



Contract: Morfa Bychan Outfall

Method Statement/Risk Assessment

MS Ref:	MS/C1274M/01
Title:	Install Grating to Outfall
Author:	Paul Morgan

It is a condition of this Method Statement that it is approved by a single person as per the "Approved by" box below, and that one further signature is added from the list of nominations from the following GF / PM / Safety Co-ord. / Site Safety Supervisor / Site Agent.

APPROVAL PROCEDURE :	Name	Signature	Date
Method Statement completed :	P Morgan		02/08/23
Approved by :GF/PM/SITE SAFETY CO-ORD.			
Approval to proceed by GF :			
Approval to proceed by SA :			
Approval to proceed by Foreman :			
Approval by other (specify) : _____			
Distribution To : Young Bros Limited DCWW	A M Young		
	T Steven		
Date of latest review :			
Review by (initials):	PM		
Date of revision	05.10.23		
Revision	A	B	C
		D	E
			F

The understated persons are involved in the work described in the attached Method Statement.

DECLARATION.

As undersigned by myself, I confirm I have received and understood the duties and responsibilities expected of me in regard to the attached Method Statement and Risk Assessment, and I agree to abide by all contained / referred to within it. Furthermore I will not use any equipment (which requires specialist training), for which I have not been trained.

Method Statement Title	Method Statement Number
Install Grating to Outfall	MS/C1274M /01

	<u>NAME</u>	<u>SIGNATURE</u>	<u>DATE</u>
1.			
2.			
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References

Drawings & Sketches

Reference	Title
EL7773.001	Morfa Buchan Discharge Outlet - Culvert guard

Specifications, Guidance Notes & Codes of Practice

CESWI 7th Edition

Civil Engineering Specification, Version 1.0, November 2001

Other Relevant Documents

Young bros Ltd – Health, Safety & Environmental rules and procedures

Young Bros Ltd – Health, Safety & Environmental Site File

Young Bros Ltd – Health & Safety Employee Handbook

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1.0 Introduction

The stream diversion outfall pipe has become blocked with rocks at the outfall onto the beach. As a result, the stream water is discharging from a manhole onto the access lane and has caused flooding of the surrounding area. This is presenting H&S & Operational risk due to limited access to the Borehole.

The solution agreed upon is to place a culvert guard mounted onto the concrete outfall to prevent rocks blocking the outfall

**Site Address : Morfa Bychan
Pendine
SA44 4PL**

Co-ords : 222367, 207553

2.0 Supervising Staff Organisation

Contracts Manager : Aubrey Young

Project Manager : Paul Morgan

Site Foreman/First Aider: John Morris (07975 679893)

3.0 Risk Assessment

See attached risk assessments

4.0 Plant & Equipment

Up to 8 tonne excavator

Tracked dumper

CAT cable detector & genny

Temporary fencing and barriers

Small plant and equipment

5.0 Materials

Culvert guard – supplied and fitted by Ahdale Engineering

6.0 Construction Procedure

- 1 All employees and visitors will attend a Young Bros Site Induction and must sign-in to the visitor book located in the site offices.
- 2 This method statement / risk assessment will be communicated to all operatives prior to commencement. Once briefed to the operatives they will sign the briefing sheet and a copy will be kept in the site office.
- 3 All site personnel will be required to wear hard hats, boots, high visibility waistcoats and gloves as a minimum requirement within non-hazardous areas. Other forms of personnel protective equipment will be available on site and must be worn, as necessary. The site foreman will provide guidance on the PPE required for each operation. Please refer to the risk assessment for the specification of PPE.
- 4 Obtain COSHH information for substances that are likely to be found or produced during the work. COSHH Assessments are maintained in the site Health, Safety and Environmental Files.
- 5 Dwr Cymru Welsh Water (DCWW) to provide details of any underground / overhead services which affect the working area in their site packs.
- 6 DCWW to ensure all Environmental Audits have been carried out, prior to the works commencing.
- 7 Examine the statutory undertakers utility plans for the underground services which affect the compound area.
- 8 The accuracy of the drawings must not be relied on. A CAT and Genny survey must be undertaken to confirm location of existing services.
- 9 Carry out visual survey for overhead cables affecting the access and working area of the trial pits. If overhead services are considered a hazard, marker posts will be erected to warn operatives of their presence.
- 10 Access to the beach is via the existing walkway.
- 11 Prior to the commencement of the works the excavator and tracked dumper will be checked, to ensure no oil leaks prior to entering the beach/work area.
- 12 Spill kits to be present on the beach whilst works are being carried out.
- 13 Mobilise tracked excavator to site using a lowloader. A banksman to assist in unloading the excavators.
- 14 A toothless bucket to be used at all times to avoid damaging the main.

