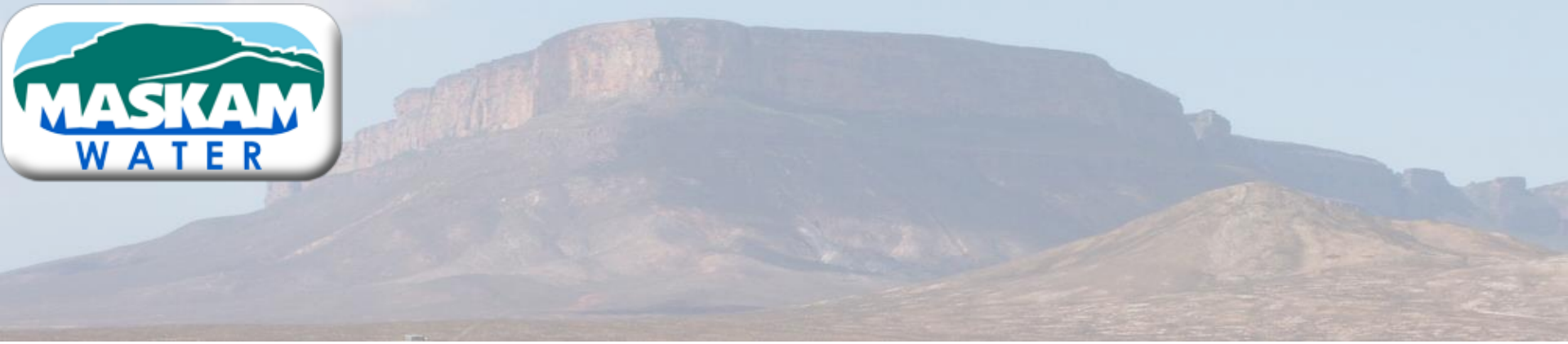


Maskam Water sold the first Clarus Fusion On-site Waste Water Treatment Plant in Africa in 2010. Since then we have sold and installed these systems in 9 countries on the African Continent.

The Clarus Fusion has proved to be a reliable, easy to install and easy to operate WWTP. In most installations, the treated effluent is being re-used on site, saving the customer water and saving money.

Water security is no longer a given. We all have to work together to save water where we can. Re-using is one of the most sustainable and most affordable ways of saving. It pays for itself!

We invite you to take the tour with us and see for yourself how easy it is to retrofit with a Clarus Fusion and start saving. An installation like this can be done in only two days….

CLARUS
ENVIRONMENTAL


Old Concervancy tank is now used as a lifting station.
U282 Zoeller pump on timer dose sewage to the Clarus Fusion ZF2400 (9000 lpd)
CLARUS
ENVIRONMENTAL
MASKAM
WATER

