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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.1370/35/L/10 Date: 5th January, 2023

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**1. Customer’s Details:** LOCKHEED CONSTRUCTION AND LOGISTICS LIMITED.

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

**Address:** P.O.BOX 51659-00100 NRB **Phone:** 0706976517

**2. Customer Contact:** 0706976517 6. **Job Card No.** 1356/S/2022

**3. Sample Description:** Subgrade 1 layer 7. **Date fee paid:** 21/12/2022

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4115712

**5. Date Sample received:** 21/12/2022 9. **Date Analysis started**: 21/12/2022

**10. Additional information provided by the customer:** Opening up of Road Corridor for Gatundu Town Roads.

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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 (%)** |
| **Subgrade 1 Layer Km 0+000-0+700 FCW** | | | | | | | | | | |
| **541/S/22** | **22/12/22** | **Km 0+470** | **RHS** | **100** | **1733** | **14.2** | **1710** | **18.7** | **101** | **76** |
| **542/S/22** | **22/12/22** | **Km 0+580** | **CL** | **100** | **1748** | **15.4** | **1710** | **18.7** | **104** | **82** |
| **543/S/22** | **22/12/22** | **Km 0+660** | **RHS** | **90** | **1770** | **14.5** | **1710** | **18.7** | **104** | **76** |
| **544/S/22** | **22/12/22** | **Km 0+180** | **CL** | **140** | **1740** | **18.1** | **1710** | **18.7** | **102** | **97** |
| **545/S/22** | **22/12/22** | **Km 0+080** | **LHS** | **120** | **1751** | **18.5** | **1710** | **18.7** | **102** | **99** |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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