Low Impact Development Manual Workshop

Program Update

COUNTY OF MENDOCINO

STONE CREEK
environmental consulting

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Subject: LID Revisions

Objectives

- Program Updates
- Proposed Revisions
- Public Input

Agenda

- Program Overview
- Permit Renewal Updates
- General LID Requirements
- Manual Revisions
- Schedule
- Public Input

Small Phase II Municipal Stormwater Permit Order No. 2013-0001-DWQ

- Adopted in February 2013
- Effective July 1, 2013
- Expired June 30, 2018
- Administratively extended until new permit is adopted

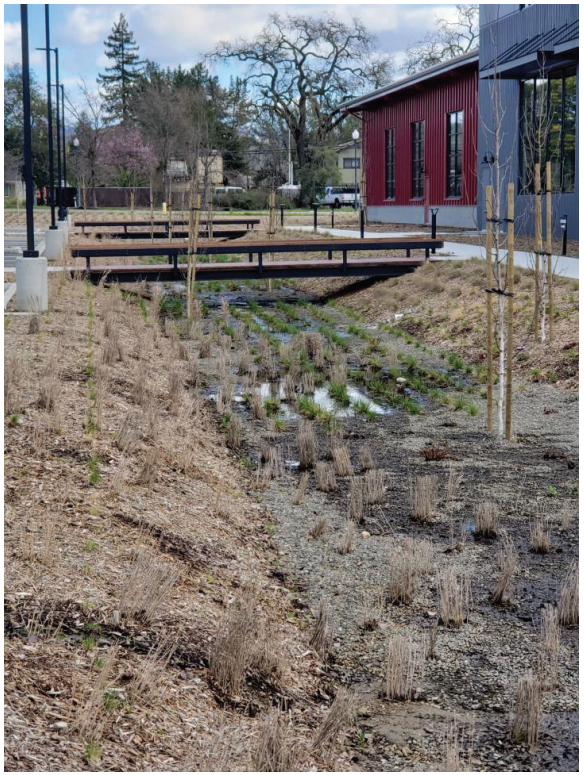
New Permit Schedule

- Public Comment Period : Early 2023
- No time frame for adoption

Post-Construction Requirements

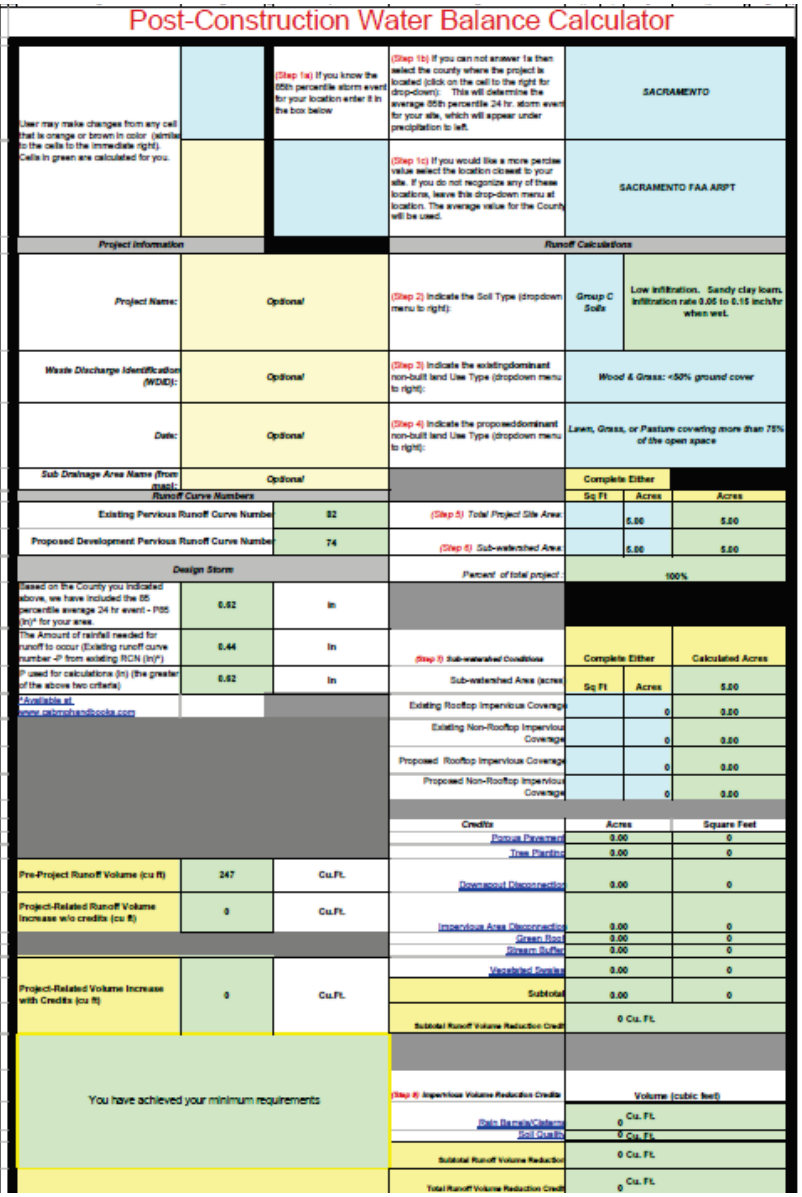
Permit Section E.12.

