



Skeletank®

Discover the inner strength



AGENDA

Introduction to Skeletank®

Applications

Background for using in SuDS

Rainwater Harvesting

Legislation & Guidance

Why Buy Skeletank®

Other Applications

INTRODUCTION

- The Skeletank® is a tank with inner strength
- High strength inner skeleton
- 70 tonnes/m²

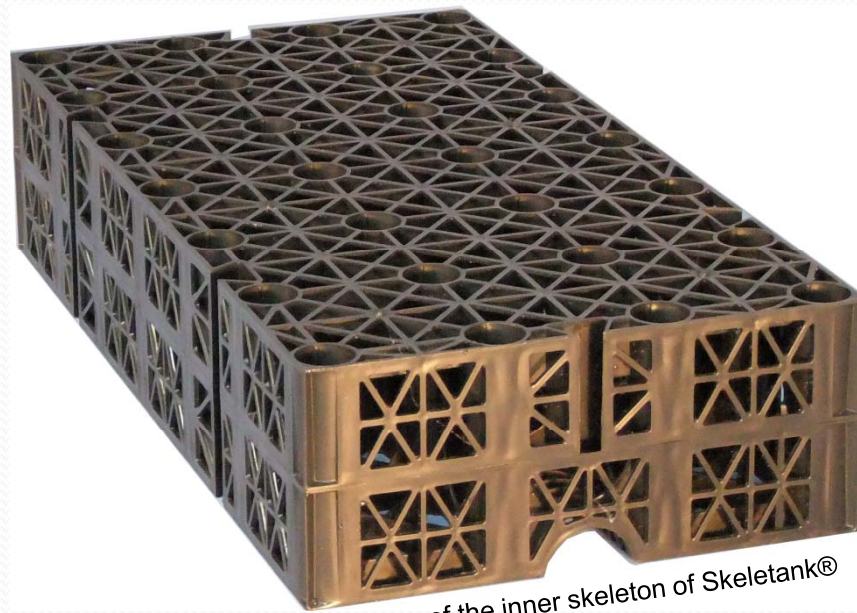


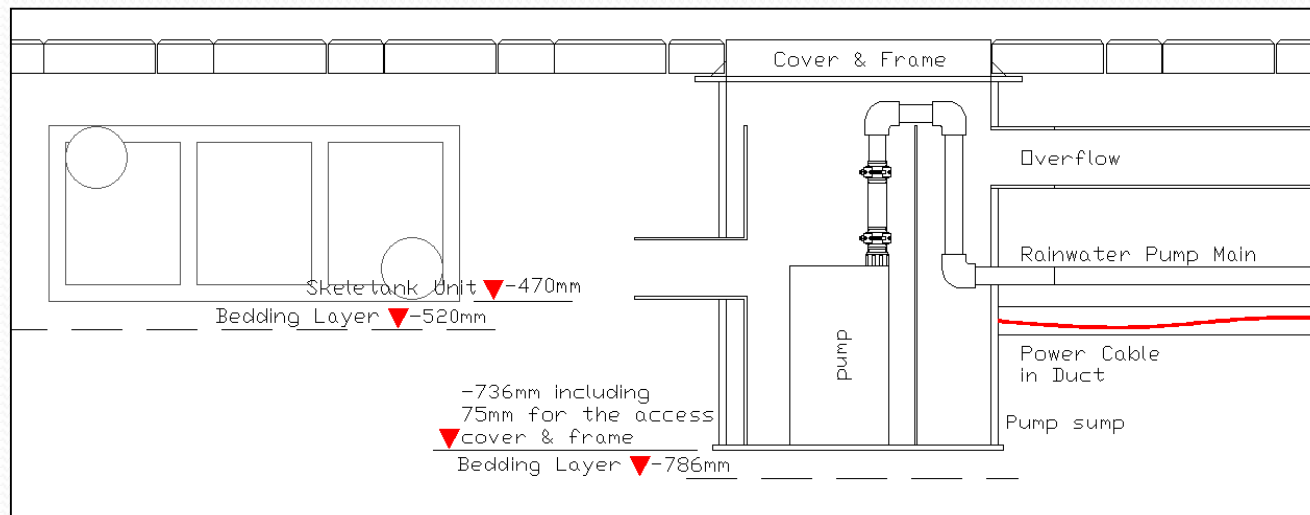
Image of the inner skeleton of Skeletank®



Is this strong enough? 40 tonne low loader parked on Formpave surfacing with 50mm bedding which is laid on the inner skeleton of Skeletank®

INTRODUCTION

- High strength shell allows Skeletank to be installed at very shallow depths
- Normally only 500mm deep



