# 

# 

# **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.061/35/L/10 Date: 14th July, 2023

|  |
| --- |
|  |

**1. Customer’s Details:** UNITY WEST SEZ LIMITED.

**E-mail:** Not provided

**Address:** Plot 1AB -02, Tatu city Kiambu county, Kenya **Phone:** 0797914186

**2. Customer Contact:** 0797914186 6. **Job Card No.** 072/S/2023

**3. Sample Description:** Subgrade Layer 7. **Date fee paid:** 11/07/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4053852

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

**10. Additional information provided by the customer:** Tatu city Kiambu County

Unity 1 Trial Road Alignment 4.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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+040 Subgrade Layer** | | | | | | | | | | |
| 045/S/23 | 10/07/23 | 0+015 | CL | 150 | 1774 | 12.9 | 1756 | 13.4 | 101 | 96 |
| 046/S/23 | 10/07/23 | 0+030 | RHS | 150 | 1738 | 11.3 | 1756 | 13.4 | 100 | 84 |
| **KM 0+040-0+120 Subgrade Layer** | | | | | | | | | | |
| 047/S/23 | 10/07/23 | 0+060 | LHS | 150 | 1214 | 22.4 | 1252 | 24.9 | 97 | 90 |
| 048/S/23 | 10/07/23 | 0+100 | RHS | 150 | 1227 | 21.9 | 1252 | 24.9 | 98 | 88 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

**………………. …………………….**