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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.675/35/L/10 Date:03rd October, 2023

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**1. Customer’s Details:** COUNTY GOVERNMENT OF KIAMBU

**E-mail:** Not provided

**Address:** P.O BOX21344-00900 KIAMBU **Phone:** 0721485343

**2. Customer Contact:** 0721485343 6. **Job Card No.** 852/S/2023

**3. Sample Description:** Subgrade II Layer 7. **Date fee paid:** 02/10/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4367750

**5. Date Sample received:** 29/09/2023 9. **Date Analysis started**: 29/09/2023

**10. Additional information provided by the customer:** Construction and upgrading of Kikuyu lower Bus Park

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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 (%)** |
| **KM 0+000-0+120 Subgrade II Layer** | | | | | | | | | | |
| 415/S/23 | 29/09/23 | 0+020 | LHS | 150 | 1963 | 12.9 | 1950 | 14.5 | 101 | 89 |
| 416/S/23 | 29/09/23 | 0+020 | RHS | 150 | 1980 | 12.1 | 1950 | 14.5 | 102 | 88 |
| 417/S/23 | 29/09/23 | 0+040 | CL | 150 | 2037 | 12.3 | 1950 | 14.5 | 104 | 85 |
| 418/S/23 | 29/09/23 | 0+060 | RHS | 150 | 1993 | 12.5 | 1950 | 14.5 | 102 | 86 |
| 419/S/23 | 29/09/23 | 0+060 | LHS | 150 | 1917 | 12.9 | 1950 | 14.5 | 98 | 89 |
| 420/S/23 | 29/09/23 | 0+100 | CL | 150 | 1953 | 12.4 | 1950 | 14.5 | 100 | 86 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory. CSE Soils Laboratory**

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