Section through a typical Skeletank® rainwater re-use installation

INTRODUCTION

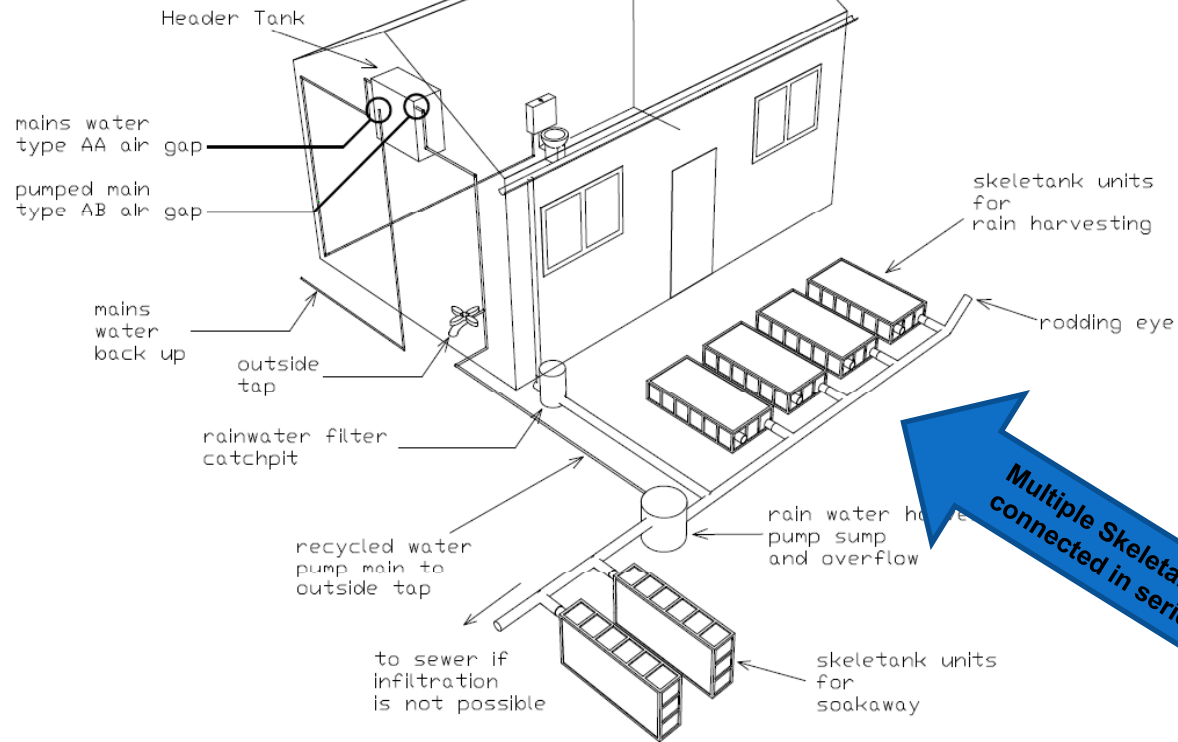
- It's strong enough for under your driveway
- Can be covered with:-
 - paving blocks
 - slabs
 - decking
 - grass
 - and even tarmac

INTRODUCTION

- 300 litre capacity
- Modular, easily added to (schematic)

Skeletank Rainwater Harvesting Tap & Toilet Schematic

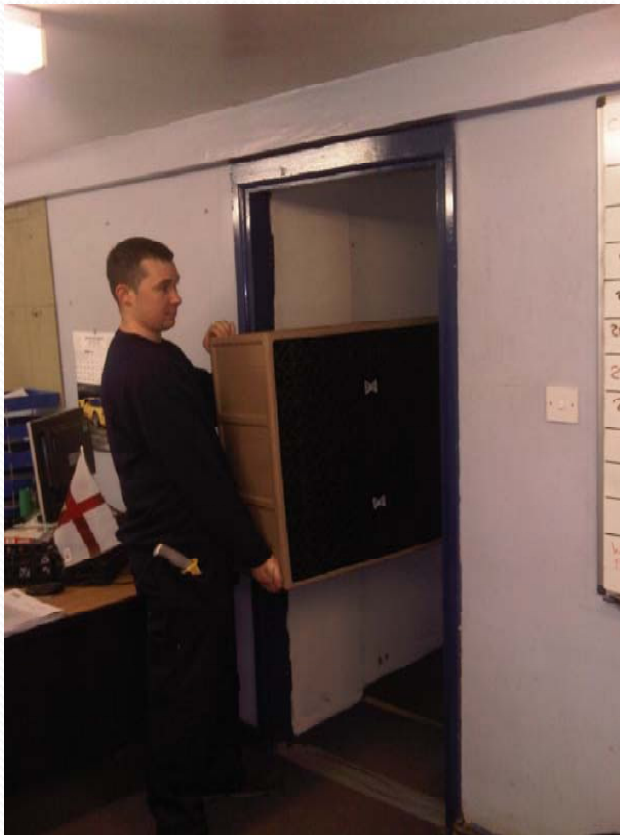
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**Multiple Skeletank® units
connected in series**

