

Blockbuster/Drain Corp Joint Venture Projects.

Two recently completed pipe bursting/lining projects in Randburg and Boksburg.

A property in Randburg had been extended by the addition of a cottage next to the garage. Unfortunately this extension was over the existing Santar sewerage pipe. Camera inspections revealed that the pipe under the building was in very poor condition and had in fact started to collapse. A 7m length of new pipe was needed under the building.



Lead in.

Although it was possible to re-route the pipe around the cottage, the fall would not be correct because it would add approximately 25m to the line. There was also quite a lot of additional cost in re-doing all the paving, so the client elected to go with a “tight liner” (100mm HDPE) under the building, pulled through with hydraulics.



Result - the other side.

The replacement was uneventful. The two pits took about 3 hours to prepare and the actual pulling operation about 15 minutes. A toilet stack was piped into the new HDPE line and the sewer was running again in less than 5 hours. The total cost was approximately half of the estimated cost of re-routing the pipe and re-laying the paving.



A sample of the pipe!

The second job was in Boksburg. This consisted of a 30m run of Santar pipe that had collapsed in a few areas. The main problem here was that the pipe ran under a large paved area and three wooden huts that were cemented and piped in. They were thus fairly costly to move and reinstall.



Stuff in the way of a ditch!

This job was already excavated for us. Progress had stopped once the owner was made aware that the paving and huts would have to be moved. The downside of this was that the ditches were full of sewerage and over pumping was required. BBDC's price was again less than half of the estimated cost of replacing the pipe by digging, moving the structures and re-doing the paving!



Last leg - winching

This job took just over an hour to pull – we pulled from a pit half way, moved the winch, and then from the downstream end. The sewer line was at about 1.8m in “oukclip” on the downstream side. The property owner was somewhat concerned that the job happened “too fast”.



Lead in – after pumping!

Website with more info on Santar used as sewer pipe is at www.blockbusterdrain.co.za

Conclusion.

An extremely cost effective way of replacing sewer pipe that causes the minimum amount of destruction and disruption.

Hard to beat 30m of pipe in less than a day!

The garden, huts and paving are all still intact.

A Scaleable solution from 6m to 600m!

The Benefits of using BB&DC’s pipe replacement method

1. The most cost effective solution – especially if you need to go under buildings, walls, paving and roads.
2. Minimal disruption to the property – we only dig a series of small pits.
3. Little or no contamination of the area we work in – we don’t dig up all the contaminated earth and spread it around as you would have to using conventional methods.
4. We can replace the pipe in heavily contaminated ground that is in fact nothing less than a septic tank. The contaminants stay where they are and will ultimately become inert.
5. The replacement is quick and disruption to sewerage flow minimal.
6. Pipe is replaced – not patched or lined with resin liner. You thus have a brand new pipe that is round and smooth inside with no compromised structural integrity.
7. **Immensely strong HDPE (class 6-10) pipe with a minimum of joints will provide hassle free sewerage flow for the next 100 years!**

Contact : Graham Rogers – 083 6252267 or Lee Brand – 083 458 4836