- Small Projects
- Regulated Projects
  - Source Control Measures
  - Bioretention
  - Hydromodification Management
  - Operations and Maintenance



Stormwater Control Plan

Anticipated Manual Revisions



Post-Construction Water Balance Calculator

User may make changes from any cell that is orange or brown in color (similar to the cells to the immediate right). Cells in green are calculated for you.		(Step 1a) If you know the 85th percentile storm event for your location enter it in the box below	(Step 1b) If you can not answer 1a then select the county where the project is located (click on the cell to the right for drop-down). This will determine the average 85th percentile 24 hr. storm event for your site, which will appear under precipitation to left.	SACRAMENTO	
			(Step 1c) If you would like a more percise value select the location closest to your site. If you do not recognize any of these locations, leave this drop-down menu at location. The average value for the County will be used.	SACRAMENTO FAA ARPT	
Project Information			Runoff Calculations		
Project Name:	Optional		(Step 2) Indicate the Soil Type (dropdown menu to right):	Group C Soils	Low infiltration. Sandy clay loam, infiltration rate 0.05 to 0.15 inch/hr when wet.
Waste Discharge Identification (WDID):	Optional		(Step 3) Indicate the existingdominant non-built land Use Type (dropdown menu to right):	Wood & Grass: <50% ground cover	
Date:	Optional		(Step 4) Indicate the proposeddominant non-built land Use Type (dropdown menu to right):	Lawn, Grass, or Pasture covering more than 75% of the open space	
Sub Drainage Area Name (from map):	Optional			Complete Either	
Runoff Curve Numbers				Sq Ft / Acres	Acres
Existing Pervious Runoff Curve Number	82		(Step 5) Total Project Site Area:	5.00	5.00
Proposed Development Pervious Runoff Curve Number	74		(Step 6) Sub-watershed Area:	5.00	5.00
Design Storm			Percent of total project:	100%	
Based on the County you indicated above, we have included the 85 percentile average 24 hr event - P85 (in)* for your area.	0.62	in			
The Amount of rainfall needed for runoff to occur (Existing runoff curve number -P from existing RCN (in)*)	0.44	in	(Step 7) Sub-watershed Conditions	Complete Either	Calculated Acres
P used for calculations (in) (the greater of the above two criteria)	0.62	in	Sub-watershed Area (acres)	Sq Ft / Acres	5.00
* Available at www.rainwaterandbooks.com			Existing Rooftop Impervious Coverage	0	0.00
			Existing Non-Rooftop Impervious Coverage	0	0.00
			Proposed Rooftop Impervious Coverage	0	0.00
			Proposed Non-Rooftop Impervious Coverage	0	0.00
			Credits	Acres	Square Feet
			Porous Pavement	0.00	0
			Tree Planting	0.00	0
Pre-Project Runoff Volume (cu ft)	247	Cu.Ft.	Downspout Disconnection	0.00	0
Project-Related Runoff Volume Increase w/o credits (cu ft)	0	Cu.Ft.	Impervious Area Disconnection	0.00	0
			Green Roof	0.00	0
			Stream Buffer	0.00	0
			Vegetated Swales	0.00	0
Project-Related Volume Increase with Credits (cu ft)	0	Cu.Ft.	Subtotal	0.00	0
			Subtotal Runoff Volume Reduction Credit	0 Cu. Ft.	
You have achieved your minimum requirements			(Step 8) Impervious Volume Reduction Credits	Volume (cubic feet)	
			Rain Barrels/Cisterns	0 Cu. Ft.	
			Soil Quality	0 Cu. Ft.	
			Subtotal Runoff Volume Reduction	0 Cu. Ft.	
			Total Runoff Volume Reduction Credit	0 Cu. Ft.	

Site Design Measures – Water Balance Calculator

Drainage Management Areas

- Self-Treating
- Self-Retaining
- Impervious connected to Self-Retaining
- Drainage to Bioretention

Hydromodification Management

Stormwater Control Plan


Schedule
April 2023
Revised Manual
Training/ Workshop

Public Input