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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.1810/35/L/10 Date: 28th February, 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:** 0724967038

**2. Customer Contact:** 0724967038 6. **Job Card No.** 1825/S/2023

**3. Sample Description:** Subbase Layer 7. **Date fee paid:** 23/02/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4127627

**5. Date Sample received:** 22/02/2023 9. **Date Analysis started**:22/02/2023

**10. Additional information provided by the customer:** Routine Maintenance and Spot Improvement of Oletepesi-Magadi road (B19) 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 Km10+670-12+400 RHS SHOULDER** | | | | | | | | | | |
| 736/S/22 | 22/2/2023 | 10+600 | RHS | 150 | 1819 | 12.4 | 1887 | 12.5 | 96 | 99 |
| 737/S/22 | 22/2/2023 | 10+800 | CL | 150 | 1827 | 12.1 | 1887 | 12.5 | 97 | 96 |
| 738/S/22 | 22/2/2023 | 11+00 | LHS | 150 | 1878 | 12.4 | 1887 | 12.5 | 100 | 99 |
| 739/S/22 | 22/2/2023 | 11+200 | CL | 150 | 1822 | 13.1 | 1887 | 12.5 | 97 | 105 |
| 740/S/22 | 22/2/2023 | 11+400 | LHS | 150 | 1843 | 12.0 | 1887 | 12.5 | 98 | 96 |
| 741/S/22 | 22/2/2023 | 11+600 | CL | 150 | 1856 | 12.5 | 1887 | 12.5 | 98 | 100 |
| 742/S/22 | 22/2/2023 | 11+750 | RHS | 150 | 1843 | 12.7 | 1887 | 12.5 | 97 | 102 |
| 743/S/22 | 22/2/2023 | 11+950 | CL | 150 | 1831 | 12.5 | 1887 | 12.5 | 99 | 100 |
| 744/S/22 | 22/2/2023 | 12+150 | LHS | 150 | 1826 | 12.6 | 1887 | 12.5 | 97 | 100 |
| 745/S/22 | 22/2/2023 | 12+350 | CL | 150 | 1852 | 12.4 | 1887 | 12.5 | 98 | 99 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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