

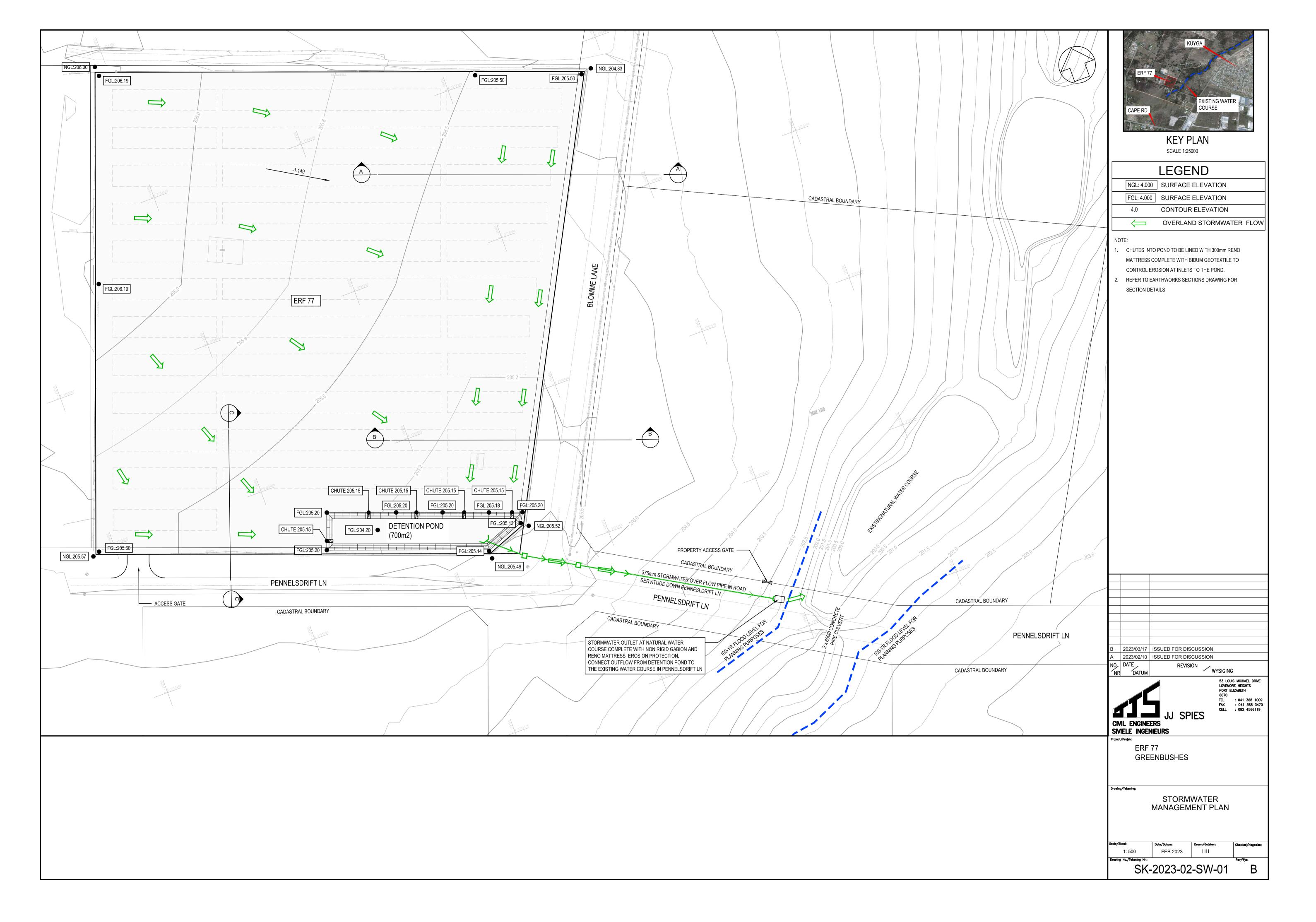
Date

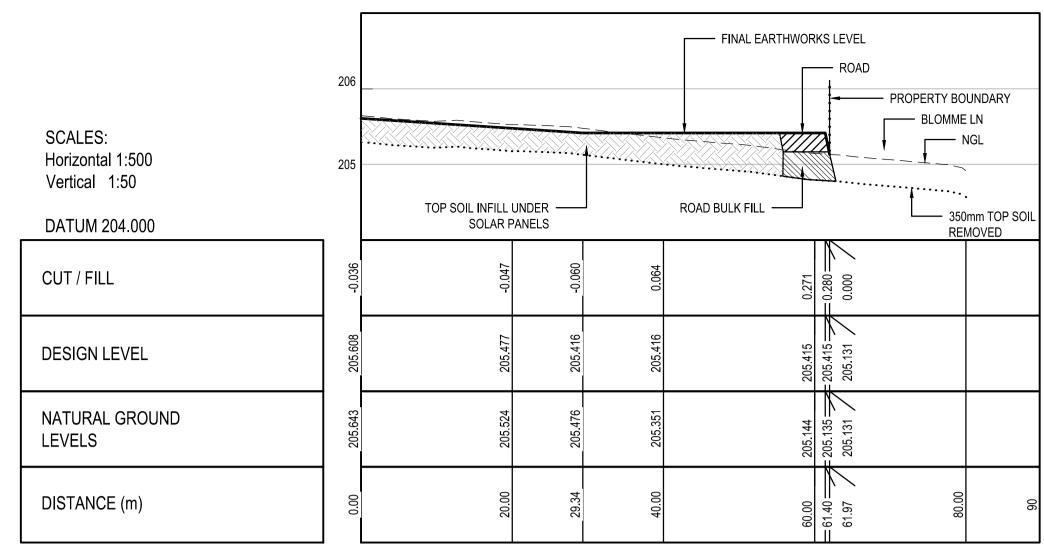
22/11/22

18/04/23

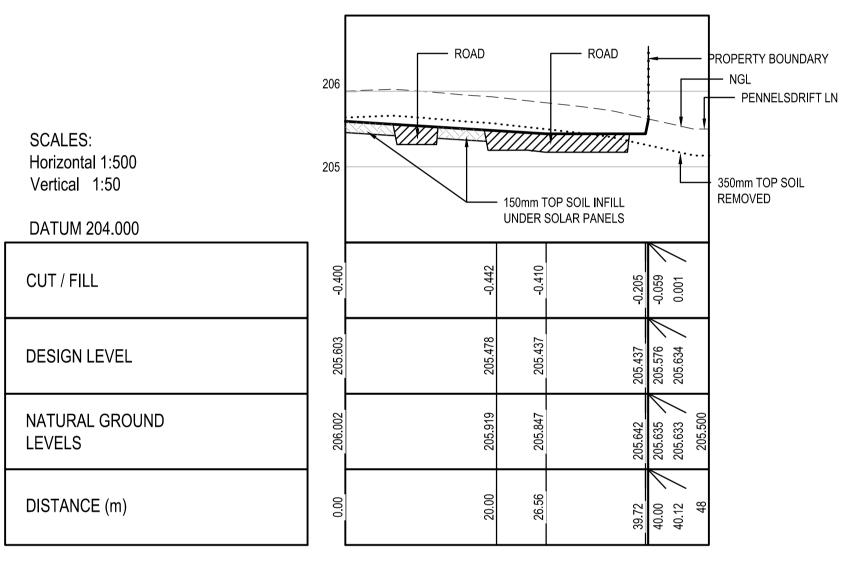
23/05/23

SOL-22 Date 23/05/23		3		
ing No.			Revision	
-SOL-S	K-100-	GEN	3	٥ و
n by	Cheo	<u>ked by</u>	<u>Scale</u>	00
	MDS	i	As indicated	č,
d for	-		Paper Size	5/24
RMATIO	N		A1	003/05/24 13-22-39

