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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.344/35/L/10 Date: 15th August, 2023

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**1. Customer’s Details:** KARNJO CONSTRUCTION LIMITED.

**E-mail:** estwewa632gmail.com

**Address:** Not provided **Phone:** 0721515815

**2. Customer Contact:** 0721515815 6. **Job Card No.** 348/S/2023

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

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4058606

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

**10. Additional information provided by the customer: construction of Mama Ngendo Road in Korogocho Ward.**

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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 (%)** |
| **KM 0+000-0+440 Subbase Layer** | | | | | | | | | | |
| 186/S/23 | 11/08/2023 | 0+050 | CL | 150 | 1573 | 10.1 | 1538 | 12.1 | 102 | 83 |
| 187/S/23 | 11/08/2023 | 0+130 | LHS | 149 | 1577 | 10.7 | 1538 | 12.1 | 103 | 88 |
| 188/S/23 | 11/08/2023 | 0+260 | RHS | 147 | 1560 | 10.5 | 1538 | 12.1 | 101 | 87 |

**Eng. J. M. Mbarua**

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

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