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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.1839/35/L/10 Date: 2nd March, 2023

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

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

**Address:** Not provided **Phone:** 0721515815

**2. Customer Contact:** 0721515815 6. **Job Card No.** 1889/S/2023

**3. Sample Description:** Subbase Layer 7. **Date fee paid:** 01/02/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4127683

**5. Date Sample received:** 01/03/2023 9. **Date Analysis started**: 01/03/2023

**10. Additional information provided by the customer:** Routine Maintenance of Ngong Rongai and Kiserian Area Roads (Helena 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 (%)** |
| **Subbase Layer Km 0+000-1+100 Helena Road** | | | | | | | | | | |
| 753/S/23 | 01/03/23 | Km 0+200 | LHS | 130 | 1410 | 13.2 | 1484 | 15.3 | 95 | 86 |
| 754/S/23 | 01/03/23 | Km 0+400 | CL | 125 | 1365 | 11.9 | 1484 | 15.3 | 92 | 78 |
| 755/S/23 | 01/03/23 | Km 0+600 | RHS | 140 | 1395 | 12.2 | 1484 | 15.3 | 94 | 80 |
| 756/S/23 | 01/03/23 | Km 0+800 | LHS | 130 | 1336 | 13.9 | 1484 | 15.3 | 90 | 91 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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