

# ECO-RAIN TANK BACKFILL AND COMPACTION EQUIPMENT

## NOTES:

- A. Excavator, dump truck, and equipment that exceeds weight restrictions shall remain clear of the excavation and Eco-Rain Tank structure.
- B. Place backfill carefully to avoid shoving or damage to tanks and geotextile fabric. Backfill on opposite sides of the structure at the same time, compacting material in 8 to 12-inch lifts with a Tamper Rammer, Vibratory Plate Compactor, Wacker Roller or similar equipment.
- C. Keep compactor equipment clear of tank structure and cover the side of the tank with a sheet of plywood to protect the fabric, tank (and liner if used) from the compactor. Move plywood sheet as the compactor moves to protect the side of the structure from the compactor.
- D. After sides are completely backfilled, place backfill material over top of structure — do not drop material vertically on the tank from a distance greater than **one foot**. Place a minimum of 12 inches of cover before driving equipment on top of structure to protect the Tank and fabric. Compact in 8 to 12-inch lifts as specified by a Soils Engineer, using low-pressure tire or tack vehicles, light-weight vibratory plate compactors, walk behind rollers or approved equipment.
- E. **Equipment shall not make turning movements on top of the Tank.**
- F. For parking lots or heavy-duty installations as specified by the Engineer, provide a layer of compacted fill over the structure, then place a layer of Eco-Rain 2" Drainage Cells or Biaxial Geogrid at least 12 inches below finished grade covering entire excavation (top of Tank plus 3-foot overlap of the structure, pinning the edges into solid ground). Place additional cover and compact with low-pressure tire or track vehicles, lightweight vibratory plates, walk-behind rollers, or approved equipment.
- G. **\*\*\*Do not use vibratory rolling compactors at any time.**



VIBRATORY PLATE COMPACTOR



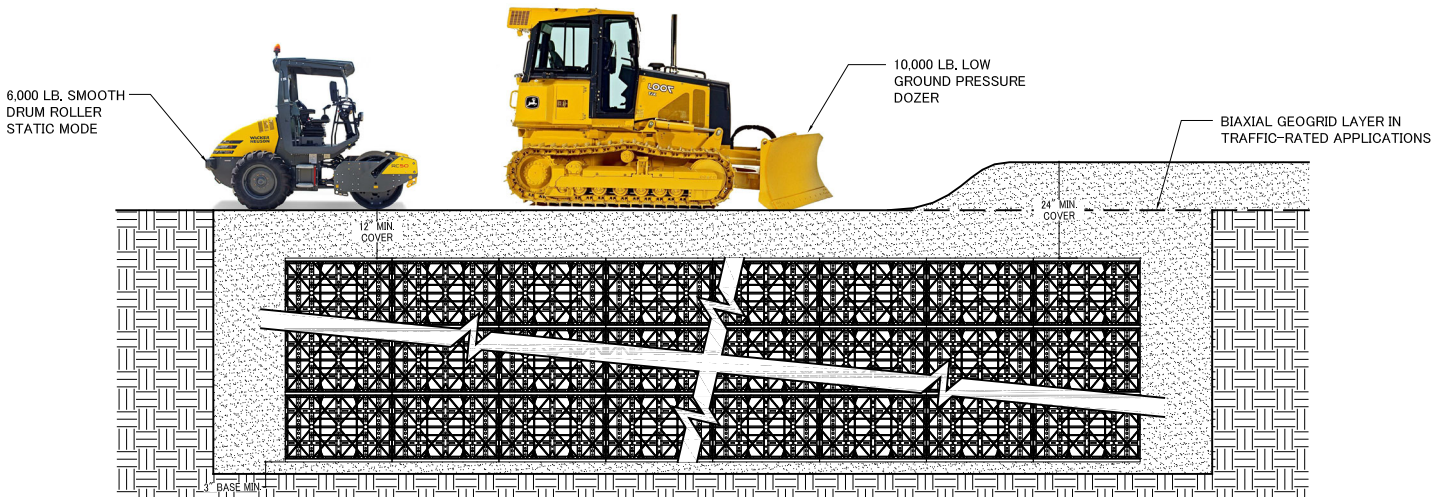
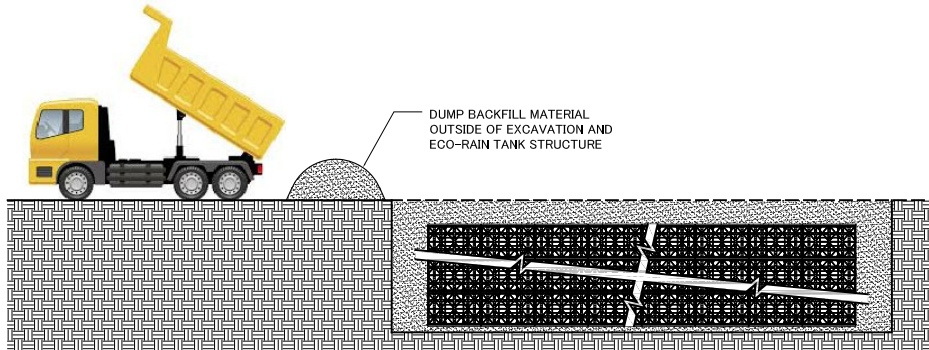
WACKER ROLLER



TAMPER RAMMER



SKID LOADER



## Eco-Rain Tank Systems

[www.ecoraintank.com](http://www.ecoraintank.com)

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Eco-Rain Products & Systems are worldwide patent pending & design registered



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