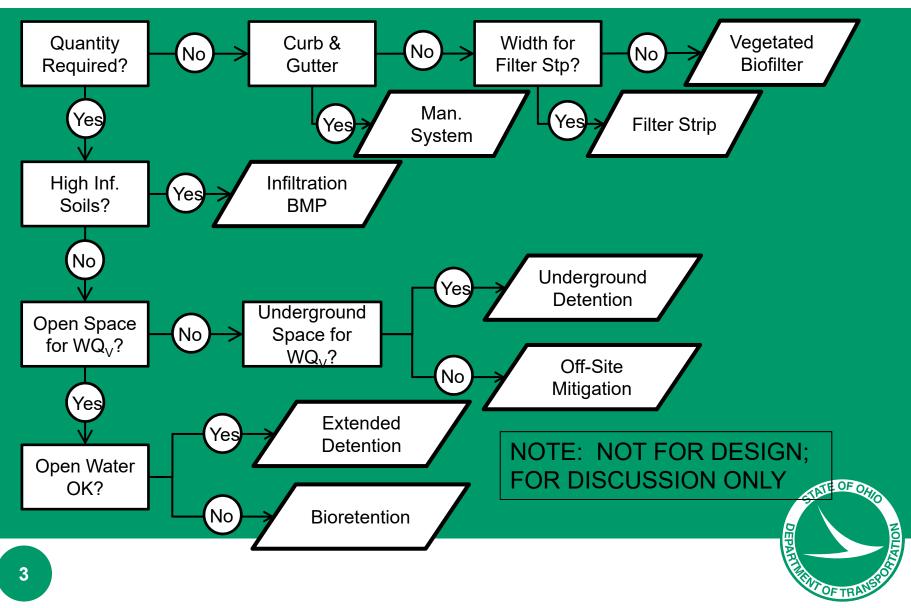


#### BMPs in ODOT's L&D Vol. 2

Source	BMP Name	Category	Quality	Quantity
ODOT Quality Only	Manufactured System	Flow Through	Х	
	Vegetated Biofilter	Flow Through	Х	
	Vegetated Filter Strip	Flow Through	Х	
ODOT Quality and Quantity	Extended Detention Basin	Detention	Х	Х
	Retention Basin	Detention	Х	Х
	Bioretention Cell	Bioretention	Х	Х
	Infiltration Trench	Infiltration	Х	Х
	Infiltration Basin	Infiltration	Х	Х
	Constructed Wetland	Detention	Х	Х
ODOT Quantity Only	Underground Detention	Detention		Х
	Stream Grade Control	(Other)		Х





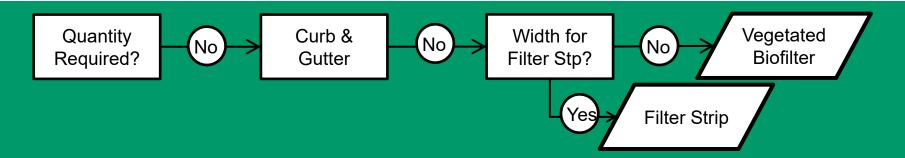
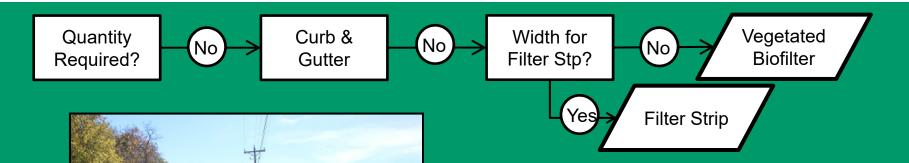


Table 1117-3				
Maximum Pavement Width (ft.)	Slope (H:V)	Filter Strip Width (ft. minimum)		
22	3:1 and flatter	15		
24	3:1 and flatter	17		
26	3:1 and flatter	18.5		
28	3:1 and flatter	20.5		
30	3:1 and flatter	22		
32	3:1 and flatter	24		
34	3:1 and flatter	25		
48	6:1 and flatter	25		

