



## Case Study

# *PVC- O Pipes .... The next generation in PVC.*

### **Apollo PVC-O installed for sub-divisional construction work in Whakatane.**

The Dawn Parade subdivision in Whakatane was designed by local design engineers Harrison Grierson.

The development is being constructed in stages with 11 sections in the first stage.

While originally designed in Polyvinyl Chloride – Un-plasticized (PVC-U), the next generation in PVC pressure pipes were installed into the water main network there. PVC-O or Oriented PVC pipe was installed by the contractor. These high performance PVC-O pipes are much stronger, lighter in weight, more environmentally friendly and utilize the latest state-of-the-art manufacturing equipment available internationally.

PVC-O pipes have increased mechanical properties providing a larger inside diameter while delivering up to 25% more flow or storage in the water main asset.

The contractor liked the light weight and easy handling feature of the pipe. The main was installed in the road reserve while using the same structural trench design as for other buried flexible pipes. The same mechanical fittings were used to make connections onto the pipe.

The installations took place during 2012.

<b>Contractor;</b>	HEB Construction Ltd.
<b>Council;</b>	Whakatane District Council.
<b>Design Consultant;</b>	Harrison Grierson, Whakatane.

#### **Iplex Pipelines NZ Ltd Technical Services Contacts**

Frank O'Callaghan	Mobile 027 495 4523
Todd Randell	Mobile 027 211 4838
Iain McNaught	Mobile 027 243 3000



Series 2 blue, Apollo PVC-O stock pile on site.



Connections to Apollo PVC-O completed using standard mechanical fittings.