Rainstore3 Harvesting System

Long term water storage for irrigation, fire-protection, non-potable applications or others

40 mil (1mm) or greater PVC impermeable liner encasing Rainstore3 structure. Seams sealed per manufactures' recommendations.

Two layers of 8 oz/sq-yd (271 g/sq-meter) min. geotextile filter fabric encasing Rainstore3 Structure.

Structural backfill compacted to at least 90% relative density in 12 inch maximum lifts.

Backfill compacted to 95% modified proctor density. 12" (0.3 m) minimum, 36" (0.9 m) maximum depth.

Inlet to Rainstore3. Water must be thoroughly filtered prior to entering structure.

Liner formed in a "boot" and two non-corrosive hose-clamps used to seal liner to pipe.

Utility markers. Use metallic tape at top corners of install to mark the area for future utility detection.

Surfacing (porous paving, paving, recreation, landscaping, etc.)