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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.493/35/L/10 Date: 6th September, 2023

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**1. Customer’s Details:** NAIROBI CITY COUNTY/STALLIONMARK LTD.

**E-mail:** Not provided

**Address:** Not provided **Phone:** 0728256879

**2. Customer Contact:** 0728256879 6. **Job Card No.** 546/S/2023

**3. Sample Description:**  Subbase Layer 7. **Date fee paid:** 31/08/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4058787

**5. Date Sample received:** 31/08/2023 9. **Date Analysis started**:31/08/2023

**10. Additional information provided by the customer:** Proposed construction of ST Mary’s catholic church Road in Marurui Within Roysambu Ward. Contract NO.NCC/WDF/T/366

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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+00-0+450 Subbase Layer** | | | | | | | | | | |
| 259/S/23 | 31/08/2023 | 0+020 | RHS | 150 | 1366 | 18.0 | 1358 | 20.0 | 101 | 90 |
| 260/S/23 | 31/08/2023 | 0+150 | CL | 145 | 1299 | 17.0 | 1358 | 20.0 | 96 | 85 |
| 261/S/23 | 31/08/2023 | 0+250 | RHS | 150 | 1401 | 19.0 | 1358 | 20.0 | 103 | 95 |
| 262/S/23 | 31/08/2023 | 0+350 | LHS | 150 | 1338 | 18.5 | 1358 | 20.0 | 98 | 93 |
| 263/S/23 | 31/08/2023 | 0+420 | CL | 148 | 1315 | 17.2 | 1358 | 20.0 | 97 | 86 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory CSE Soils Laboratory**

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