

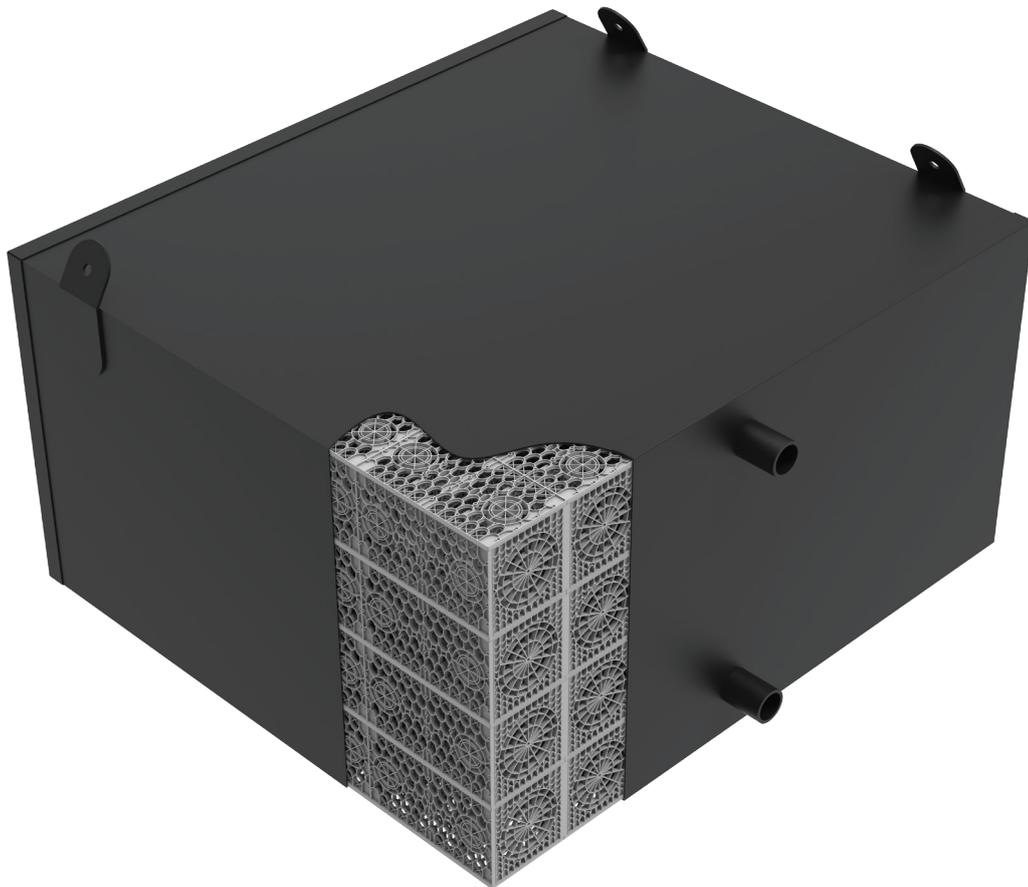


IDEAL TANK & SYSTEM SOLUTIONS



**Modular Strength that Fits.**

# STORMLITE<sup>3</sup> INSTALLATION GUIDELINES



Stormlite<sup>3</sup> Installation Guidelines April 2022

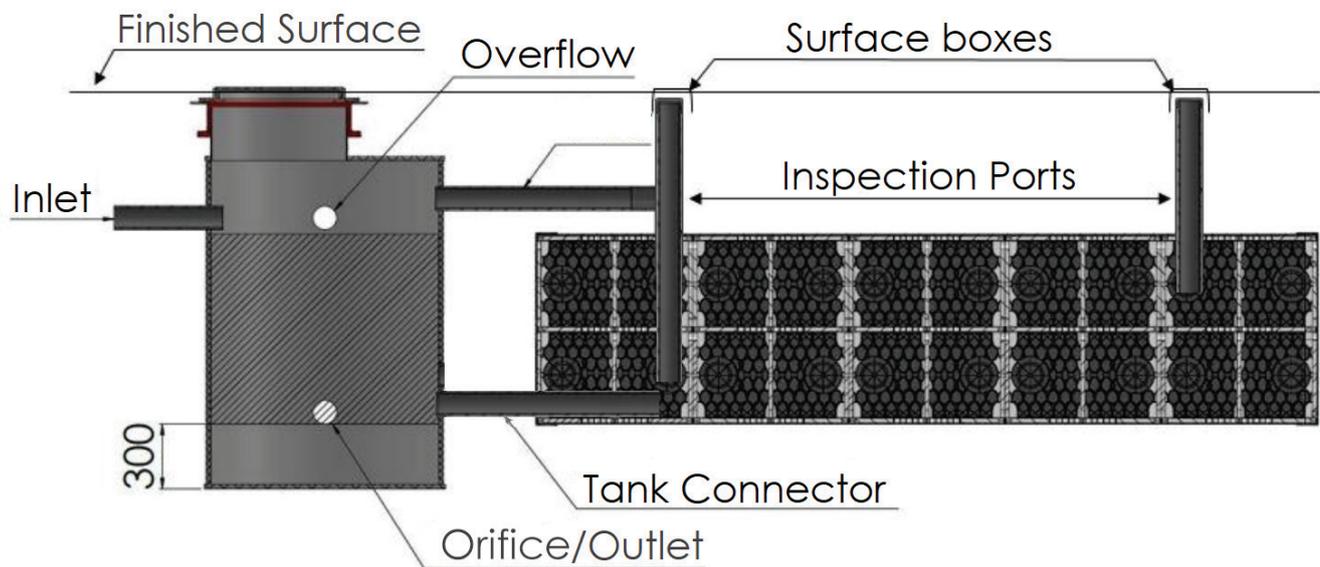
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## EXCAVATION

The excavation shall be deep enough to provide adequate cover to the StormLite<sup>3</sup> tank. Allow additional depth of excavation to permit 100mm-200mm of clean fill to be placed on the base of the excavation. Base of excavation shall be approximately 1000mm wider and 1000m longer than the proposed tank footprint to permit reasonable access for installation and compaction. Tank base must not be more than 3000mm (3m) below finished ground level.

## CONNECTION

Connect the StormLite<sup>3</sup> tank to a manhole or chamber as shown in the following illustration. The manhole or chamber is to act as a silt trap and house all inlets, the outlet and overflow.





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## COMPACTION

Base of excavation shall be smooth and compacted to 90% minimum dry density (MDD) or to the satisfaction of the Engineer. Backfill around the perimeter of the tank shall be compacted in 300mm layers to 90% MDD or to the satisfaction of the Engineer. Backfill over the top of the tank shall be compacted in 300mm layers to 90% MDD or to the satisfaction of the Engineer.

## BACKFILLING

Backfilling around the StormLite<sup>3</sup> tank shall be with clean free draining material, free of foreign debris and placed in 300mm layers around the perimeter of the tank. Backfilling over the tank shall be clean free draining material and placed in 300mm layers. A minimum backfill cover over the tank of 300mm shall apply to pedestrian and non-traffic areas. A minimum backfill cover of 600mm shall apply to trafficable areas. The maximum depth of cover over the tank shall not exceed 2000mm (2m). Tank base maximum depth 3000mm (3m). No vehicles or heavy machinery shall drive on top of tank until 600mm of compacted cover is achieved.

## BACKFILL MATERIAL

GAP10 or GAP20 to 300mm above the top of the StormLite<sup>3</sup> tank. GAP40 to GAP65 can be used once 300mm cover with compacted GAP10 or GAP20 is achieved.