**RAINSTORE3 Harvesting System**

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

- Liner formed in a "boot" and two non-corrosive hose-clamps used to seal liner to pipe.
- 40 mil (1mm) or greater PVC impermeable liner encasing Rainstore3 structure. Seams sealed per manufactures' recommendations.
- Structural backfill compacted to at least 95% relative density in 12 inch maximum lifts.
- Overflow pipe, if necessary, leading to other stormwater facility.
- Excavation line.

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

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

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

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

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

**Two layers of 8 oz/sq-yd min. (271 g/sq meter) geotextile filter fabric, placed outside and inside of geomembrane, between the Rainstore3 structure, geomembrane and backfill.**

**Geogrid (Tensar BX1200 or equiv.) placed on Rainstore3 units and inside fabric/liner.**

**Rainstore3 structure.**

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

20" (.5 m) minimum to allow space for proper compaction.

**Pipe leading to suitable pump station (by others).**

**NOT TO SCALE**

**Geogrid (Tensar BX1200 or equiv.)**

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