

Cover Requirements

Pedestrian Loading: minimum top cover of 300mm (11.8")

Vehicle Loading: minimum cover 500mm (19.69") with geo-grid installed 300mm (11.8") above tank modules

Step 1



Excavation (to Engineering detail)

Step 2



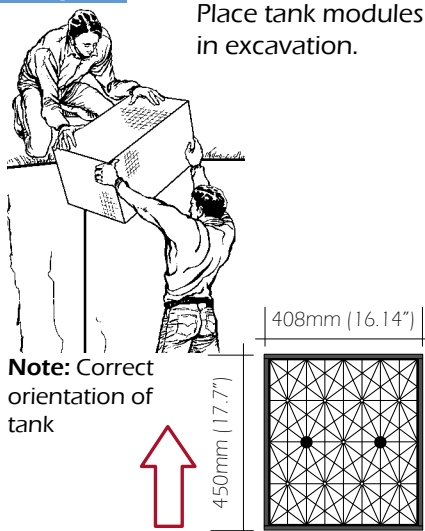
Utilize sand to level base of excavated area. Sand shall be compacted

Step 3



Lay geotextile (lay polypropylene liner if a Rainwater Tank is desired) along base and walls of excavated area.

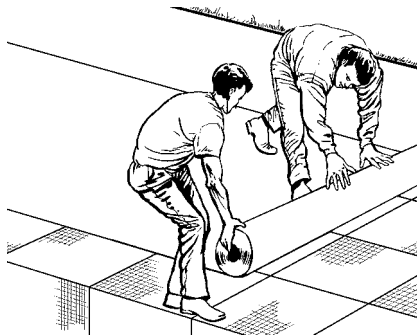
Step 4



Place tank modules in excavation.

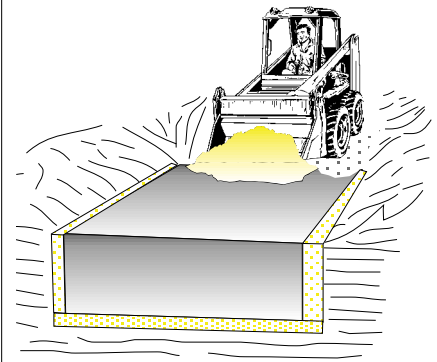
Note: Correct orientation of tank

Step 5



Tank shall be completely sealed
Cover tank modules with geotextile and seal joints with tape (100mm (1.18") minimum overlap)

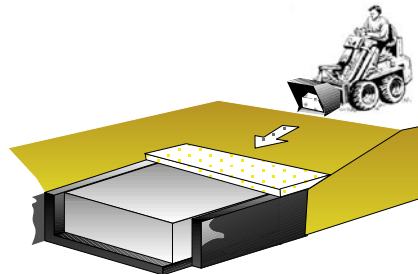
Step 6



Backfill all sides of one tank with sand, use a suitable lightweight equipment to compact it. **Backfill sand shall be free of any rocks, rubble or debris.**

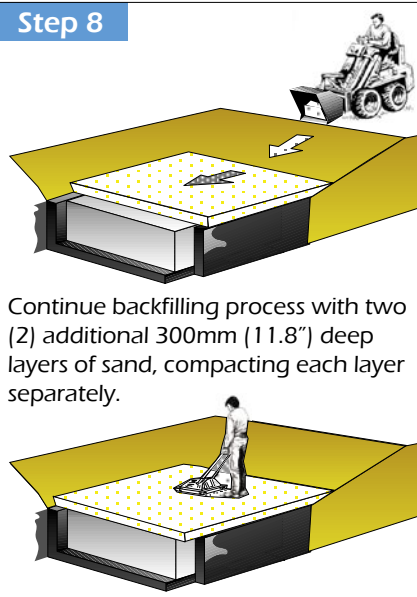
Step 7

Backfill procedure shall be done in stages.



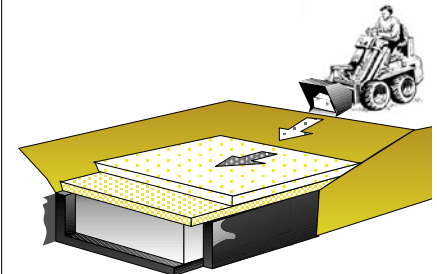
300mm (11.8") layer of sand shall be used to cover the top of the tank. Suitable lightweight equipment shall be used to compact each layer.

Step 8



Continue backfilling process with two (2) additional 300mm (11.8") deep layers of sand, compacting each layer separately.

Step 9



Complete backfilling with clean sand. **Atlantis Tank Modules can be covered with a maximum of three (3) metres (9.84ft) of sand.**

Notes: Atlantis[™] products are manufactured from high quality recycled materials, carefully selected and under strict quality control procedures. The strength could vary slightly due to raw material, country of manufacture, manufacturing process and external conditions.

Safety Factors: Engineers, designers and geotechnical engineers should design and calculate safety factors to a serviceable limited state to suit specific project. In case of doubt, consult your nearest distributor or Atlantis representative.

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