

Challenges that DSCD has encountered	How they've navigated them
5 km of drainage pipe has been installed through a tangle of undocumented buried services (power, water and telecommunications).	Design challenges were met through extensive investigative excavation and surveying and consultation with service providers.
Working in a living environment, where traffic and pedestrians need to keep moving	Much of the drainage installation and sealing works were carried out at night to reduce the disruption to traffic.
Titleholders and business house owners not willing to accept adopted road and footpath functionality. For example, refusing a footpath or bus bay adjacent to their property.	Extensive Face to Face negotiation with title holders and business house owners
Implementing road hierarchy system with functional restrictions i.e. designing arterial roads and car parking to discourage reverse-out manoeuvres	Informed stakeholders that the changed functionality is defined by the decisions of the government on the advice of the designers
Lack of access to accurate data i.e land titles outdated by 30 years, erroneous street names, no documentation of existing infrastructure	Extensive independent research and survey
Lack of documentation and maintenance of existing infrastructure, i.e. an existing, major infiltration structure at 7 Star was not documented, and it was not functioning due maintenance issues	Consultation identified the existing of the structure. Maintenance contracts established. Drainage and infiltration infrastructure accurately documented.