

Challenges and the unknowns

Documentation and Data Before PVUDP	Documentation and Data After PVUDP
Inaccurate survey markers	Installed 24 new Permanent Survey Markers (PSMs). These are major reference points that provide long-term, accurate information, which will enable all future projects and local surveyors to confidently connect to accurate survey marks from Tagabe Roundabout through to Wharf Road Roundabout. An accompanying localization file was created to enable millimetre perfect survey coordination across the city
Existing Stormwater catchments and drainage paths through those catchments	Extensive detailed survey has been conducted to enable the understanding of water catchments including their size, where water flows from and to and the hydrology of those catchments
Street names were poorly documented	Street names from various sources have been collected to compile the most comprehensive record of road names available. Street signs will be installed throughout the scope of the project
No accurate documentation of buried infrastructure	Accurately surveyed and documented location of buried services infrastructure
No easements on existing stormwater pipes passing through private land to Fatumaru	Easements established to safeguard a right of way for the government to access, maintain or upgrade stormwater infrastructure in the future
Very little record of business and building names	Almost every building along the road network has been documented with its current business name
No comprehensive contour and feature survey	Extensive accurate survey data set of all features along the road network
Limited Bus and Taxi legislation	Development of the bus and taxi by-law
No traffic or pedestrian counts	Extensive vehicular and pedestrian counts conducted
Lack of accurate digital record of cadastral data	Extensive cadastral boundaries across the road network have painstakingly been accurately drawn from land titles
Aerial Imagery	Very high resolution aerial photography has been taken at various project sites
Long-Term vehicular and pedestrian management plan did not exist	The Greater Port Vila Pedestrian and Traffic Management Plan was developed to understand the current environment, predict rates of change and plan for the future
Limited data on Hydrogeology	Extensive infiltration tests have been conducted across the city. The project has amassed a comprehensive database of topographic survey and drainage information. This data will be handed over to MIPU to inform future development projects and plans
Limited drawings of existing road network	Comprehensive set of road design drawings, cad files and 3D civil design files