

# ST STITHIANS

## WATER TREATMENT PLANT

### PROGRESS IN PICTURES



PREPARED BY

**Elfas Ncube**

Pure Care Marketing







**Mark Pretorius**  
Pure Care Group CEO

The St Stithians team, under Thando Bili's leadership, handed over the site to the Pure Care team in mid-August.



**Thando Bili**  
Acting Head of Operations

In the first few days, the site was set up and a soil engineer analysed the soil content.







Our team continued to dig trenches, created a layer of river sand on which to lay the water pipelines and electrical cable.



**Wonderboy Mthethwa**  
Pure Care Project Leader



**Jennifer Marques**  
Pure Care Project Office



We met with the Rector - Celeste and Thando on the 1st September to explain the WATER PROJECT and show them our progress thus far.

*Pictures: Pure Care Leader, Chris Kelway presenting to Celeste and Thando.*







In the first few days of our 3rd week on site, our team laid the 370m length armored electrical cable.



**Wonderboy Mthethwa**  
Pure Care Project Leader



We closed the trench for the electrical cable and laid danger tape to allow the College to access the areas in future knowing where the electrical cable is located.



*Our team assisting to close the trenches.*





The Chairman of Planning and Development Committee - Siya Mbanjwa, alongside Thando Bili, visited our site to get an understanding of our progress.



We commenced digging trenches at Higher Ground, inserting water pipes and closing the trenches within a couple of days.







We were visited by Ntombi Langa-Royds member of Council with Thando, to give her an overview of our progress with special focus on the Learning Center.



The Higher Ground road crossing for the pipeline was completed with minimal disruption to the road traffic.







Our technicians came to complete a successful pressure check on the entire water pipeline and found no leaks at the joints.



We poured concrete and started with the foundations for the Water Plant and Learning Center as well as the retaining wall for the large storage tank. We were impacted by the rain on Friday.







At the beginning of the 7th week, we had our full Health and Safety site audit completed by Jon Harrison-Bowen.



The Civils team commenced the preparation for the floors of the Water Treatment Plant and Learning Center.







We continued building the retaining walls for the water tanks and leveling the foundation of the building.



We were visited by Jackie Matlala and Lorna Kirk with Thando Bili to review the site progress.



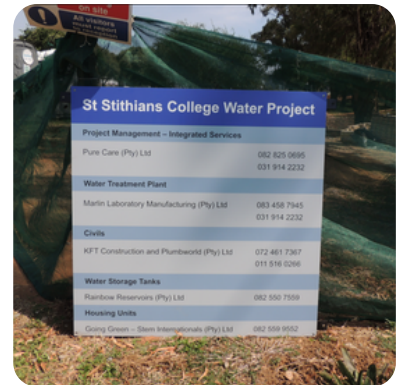




We completed the pouring of the concrete slabs on Thursday 21st October.



We erected our Water Project construction board at the Corlett Gate entrance. Our technicians installed the RPZ valve in the main water distribution supply system.







We continued building the retaining walls for the water tanks and leveling the foundation of the building.



Our Water Storage Tanks team checked the levels and prepared the grounds for assembling our 3 Water Storage Tanks.







We commenced the assembling of the 545 000L and 68 000L Water Storage Tanks.



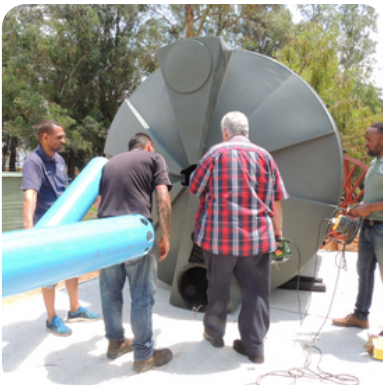
We erected our second Construction Board facing Braam Fischer Drive and finished building our retaining walls as well as manholes.



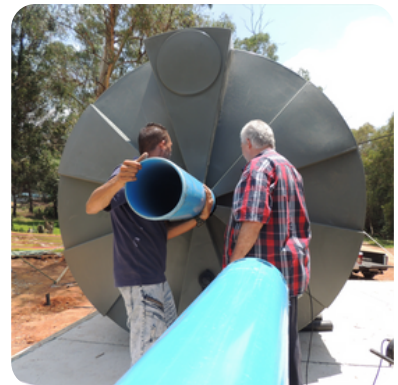




We completed assembling the 545 000L water tank and began with the 60 000L water tank which was completed in the same week.



We also installed our Water Separator with the guidance of our Group CEO Mark Pretorius.



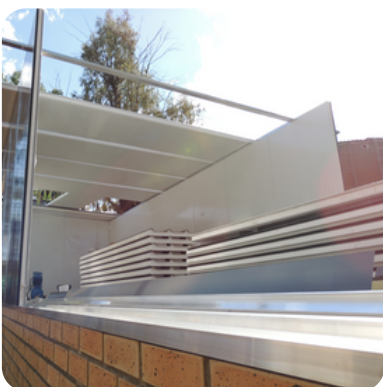




We commenced the assembling of the 270 000L Water Storage Tanks.



We completed assembling our 270 000L water tank and began assembling the housing unit.







We continued building the retaining walls for the water tanks and leveling the ground around the site.



We completed assembling our housing unit and began installing windows as well as doors.







We completed assembling our housing unit where the Learning Center and Water Plant are located.



We started with plumbing and assembling our Water Plant system. We were also visited by Thando and Pauline to discuss next actions to take to make our site look more beautiful.







We were visited by Thando Bili to discuss how the environment around the Water Plant must be restored and the dirt road expanded.



Our technicians started assembling and connecting the Water Plant to the Water Tanks.







We completed the installation of water pumps and ran the plant for the first time. We began treating and testing the water.



We installed a power back up system to ensure a continuous feed of water to the College when there is load shedding or no electricity in the College.







Our technicians completed the installation of water meters, flowmeters, pressure gauges and automating the water system.



We created berms around the Water Plant, prepared the site for commissioning and widened the Dirt Road.







We drilled a new 51 meters borehole across the dirt road from the Water Treatment Plant.



We completed all the outstanding civils work, painting, labelling and continued testing the water.

