8 oz/sq-yd (271 g/sq-meter) min. non-woven geotextile filter fabric encasing Rainstore3 structure. Proper fabric pore size chosen to prevent backfill from entering chamber. Backfill compacted to 95% modified proctor density. 12" (0.3 m) minimum, 36" (0.9 m) maximum depth. 40" (1.0 m) geogrid overlap. Geogrid (Tensar TriX 160 or equiv.) exterior of fabric. Geogrid (Tensar TriX 160 or equiv.) interior of fabric. 8 oz/sq-yd (271 g/sq-meter) min. non-woven geotextile filter fabric encasing Rainstore3 structure. Proper fabric pore size chosen to prevent backfill from entering chamber. Excavation line. Suitable structural backfill compacted to 95% modified proctor density. 20" (0.5 m) minimum to allow space for proper compaction. Graspave2 or Gravelpave2 porous paving

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

Non-corrosive hose clamp used to fasten liner to pipes to prevent backfill from entering structure.

Detention outflow pipe if necessary. Sized for desired flow rate. Location near inflow allows suspended solids to exit before settling.

Geogrid (Tensar TriX 160 or equiv.)

Grasspave2 or Gravelpave2 porous paving

Geogrid (Tensar TriX 160 or equiv.)

Porous Paving Inflow Method

Eliminates structural inlets and provides thorough filtration