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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.739/35/L/10 Date: 13th October, 2023

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**1. Customer’s Details: LIMUTE CONTRACTORS LIMITED**

**E-mail:** phase12@gmail.com

**Address:** P.O BOX 44046-00800 NAIROBI **Phone:** 0795949539

**2. Customer Contact:** 0795949539 6. **Job Card No.** 928/S/2023

**3. Sample Description:** Subgrade Layer 7. **Date fee paid:** 11/10/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4367808

**5. Date Sample received:** 11/10/2023 9. **Date Analysis started**: 11/10/2023

**10. Additional information provided by the customer:** Construction to Cabro standard of Kuja Lane.

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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+197 Subgrade Layer** | | | | | | | | | | |
| 445/S/23 | 11/10/23 | 0+040 | CL | 140 | 1580 | 16.8 | 1580 | 17.0 | 100 | 99 |
| 446/S/23 | 11/10/23 | 0+080 | LHS | 150 | 1596 | 16.5 | 1580 | 17.0 | 101 | 97 |
| 447/S/23 | 11/10/23 | 0+130 | RHS | 140 | 1533 | 17.7 | 1580 | 17.0 | 97 | 104 |
| 448/S/23 | 11/10/23 | 0+170 | CL | 140 | 1548 | 17.9 | 1580 | 17.0 | 98 | 105 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory. CSE Soils Laboratory**

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