

# **Project Brief**

## **1. Project Title**

Upgrading of a roadside drain on the A10 Road at Plaine-Magnien (**Phase 1**)

## **2. Detailed Project Description**

On 03 February 2023, the Land and Drainage Authority (LDA) pointed out that there are flooding problems in the village of Plaine-Magnien and has thus carried out the hydraulic sizing of the drainage infrastructure to accommodate the stormwater runoff from the upstream catchment. In addition, a component of runoff is generated from the upwelling/springing of groundwater during heavy rainfall. This runoff component causes water accumulation in lateral roads along the A10 Road, and multiple houses were flooded during heavy rainfall. In this connection, the LDA requested the RDA to implement the construction of drains from Plaine-Magnien Football Ground to Motorway M1 and from there to a final discharge point.

## **3. Aims and objectives of the project**

The 1<sup>st</sup> phase of the project consists of the construction of 1.2 km of drains of width 2.5 m and varying depth from 1.2 m to 2.5 m connecting to the existing drain along A10 Road from Plaine-Magnien Football Ground to Motorway M1. Furthermore, a 2<sup>nd</sup> phase will have to be implemented to connect phase 1 to a safe point of discharge to ensure that there is no flooding on the M1 motorway and the surrounding regions.

## **4. Scope of Works**

The Scope of Works were as follows:

- Construction of 1.2 km of reinforced concrete (RC) covered drains along Phoenix-Mahebourg A10 Road at Plaine Magnien with an internal width of 2.5 m and varying depths from 1.2 m to 2.5 m.
- Construction of a soakaway at the outlet of the drain at Chainage 1+200.
- Provision of footpaths with galvanised removable covers at regular intervals of 5m.
- Backfilling and road reinstatement works on top of the proposed reinforced concrete (RC) covered drains and carriageway, including base course and wearing course as per drawing.
- Milling and resurfacing of the other part of the road.

- Provision of 150 mm diameter DI pipe over a stretch of 1.2 km for water supply (CWA).
- Relocation of existing poles and transformers for electricity supply (CEB).
- Modification, protection and relocation of existing telecom (MT) services.
- Relocation of existing traffic lights.
- Reconstruction of boundary walls.
- Provision of miscellaneous road equipment such as markings, traffic signs, handrails, etc;
- Traffic Management and associated diversion during construction works to allow uninterrupted traffic flow along one (1) lane on the A10 Road.

## **5.0 Contract Data**

Employer:	Road Development Authority
Contractor:	J. Dookhun and Sons Ltd
Contract Award:	04 April 2025
Commencement Date:	16 May 2025
Completion Date:	08 August 2026
Defect Liability Period:	365 days
Contract Sum:	MUR 326,092,275 M (Vat Incl.)