

# Equivalent CBR Value derived from Plate Bearing Test Report

TEST REPORT



| Project Details        |  | Report Details      |                      |
|------------------------|--|---------------------|----------------------|
| <b>Client:</b>         | HOULIHAN & CO (EXCAVATIONS) LTD  | <b>Report No.:</b>  | PLT:SOU25-13361-S004 |
| <b>Client Address:</b> | UNIT J2 BROOKLANDS CLOSE<br>SUNBURY ON THAMES<br>MIDDLESEX<br>TW16 7DX     | <b>Report Date:</b> | 04/04/2025           |
| <b>Project:</b>        | P252002 - Countrystyle Recycling, Gas Road, Milton, Sittingbourne ME10 2QB | <b>Issue No.:</b>   | 1                    |
|                        |  | <b>Recipients:</b>  |                      |

| Testing Details              |                                |                             |                   |
|------------------------------|--------------------------------|-----------------------------|-------------------|
| <b>Date Tested:</b>          | 03/04/2025                     | <b>Weather:</b>             | Dry, Warm, Sunny  |
| <b>Field Test Methods:</b>   | DIHM 301/IAN73/06 Rev 1 (2009) | <b>General Location:</b>    | Site              |
| <b>Location:</b>             | Gr4                            | <b>Supplier:</b>            | Data Not Supplied |
| <b>Source:</b>               | Data Not Supplied              | <b>Material:</b>            | crushed rock      |
| <b>Layer Thickness (mm):</b> | Data Not Supplied              | <b>Depth of Test (mm):</b>  | 0                 |
| <b>Kentledge:</b>            | 14t                            | <b>Plate Diameter (mm):</b> | 450               |

| Results                                      |     |   |     |
|--|-----|---|-----|
| <b>Pressure at 1.25mm Deformation (kPa):</b> | 233 | <b>Modulus of Subgrade Reaction (MN/m<sup>2</sup>/m):</b> | 116 |
| <b>Equivalent CBR by Plate Loading (%):</b>  | 37  |   |     |

| Load Increments   |                        |                               |  |
|-------------------|------------------------|-------------------------------|--|
| Applied Load (kN) | Applied Pressure (kPa) | Average Plate Settlement (mm) |  |
| 6.50              | 40.9                   | 0.25                          |  |
| 13.80             | 86.8                   | 0.51                          |  |
| 20.60             | 130                    | 0.76                          |  |
| 32.50             | 204                    | 1.00                          |  |
| 37.20             | 234                    | 1.26                          |  |
|                   |                        |                               |  |

|                     |  |
|---------------------|--|
| <b>Signed:</b>      | <b>Kevin McQuilliam - Logistics Manager</b><br>For and on behalf of SOCOTEC UK Limited<br>Certified that testing was carried out in accordance with the test methods identified herein. This test report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory. |
|                     |  |
| <b>Signed Date:</b> | 04/04/2025   |

| Comments   |
|--|
| Depth of test is relative to existing ground level at the time of testing. |