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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.795/35/L/10 Date: 30th October, 2023

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**1. Customer’s Details:** ABELARD ENTERPRISES LTD

**E-mail:** abelardcompanylimited@gmail.com

**Address:** P.O BOX 2895-40100 NAIROBI **Phone:** 0722635816

**2. Customer Contact:** 0722635816 6. **Job Card No.** 1016/S/2023

**3. Sample Description:** Subbase Layer 7. **Date fee paid:** 17/10/2023

**4. Sampled by:** MTRD Staff. 8. **GOK MR No**. 4367876

**5. Date Sample received:** 17/10/2023 9. **Date Analysis started**: 17/10/2023

**10. Additional information provided by the customer:** Kiambio Road Project Phase 11

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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+020-0+380 Subbase layer** | | | | | | | | | | |
| 671/S/23 | 17/10/23 | 0+020 | RHS | 150 | 1769 | 12.8 | 1756 | 14.6 | 101 | 88 |
| 672/S/23 | 17/10/23 | 0+140 | CL | 150 | 1750 | 12.7 | 1756 | 14.6 | 100 | 88 |
| 673/S/23 | 17/10/23 | 0+360 | LHS | 150 | 1828 | 13.0 | 1756 | 14.6 | 104 | 89 |
| 674/S/23 | 17/10/23 | 0+380 | CL | 150 | 1815 | 12.2 | 1756 | 14.6 | 103 | 84 |

**Eng. J. M. Mbarua**

**For: CHIEF ENGINEER (MATERIALS)**

**OiC Soils Laboratory. CSE Soils Laboratory**

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