INTRODUCTION

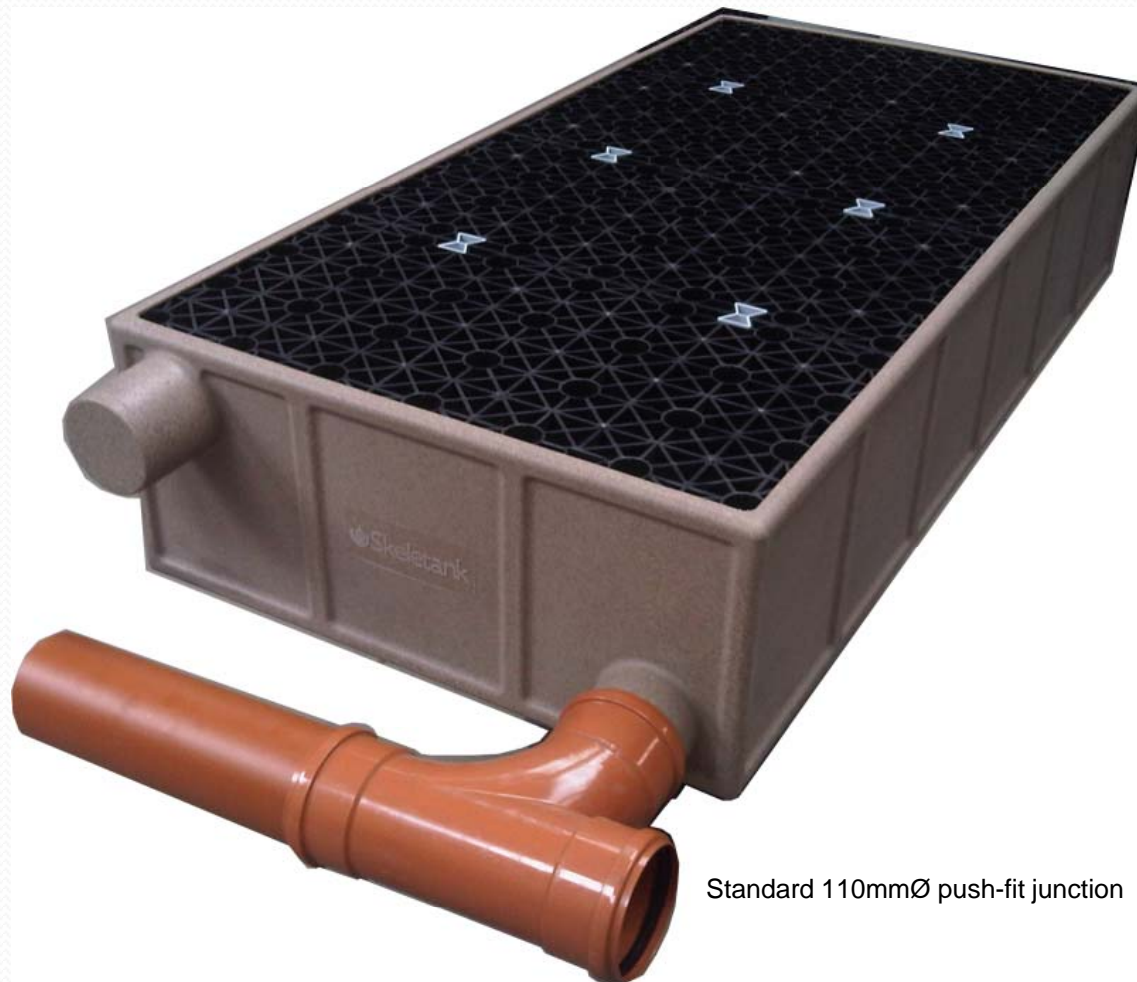
- Lightweight only 35kg
- Easily carried by 2 people
- Will fit in the boot of a family car or on it.
- Compact 1450mm x 735mm x 315mm
- Easily carried through a standard doorway



A Skeletank® being carried through a standard doorway

INTRODUCTION

- Single moulded shell
- Guaranteed watertight
- Standard 110mmØ pipe connections
- Compatible with standard push-fit underground drainage



Standard 110mmØ push-fit junction

APPLICATIONS

- The Skeletank is designed for SuDS
- Many possible uses including rainwater storage for:
 - Re-use
 - Soakaway
 - Attenuation
- Most popular use – Rainwater Harvesting

BACKGROUND

There is an ever increasing requirement for householders and house builders to consider incorporating sustainable drainage systems (SUDS) in their existing and new build homes.

