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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.015/35/L/10 Date: 4th July, 2023

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

**E-mail:** Not provided

**Address:** Plot 1AB -02, Tatu city Kiambu county, Kenya **Phone:** 0745017909

**2. Customer Contact:** 0745017909 6. **Job Card No.** 2867/S/2023

**3. Sample Description:** Base Layer 7. **Date fee paid:** 27/06/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4053770

**5. Date Sample received:** 28/06/2023 9. **Date Analysis started**: 28/06/2023

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

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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+040-0+233 Base Layer Road C** | | | | | | | | | | |
| 1117/S/22 | 28/06/22 | 0+050 | CL | 150 | 1350 | 22.2 | 1633 | 22.2 | 83 | 100 |
| 1118/S/22 | 28/06/22 | 0+065 | LHS | 150 | 1722 | 21.5 | 1633 | 22.2 | 106 | 97 |
| 1119/S/22 | 28/06/22 | 0+080 | RHS | 150 | 1305 | 19.8 | 1633 | 22.2 | 80 | 89 |
| 1120/S/22 | 28/06/22 | 0+100 | LHS | 150 | 1716 | 20.4 | 1633 | 22.2 | 105 | 92 |
| 1121/S/22 | 28/06/22 | 0+120 | CL | 150 | 1462 | 20.0 | 1633 | 22.2 | 90 | 90 |
| 1122/S/22 | 28/06/22 | 0+140 | RHS | 150 | 1408 | 21.2 | 1633 | 22.2 | 86 | 95 |
| 1123/S/22 | 28/06/22 | 0+160 | CL | 150 | 1403 | 21.9 | 1633 | 22.2 | 86 | 99 |
| 1124/S/22 | 28/06/22 | 0+180 | LHS | 150 | 1433 | 22.7 | 1633 | 22.2 | 88 | 99 |
| 1125/S/22 | 28/06/22 | 0+200 | RHS | 150 | 1537 | 18.0 | 1633 | 22.2 | 94 | 81 |
| 1126/S/22 | 28/06/22 | 0+220 | LHS | 150 | 1488 | 20.1 | 1633 | 22.2 | 87 | 91 |
| **Boulevard** | | | | | | | | | | |
| 1127/S/22 | 28/06/22 | 0+115 | CL | 150 | 1473 | 20.3 | 1633 | 22.2 | 90 | 91 |
| 1128/S/22 | 28/06/22 | 0+135 | CL | 150 | 1569 | 20.2 | 1633 | 22.2 | 96 | 91 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory. CSE Soils Laboratory.**

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