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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.500/35/L/10 Date: 7th September, 2023

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

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

**Address:** P.O. Box 17956-00500 NRB **Phone:** 0721515815

**2. Customer Contact:** 0721515815 6. **Job Card No.** 574/S/2023

**3. Sample Description:**  Formation & Fill Layer 7. **Date fee paid:** 06/09/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4058812

**5. Date Sample received:** 06/09/2023 9. **Date Analysis started**: 06/09/2023

**10. Additional information provided by the customer:** Access to Kamulu Police station.

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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+100-0+600 Formation Layer** | | | | | | | | | | |
| 282/S/23 | 06/09/23 | 0+150 | Cl | 150 | 1516 | 16.0 | 1511 | 18.4 | 100 | 87 |
| 283/S/23 | 06/09/23 | 0+300 | RHS | 150 | 1547 | 16.5 | 1511 | 18.4 | 102 | 90 |
| 284/S/23 | 06/09/23 | 0+500 | LHS | 150 | 1513 | 16.2 | 1511 | 18.4 | 100 | 88 |
| **Km 0+600-0+920 Fill Layer** | | | | | | | | | | |
| 285/S/23 | 06/09/23 | 0+600 | CL | 150 | 1531 | 16.8 | 1511 | 18.4 | 101 | 91 |
| 286/S/23 | 06/09/23 | 0+750 | RHS | 150 | 1518 | 16.9 | 1511 | 18.4 | 100 | 92 |
| 287/S/23 | 06/09/23 | 0+900 | LHS | 150 | 1524 | 17.0 | 1511 | 18.4 | 101 | 92 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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