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PUBLIC WORKS DEPARTMENT

Modification of or Addition to Improvement Standards and Details

Modification Number:

Effective Date of Change: May 18, 2006

Modification:

The following modifications affect Section 11 of the Improvement Standards, June 1, 1999 issued by the County of Sacramento, Public Works Agency.

- Change SECTION 11 title to read "Stormwater Quality Protection"
- Add Part I titled "Erosion and Sediment Control", Sections 11-1 to 11-16 to remain as currently is.
- Add Part II titled "Permanent Stormwater Quality Control Measures"
- Re-number Section 11-17 to Section 11-25
- Add Sections 11-20 to 11-23 and 11-25 under Part II as follows
 - o 11-20 Required Measures
 - All new development and significant redevelopment projects falling within the priority project categories as defined in the Development Standards Plan (DSP), approved by the Regional Water Quality Control Board in May, 2005, are required to implement storm water quality control measure(s) to reduce pollutant discharges. Acceptable control measures are listed along with the priority projects in the" Selection Matrix for Priority Project Categories" (Matrix), attached, posted and updated on http://www.sacramentostormwater.org/SSQP/development.asp
 - 11-21 Priority Project Categories
 Priority project categories are those types of facilities that have a greater potential of negatively impacting runoff quality. These categories are specifically identified in the City's MS4 permit and are listed in the attached Matrix.
 - o 11-22 Types of Control Measures

 The type of Control measures applicable on the above priority projects varies
 depending on the need. Some are Source Control, which mainly prevent pollutants
 from contacting site runoff at the source; Runoff Reduction, which reduce volume of
 runoff discharged from the site; and Treatment Control, which remove or reduce
 pollutants that have been entrained in runoff already.
 - o 11-23 Selection Matrix
 The attached Matrix, lists the Priority Project Categories and the applicable Control
 Measures. For a typical priority project, all applicable Source Control Measures are
 generally required. Chose of one or more of the Treatment Control Measures to
 satisfy the treatment requirements. Runoff Reduction Measures are optional and used
 some time as treatment credit.

Modification (Continue):

- O 11-24 Design of Control Measures Specific design of a control measure will conform to the "Guidance Manual for On-Site Stormwater Quality Control Measures' (January 2000) and its replacement the "Stormwater Quality Design Manual". Any deviation from the above requires the written approval of the City Engineer.
- Ownership of Control Measures Ownership of Control Measures serving multiple parcels will generally be located in the public right-of-way and will be publicly-owned, ownership of Control Measures serving one parcel or facility will generally be located on the privately owned parcel and remain privately-owned and maintained.

Effect of Modification:

Achieve compliance with the City-wide National Pollution Discharge Elimination System (NPDES) Permit # CAS082597 requirements, and the DSP approved by the RWQCB on May 18, 2005.

ATTACHMENTS:

1. Selection Matrix for Priority Project Categories.

Request for Modification Initiated By:

Modification Reviewed for Conformity and Consistency to Standards:

Modification to Improvement Standards Approved:

Supervising Engineer, Water Resources Date

Manager – Development Engineering Date

Stormwater Quality Standards for Development Projects Selection Matrix for Priority Project Categories