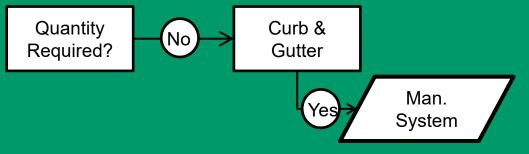
- First choice if they work
- Cheapest BMPs
- Easy to maintain
  - Mow
  - Keep grass alive
  - Prevent erosion
- Linear BMPs
- Quality treatment only





- First choice if they work
- Cheapest BMPs
- Easy to maintain
  - Mow
  - Keep grass alive
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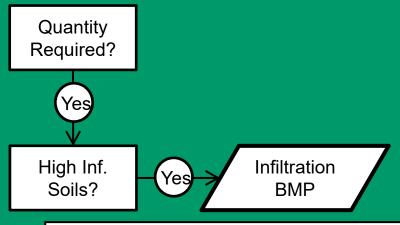


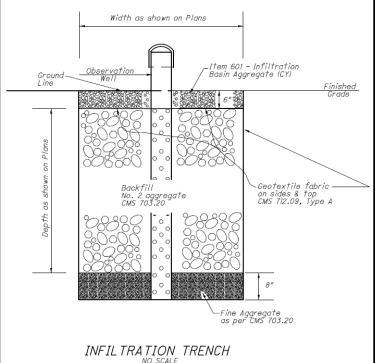




- Flow-Through BMP
- Small Footprint
- Quality treatment only
- Frequent Maintenance
  - (Vac truck 4 12 months)
- Limit: 6 cfs

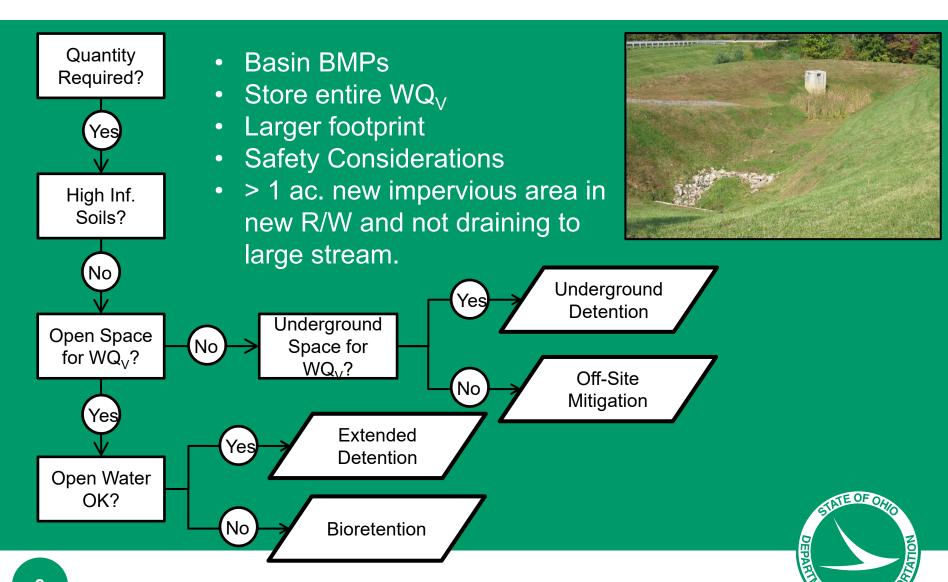


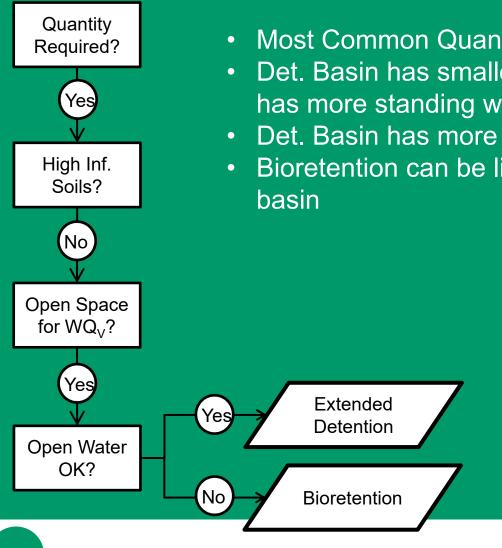




- High infiltration (0.5 2.4 in/hr)
- HSG A or B soil
- Pretreatment Necessary
- Groundwater Protection
- Few areas with HSG A or B soils
- Infiltration testing recommended





