R-Tank Modular Storage: High Efficiency Infiltration Bed for Auto Retail

Modular Versatility & Minimum Excavation
For Maximum Storage & Footprint Efficiency
R-Tank modules were delivered assembled and palletized.

After excavation and stone base placement, pallets are staged for final placement.
Modular Versatility: Depth & Storage

R-Tank Modules can be constructed to a wide variety of depths. To take maximum advantage of the depth and footprint of this site, a single + mini (1.5) combination module was used.

Height = 25.98”
Storage Volume = 6.33cf

Standard R-Tank Modules:
• Depth = 9.45” to 83.46”
• Storage = 2.30 cf to 20.34

CLICK HERE FOR R-TANK PRODUCT OVERVIEW
Assembled R-Tank Modules are easily placed without the need for heavy (or even light) equipment, a couple of laborers with a hand truck did the job!
Structural Stability – R-Tank Provides:

#1: Eliminates Low Void Space and Compaction Issues.
#2: Stability for Lateral and Vertical Pressures.
#3: Easy To Calculate and Fit in Excavated Area.
Placement of the assembled R-Tank modules continues.

Typical R-Tank Infiltration Design
After all R-Tank modules are placed the entire system is encapsulated with a woven monofilament geotextile.

Typical R-Tank Infiltration Design
Some of the R-Tank Modules were pre-assembled to accommodate utility ports.
A key aspect of any R-Tank project is proper placement and compaction of the backfill around and on top of the system.

Minimum Fills:
- Min 20” Cover
- 24” Perimeter
- 3” Base
Cover Profile is Built Above the R-Tank System up to Final Grade
R-Tank Modular Storage Provides High Efficiency Infiltration Bed for Auto Retail Lot
ACF’s Engineering Team can provide project specific support or you can access the tools below:

- Specifications
- Load Support Documentation
- CAD Details
- Pre-treatment Options
- Inspection Guidelines
- Maintenance Support Kit
- Installation & Maintenance Manuals
- Project Pictorials & Case Studies