Concrete Outfall Works

- 15 The area for the works is to be barriered off, to ensure no pedestrians can access the work site.
- 16 Excavator operator to hold a valid CPCS card. Evidence to be maintained within the site documentation.
- 17 **The only item of mechanical plant allowed on the beach is the excavator & tracked dumper.**
- 18 A CPCS qualified signaller will control all plant movement at all times. A full time banksman will be required when carrying out any excavation works.
- 19 Due to the size of some rocks blocking the outfall, an excavator will be required to be used.
- 20 To gain access to the outfall, the existing beach stone will be required to fill one side of the concrete outfall to be levelled off.

- 21 A tracked dumper will be loaded with the beach stone and this material will be deposited on one side.
- 22 The excavator will level off the material until the end of the outfall has been reached.
- 23 Utilising hand tools and the excavator the end of the outfall will be cleared of the rocks.
- 24 The relocated rocks will be placed in an area to one side of the outfall.
- 25 The culvert guard will then be fixed to the concrete outfall face by Ashdale's .
- 26 Barriers will be removed from the beach at the end of each working day.
- 27 Maintain good housekeeping throughout the duration of the work.
- 28 Any visitors to site will be requested to report to the site office, or to contact Tom Steven, Project Co-ordinator, Dwr Cymru Welsh Water.

7.0 Emergency Procedures

Emergency procedures to be highlight during induction training.

Mobile telephones will be available on site and may be used in the event of an emergency. Emergency service numbers for the local area will be maintained within site documentation.

First aid facilities will be maintained in the work place transport.

Any accidents or near misses to be reported to DCWW and Young Bros.

The nearest hospital is **Glangwili Hospital, Carmarthen**. The route to the nearest hospital will be maintained within site documentation.

First aid facilities will be available in the works transport vehicle and site office.

DCWW Rule of 2 and escalation process to be followed should there be any issues with the existing main during the works. Keep away from the excavation, DCWW Capital & DCWW Operations, to be contacted immediately to enable a certificate of isolation to be issued.

8.0 Environmental Considerations

All static plant to be placed in trip trays to prevent spillages.

Use funnels to refuel plant and equipment.

At no point is any of the plant & equipment to be refuelled on the beach

An emergency spill kit will be maintained on site consisting of a boom, absorbent granules and absorbent pads.

Environmental tool box talks will be maintained in the Site Health, Safety and Environmental file.

All environmental considerations will be assessed by the Contracts Manager and Site Foreman throughout the duration of the contract.

The plant and equipment will require access to the Marros-Pendine Coast / Arfordir Marros-Pentywyn Site of Specific Scientific Interest (SSSI) when accessing the Morfa Bychan outfall. In order to avoid or reduce the potential for impacts to protected features of the SSSI caused by the movement of the plant and equipment, the following mitigation measures will be implemented:

- Low tyre pressure will be used when traversing across the beach;
- Trips throughout the site will be kept at a minimum to reduce disturbance to the site; and
- Mudflats and sandflats present at the site will not be traversed at any point during the work activities.