather permitting.

Health & Safety Requirements:

1. CDM Regulations apply.
2. Operatives must have appropriate skills, knowledge, experience, and training. Proof of training will be requested from operatives on site, so operatives must carry their training cards. Details of certification of operatives and supervisory personnel on site, inclusive of first aiders shall be kept in the Health & Safety File on site.
3. A site induction must be provided to the operatives to confirm the nature of the work required, method statements and the health and safety procedures in place. Site operatives must sign to confirm that they have been inducted.
4. The site induction must confirm emergency procedures, including first aid and fire provisions.
5. Method statements, risks assessments and COSHH assessments must be on site and available to the workforce.
6. Mechanical lifting equipment required.
7. Plant and machinery certification to be kept in the Health & Safety File on site.
8. All plant to use a banksman where required.

PPE:

Appropriate PPE is to be worn as per site induction.

All workers are responsible for taking care of their PPE.

Environmental Risks & Control Measures:

In the event of an environmental incident a Spillage Procedure shall be followed and the Contractor will immediately advise the Local Authority & Marine Scotland by the next working day. Noise levels to be comply with Control of Noise and Vibration on Construction & Open Sites.

Waste Management:

In the event of the contractor removing waste off site, the contractor requires to be a registered waste carrier.