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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.1889/35/L/10 Date: 8th March, 2023

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

**E-mail:** rd.nairobi@kenha.co.ke

**Address:** P.O. Box 200-00507 NRB **Phone:** 0713141871

**2. Customer Contact:** 0713141871 6. **Job Card No.** 1849/S/2023

**3. Sample Description:** Base Layer 7. **Date fee paid:** 24/02/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4127648

**5. Date Sample received:** 1/03/2023 9. **Date Analysis started**:1/03/2023

**10. Additional information provided by the customer:** Ruiru-tatu city-Kiambu-Raini-Ndenderu B115 road.

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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 (%)** |
| **Base layer Km 21+900-22+000 RHS SHOULDER** | | | | | | | | | | |
| 748/S/22 | 01/3/2023 | 21+930 | RHS | 150 | 1521 | 17.6 | 1578 | 17.5 | 96 | 101 |
| 749/S/22 | 01/3/2023 | 21+980 | RHS | 100 | 1501 | 15.1 | 1578 | 17.5 | 95 | 86 |
| 750/S/22 | 01/3/2023 | 22+000 | RHS | 100 | 1509 | 16.2 | 1578 | 17.5 | 96 | 93 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory. CSE Soils Laboratory.**

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