The requirement may be a personal or environmental choice, financial, planning condition or a building regulation requirement.

Current guidance and forthcoming legislation will encourage a greater uptake for SUDS as attempts are made to minimise the occurrences of flooding and reduce water wastage.

RAINWATER HARVESTING

- Re-use of rainwater
- Collection & distribution of rainwater from roofs
- Use inside and outside the home or business
- Use for Irrigation
- Toilet flushing
- Washing machines

RAINWATER HARVESTING

- 3 Main Arrangements

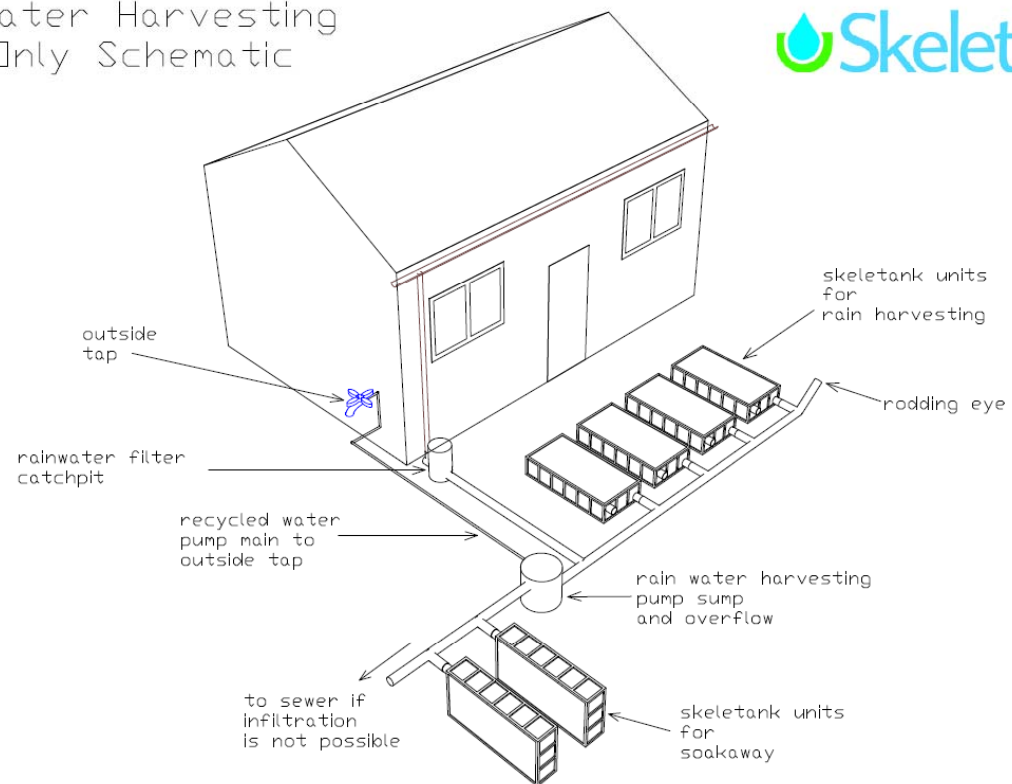
- Tap Only

- Tap & Toilet

