

# Port Vila Urban Development Project (PVUDP)

## PROGRESS UPDATE

APRIL 2016

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The Government of Vanuatu in Partnership with the Australian Government and Asian Development Bank (ADB) are funding the Port Vila Urban Development Project (PVUDP) as one of the major investments in the nation's capital. PVUDP will contribute to sustainable urban development in Port Vila through improved road, drainage, sanitation infrastructure and services. The Project duration is from 13 February 2013 to 31st December 2017.



## PHASE 1 IMPROVED ROADS AND DRAINAGE OFF TO A GREAT START!

Port Vila residents may have already witnessed the PVUDP contractor RMS Jetmaster vehicle making quick work of filling the potholes along the Kumul (formerly Lini) Highway from Smet Junction near Grace Store along to Manples. Normally this process would be quite time consuming but the RMS Jetmaster uses a simple four stage process, which is highly suitable for relatively stable potholes where the sides of the pothole do not crumble easily. Potholes along the 13 km of Phase 1 Roads and Drainage project will be cleaned and prepared, sealed, filled, cured and ready for traffic in one smooth operation. The efficiency of the process means a significant reduction in traffic delays and potholes can be driven over shortly after repairs are made. This is just the first step in the improvements to roads and drainage for Phase 1. Details of the Jetpatching process and the next steps for improvements to Port Vila roads can be found on page 2.

This is the first time this type of process has been applied to roads in Port Vila. Residents will note that traffic speed is increasing already. Drivers need to take caution and respect speed limits at all times.



RMS Jetmaster ready for work in Port Vila



*Jetpatching of 13km of roads is just the first step towards improvement of Port Vila's roads and drainage system.*

*The 2nd step is to clean out and inspect the storm water pipes along the project route. This involves running a mobile camera through the inside of the pipes to examine the condition of the pipes and determine which storm water pipes will need to be replaced.*

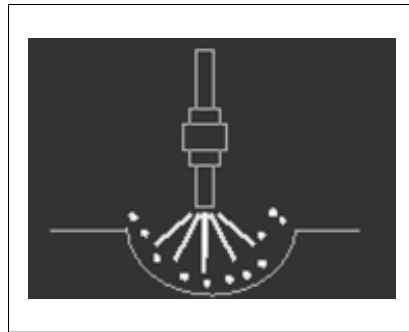
*The 3rd step will take place around mid-June, when cold tar will be laid over 13km of road.*

*Step 4 is reconstruction of intersections and improvements to roundabouts.*

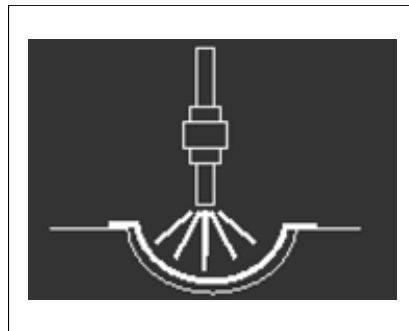
*Step 5 is to install kerbs and channels, footpaths and storm water drainage.*

*Step 6 will see asphalt laid over 8.5 km of primary roads.*

## JETPATCHING 4 STAGE PROCESS



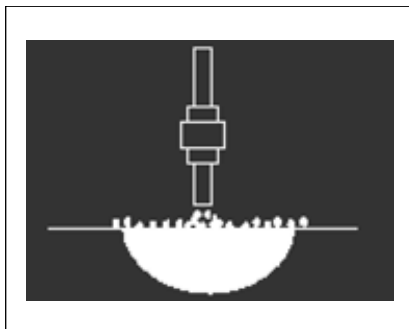
**Stage One** Using the high volume, low pressure blower the Jetpatcher™ blows all loose debris from the pot hole, cleaning it and preparing the hole for an effective patch.



**Stage Two** The Jetpatcher™ then coats the pot hole with an asphalt emulsion which seals the pothole and prevents further damage from occurring due to moisture.



**Stage Three** Aggregate is introduced into the pot hole. The aggregate is mixed with the asphalt emulsion and blown into the pothole at high velocity.



**Stage Four** The final stage of the process. After the pothole has been effectively sealed and filled, a light layer of dry aggregate is applied to the patch, preventing the patch from adhering to car tires prior to the emulsion fully curing. The patch is now ready for traffic.

**Phase 1 Roads and Drainage will see major improvements to many of Port Vila's intersections including: Euro Corner, Freshwater road intersection at Intraco, USP roundabout, Au Bon March #2 roundabout and Dumbea at Tropical Market/Family Market.**

# CONSTRUCTION WORKS ON GEORGE KALSAKAU DRIVE

Works are proceeding at a steady pace along the 301 meters of road reconstruction for George Kalsakau Drive. Construction has experienced delays recently due to a high amount of unmapped and therefore unexpected utilities littering the site. Construction efforts have been hampered by uncharted power, water and telecommunications utilities. Of particular note is the discovery of illegal septic connections leading directly into the storm water pipes, which run out into Port Vila Bay. This type of environmental pollution will need to be dealt with by



**Illegal septic connection draining into storm water pipes leading to Port Vila Bay**

the relevant authorities as there are potential health risks from water borne infection. The contractor CCECC are progressing as best as possible given the difficult circumstances and unexpected utilities.

*The discovery of illegal septic connections flowing into storm water pipes leading directly to Port Vila Bay highlights the need for Port Vila property owners to ensure they are using properly built septic tanks and practicing proper disposal of septic sludge. Proper disposal of septic waste will help to improve water quality and reduce potential health risks, especially given the already documented high level of Enterococci and Coliform contaminants in Port Vila Bay.*

## PORT VILA URBAN DEVELOPMENT PROJECT OUTPUTS:

**Output 1:** The Government has improved the road network and drainage system in greater Port Vila

**Output 2:** The Government has improved the sanitation system in greater Port Vila.

**Output 3:** Central area and settlement communities use improved hygiene facilities

**Output 4:** Government agencies and community and user organizations have the capacity to effectively and efficiently manage sanitation, roads and drainage systems.

All enquiries related to George Kalsakau Drive, Phase 1 Roads and Drainage, Septage Treatment Plant and construction of Community and Public Toilets please contact the project

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