Marking out the position of the Clarus Fusion

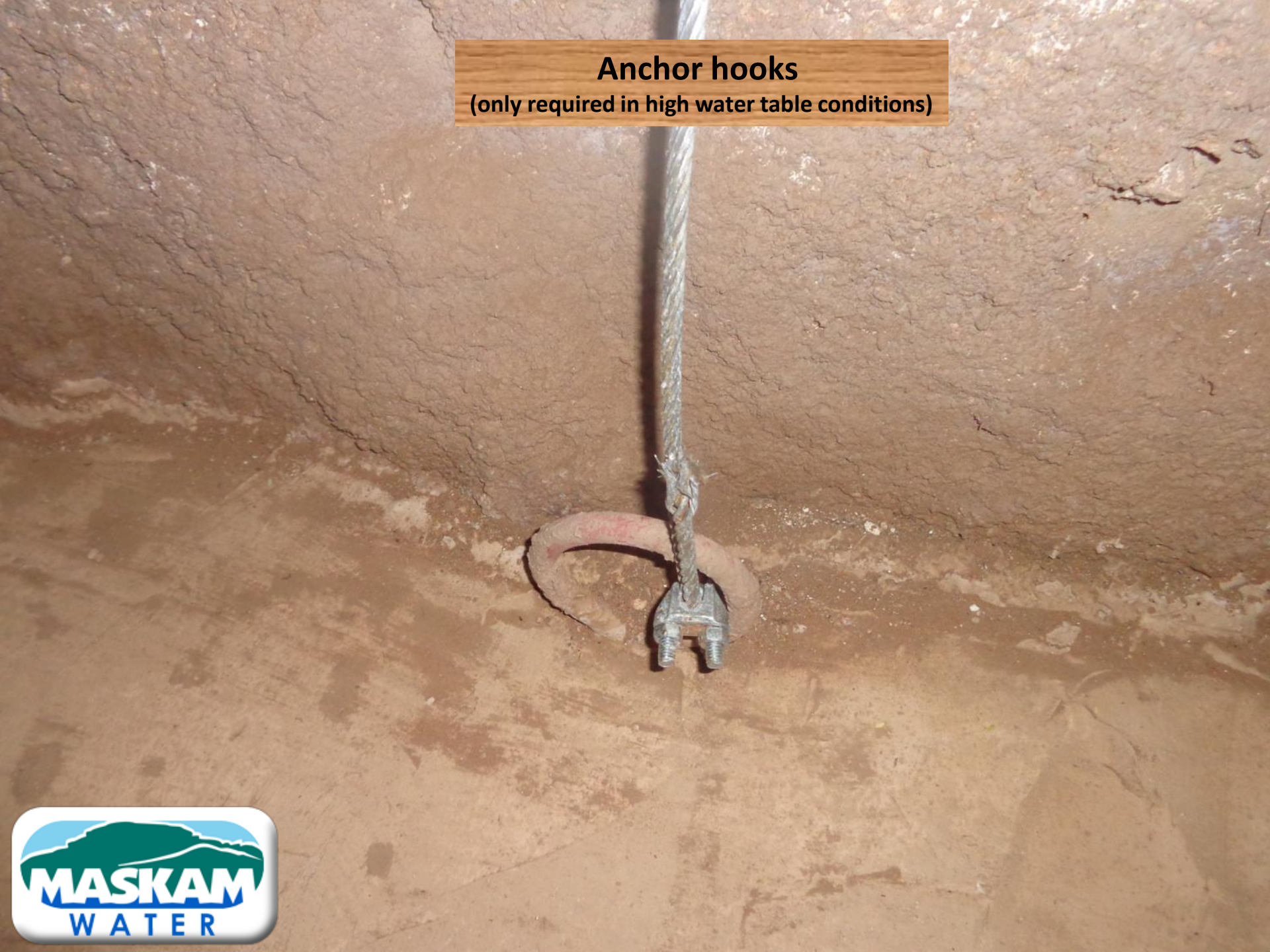
MASKAM WATER

CLARUS ENVIRONMENTAL


Installing electrical supply
MASKAM
WATER
CLARUS
ENVIRONMENTAL

Excavation


Stable base or concrete slab
(ensure 100% level)
MASKAM
WATER


Anchor hooks
(only required in high water table conditions)
MASKAM
WATER

Delivery

- Tank weighs 700kg
- Treatment capacity: 9000 lpd
- Footprint: 4.7m x 2m
- Wet weight: 13 537 kg
- Power: 261 watts

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Placement

- Ensure 100% level
- Fill with water

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Secure tank
Only needed in high ground water conditions
Only use stainless steel cables and tensioners

Connect air line and high level float switch

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MASKAM
WATER
Backfill and compact
Vent pipe
CLARUS
ENVIRONMENTAL

