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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.070/35/L/10 Date: 17th July, 2023

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**1. Customer’s Details:** JILK CONSTRUCTION LTD.

**E-mail:** Not provided

**Address:** P.O. BOX 25700-00100 NRBI **Phone:** 0721515815

**2. Customer Contact:** 0721515815 6. **Job Card No.** 065/S/2023

**3. Sample Description:** Top Subgrade layer 7. **Date fee paid:** 10/07/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4053846

**5. Date Sample received:** 10/07/2023 9. **Date Analysis started**: 10/07/2023

**10. Additional information provided by the customer:** Proposed access road and bridge construction for the ark properties and investment company limited at Mangu.

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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+000-0+325 Top Subgrade Layer** | | | | | | | | | | |
| 061/S/23 | 10/07/23 | 0+080 | LHS | 150 | 1535 | 14.6 | 1520 | 17.8 | 101 | 82 |
| 062/S/23 | 10/07/23 | 0+180 | CL | 145 | 1515 | 15.5 | 1520 | 17.8 | 100 | 87 |
| 063/S/23 | 10/07/23 | 0+285 | RHS | 150 | 1505 | 17.8 | 1520 | 17.8 | 99 | 100 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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