

REPORT OF COMPACTION CONTROL (HILF RAPID METHOD)

Job No.: 7336/23/1101

| | | | | | | |
|--|---|---|---|----------------------------------|----------------------------------|----------------------------------|
| AS 1289 2.1.1, 5.7.1, 5.8.1 RC 316.00 | | Using Humboldt: 8639 | | Date field tested : 30/11/23 | | |
| Compaction Report Ref. No. 7336/23/1101 | | K Value : 0 | | Time : 11:45:00 | | |
| Project: Estuary II estate Lot Fill | | | | | | |
| Client : Drapers Civil Contracting Pty Ltd PO Box 287 Belmont VIC 3216 | | | | | | |
| Material: Clay ex Site | | Compactive effort: | | Standard | | |
| Sand used: no | | Standard count: DS: 2727 | | MS: 338 | | |
| Layer depth of 250 / 300 mm | | Test depth of 225 / 275 mm | | for 60 secs | | |
| Test Lot Bounds NA to NA | | NA | | Client Ref: | | |
| Site No. | 1 | 2 | 3 | | | |
| Location | Retaining Wall Backfill - Lot D E277860 N5768963 TD 225 | Retaining Wall Backfill - Lot D E277860 N5768935 TD 225 | Retaining Wall Backfill - Lot D E277854 N5768904 TD 225 | Lot 1918 E277983 N5768975 TD 275 | Lot 1936 E277979 N5768944 TD 275 | Lot 1937 E277980 N5768963 TD 275 |
| wet density (t/m ³) | 2.08 | 1.83 | 2.05 | 1.90 | 1.95 | 1.92 |
| field mc% | 21.3 | 19.7 | 14.1 | 24.2 | 15.7 | 19.7 |
| dry density (t/m ³) | 1.71 | 1.53 | 1.80 | 1.53 | 1.69 | 1.60 |
| pcwd (t/m ³) | 1.97 | 1.94 | 2.13 | 1.87 | 2.03 | 2.00 |
| omc (%) | 24.0 | 22.0 | 16.0 | 27.0 | 18.0 | 21.0 |
| Oversize material retained on sieve... (mm) | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 |
| % wet oversize | 0 | 0 | 0 | 0 | 0 | 0 |
| % dry oversize | 0 | 0 | 0 | 0 | 0 | 0 |
| adjusted pcwd | 1.97 | 1.94 | 2.13 | 1.87 | 2.03 | 2.00 |
| adjusted omc | 23.5 | 22.5 | 15.8 | 26.7 | 17.9 | 20.8 |
| moisture variation (+ wet / - dry of omc) | -2.0 | -3.0 | -1.5 | -2.5 | -2.0 | -1.0 |
| moisture ratio (%) | 90.7 | 87.5 | 89.3 | 90.6 | 87.7 | 94.7 |
| density ratio (%) | 105.5 | 94.0 | 96.5 | 101.5 | 96.0 | 96.0 |

Tested over period : 30/11/2023 to 06/12/2023

| | |
|---------------------|------|
| mean moisture ratio | 90.1 |
| mean density ratio | 98.3 |

Sampling Method Used :

AS1289.1.2.1 Clause 6.4 – from layers in pavement or earthworks

Notes:



NATA Accredited Testing Facility : Accreditation Number : No 10664
Accredited for compliance with ISO/IEC 17025 - Testing

R Bennett

Approved Signatory:

R.Bennett

Date:

6/12/2023

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