

# STORMWATER CONTROL PLAN

for

[NAME OF PROJECT]

[date]

**[This template is to be used in conjunction with the instructions, criteria, and minimum requirements in the Contra Costa Clean Water Program *Stormwater C.3 Guidebook, 7<sup>th</sup> Edition*.**

**The contents and level of detail required for a Stormwater Control Plan varies with project characteristics. Check with local staff regarding requirements for your project.**

**Check the Contra Costa Clean Water Program website at <http://www.cccleanwater.org/new-development-c-3/> for new information and updates to the Guidebook and this template.]**

**[Name of Owner]**

**[Owner's Representative and Contact Information]**

*prepared by:*

**[Preparer's Name]**

**[Preparer's Contact Information]**

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Attachments

Stormwater Control Plan Exhibit

IMP Sizing Calculator Output

Appendix

HM Compliance [if applicable]

*This Stormwater Control Plan was prepared using the template dated February 2018.*

I. PROJECT DATA [Complete the following table and include in Stormwater Control Plan.]

**Table 1. Project Data**

Project Name/Number	
Application Submittal Date	[to be verified by municipal staff per 14 CCR §15060]
Project Location	[Provide both APN and street address if available]
Name of Developer	
Project Phase No.	[If project is being constructed in phases, indicate the phase number. If not, enter “NA”]
Project Type and Description	[Example entries: “5-story office building,” “Residential with 160 single-family homes with five 4-story buildings to contain 200 condominiums,” “100-unit, 2-story shopping mall,” “mixed use retail and residential development (apartments),” “Industrial warehouse.”]
Project Watershed	[Request from municipal staff]
Total Project Site Area (acres)	
Total Area of Land Disturbed (acres)	
Total New Impervious Surface Area (sq. ft.)	
Total Replaced Impervious Surface Area	[See instructions on p. 14 of the <i>Guidebook</i> 7 <sup>th</sup> Edition.]
Total Pre-Project Impervious Surface Area	
Total Post-Project Impervious Surface Area	
50% Rule[*]	[Applies or Doesn’t Apply]
Project Density	[State DU/Acre and/or Floor Area Ratio. See definitions on p. 46 of the <i>Guidebook</i> 7 <sup>th</sup> Edition.]
Applicable Special Project Categories [Complete even if all treatment is LID]	[State A, B, C, or none. If “C”, state basis for location credits, density, and parking credits.]
Percent LID and non-LID treatment	[State totals for project and provide details under “Documentation of Drainage Design.”]
HM Compliance [†]	[State “applies,” or state “exempt” and explain reason for exemption. See page 9 of the <i>Guidebook</i> 7 <sup>th</sup> Edition.]

[\*50% rule applies if:

Total Replaced Impervious Surface Area > 0.5 x Pre-Project Impervious Surface Area]

[†HM required (unless project meets one of the exemptions on *Guidebook* p. 9) if:

(Total New Impervious Surface Area + Total Replaced Impervious Surface Area) ≥ 1 acre]

## II. SETTING

[See instructions on pp. 14-15 of the *Guidebook*.]

### II.A. Project Location and Description

[Include site location, division of parcels, planned land uses, zoning, setback and open space requirements, project phasing, number of residential units or square footage of office or retail, parking requirements, neighborhood character, project design objectives (for example LEED certification), other notable project characteristics. Include a vicinity map.]

### II.B. Existing Site Features and Conditions

[Include site size, shape, and topography. Hydrologic features, including any contiguous natural areas, wetlands, watercourses, seeps, or springs. Existing land uses. Soil types and hydrologic soil groups, depth to groundwater, vegetative cover, and impervious areas, if any. Existing drainage for site and nearby areas, including location of municipal storm drains.]

### II.C. Opportunities and Constraints for Stormwater Control

[Examples of constraints: impermeable soils, 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.]

[Examples of opportunities: Existing natural areas, low areas, oddly configured or otherwise unbuildable areas, easements and required landscape amenities including open space and buffers that might be used for bioretention facilities, and differences in elevation, which can provide needed hydraulic head.]

## III. LOW IMPACT DEVELOPMENT DESIGN STRATEGIES

[See *Guidebook* pp. 16 and 24-29. Review each of the strategies and describe here how each has been incorporated into your project. Not every strategy applies to every project; if a strategy doesn't apply, state the reason.]

### III.A. Optimization of Site Layout

[In a narrative, address the points in each of the subheadings to the level of detail appropriate for your project. Subheadings may be used or omitted.]

