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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.721/35/L/10 Date: 11th October, 2023

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**1. Customer’s Details:** RESIDENT ENGINEER KURA

**E-mail:** estherwa63@gmail.com

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

**2. Customer Contact:** 0722972054 6. **Job Card No.** 874/S/2023

**3. Sample Description:** Subbase Layer 7. **Date fee paid:** 04/10/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4367768

**5. Date Sample received:** 04/10/2023 9. **Date Analysis started**: 04/10/2023

**10. Additional information provided by the customer: Garden Road Karen. Lot 1 Roads**.

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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 (%)** |
| **KM 0+050-0+350 Subbase Layer** | | | | | | | | | | |
| 437/S/23 | 04/10/23 | 0+050 | RHS | 150 | 1685 | 11.6 | 1755 | 14.3 | 96 | 81 |
| 438/S/23 | 04/10/23 | 0+250 | CL | 150 | 1737 | 12.4 | 1755 | 14.3 | 99 | 88 |
| 439/S/23 | 04/10/23 | 0+350 | LHS | 150 | 1755 | 14.2 | 1755 | 14.3 | 100 | 88 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory. CSE Soils Laboratory**

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