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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.1859/35/L/10 Date: 6th 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:** 0724967038

**2. Customer Contact:** 0724967038 6. **Job Card No.** 1907/S/2023

**3. Sample Description:** Base Layer 7. **Date fee paid:** 2/03/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4127699

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

**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 (%)** |
| **Base layer Km 8+100-8+600 RHS SHOULDER** | | | | | | | | | | |
| 759/S/22 | 01/3/2023 | 8+120 | RHS | 150 | 1919 | 11.2 | 1917 | 11.0 | 100 | 102 |
| 760/S/22 | 01/3/2023 | 8+220 | RHS | 150 | 1907 | 10.9 | 1917 | 11.0 | 99 | 99 |
| 761/S/22 | 01/3/2023 | 8+330 | RHS | 150 | 1904 | 10.8 | 1917 | 11.0 | 99 | 98 |
| 762/S/22 | 01/3/2023 | 8+410 | RHS | 150 | 1953 | 11.3 | 1917 | 11.0 | 102 | 103 |
| 763/S/22 | 01/3/2023 | 8+510 | RHS | 150 | 1954 | 10.8 | 1917 | 11.0 | 102 | 98 |
| 764/S/22 | 01/3/2023 | 8+600 | RHS | 150 | 1903 | 11.0 | 1917 | 11.0 | 99 | 100 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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