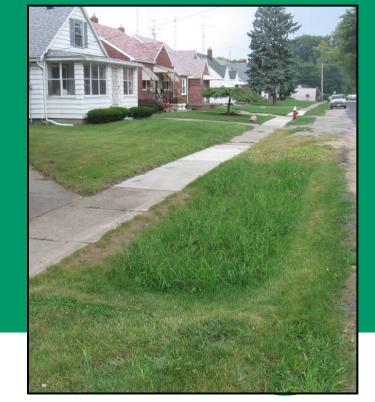


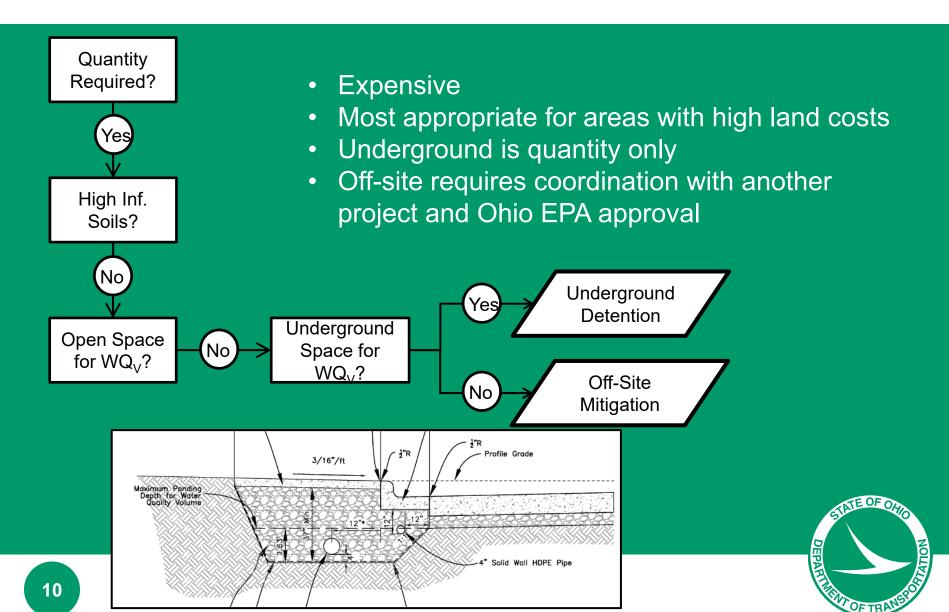
Most Common Quantity Treatment

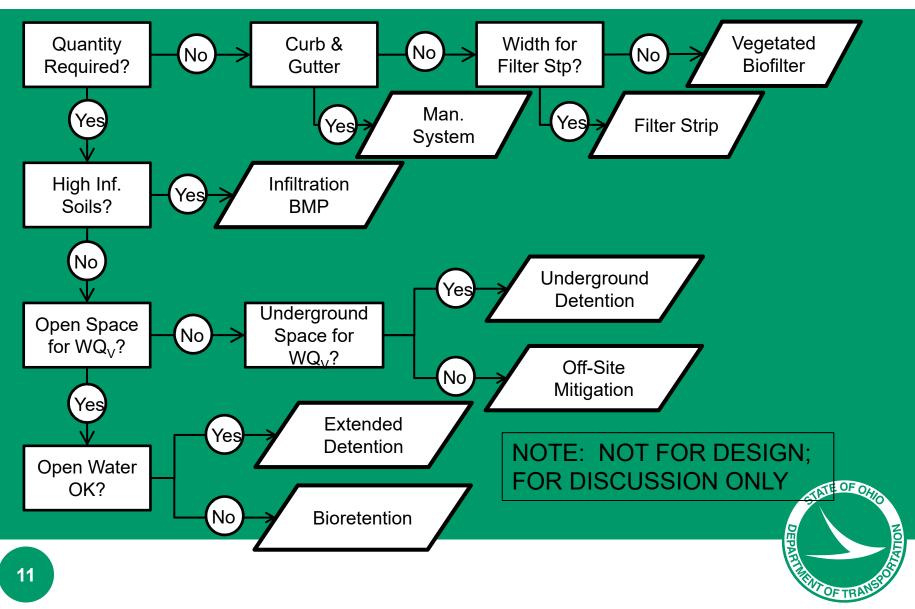
Det. Basin has smaller footprint but has more standing water

