

Typical Use

- Bioswales have flexible siting requirements and can be integrated with medians, cul-de-sacs, bulb outs, and other public space or traffic calming measure.

Design Features

- Bioswales require appropriate media composition for soil construction. The soil mixture should consist of 5% maximum clay content.
- 5-foot minimum clearance is required from the bottom of the bioswale to high groundwater table.

Further Considerations

Advantages

- Increases green vegetation throughout complete streets.
- Prevents drainage issues and flooding.

Disadvantages

- Needs to be maintained.

Materials & Maintenance

Bioswales should be composed of diverse, native vegetation and irrigation requirements.



Streetscaping and Green Infrastructure

Bioswales

Bioswales are vegetated, shallow, landscaped depressions designed to capture, treat, and infiltrate stormwater runoff as it moves downstream. Bioswales are the most effective type of green infrastructure facility in slowing runoff velocity and cleansing water while recharging the underlying groundwater table.