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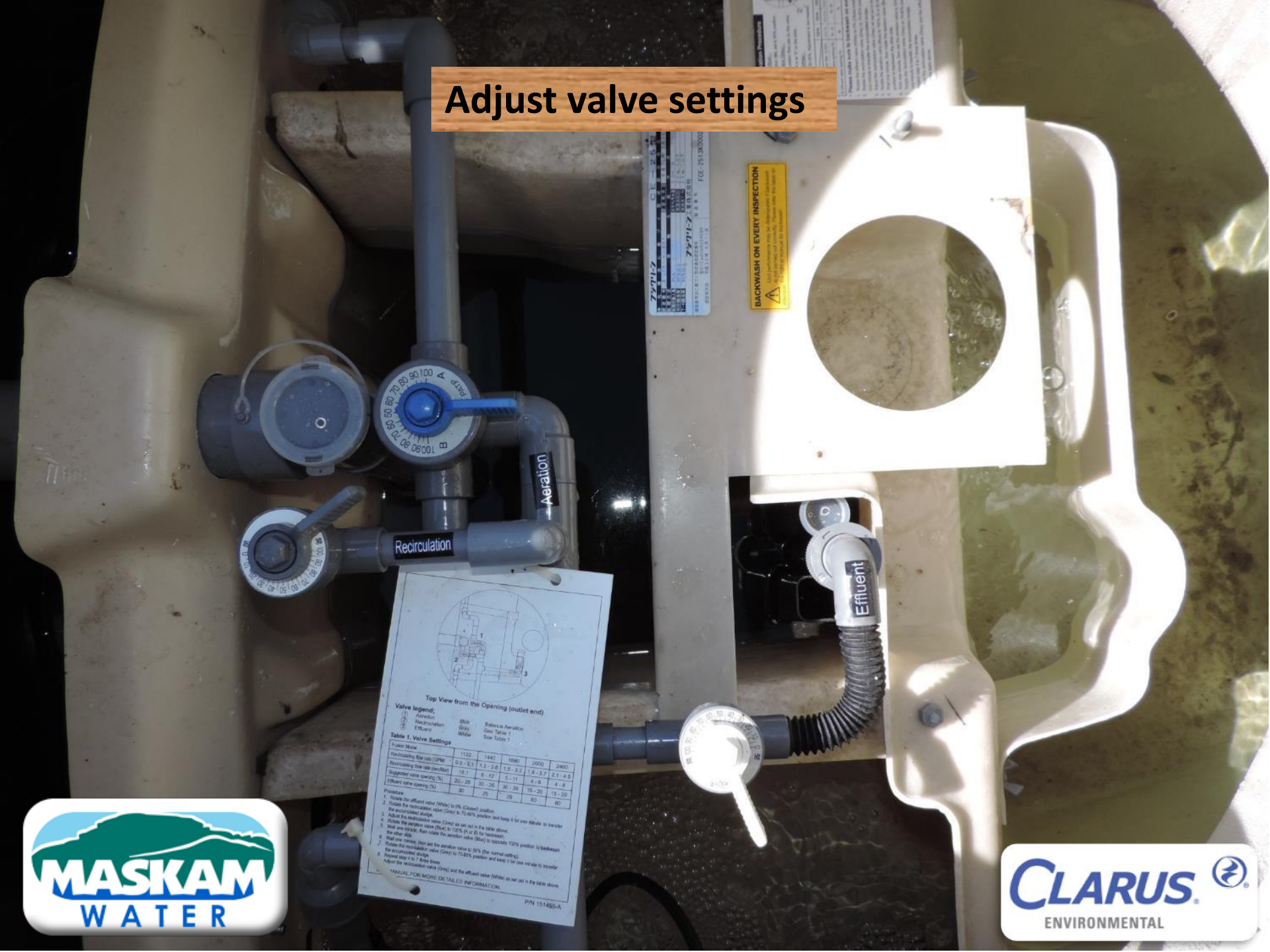
Air pump and electrical panel
(air supply and monitoring of plant)

Adjust valve settings



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Final Grade

Air pump covered with artificial rock to blend in with garden (ensure enough air flow to prevent overheating)

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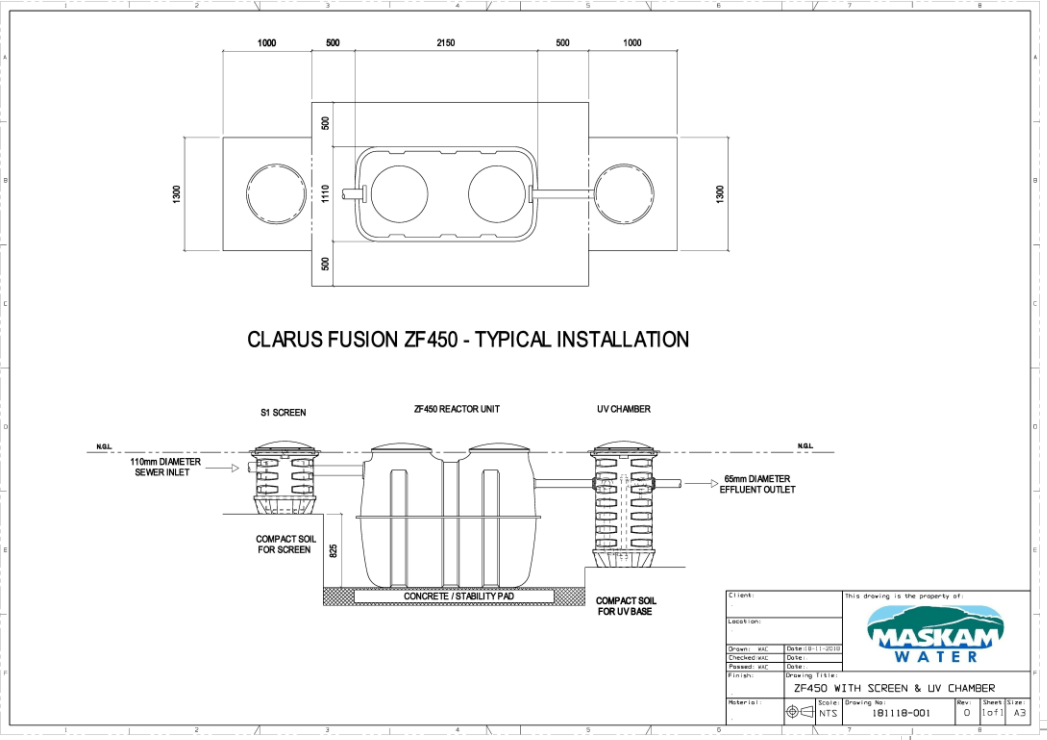
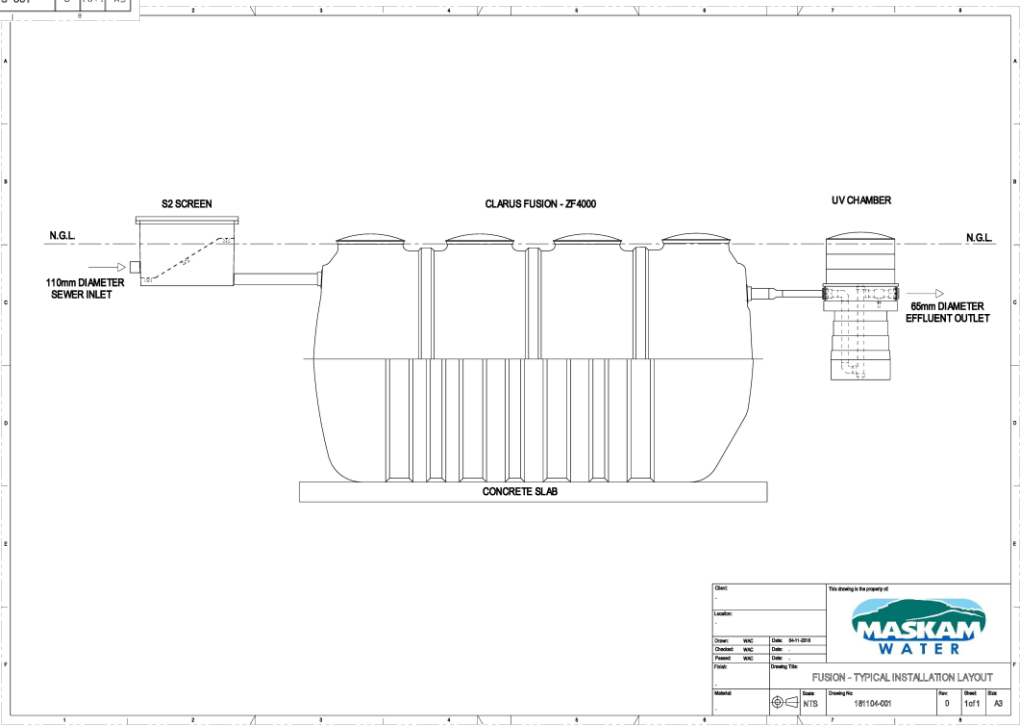
Water sample after 4 weeks