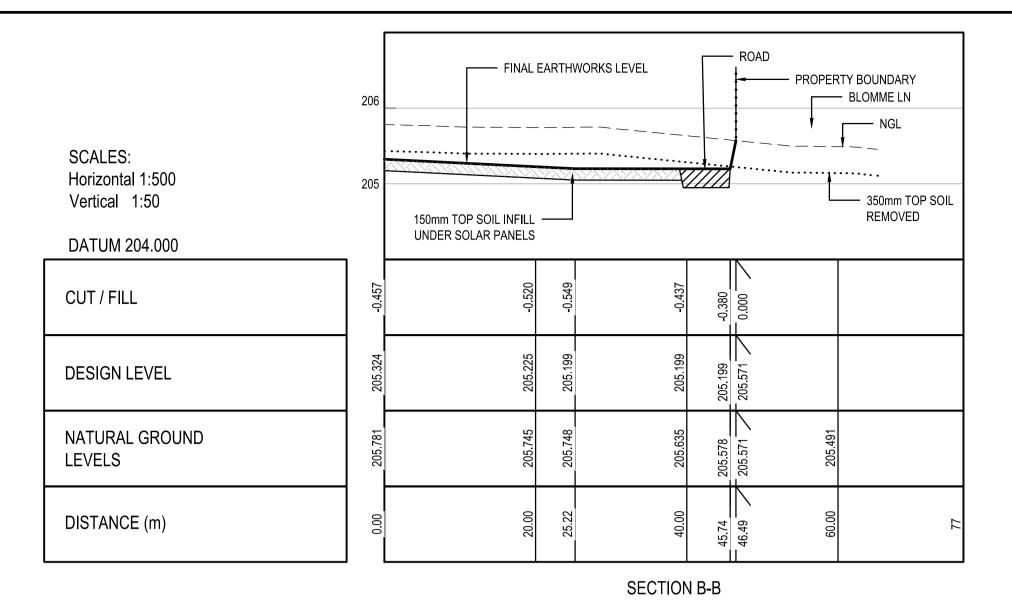




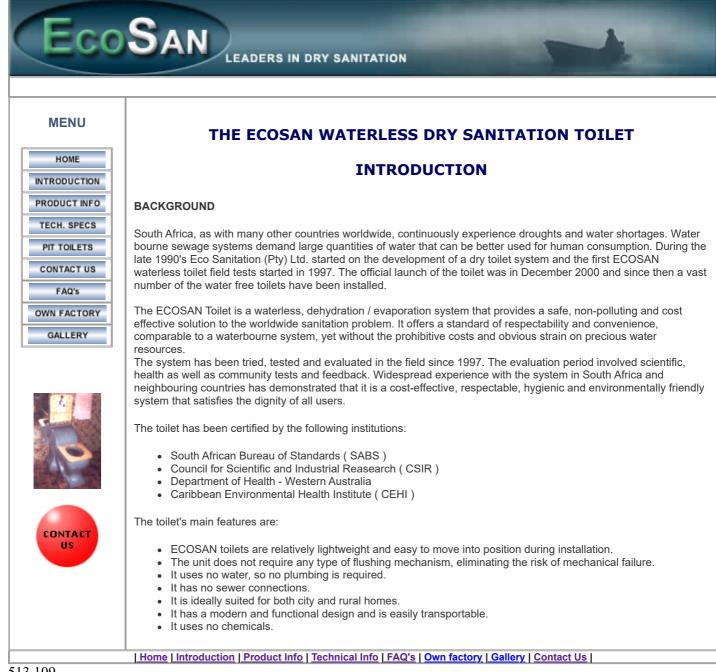
SECTION A-A



SECTION C-C



ERF 7	EXISTING WATER	
<u> </u>	KEY PLAN SCALE 1:25000	
A 2023/03/17 NO DATE	REVISION	
	53 LOUIS MICHA LOVEMORE HEIGH PORT ELIZABETH 6070 TEL : 041 FAX : 041 CELL : 082	
SMELE INGE Project/Projek: ERF GRE		
Drawing/Tekening:	ARTHWORKS SECTIONS	
Scale/Skaal: AS SHOWN Drawing No./Tekening Nr.: SK	FEB 2023 HH	/Nagesien: 3: A



513,109

ECOSAN LEADERS IN DRY SANITATION

MENU

HOME INTRODUCTION PRODUCTINFO TECH. SPECS PIT TOILETS CONTACT US FAQ'S OWN FACTORY		_
PRODUCT INFO TECH. SPECS PIT TOILETS CONTACT US FAQ'S OWN FACTORY	HOME	
TECH. SPECS PIT TOILETS CONTACT US FAQ'S OWN FACTORY	INTRODUCTION	
PIT TOILETS CONTACT US FAQ'S OWN FACTORY	PRODUCT INFO	
CONTACT US FAQ's OWN FACTORY	TECH. SPECS	
FAQ's OWN FACTORY	PIT TOILETS	
OWN FACTORY	CONTACT US	
	FAQ's	
GALLERY	OWN FACTORY	
GREEERT	GALLERY	

ECOSAN WATERLESS TOILET - PRODUCT INFORMATION

What is a waterless / water free toilet system?

A sanitation system that does not require any water to function. Not only does it save on water use, but it is entirely isolated from the surrounding environment and cannot contaminate underground water resources.

How can sanitation work without water ?

The system utilises a natural biological process to break down human waste into a dehydrated odourless compost-like material.

How does it work ?

We receive many questions about the toilets, of which " How does it work " is the most frequently asked . The following is a brief description of the ECOSAN toilet concept as well as it's main features.