Det. Basin has more safety issues

Bioretention can be linear (trench) or





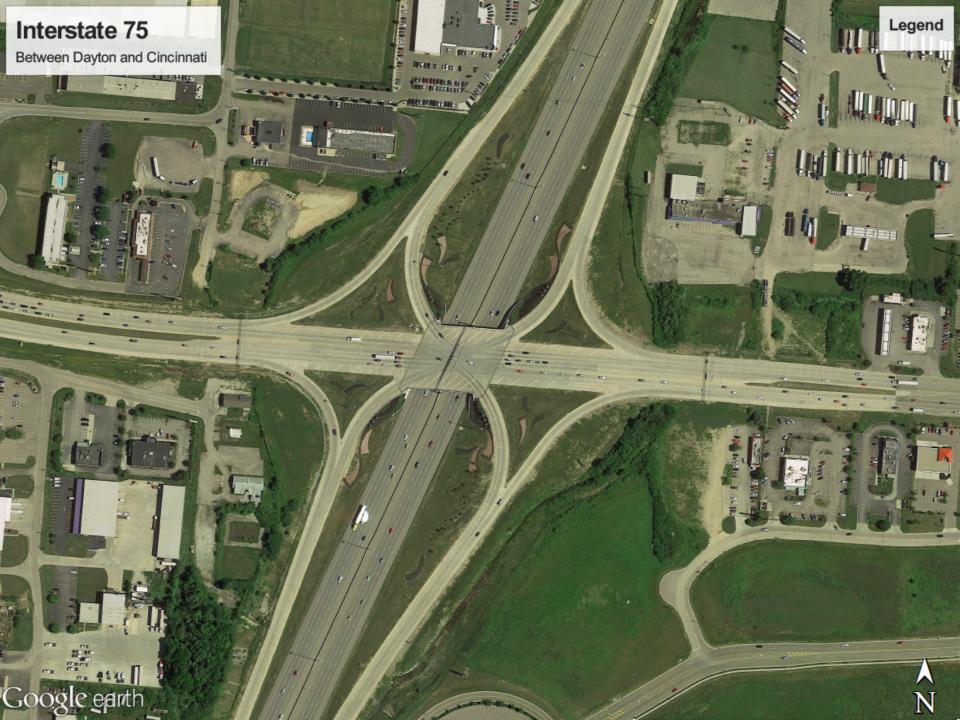


### **BMP Siting**

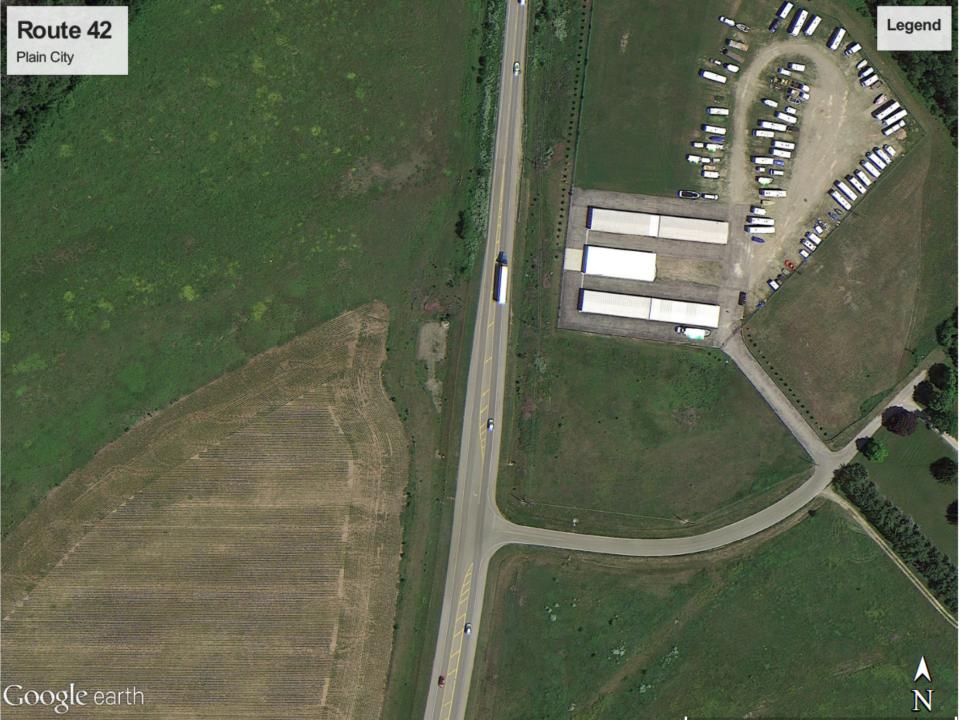
Discuss Potential BMP Sites

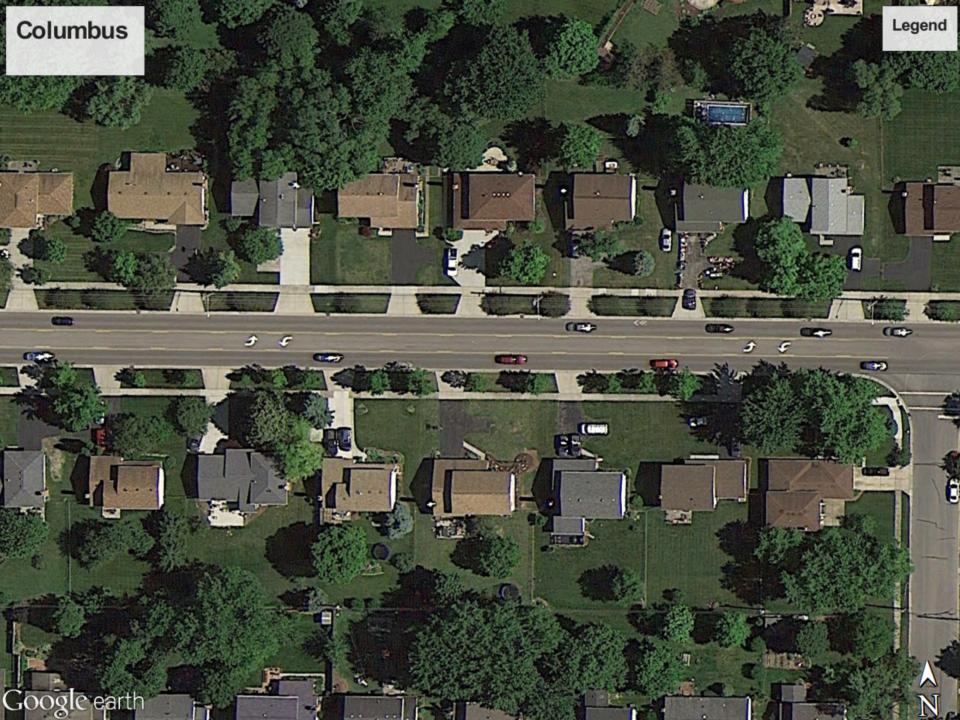














### **BMP Siting**

- Look for green space
- Intersections and interchanges
- Grass ditches (vegetated biofilters)
- Linear bioretention
- Don't have to treat 100%
- Manufactured systems
- Off-site mitigation



# **Questions?**

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