- Tap, Toilet & Washing Machine

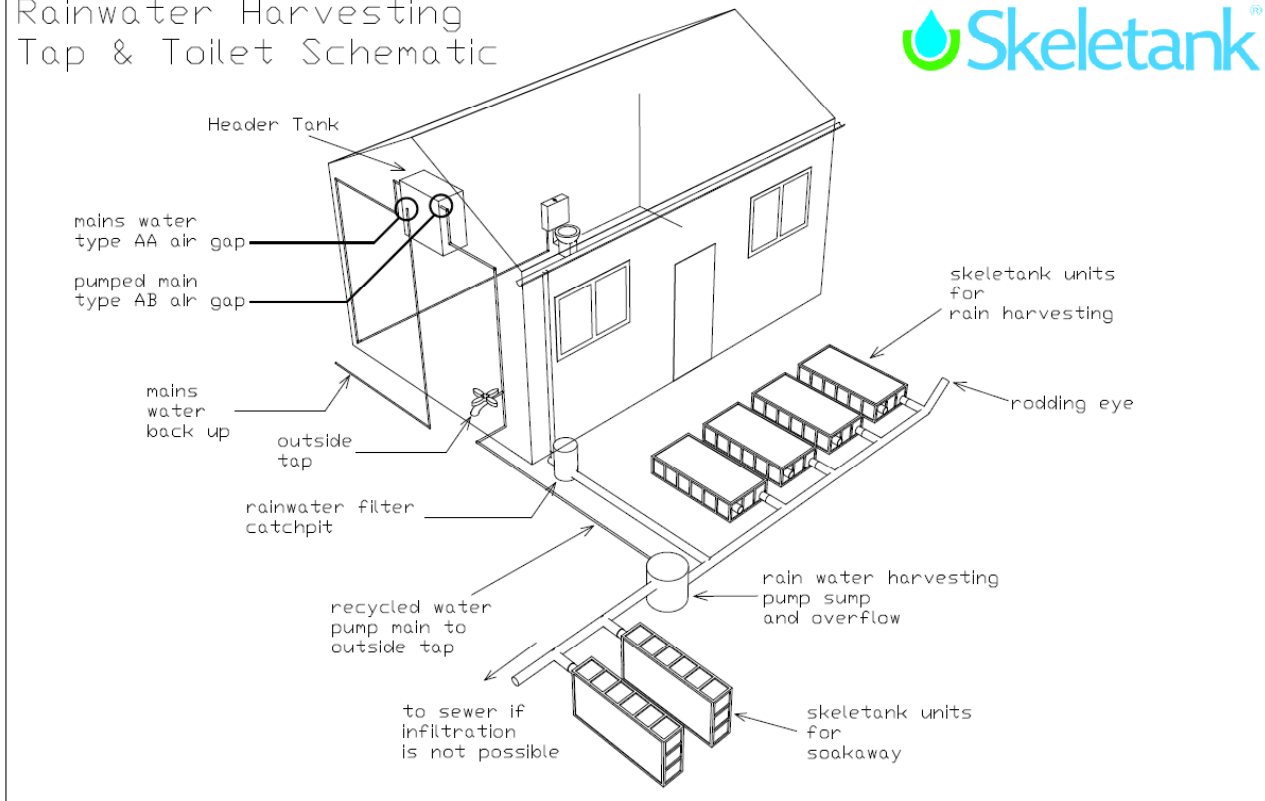
Skeletank
Rainwater Harvesting
Tap Only Schematic

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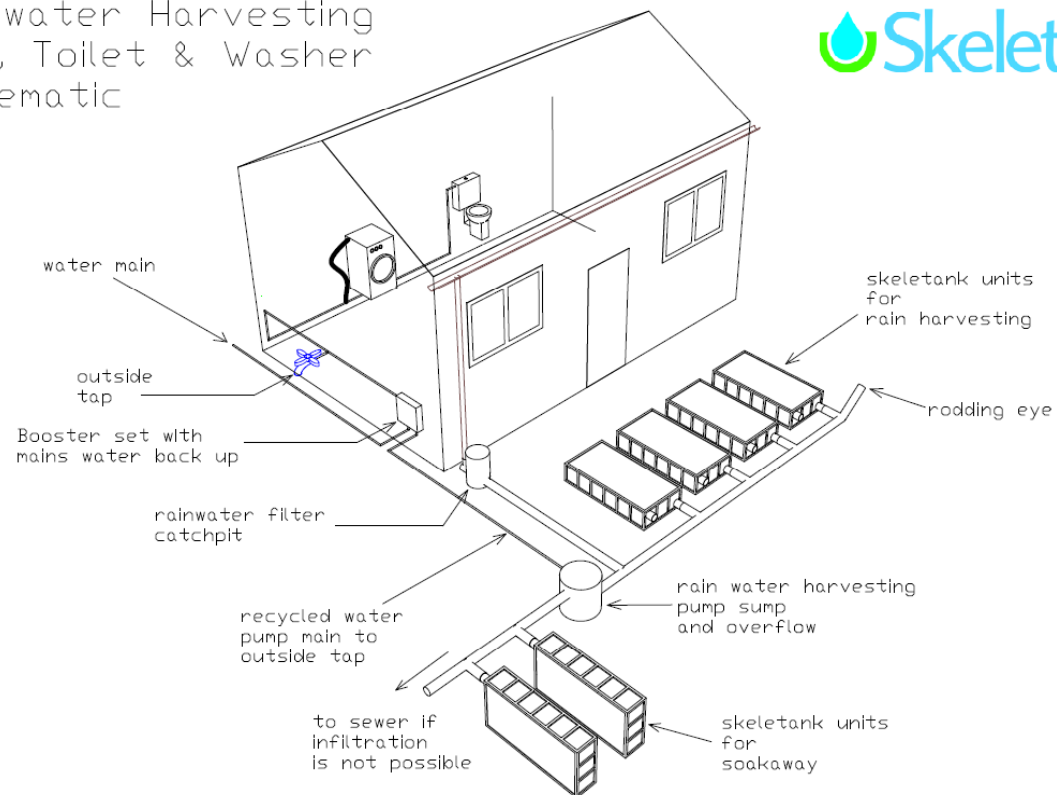
Skeletank
Rainwater Harvesting
Tap & Toilet Schematic

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Skeletank Rainwater Harvesting Tap, Toilet & Washer Schematic

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LEGISLATION & GUIDANCE

- Code for Sustainable Homes
- Building Regulations Part H
- BS 8515-2009 Rainwater harvesting systems – Code of practice
- Conditions of Planning (as a result of pps25)

WHY BUY?



