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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.338/35/L/10 Date: 16th August, 2023

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**1. Customer’s Details:** SAMA HOLDING LIMITED.

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

**Address:** Not provided **Phone:** 0714768578

**2. Customer Contact:** 0714768578 6. **Job Card No.** 356/S/2023

**3. Sample Description:** Fill Layer 7. **Date fee paid:** 11/08/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4058615

**5. Date Sample received:** 11/08/2023 9. **Date Analysis started**:11/08/2023

**10. Additional information provided by the customer:** Access to Kibera Housing.

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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+250-0+320 Fill Layer** | | | | | | | | | | |
| 192/S/23 | 11/08/2023 | 0+270 | LHS | 150 | 1639 | 18.7 | 1605 | 19.5 | 102 | 96 |
| 193/S/23 | 11/08/2023 | 0+310 | CL | 150 | 1623 | 19.1 | 1605 | 19.5 | 101 | 98 |
| **KM 0+320-0+460 Fill Layer** | | | | | | | | | | |
| 194/S/23 | 15/08/23 | 0+370 | RHS | 150 | 1647 | 18.6 | 1605 | 19.5 | 103 | 95 |
| 195/S/23 | 15/08/23 | 0+440 | CL | 150 | 1600 | 19.3 | 1605 | 19.5 | 100 | 99 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS OiC Soils Laboratory. CSE Soils Laboratory.**

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