



# Robin Hood's Bay Seawall Capital Maintenance Scheme

PAR Appendices

February 2016

Scarborough Borough Council





# Robin Hood's Bay Seawall Capital Maintenance Scheme

PAR Appendices

February 2016

Scarborough Borough Council

Town Hall  
St Nicholas Street  
Scarborough



# Issue and revision record

Revision	Date	Originator	Checker	Approver	Description
A	August 2015	Lucy Wiggins	Nick Clarke	Peter Phipps	
B	February 2016	Lucy Wiggins	Nick Clarke	Peter Phipps	

## Information class: Standard

This document is issued for the party which commissioned it and for specific purposes connected with the above-captioned project only. It should not be relied upon by any other party or used for any other purpose.

We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.

This document contains confidential information and proprietary intellectual property. It should not be shown to other parties without consent from us and from the party which commissioned it.



# Contents

Chapter	Title	Page
	Appendix C: Photographs	1

## Appendix C: Photographs

This Appendix presents selected images from Robin Hood's Bay. For further detail on the structures and their conditions refer to the Technical Reports – Asset Condition Survey in Appendix K.

### CONTENT

Plate 1	Robin Hood's Bay seawall
Plate 2	Construction of the seawall
Plate 3	Construction of the parapet wall
Plate 4	Rust staining on the seawall
Plate 5	Rust staining on the seawall
Plate 6	The junction between the seawall and the shale cliff
Plate 7	The parapet wall
Plate 8	The promenade and parapet wall
Plate 9	Corrosion and spalling of concrete from the face of the seawall
Plate 10	Previous patch repairs to the face of the seawall



## Description

## Photograph

### Plate 1:

The 12-14m high seawall stretching along 160m of the Robin Hood's Bay frontage. The village of Robin Hood's Bay is directly behind the seawall.

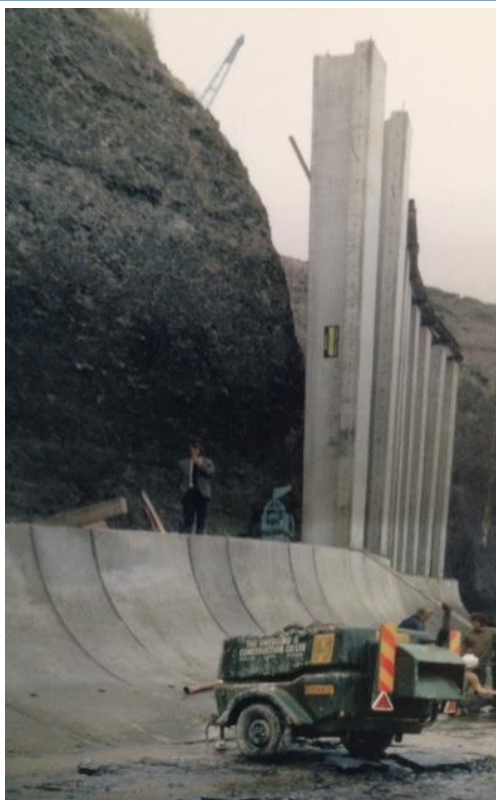
**Source:** Scarborough Borough Council.



### Plate 2:

The construction of the seawall at Robin Hood's Bay circa 1975. The wall was constructed by the placement of the recurved toe and the installation of the pillars. The precast panels were then inserted between the pillars and the mass concrete filled behind in stages as each layer was added.