Housebuilder

- Can be installed plot by plot
- Allows incremental capital outlay
- No large upfront investment
- Eases cash flow
- Satisfies current legislation and guidance
- Simple installation by Groundworker
- Health & safety– Shallow installation makes it safe

WHY BUY?



Homeowner

- Modular, can be installed to suit requirement or budget
- Can be added to
- Satisfies current legislation and guidance
- Simple installation
- Health & safety– Shallow installation makes it safe



OTHER APPLICATIONS - SOAKAWAY

Soakaways are one of the fundamental elements of sustainable drainage systems aka SuDS.

Soakaways are used to drain rainwater directly into the ground without connection to any mains drainage or sewerage pipes e.g. Rainwater downpipes.

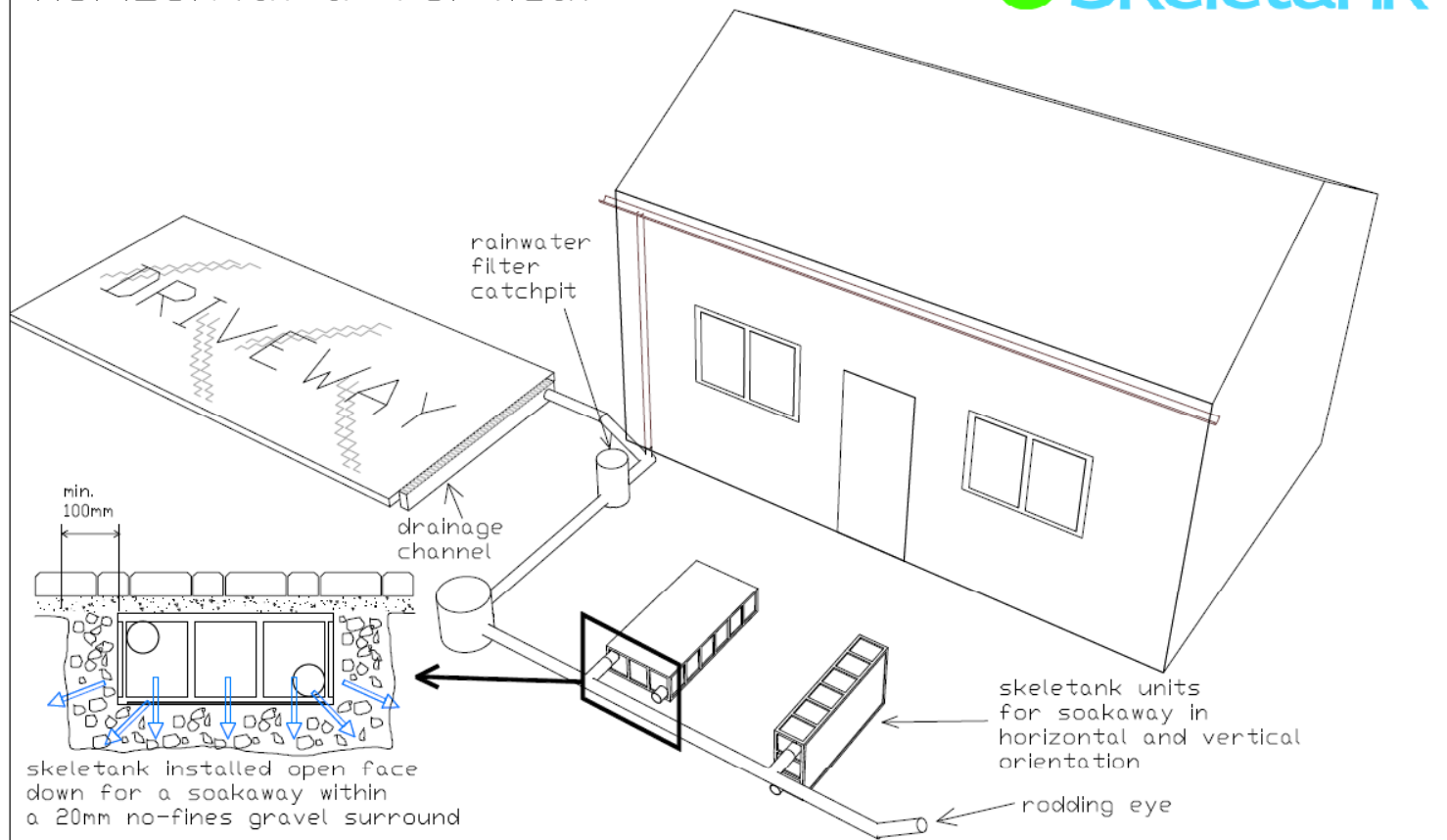
Skeletank® is the first proprietary “off-the-shelf” soakaway.