The human excrement falls down a vertical chute (2) and into one end of a specially designed helical screw conveyor (3). Every time the toilet lid (1) is lifted, a mechanism rotates the conveyor. With each rotation the human excrement slowly moves along, taking approximately twenty five days before falling into a reusable collection bag (4). It takes six months for the bag to fill with dry and odourless waste.

Through the uniquely designed ventilation pipe (5), adequate airflow is provided for the dehydration / evaporation, deodorising process. Human excrement consists of roughly 95% moisture. As the solids dry in the conveyer the urine and moisture is vented into the atmosphere. The solid waste then dries into a compost-like material, roughly 5 - 10% of it's original mass.

The dry waste is manageable and can be processed in the following ways.

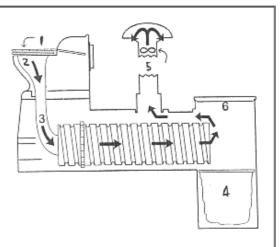
- Use it in the making of compost
- Dispose of it by using municipal waste services
- Use it as a source of fuel

Large objects like beverage cans, disposable nappies or other objects accidentally dropped down the chute will not block the system, It is however not advisable to do this

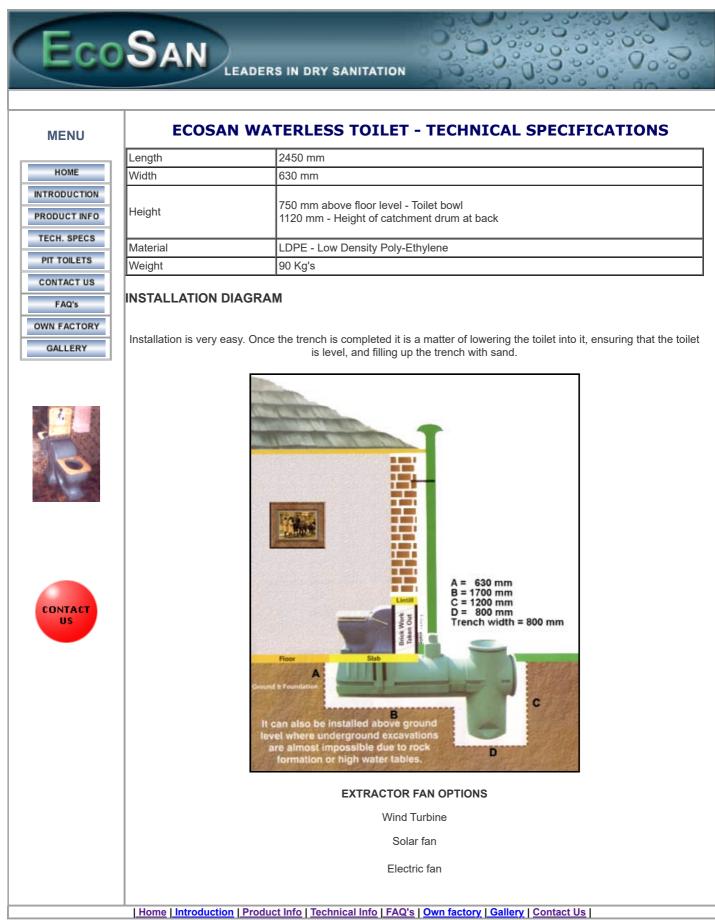
Features

- No plumbing required
- No drains
- No pipes
- Waterfree
- Low odour levels
- Chemical free
- Relatively light and easy to install

Product extras



	Toilet hut (optional) When a toilet is to be installed outside a home, we can supply a toilet hut that has been designed especially for the ECOSAN toilet system. The toilet can however be installed using any toilet hut structure.
	Urinal (Standard)
	Each toilet comes standard with a urinal which is wall mountable either in a existing home or inside a toilet hut.
	Other models
	Asian model
	This version was developed for countries where toilets differ from the toilets used in other countries. In place of the traditional european type toilet bowl this model has a seat on floor level. Otherwise the basic workings of the toilet is exactly the same as our other toilets.
	Mining and other high volume usage units.
	As a variation on the home model designed for normal use, a special modification was made to accomodate installations where there is a high frequency of use of toilets. This model uses a drum instead of a bag for waste collection. The unit is therefore not a completely dry system and also means that the drum needs to be emptied on a regular basis. This unit is ideally suited for places where the installation of sewerage pipes are difficult, for instance underground mines or very busy public places.
513,108	Home Introduction Product Info Technical Info FAQ's Own factory Gallery Contact Us



513,107