For Agencies in Sacramento County: Effective May 18, 2006

		Res	ide	ntial		Commercial/Industrial									
Priority Project Category	Single Family Residential (4)	≥ 10 lots, < 20 acres	> 20 acres	Multi-family Residential ≥ 1 acre	Commercial Developments	impervious area≥ 1 acre	Auto Repair Shops impervious area ≥ 1 acre	Retail Gasoline Outlets impervious area≥ 1 acre	Restaurants	(b)	impervious area ≥ 1 acre	Hillside Developments	≥ 25% slope	Parking lots ^(e) ≥ 5,000 sf or 25 spaces	Streets/Roads ^(d) impervious area ≥ 5 acre
Source Controls		✓	V	/	7.	1	. 🗸	V	¥		✓		1	· /	1
Storm Drain Message and Signage		1	~	✓		/	✓	✓	_		✓		✓	✓	✓
Fueling Areas		NA	NA	NA	,	/	*	✓	_		✓		(e)	NA	NA
Loading/Unloading Areas		NA.	NA	. NA		/	~	4	_		✓		(e)	NA	NA
Outdoor Storage Areas		NA	NA	NA.	,	<u> </u>	· ·	✓			✓	1	(e)	NA NA	NA
Outdoor Work Areas		NA	NA	NA.		<u> </u>					✓		(e)	NA	NA
Vehicle/Equipment Wash Areas		NA	NA		,	_	✓	✓		· <u> </u>	<u> </u>		(e)	NA	NA
Waste Management Areas	L	NA	NA	✓		<u> </u>	✓		_		✓		(e)	✓	NA
Runoff Reduction Measures		(f)	•	•		•	•	•	•		•		•	•	•
Alternative Driveway Design		•	•		,	NA.	NA	NA	N/	,	NA		NA	NA	NA NA
Disconnected Roof Drains		•	•			•	•	•	•		•		•	NA.	NA
Divided Sidewalks		•	•			•	•	•					•	٠	
Ecoroof		NA	NA			•	•	•			•		•	NA.	NA NA
Interceptor Trees		•				•	•			\top	•			•	•
Porous Pavement		NA	NA NA			•	NA NA	NA.		\top	•			•	NA.
Treatment Controls ^{(g) (h)}			/	<i>\</i>		7	· ·	7	V	/	· ~		/	~	~
Porous Pavement Detention		76,242,753	NA	•	114. 11.20	e sin a	NA	NA	•	19 B.C.	•	E14/9/291-17	•	<u></u>	NA
Stormwater Planter (Flow-through)			•			•	•	•		+	•		•	•	•
Stormwater Planter (Infiltration)			•				NA	NA.	•	T	•		•	•	•
Constructed Wetland Basin			•	•		•	NA	NA			•		•	•	•
Detention Basin, Combination			•	•		•	•	•			•		•	•	•
Detention Basin, Dry			•			•	•	•		1	•			•	•
Detention Basin, Wet			•	•		•	•	•			•		•	•	•
Infiltration Basin			•	•			NA .	NA	•		•		•	•	•
Infiltration Trench			•	•		•	NA	NA	•		•		•	•	•
Media Filter (Austin Sand Filter)			•	•		•	•	•			•		•	•	•
Multi-functional Drainage Corridor			•	•		•	NA	NA NA	•		•		•	•	•
Vegetated Filter Strip			•	•		•	NA	NA NA		T-	•		•	•	•
Vegetated Swale			•	•		•	•	•			•		•	•	•
Proprietary Devices ⁽ⁱ⁾			(h)	•		•	•	•	. •		•		•	•	•

[✓] Required if applicable to project

NA Not applicable or allowed

- (a) Single family residential development of one acre or more with a density of 15 du/net acre may be required to incorporate treatment controls starting in Fall 2006.
 (b) May require coverage under State's NPDES General Permit for Stormwater Discharges Associated with Industrial Activity.
 (c) Stand-alone parking lots only. Parking lots associated with buildings/facilities need to meet requirements of associated land use (commercial, industrial, etc.)
- (d) Public road capital projects and expansions that are not associated with new residential, commercial and industrial developments.
- (e) Depends on type of land use (commercial, residential, etc.)
- (f) Runoff reduction measures will be required starting in Fall 2006.
 (g) If the project drains to a regional treatment facility (e.g., detention basin), additional treatment controls may not be required. Contact permitting agency for verification.
- (h) Some treatment devices may not be allowed in the public right-of-way or in areas where the local agency would be required to conduct maintenance. Contact the local permitting agency for requirements and restrictions.

 (i) Contact the local permitting agency for a list of accepted devices.

Acceptable