Stormwater Control Plan

For a Regulated Project

[Name of Project]

 [date]

This template is to be used in conjunction with the instructions, criteria, and minimum requirements in the Bay Area Stormwater Management Agencies Association’s (BASMAA’s)
*Post-Construction Manual*.

Check www.basmaa.org for new information and updates to the *Post-Construction Manual* and this template.

[Name of Owner]
[Owner’s Representative and Contact Information]

prepared by:

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

# Project Data

Table 1. Project Data Form

|  |  |
| --- | --- |
| Project Name/Number |  |
| Application Submittal Date | [to be verified by municipal staff] |
| Project Location  | [Street Address if available, or intersection and/or APN]  |
| Project Phase No. | [If project is being constructed in phases, indicate the phase number. If not, enter “NA”] |
| Project Type and Description | [Example entries: “Detached single-family residence,” “5-story office building,” “Residential with 160 single-family homes,” “Five 4-story buildings to contain 200 condominiums,” “100-unit, 2-story shopping mall,” “mixed use retail and residential development (apartments)”, “Industrial warehouse.”] |
| Total Project Site Area (acres) |  |
| Total New and Replaced Impervious Surface Area |  |
| Total Pre-Project Impervious Surface Area |  |
| Total Post-Project Impervious Surface Area |  |

# Setting

### 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. A vicinity map may also be useful.]

## 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, vegetative cover, and impervious areas, if any. Existing drainage for site and nearby areas, including location of municipal storm drains. ]

## Opportunities and Constraints for Stormwater Control

[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.]

[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.]

# Low Impact Development Design Strategies

## Optimization of Site Layout

### Limitation of development envelope

### Preservation of natural drainage features

### Setbacks from creeks, wetlands, and riparian habitats

### Minimization of imperviousness

### Use of drainage as a design element

##  Use of Permeable Pavements

[Permeable pavements include pervious concrete, porous asphalt, porous pavers, crushed aggregate, open pavers, or solid pavers. Show the location, extent, and types of pervious pavement on your SCP Exhibit and describe here how pavements will be constructed according to the appropriate specifications. See page 4-6 of the *BASMAA Post-Construction* *Manual.*]

## Dispersal of Runoff to Pervious Areas

## Stormwater Control Measures

# Documentation of Drainage Design

## Descriptions of Each Drainage Management Area

### Table of Drainage Management Areas

|  |  |  |
| --- | --- | --- |
| DMA Name | Surface Type | Area (square feet) |
|  |  |  |

### Drainage Management Area Descriptions

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

## Tabulation and Sizing Calculations

### Information Summary for Bioretention Facility Design

|  |  |
| --- | --- |
| Total Project Area (Square Feet) | [should be consistent with Table 1] |
| [List all DMAs] | [Square footage of each DMA] |

### Self-Treating Areas

[Extend table to list additional DMAs.]

|  |  |
| --- | --- |
| DMA Name | Area (square feet) |
|  |  |

### Self-Retaining Areas

[Extend table to list additional DMAs. Include areas for which runoff is to harvested and used.]

|  |  |
| --- | --- |
| DMA Name | Area (square feet) |
|  |  |

### Areas Draining to Self-Retaining Areas

[Extend table to list additional DMAs.]

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| DMA Name | Area (square feet) | Post-project surface type | Runofffactor | Product(Area x runoff factor)[A] | Receiving self-retaining DMA |  Receiving self-retaining DMA Area (square feet) [B] | Ratio[A]/[B] |
|  |  |  |  |  |  |  |  |

### Areas Draining to Bioretention Facilities

[Copy entire table once for each Bioretention Facility.]

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| DMA Name | DMAArea (square feet) | Post-project surface type | DMARunoff factor | DMAArea ×runoff factor | Facility Name |
|  |
|  |  |  |  |  | Sizingfactor  | MinimumFacilitySize | ProposedFacilitySize |
|  |  |  |  |  |
|  |  |  |  |  |
| Total> |  | 0.04 |  |  |

# Source Control Measures

## Site activities and potential sources of pollutants

## Source Control Table

[See the instructions on page 3-6 of the *Post-Construction Manual* and the checklist in Appendix A.]

|  |  |  |
| --- | --- | --- |
| Potential source of runoff pollutants | Permanent source control BMPs | Operationalsource control BMPs |
|  |  |  |
|  |  |  |

## Features, Materials, and Methods of Construction of Source Control BMPs

x

# Stormwater Facility Maintenance

## Ownership and Responsibility for Maintenance in Perpetuity

[Include (1) a commitment to execute any necessary agreements, and (2) a statement such as the following: “The applicant accepts responsibility for interim operation and maintenance of stormwater treatment and flow-control facilities until such time as this responsibility is formally transferred to a subsequent owner.”

## Summary of Maintenance Requirements for Each Stormwater Facility

[See Chapter 5 of the *Post-Construction Manual*]

# Construction Checklist

[See the instructions on page 3-8 of the *Post-Construction Manual*.]

|  |  |  |
| --- | --- | --- |
| Stormwater Control Plan Page # | Source Control or Treatment Control Measure | See Plan Sheet #s |
|  |  |  |
|  |  |  |

# Certifications

The preliminary design of stormwater treatment facilities and other stormwater pollution control measures in this plan are in accordance with the current edition of the BASMAA *Post-Construction Manual* [Check with local staff regarding other certification requirements.]