



Reduction of an Environmental hazard at Point Wells

The Point Wells community has had enough with the significant public health hazard associated with failing septic tanks and inadequate treatment by other on-site systems in the area. With the combined efforts from the Point Wells sewer committee, Rodney District council, Harrison Grierson consultants and Ecoflow, Point Wells now has a fully functional pressurized sewer system.

Properties in Point Wells have the new E/One Extreme series grinder pump systems to macerate and pump all wastewater through a network of small bore polyethylene pipelines discharging back to the wastewater treatment plant for proper treatment at Jones Road approximately 4km away. No additional transfer stations or storage tanks are required.

For a place like the very flat Point Wells, PSS as apposed to a traditional gravity sewer system was a cost effective and reliable option. PSS technology also has the benefit of being significantly easier to retrofit in the already established Point Wells area. The use of horizontal drilling for the street mains in this application ensured minimal disturbances to the environment and existing infrastructure resulting in greater satisfaction for homeowners in Point Wells.

Ecoflow Ltd have installed 160 E/One Extreme series grinder pump systems to replace the existing septic tanks. The E/One grinder pump consists of 0.75kW submersible semi positive displacement grinder pump within a rigid polyethylene collection tank 2m deep. The pump starts & stops automatically via pressure switches located within the head of the pump and keeps maintenance to a minimum.

“This is an excellent system, you hardly know its there, you don’t hear it, you don’t smell it and it blends in with the landscape”

The new system will have a major beneficial impact to the poor state of the environment at Point Wells, especially in the winter time when water tables are very high. It will reduce odours but more importantly reduce the risk of becoming sick particularly with the young and elderly residents.