Typical installations with pre-screen and UV for disinfection



Applications

- Sewage treatment – domestic,from single house to communities
- Farms, guest houses/lodges, function venues, schools
- New developments
- Retrofit for conservancy tanks
- Retrofit for septic tanks
- Suitable for both urban use and rural areas
- Re-use of water
- Pollution control – where raw sewage pollute water sources
- Secondary treatment of industrial effluent
- COD reduction of industrial effluent before discharging to municipal sewer line (prevent high COD penalties)
- Informal settlements
- Temporary installations
- Mobile ablution facilities (can be built into container)

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Lifting stations

When gravity flow is not possible...

Applications:

- Sewage removal from locations lower than gravity sewer mains
- Sewer main is not accessible
- Lifting sewage into Clarus Fusion STP (if gravity not possible)
- Dewatering
- Lifting grey water or rain water into surface tanks

Features:

- Durable polyethylene basin
- Cast iron pump with non-clogging vortex impeller
- Rubber seal gasket on cover reduce odours
- Screw-down lid
- Wide range of pumps available, from dewatering to 50mm solids handling
- Wide range of basins up to 2m deep
- Rail systems optional

24" x 24"
Poly molded basin (top discharge)

MASKAM WATER

Multizone Valve

Mechanical diaphragm valve change to new zone each time pump starts

2 – 6 zone

Supplementing products

Rail System

Easy installation and removal of pumps in deeper sumps, auto disconnect

Quick Disconnect

For easy removing and installing pumps in a shallow sump, no tools needed to remove pump for servicing

Low pressure / domestic use, 40mm

ZOELLER PUMP COMPANY

Full bore check valves

Threaded, high pressure,
40mm, 50mm & 63mm
Flanged 75mm+

Clamp-on, low
pressure 50mm

Clamp-on spring loaded,
40mm, reduce water hammer
(also ideal for pool pumps)

MASKAM WATER

Dewatering

Engineered sump pumps – delivery in two weeks from order

Zoeller sump pumps

All sump pumps up to 2kW fits into the plastic lifting stations

ZOELLER® PUMP COMPANY

Grinder pumps, single directional and auto reverste

Thermal overload built-in

Solids handling 19mm – 100mm. Cast iron, brass or bronze impellers

MASKAM WATER


Contact your local
for
more information
or to request a quotation
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