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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.794/35/L/10 Date: 24th October, 2023

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

**E-mail:** anzalabdullahi630@gmail.com

**Address:** P.O. Box 41727-00100 NRB **Phone:** 0722793122

**2. Customer Contact:** 0721910438 6. **Job Card No.** 980/S/2023

**3. Sample Description: Subgrade** Layer 7. **Date fee paid:** 13/10/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4367846

**5. Date Sample received:** 13/10/2023 9. **Date Analysis started**:13/10/2023

**10. Additional information provided by the customer:** Construction of Karen Roads Lot 2.

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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+295 Subgrade Layer** | | | | | | | | | | |
| 596/S/23 | 13/10/2023 | 0+050 | LHS | 150 | 1650 | 15.8 | 1792 | 15.5 | 94 | 97 |
| 597/S/23 | 13/10/2023 | 0+100 | RHS | 150 | 1756 | 15.0 | 1792 | 15.5 | 100 | 100 |
| 598/S/23 | 13/10/2023 | 0+150 | LHS | 150 | 1767 | 14.6 | 1792 | 15.5 | 96 | 92 |
| 599/S/23 | 13/10/2023 | 0+200 | CL | 150 | 1716 | 14.3 | 1792 | 15.5 | 99 | 94 |
| 600/S/23 | 13/10/2023 | 0+250 | RHS | 150 | 1787 | 15.5 | 1792 | 15.5 | 98 | 97 |
| 601/S/23 | 13/10/2023 | 0+295 | CL | 150 | 1683 | 15.1 | 1792 | 15.5 | 92 | 101 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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