

**Appendix G -  
Stormwater Control Plan (SWCP) Template**



**STORMWATER CONTROL PLAN (SWCP)**  
**FOR**  
**[NAME OF PROJECT]**

[date]

[This template is to be used in conjunction with the requirements, instructions, and criteria set forth in the *County of San Luis Obispo Post Construction Stormwater Requirements Handbook*.

Check with the County of San Luis Obispo Planning and Building and Public Works Departments for new information and updates to the *Handbook* and this template.]

[Name of Owner]

[Owners Representative and Contact Information]

Prepared By:

[Preparers Name and Contact Information]

## TABLE OF CONTENTS [Edit to be project-specific, delete bracketed text]

- I. Project Overview
- II. Site Stormwater Assessment
  - a. Project Description
  - b. Existing Site Features and Conditions
  - c. Opportunities and Constraints for Stormwater Control
- III. Design Strategy Narrative
  - a. Optimization of Site Layout
    - i. Limitation of development envelope
    - ii. Preservation of natural drainage features
    - iii. Setbacks from creeks, wetlands, and riparian habitats
    - iv. Minimization of imperviousness
  - b. Use of Permeable Pavements
- IV. Documentation of Drainage Design
  - a. List of Performance Requirements that Apply to the Project
  - b. Description of each Drainage Management Areas (DMAs)
    - i. Table of Drainage Management Areas (DMAs)
  - c. Summary of Runoff Reduction Measures (PR 1) and Structural Control Measures, by DMA (and entire site)
  - d. Summary of Calculations meeting Water Treatment, Runoff Retention and Peak Performance Requirements (PR 2, 3 and 4)*[as applicable]*
    - i. Water Treatment (PR 2)
    - ii. Runoff Retention (PR 3)
    - iii. Peak Performance (PR 4)
  - e. Special Circumstances Documentation (PR 5) *[if applicable]*
  - f. Technical Infeasibility Documentation *[if applicable]*
  - g. Alternative Compliance Documentation *[if applicable]*

V. Source Control Measures

- a. Site activities and identification of potential sources of pollutants
- b. Pollutant Source and Source Control Table

VI. Stormwater Facilities Operations and Maintenance

- a. Summary of Maintenance Requirements of each Stormwater Facility

VII. Certification Statement Forms

**TABLES**

Table 1. Project Data

Table X. Drainage Management Areas

Table X. Table of Runoff Reduction and Structural Control Measures

Table X. Compliance with Peak Management Requirements (PR 3)

Table X. Sources and Source Control Measures

**ATTACHMENTS**

- A. Support Calculations
- B. Completed SWCP Checklist and Performance Requirement Checklists
- C. Site Stormwater Assessment Exhibit
- D. Drainage Management Area (DMA) Exhibit
- E. Draft Operations and Maintenance Forms

**APPENDICES**

*[Examples: Maps, Soils/Geotechnical Report(s), Project Drainage Report]*

## I. Project Overview

Table 1. Project Overview

<b>Project Name/Permit Number</b>	<i>[As stated on County Permit Applications]</i>
<b>Project Location</b>	<i>[Street Address if available, or intersection and/or APN(s). Vicinity Map required in Section II below.]</i>
<b>Project Phase No.</b>	<i>[If project is being constructed in phases indicate the phase number. If not, enter N/A. <u>Note</u>: A separate SWCP will be required for each phase.]</i>
<b>Project Type and Description</b>	<i>[Example entries: “Detached single-family residence”, “mixed use retail and residential development”, “Industrial Warehouse”. For phased projects (i.e. Conditional Use Permits phased over 20 years) note the overall scheme and what is to be specifically completed in this phase. (Example: Airport Area Master Plan, Phase 1A: Office and Commercial Lots 1, 2, and 3.) ]</i>
<b>Total Project Site Area (acres)</b>	<i>[If Phased, include only the Phase covered by this SWCP.]</i>
<b>Total Pre-project Impervious Area (SF)</b>	
<b>Total New Impervious Area (SF)</b>	
<b>Total Replaced Impervious Area (SF)</b>	
<b>Total Post-project Impervious Area (SF)</b>	
<b>Net Impervious Area</b>	<i>[= New + Replaced – (Pre - Post)]</i>

## II. Site Stormwater Assessment *[Correlating to the Site Stormwater Assessment Exhibit]*

### a. Project Description

*[Include site information, such as division of parcels, planned land uses, zoning setbacks and open space requirements, project phasing details, number of units or square footage, parking requirements, neighborhood characteristics, project design objectives (i.e. LEED certification). List of permits requested and other permits required (401, 404, Caltrans Encroachment, etc). Include Vicinity Map.]*

b. Existing Site Features and Conditions

*[Include narrative of site characteristics and topography, especially hydrological features, including natural areas, wetlands, watercourses (including seasonal), seeps or springs. Note existing and previously known land uses and potential sources of pollutants. Describe soil types and hydrologic soil groups, vegetative cover, previously compacted and impervious areas. Note wells, interesting land formations, or rock outcrops, if any. Describe existing drainage for the site and nearby areas, including any municipal storm drains or private storm drain networks. Note any stormwater run-on to be considered. Note the Watershed Management Zone(s) numbers and if there are any design exception per Table 3-3. Refer to the Site Stormwater Assessment Exhibit.]*

c. Opportunities and Constraints for Stormwater Control

*[Example of Opportunities: Existing natural or native areas, low areas or sumps, unbuildable areas, easements and required setbacks (open space or buffer zones), that could potentially be used for bioretention facilities. Differences in elevation that can provide hydraulic head for drainage. Landscape amenity requirements and use of drainage as a design element.]*

