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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.062/35/L/10 Date: 14th 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.** 085/S/2023

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

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4053866

**5. Date Sample received:** 11/07/2023 9. **Date Analysis started**: 11/07/2023

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

Unity Homes East.

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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 (Retest)** | | | | | | | | | | |
| 047/S/23 | 11/07/23 | 0+050 | LHS | 150 | 1684 | 16.8 | 1680 | 18.5 | 100 | 91 |
| 048/S/23 | 11/07/23 | 0+067 | RHS | 150 | 1694 | 17.1 | 1680 | 18.5 | 101 | 92 |
| 049/S/23 | 11/07/23 | 0+080 | CL | 150 | 1712 | 17.7 | 1680 | 18.5 | 102 | 95 |
| 050/S/23 | 11/07/23 | 0+102 | RHS | 150 | 1710 | 17.6 | 1680 | 18.5 | 102 | 95 |
| 051/S/23 | 11/07/23 | 0+120 | CL | 150 | 1681 | 17.8 | 1680 | 18.5 | 100 | 96 |
| 052/S/23 | 11/07/23 | 0+140 | RHS | 150 | 1680 | 16.8 | 1680 | 18.5 | 100 | 90 |
| 053/S/23 | 11/07/23 | 0+157 | LHS | 150 | 1674 | 18.1 | 1680 | 18.5 | 100 | 98 |
| 054/S/23 | 11/07/23 | 0+180 | CL | 150 | 1694 | 18.0 | 1680 | 18.5 | 101 | 97 |
| 055/S/23 | 11/07/23 | 0+200 | RHS | 150 | 1671 | 16.0 | 1680 | 18.5 | 100 | 86 |
| 056/S/23 | 11/07/23 | 0+222 | CL | 150 | 1683 | 17.4 | 1680 | 18.5 | 100 | 94 |
| **Boulevard (Retest)** | | | | | | | | | | |
| 057/S/23 | 11/07/23 | 0+108 | LHS | 150 | 1684 | 17.8 | 1680 | 18.5 | 102 | 97 |
| 058/S/23 | 11/07/23 | 0+170 | CL | 150 | 1681 | 16.8 | 1680 | 18.5 | 100 | 88 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

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

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