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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.2458/35/L/10 Date: 2nd June, 2023

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**1. Customer’s Details:** COUNTY GOVERNMENT OF KIAMBU

**E-mail:** Not provided

**Address:** P.O BOX2344-00900 KIAMBU **Phone:** 0720705148

**2. Customer Contact:** 0720705148 6. **Job Card No.** 2615/S/2023

**3. Sample Description:** Subbase Layer 7. **Date fee paid:** 26/05/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4053545

**5. Date Sample received:** 26/05/2023 9. **Date Analysis started**: 26/05/2023

**10. Additional information provided by the customer:** Construction and Upgrading of Makongeni Bus park in Thika Subcounty.

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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**  **T180**  **Kg/m3** | **Optimum moisture content (%)** | **Relative Compaction (%)** | **Relative moisture content (%)** |
| **Makongeni Bus Park Subbase Layer** | | | | | | | | | | |
| 1052/S/22 | 26/05/23 | Hope | LHS | 150 | 1734 | 13.2 | 1720 | 12.7 | 101 | 104 |
| 1053/S/22 | 26/05/23 | Ongas | CL | 150 | 1691 | 12.7 | 1720 | 12.7 | 98 | 100 |
| 1054/S/22 | 26/05/23 | Airtel | RHS | 150 | 1716 | 12.8 | 1720 | 12.7 | 100 | 101 |
| 1055/S/22 | 26/05/23 | Posta | LHS | 150 | 1773 | 13.0 | 1720 | 12.7 | 103 | 102 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory. CSE Soils Laboratory**

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