

**Table III-7-F: Available Site Design,
Source Control and Treatment Control BMPs**

1. Where landscaping is proposed, drain rooftops into adjacent landscaping prior to discharging to the storm drain.
2. Where landscaping is proposed, drain impervious sidewalks, walkways, trails and patios into adjacent landscaping.
3. Increase the use of vegetated drainage swales in lieu of underground piping or imperviously lined swales.
4. Use one or more of the following: <ul style="list-style-type: none"> - Rural swale system: street sheet flows to vegetated swale or gravel shoulder, curbs at street corners, culverts under driveways and street crossings; - Urban curb/swale system; street slopes to curb; periodic swale inlets drain to vegetated swale/biofilter; - Dual drainage system: First flush captured in street catch basins and discharged to adjacent vegetated swale or gravel shoulder, high flows connect directly to municipal storm drain systems; - Other comparable design concepts that are equally effective.
5. Use one or more of the following features for design of driveways and private residential parking areas: <ul style="list-style-type: none"> - Design driveways with shared access, flared (single lane at street) or wheel strips (paving only under tires); or, drain into landscaping prior to discharging to the municipal storm drain system; - Uncovered temporary or guest parking on private residential lots may be paved with a permeable surface; or designed to drain into landscaping prior to discharging to the municipal storm drain system; - Other comparable design concepts that are equally effective.
6. Use one or more of the following design concepts for the design of parking areas: <ul style="list-style-type: none"> - Where landscaping is proposed in parking areas, incorporate swaled (depressed) landscape areas into the drainage design or utilize vegetated infiltration trenches between opposing parking stalls; - Overflow parking (parking stalls provided in excess of the Agency's minimum parking requirements) may be constructed with permeable paving; - Other comparable design concepts that are equally effective.

Table III-7-G: Available Site Design, Source Control and Treatment Control BMPs

TREATMENT CONTROL BMPs	TARGETED CONSTITUENTS	REMOVAL EFFECTIVENESS
Volume Based		
Extended Detention Basin (TC-22)	Sediments	M
	Nutrients	L
	Trash	H
	Metals	M
	Bacteria	M
	Oil and Grease	M
	Organics	M
Infiltration Trench (TC-10)	Sediments	H
	Nutrients	H
	Trash	H
	Metals	H
	Bacteria	H
	Oil and Grease	H
	Organics	H
Infiltration Basin (TC-11)	Sediments	H
	Nutrients	H
	Trash	H
	Metals	H
	Bacteria	H
	Oil and Grease	H
	Organics	H
Retention/Irrigation (TC-12)	Sediments	H
	Nutrients	H
	Trash	H
	Metals	H
	Bacteria	H
	Oil and Grease	H
	Organics	H
Wet Pond (TC-20)	Sediments	H
	Nutrients	M
	Trash	H
	Metals	H
	Bacteria	H
	Oil and Grease	H
	Organics	H
Constructed Wetland (TC-21)	Sediments	H
	Nutrients	M
	Trash	H
	Metals	H
	Bacteria	H
	Oil and Grease	H
	Organics	H

Table III-7-G: Available Site Design, Source Control and Treatment Control BMPs

TREATMENT CONTROL BMPs	TARGETED CONSTITUENTS	REMOVAL EFFECTIVENESS
Volume Based		
Media Filter	Sediments	Variable
	Nutrients	Variable
	Trash	Variable
	Metals	Variable
	Bacteria	Variable
	Oil and Grease	Variable
	Organics	Variable
Manufactured Proprietary Devices (MP Series)	Sediments	Variable
	Nutrients	Variable
	Trash	Variable
	Metals	Variable
	Bacteria	Variable
	Oil and Grease	Variable
	Organics	Variable
Flow Based		
Vegetated Swale (TC-30)	Sediments	M
	Nutrients	L
	Trash	L
	Metals	M
	Bacteria	L
	Oil and Grease	M
	Organics	M
Vegetated Buffer Strips (TC-31)	Sediments	H
	Nutrients	L
	Trash	M
	Metals	H
	Bacteria	L
	Oil and Grease	H
	Organics	M
Bioretention (TC-32)	Sediments	H
	Nutrients	M
	Trash	H
	Metals	H
	Bacteria	H
	Oil and Grease	H
	Organics	H
Multiple Systems (TC-60)	Sediments	H
	Nutrients	L
	Trash	H
	Metals	H
	Bacteria	M
	Oil and Grease	H
	Organics	H

Table III-7-G: Available Site Design, Source Control and Treatment Control BMPs

TREATMENT CONTROL BMPs	TARGETED CONSTITUENTS	REMOVAL EFFECTIVENESS
Volume Based		
Manufactured Proprietary Devices (MP Series)	Sediments	Variable
	Nutrients	Variable
	Trash	Variable
	Metals	Variable
	Bacteria	Variable
	Oil and Grease	Variable
	Organics	Variable
SOURCE CONTROL BMPs	DESIGN OBJECTIVES	
Routine Structural BMPs		
Site Design & Landscape Planning (SD-10)	Maximize Infiltration	
	Provide Retention	
	Slow Runoff	
	Minimize Impervious Land Coverage	
Roof Runoff Controls (SD-11)	Maximize Infiltration	
	Provide Retention	
	Slow Runoff	
	Contain Pollutants	
Efficient Irrigation (SD-12)	Maximize Infiltration	
	Provide Retention	
	Slow Runoff	
Storm Drain Signage (SD-13)	Prohibit Dumping of Improper Materials	
Trash Storage Area (SD-32)	Contain Pollutants	
Pervious Pavements (SD-20)	Maximize Infiltration	
	Provide Retention	
	Slow Runoff	
	Minimize Impervious Land Coverage	
Alternative Building Materials (SD-21)	Maximize Infiltration	
	Provide Retention	
	Source Control	
Hillside Landscaping		
Protect Slopes and Channels		
Trash Inlet Racks		
Energy Dissipaters		
Routine Non-Structural BMPs		
Activity Restrictions		

Table III-7-G: Available Site Design, Source Control and Treatment Control BMPs

TREATMENT CONTROL BMPs	TARGETED CONSTITUENTS	REMOVAL EFFECTIVENESS
Volume Based		
Spill Contingency Plan		
Employee Training/ Education Program		
Street Sweeping Private Street and Parking Lots		
Common Area Catch Basin Inspection		
Education of Property Owners		