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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.2353/35/L/10 Date: 16th May, 2023

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

**E-mail:** esthewrwa63@gmail.com

**Address:** P.O BOX17956-00500 NRB **Phone:** 0721515815

**2. Customer Contact:** 0721515815 6. **Job Card No.** 1944/S/2023

**3. Sample Description:** Formation Layer 7. **Date fee paid:** 06/03/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4127730

**5. Date Sample received:** 15/05/2023 9. **Date Analysis started**: 15/05/2023

**10. Additional information provided by the customer:** Upgrading to Bituminous Standard of Marigoini Housing Project 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**  **T99**  **Kg/m3** | **Optimum moisture content (%)** | **Relative Compaction (%)** | **Relative moisture content (%)** |
| **KM 0+020-0+080 Formation Layer** | | | | | | | | | | |
| 735/S/23 | 15/05/23 | 0+020 | LHS | 130 | 1800 | 15.0 | 1740 | 14.9 | 103 | 101 |
| 736/S/23 | 15/05/23 | 0+050 | CL | 140 | 1729 | 12.1 | 1740 | 14.9 | 99 | 81 |
| 737/S/23 | 15/05/23 | 0+080 | RHS | 150 | 1778 | 11.4 | 1740 | 14.9 | 102 | 77 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory. CSE Soils Laboratory**

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