

Rain Garden Installation Methods



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Presentation Outline



Construction Sequence

- Excavation and Site Grading
- Installation of Inflow Entrances and Outlets
- Backfilling with Amended Soils
- Planting Techniques
- Finishing
- Special Considerations

Before you begin...



💧 Verify utility markings



💧 Install temporary sediment control BMPs as necessary

Excavation and Site Grading

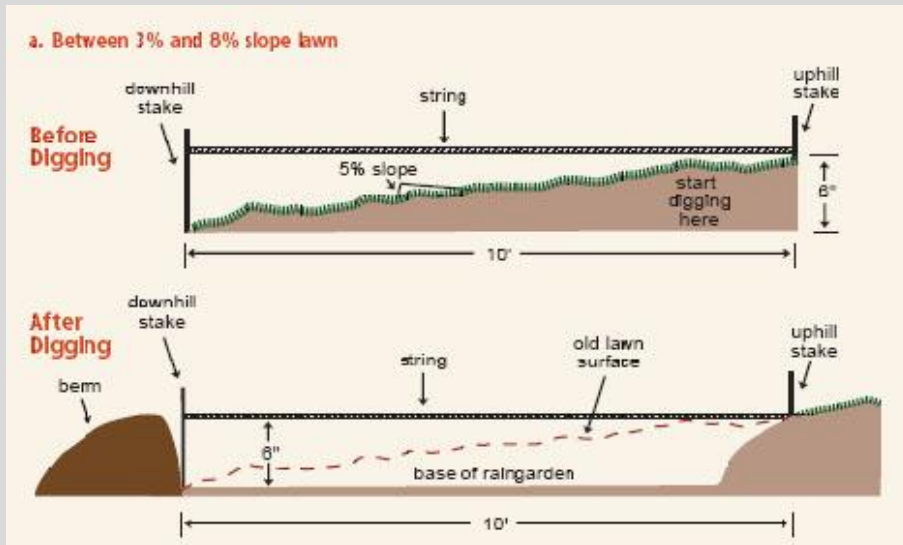


- Excavate to design depth (often about 12-24")



- Minimize site disturbance and soil compaction

Excavation and Site Grading



Use excavated soils to create berms

Scarify base of garden

Installing of Inflow Entrances and Outlets



Simple downspout disconnect



Buried tubing

Installing of Inflow Entrances and Outlets



💧 Trench drain curb opening



💧 Trench drain to pipe

Installing of Inflow Entrances and Outlets



💧 Adjust to ensure elevations are correct

Installing of Inflow Entrances and Outlets



Install underdrain and outlets as per plan

Installing of Inflow Entrances and Outlets



💧 Catch basin overflow



💧 Stand pipe overflow

Preparing Soils

Most rain garden soils include:

- 50% grit or sharp sand
- 20-30% topsoil (may use excavated topsoil)
- 20-30% organic compost

Backfilling with Amended Soil



- Double check all elevations, lightly tamp if necessary

Install Stone for dissipating flows



Planting



💧 Plant according to planting plan



💧 Practice good planting techniques

Finishing



💧 Double shredded hardwood mulch is great for public gardens



💧 Water!

Thank you



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