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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.628/35/L/10 Date: 25th September, 2023

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**1. Customer’s Details:** REGIONAL MANAGER; KURA

**E-mail:** Not provided

**Address:** P.O BOX 17956-00500 NAIROBI **Phone:** 0721515815

**2. Customer Contact:** 0721515815 6. **Job Card No.** 749/S/2023

**3. Sample Description:** Top Subgrade Layer 7. **Date fee paid:** 22/09/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4058959

**5. Date Sample received:** 22/09/2023 9. **Date Analysis started**: 22/09/2023

**10. Additional information provided by the customer:** Access to Kamulu police station

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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 (%)** |
| **Top Subgrade Layer** | | | | | | | | | | |
| 341/S/23 | 22/09/23 | 0+150 | RHS | 150 | 1550 | 15.6 | 1511 | 18.4 | 103 | 86 |
| 342/S/23 | 22/09/23 | 0+520 | CL | 150 | 1534 | 16.5 | 1511 | 18.4 | 102 | 90 |
| 343/S/23 | 22/09/23 | 0+640 | LHS | 150 | 1510 | 16.0 | 1511 | 18.4 | 100 | 87 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory. CSE Soils Laboratory**

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