

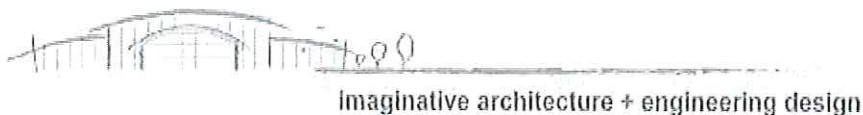
**EARTHWORKS AND DRAINAGE REPORT FOR THE SITE
OF A PROPOSED ORANGERY AT VICTORIA HOTEL,
ROBIN HOODS BAY**

FOR

MR & MRS FIDDLER

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**EARTHWORKS AND DRAINAGE REPORT
11247**



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CONTENTS

- 1) Introduction**
- 2) Position of the Orangery**
- 3) Stability of the site**
- 4) Excavations and Drainage**
- 5) Conclusion**

Appendix A

Solmex Report

1) INTRODUCTION

1.1 This earthworks and drainage report deals with condition 9 of the planning permission decision NYM/2017/0023/FL granted on 5th April 2017.

1.2 The site investigation dated September 2017 prepared by Solmek is included in full in Appendix A.

1.3 Please refer to the following drawings D which are part of this application.

2) POSITION OF THE ORANGERY

2.1 The proposed Orangery is situated to the south east of the existing hotel. It extends 5.2m from the existing hotel and will be an average of 15m from the edge of the cliff (10m at the most easterly point).

3) STABILITY OF THE SITE

3.1 The site investigation report has shown that there is good load bearing ground at a depth of 0.9m. Their findings are included in full in Appendix A. The foundations will consist of strip footings 600mm wide at a depth of 0.9m below ground level. The depth may have to be extended to 2.1m at the most westerly point but this is at least 20m from the edge of the cliff.

3.2 The site investigation has not found any stability problems in relation to building on the site.

4) EXCAVATIONS AND DRAINAGE

4.1 The proposed Orangery is a low rise building and the rainwater on the roof will be collected in gutters and downpipes and connected to existing surface water drains. The new drains will be laid in shallow trench generally 0.6m deep.

4.2 The new footings will be constructed in shallow excavations generally 0.9m deep.

4.3 All of the above excavations will take place well away from edge of the cliffs.

5) CONCLUSIONS

5.1 The site investigation report has shown that the ground is suitable for building.

5.2 The Orangery is a low rise, lightweight structure and will not have any adverse effect on the stability of the ground and cliffs.

5.3 All rainwater will be collected and connected to existing surface water drains.

5.4 All excavations will be generally shallow and well away from the edge of the cliff.

Appendix A