*[Example of Constraints: impermeable soils or bedrock, high groundwater, groundwater pollution or contaminated soils, steep slopes, geotechnical instability, density/high intensity land use, heavy pedestrian or vehicular traffic, utility locations, safety concerns.]*

### **III. Design Strategy Narrative**

a. Optimization of Site Layout *[Describe how each of the following was achieved:]*

- i. Limitation of development envelope
- ii. Preservation of natural drainage features
- iii. Setbacks from creeks, wetlands, and riparian habitats
- iv. Minimization of imperviousness

b. Use of Permeable Pavements

*[If applicable, describe the pavement product, placement and any infiltration-related details.]*

c. Low Impact Development (LID) Measures Used

*[Describe the use of LID in the design and for what purpose – treatment, runoff reduction, as a structural control measure? If not used, explain why. Refer to Support Calculations in Attachment A but do not include in text.]*

#### **IV. Documentation of Drainage Design**

- a. List of Performance Requirements that Apply to the Project

*[This list must correlate to the Coversheet and Checklists found in Appendix B, which are to be included as Attachment B]*

- b. Description of each Drainage Management Areas (DMAs)

- i. Table X. Drainage Management Areas

*[See next page - Correlating to the Drainage Management Area (DMA) Exhibit]*

DMA Name/ Number	Surface Type	Area (square feet)	Drains [description of area]	Drains to			Notable or Exceptional characteristics or conditions
				Self-retaining/ treating	SCM (Name)	DMA (Name)	
[1]	[Roof]	[1000]	[roof run-off]			[DMA 4]	[Roof runoff directed into vegetated areas for infiltration.]
[2]	[Parking with Permeable Pavers.]	[250]	[northwest corner of parking lot.]	[X]			[Area within Hydrologic soil group B, allowing for infiltration.]
	<b>Total Area</b>	[1250]					

[Add rows as needed to cover the entire site so Total Area = Total Project Site Area.]

- b. Summary of Runoff Reduction Measures (PR 1) and Structural Control Measures, by DMA (and entire site)

*[Describe the use of Measures here in narrative or tabular form.]*

- a. Summary of Calculations meeting Water Treatment, Runoff Retention and Peak Performance Requirements (PR 2, 3 and 4)[as applicable] *[Refer to Support Calculations (Attachment A)]*

- i. Water Treatment (PR 2)

*[Include narrative of which Water Treatment system(s) was chosen and why (Low Impact Development (LID) Measures, Biofiltration, or Non-Retention Based Systems.)]*

- ii. Runoff Retention (PR 3)

*[Include narrative of which Runoff Retention measures (and Structural Control Measures (SCMs) were chosen and why. Include reference or a summary table showing how the project has met required hydraulic analysis and sizing methods.]*

- iii. Peak Performance (PR 4)

*[Provide or refer to a summary table (Compliance with Peak Management Requirements (PR 3)) showing that post-development flows will not exceed pre-project flows for the 2 through 10 year storm events.]*

- b. Special Circumstances Documentation (PR 5) *[if applicable]*

*[State special circumstance: 1) Highly Altered Channel 2) Intermediate Flow Control Facility, or 3) Historic Lake or Wetland? Provide evidence that the project cannot meet PRs for Runoff retention and Peak Performance requirements, and that the design does not result in adverse impacts to downstream receiving waters. Reference Support Calculations (Attachment A). In these cases, the County will be required to submit the SWCP to the Central Coast RWQCB for review and approval, so state the case clearly and comprehensively to help the process. ]*

- c. Technical Infeasibility Documentation *[if applicable]*

*[Describe reason(s) for Technical Infeasibility, summary of Equivalent Impervious Surface Area calculation, and description of how the site has accomplished dedication of no less than 10% of the Equivalent Impervious Surface Area for retention.]*

- d. Alternative Compliance Documentation *[if applicable]*

*[Must include, at a minimum:*

- *the location of the proposed off site project(s) that must be in the same watershed. (If outside, requires Central Coast RWQCB approval.)*
- *A schedule for completion of the off-site project(s).]*

**V. Source Control Measures**

- a. Site activities and identification of potential sources of pollutants

*[Include narrative]*

- b. Pollutant Source and Source Control Table

Potential Source of runoff pollutants (note DMA)	Permanent source control BMPs proposed	Operational source control BMPs proposed
<i>[Parking Lot - Oil and Grease]</i>	<i>[Oil and grease separator.]</i>	<i>[Have vehicles serviced regularly.]</i>

**VI. Stormwater Facilities Operations and Maintenance**

- a. Narrative and Summary of Maintenance Requirements of each Stormwater Facility

*[Correlates to the O & M Forms found in Appendix B-16 of Handbook. Recordation required prior to occupancy.]*

VII. Certification Statement Forms *[Templates in Appendix B-16 of Handbook.]*

**TABLES**

- Table 1. Project Data
- Table X. Drainage Management Areas
- Table X. Table of Runoff Reduction and Structural Control Measures
- Table X. Compliance with Peak Management Requirements (PR 3)
- Table X. Sources and Source Control Measures

**ATTACHMENTS**

- A. Support Calculations

- B. Completed Stormwater Control Plan Checklist and Performance Requirement Checklists  
*[from Handbook Appendix B-7].*
- C. Site Stormwater Assessment Exhibit *[See SWCP Checklist for description]*
- D. Drainage Management Area (DMA) Exhibit *[See SWCP Checklist for description.]*
- E. Draft Operations and Maintenance Forms *[from Handbook Appendix B-16].*