





## Visit one....pre-BSM placement Certify native/existing soils comparable to design specs. TESC correctly installed. Rough grading to plans. Under-drain(s) and overflow. Field changes...process should have been covered at pre-construction. Photo documentation?





### Construction sequencing likely the most critical process for successful installation Decision pathways 1. Site flat or sloping away from facility likely ok to: Complete bioretention area with roads, utilities and storm infrastructure. Install conventional TESC and barriers.

# Construction sequencing likely the most critical process for successful installation Decision pathways Lead or sloping away from similarly ok to: Lead of the successful installation Decision pathways Lead or sloping away from similarly ok to: Lead of the successful installation Decision pathways Little of the successful installation area similarly ok to: Lead of the successful installation Lead of the successful installation Decision pathways Little of the successful installation Lead of the successful installation Decision pathways Little of the successful installation Lead of th



### **Construction sequencing likely the most critical** process for successful installation



Construction activity sloping to bioretention facility

- 1. Without under-drain
- Delineate or partially grade to define facility. Keep construction traffic off area.
- Install TESC and stabilize upslope construction area as best as possible.
- If flows allowed through facility, leave at least 6" above final grade. Line or mulch? Keep construction traffic off area.

### **Construction sequencing likely the most critical** process for successful installation



Construction activity sloping to bioretention facility

- 2. With under-drain

- If possible leave rest of facility at least 6" above grade.

  Install TESC and stabilize upslope construction area as best as possible.
- If flows allowed through facility, leave or backfill at least 6" above final grade. Cover under-drain with plastic and fabric. Line or mulch whole facility? Keep construction traffic of area.

### Construction sequencing likely the most critical process for successful installation



Partial excavation and completion of facility after homes finished and landscaping stabilized requires clear agreement among developer, homebuilder and jurisdiction.

Inspection and verification