The Skeletank® is a highly efficient soakaway without the same risk of siltation as a gravel alternative.

The equivalent gravel alternative is 3 times the volume of a Skeletank®

Skeletank
Soakaway Schematic
Horizontal & Vertical

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OTHER APPLICATIONS – ATTENUATION

When it rains the Skeletank® allows the rainwater to be stored temporarily and to be released in a very slow controlled manor.

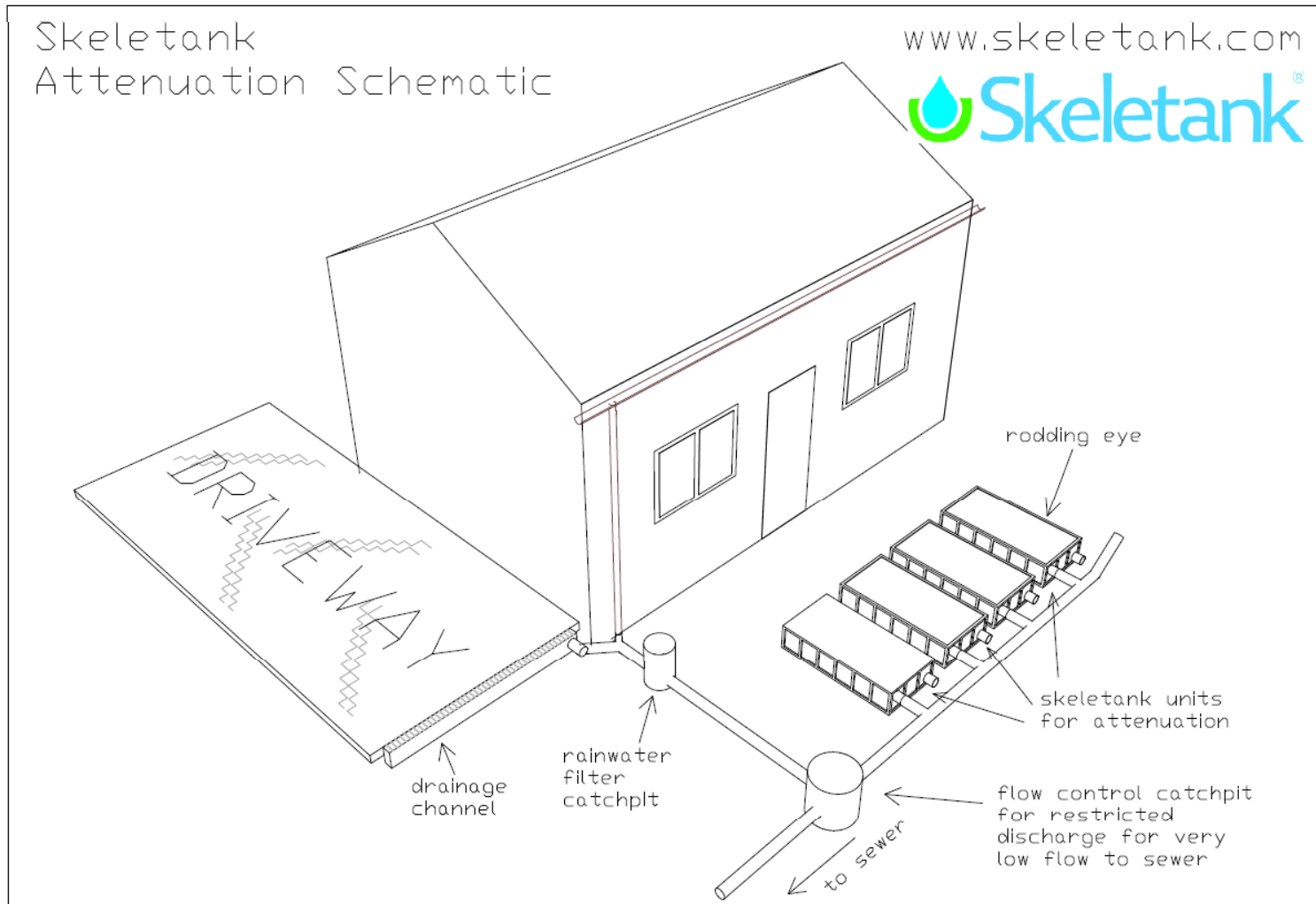
This system reduces the downstream flooding.

This philosophy is known as attenuation.