*III.A.1. Limitation of development envelope*

*III.A.2. Preservation of natural drainage features*

*III.A.3. Setbacks from creeks, wetlands, and riparian habitats*

*III.A.4. Minimization of imperviousness*

*III.A.5. Use of drainage as a design element*

### III.B. Use of Permeable Pavements

### III.C. Dispersal of Runoff to Pervious Areas

### III.D. Bioretention or other Integrated Management Practices

[See the guidance, *Guidebook* pp. 27-29, for siting and designing bioretention facilities. Describe how the facilities in your project have been designed to be consistent with this guidance. In addition, ensure your stormwater control design is fully coordinated with the site plan, grading plan, and landscaping plan being proposed for the site. See *Guidebook* p. 43.]

#### IV. DOCUMENTATION OF DRAINAGE DESIGN

##### IV.A. Descriptions of each Drainage Management Area

###### IV.A.1. Table of Drainage Management Areas

Table x. Drainage Management Areas

<i>DMA Name</i>	<i>Area (SF)</i>	<i>Surface Type/Description</i>	<i>DMA Type/Drains to</i>

###### IV.A.2. Drainage Management Area Descriptions

**DMA [name]**, totaling x,xxx square feet, drains [description of area]. DMA [name] drains to [Self-Retaining DMA name or IMP name]. [Describe notable or exceptional characteristics or conditions.]

**DMA [name]**, totaling x,xxx square feet, drains [description of area]. DMA [name] drains to [Self-Retaining DMA name or IMP name]. [Describe notable or exceptional characteristics or conditions.]

**DMA [name]**, totaling x,xxx square feet, drains [description of area]. DMA [name] drains to [Self-Retaining DMA name or IMP name]. [Describe notable or exceptional characteristics or conditions.]

**DMA [name]**, totaling x,xxx square feet, drains [description of area]. DMA [name] drains to [Self-Retaining DMA name or IMP name]. [Describe notable or exceptional characteristics or conditions.]

[For DMAs draining to non-LID treatment systems, include a description of the uses of all impervious paved areas, and for landscaped areas, a description of the technical constraints preventing their use as LID IMPs. Also include a narrative discussion of the infeasibility of offsite treatment.]

##### IV.B. Integrated Management Practice Descriptions

[Include a description of the facilities, including design criteria. See the design sheets in *Guidebook* Chapter 4. Describe any special or notable features or design characteristics. Include a sketch showing key elevations if necessary to demonstrate sufficient hydraulic head.]

###### IV.B.1. Areas Draining to Non-LID Treatment [“Special Projects” only—See Table 3-8, p. 46]

Table x. Areas Draining to Non-LID Treatment

<i>DMA Name</i>	<i>Area (square feet)</i>	<i>Non-LID Treatment System</i>	<i>Minimum Design Criteria Referenced</i>

#### IV.C. Tabulation and Sizing Calculations

[Attach and reference output from the IMP Sizing Calculator.]

#### V. SOURCE CONTROL MEASURES

##### V.A. Site activities and potential sources of pollutants

##### V.B. Source Control Table

Table x. Source Controls

[See the instructions on page 16 of the Guidebook and the checklist in Appendix D.]

<i>Potential source of runoff pollutants</i>	<i>Permanent source control BMPs</i>	<i>Operational source control BMPs</i>

##### V.C. Features, Materials, and Methods of Construction of Source Control BMPs

#### VI. STORMWATER FACILITY MAINTENANCE

##### VI.A. Ownership and Responsibility for Maintenance in Perpetuity

[Include (1) a commitment to execute any necessary agreements and/or annex into a fee mechanism, per local requirements, and (2) a statement accepting responsibility for operation and maintenance of facilities until that responsibility is formally transferred.]

##### VI.B. Summary of Maintenance Requirements for Each Stormwater Facility

[For guidance on what to include in this section, see the Operation and Maintenance Fact Sheet at <http://www.cccleanwater.org/stormwater-c-3-guidebook/>]

#### VII. CONSTRUCTION PLAN C.3 CHECKLIST

[See the instructions on page 18 of the Guidebook. Number and list each measure or BMP you have specified in your Stormwater Control Plan in Columns 1 and 2 of the table. Leave Column 3 blank. When you submit grading and improvement plans for engineering review, duplicate this table on those plans, with Column 3 also completed. Also, before completing your Plan and accompanying

exhibit, perform another check to ensure your stormwater control design is fully coordinated with the site plan, grading plan, and landscaping plan being proposed for the site. Identify any conflicts with codes and requirements, or other obstacles to implementing the Plan as submitted. See p. 43 of the *Guidebook*.]

Table x. Construction Plan C.3 Checklist

*Stormwater  
Control  
Plan  
Page #*

*BMP Description*

*See Plan Sheet #s*


#### VIII. CERTIFICATIONS

The selection, sizing, and preliminary design of stormwater treatment and other control measures in this plan meet the requirements of Regional Water Quality Control Board Order R2-2015-0049.

[Check with local staff regarding other certification requirements.]

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By

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Print Name