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# **REPUBLIC OF KENYA**

**MINISTRY OF ROADS AND TRANSPORT**

**STATE DEPARTMENT OF ROADS**

Telegraphic Address: “MINWORKS”, Nairobi Materials Testing & Research Division Telephone: Nairobi 554950/3/4 Machakos Road, Industrial Area Fax: 554877 P.O. Box 11873 – 00400 E-mail: chiefengineer@mtrd.go.ke NAIROBI

Ref No. M.2300/35/L/10 Date: 16th May, 2023

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**1. Customer’s Details:** VICKS CAPITAL VENTURES/GAMBELLA INVESTMENT LIMITED

**E-mail:** Not provided

**Address:** Not provided **Phone:** 0716904121

**2. Customer Contact:** 0716904121 6. **Job Card No.** 2431/S/2023

**3. Sample Description:** Fill Layer 7. **Date fee paid:** 05/05/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4052881

**5. Date Sample received:** 05/05/2023 9. **Date Analysis started**: 05/05/2023

**10. Additional information provided by the customer:** Proposed 1&2 Bedroom Resident Apartments on Parcel Kiambaa/Ruaka 5347 for Vicks Capital Ventures Kiambu County.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sample No.** | **Date tested** | **Chainage**  **(Km)** | **Position** | **Layer Thickness (mm)** | **Field dry density**  **Kg/m3** | **Field moisture content (%)** | **Max. dry density**  **T99**  **Kg/m3** | **Optimum moisture content (%)** | **Relative Compaction (%)** | **Relative moisture content (%)** |
| 725/S/23 | 05/05/23 | A | LHS | 150 | 1200 | 38.8 | 1200 | 34.3 | 100 | 113 |
| 726/S/23 | 05/05/23 | B | RHS | 150 | 1130 | 32.3 | 1200 | 34.3 | 94 | 94 |
| 727/S/23 | 05/05/23 | C | CL | 150 | 1104 | 36.1 | 1200 | 34.3 | 92 | 105 |
| 728/S/23 | 05/05/23 | D | LHS | 150 | 1099 | 37.1 | 1200 | 34.3 | 92 | 108 |
| 729/S/23 | 05/05/23 | E | RHS | 150 | 1119 | 39.6 | 1200 | 34.3 | 93 | 115 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**