Attenuation can be used as part of a sustainable drainage system (SUDS) that is a planning condition prerequisite or a requirement of the buildings regulations Part H.

Skeletank
Attenuation Schematic

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OTHER APPLICATIONS – OIL DRIP TRAY



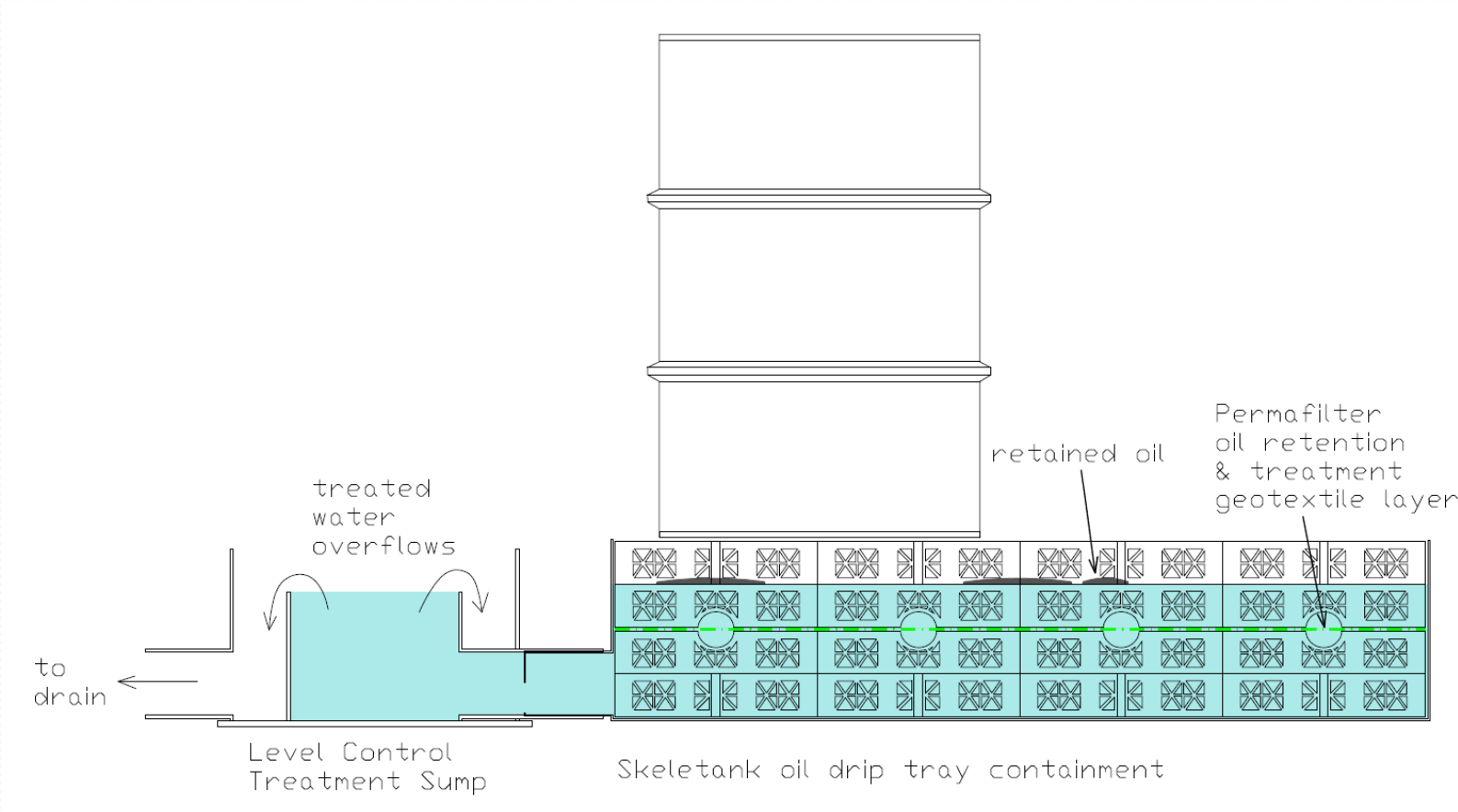
The Skeletank Oil Drip Tray (ODT) is a innovative new method to catch and retain oil drips and spillage.

The Skeletank® ODT is unique because it can retain oil but at the same time allow water to pass through to a local drain or soakaway

The Skeletank ODT should never overflow due to inclement weather.

There is also a secondary backup protection in the form of a Permafilter® oil retention and treatment geotextile layer.

It can be used for oil drum storage, refuelling of small plant such as generators and compressors or it can be constructed within a site refuelling compound to protect the environment and eliminate the need for regular tanker visits to remove trapped contaminated rainwater.



Thanks for Looking

Please contact us with
any Questions?