**Source:** Photo on display in the National Trust Visitors Centre in Robin Hood's Bay



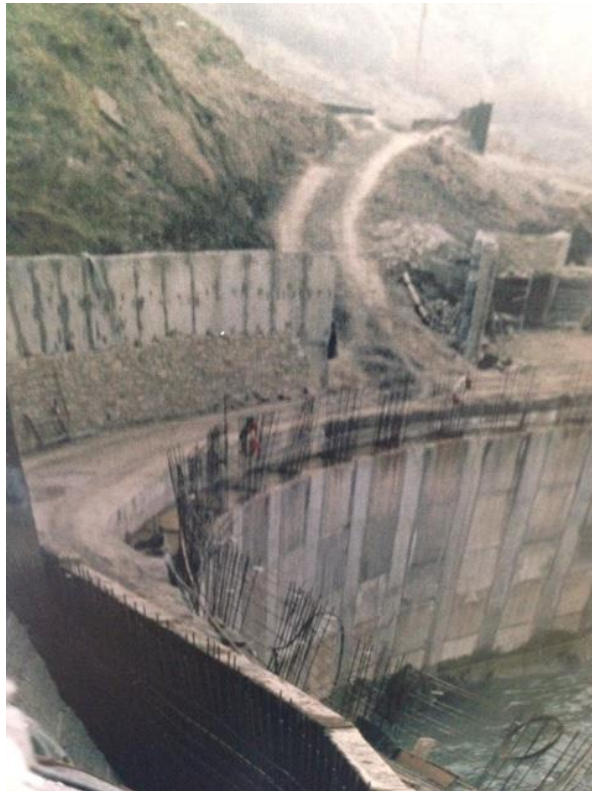
## Description

## Photograph

### Plate 3:

The parapet wall was constructed on top of the wall. The reinforcement exposed on top of the wall may be what the parapet wall was poured around.

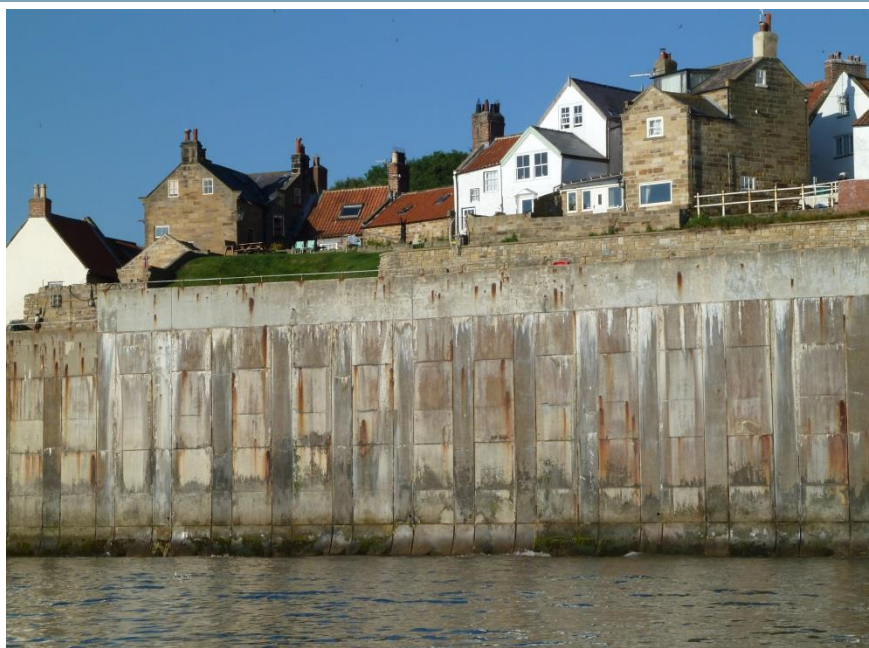
**Source:** Photo on display in the National Trust Visitors Centre in Robin Hood's Bay



### Plate 4:

It can be seen from the rust stains on the wall that there is a significant amount of corrosion of the reinforcement within the panels of the seawall. The proximity of the properties to the wall should also be noted.

**Source:** Scarborough Borough Council





Description

Photograph

**Plate 5:**

A view of the section of the seawall. There are extensive areas of rust staining in some areas and a large amount of white staining which is caused by the wash out joining material and the degradation of the concrete.

**Source:** Mott MacDonald, 2014



**Plate 6:**

The junction of the seawall and the adjoining shale cliff. A repair can be seen on the lower half of the wall where wave scour is leading to the undermining of the wall. It is important that the patch repairs continue to be undertaken to ensure here is not significant outwash which will affect the integrity of the wall.

**Source:** Mott MacDonald, 2014



## Description

## Photograph

### Plate 7:

The parapet wall. There is significant corrosion of the reinforcement in the wall and also of the hand railings, which might pose a health and safety hazard.

**Source:** Mott MacDonald, 2014



### Plate 8:

The promenade and parapet wall along the top of the seawall. This is a popular walkway with visitors and tourists and is also used for fishing and birdwatching.

**Source:** Mott MacDonald, 2014





Description

Photograph

**Plate 9:**

Corrosion and spalling of concrete from the face of the seawall. In some areas there is a loss of jointing material.

**Source:** Mott MacDonald, 2014



**Plate 10:**

Rust staining from the corrosion of the reinforcement of the seawall. Some previous patch repairs to the panels can also be seen.

**Source:** Mott MacDonald, 2014



