



CITY of ATASCADERO

STORMWATER CONTROL PLAN

Permit Documentation

Updated
October 9, 2014

Application Submittal

- Where directions state “**Done**”, no additional information needs to be filled out or furnished.
- See **Exhibits** for Watershed Management Zones, Basins, & Urban Sustainability Areas
- Use “n/a” where information requested is not applicable.

Project Information

Step 1

Applicant Name:			
Application No:			
Project Name:			
Project Address:			
Project APN:			
Project Type: ✓	Commercial	Detached Single Family Residential	
	Industrial	Multi-unit Residential	
	Mixed Use	Public	
Project Phase:			
Project Description:			
Total Project Site Area =			

Complete the area calculations below:

Areas		
(a)	Total New Impervious Surface Area =	
(b)	Total Replaced Impervious Surface Area =	
(c)	Total Existing Impervious Area =	
(d)	Total Impervious Area of Completed Project =	
(e)	Net Impervious Area: (a+b) – (c-d) = OR where (c-d) is a negative number: (a+b) =	

Your project is NOT subject to Post Construction Requirements if...

Step 2

<input type="checkbox"/> Area (e) of project is < 2,500 square feet – Done, or,
<input type="checkbox"/> Area (e) of project is ≥ 2,500 square feet, and is a project type listed below (✓ type) – Done <ul style="list-style-type: none"> <input type="checkbox"/> Road & parking surface repair – slurry & fog & crack seal, pothole & spot patching, overlay & resurfacing & other damage repair with no expansion <input type="checkbox"/> Road & parking shoulder grading (no based or paved road shoulder) <input type="checkbox"/> Road & parking cleaning, repairing, maintaining, reshaping, regarding drainage systems <input type="checkbox"/> Sidewalk & bike path / lane project – no other impervious service created and runoff is directed to vegetated area <input type="checkbox"/> Curb & gutter improvement or replacement – no other impervious created <input type="checkbox"/> Underground utility project – surface replaced in kind <input type="checkbox"/> Utility vaults – Ex: lift stations, backflows <input type="checkbox"/> Fuel storage – above ground with spill containment <input type="checkbox"/> Photovoltaic systems – on existing impervious surface, over pervious surface with vegetated cover, buffer strip at the most down gradient row of panels <input type="checkbox"/> Second story – no increase in building footprint <input type="checkbox"/> Decks & stairs & walkways – raised with space below for drainage <input type="checkbox"/> Temporary structures – in place less than 6 months

Otherwise, your project is subject to the Post Construction Requirements – See City Drainage Standards, Section 5.

Project Site Details

- See Area calculations in Step 1 to compare to thresholds in each Step below
- Where directions state “Go To”, fill out and attach the referenced Form and any supporting documents

Step 3

Project is \geq 2,500 square feet
<input type="checkbox"/> Yes - Go To Requirement 1 – Site Design & Runoff Reduction - Form 1 AND THEN Go To Step 4

Step 4

Detached single family residential project where Area (e) is \geq 15,000 square feet OR other Project where Area (e) \geq 5,000 square feet
<input type="checkbox"/> Yes - Go To Requirement 2 – Water Quality Treatment - Form 2 AND THEN Go To Step 5
<input type="checkbox"/> No – Done

Step 5

Detached single family residential project where Area (e) \geq 15,000 square feet OR other Project where Area (a+b) \geq 15,000 square feet
Identify the Watershed Management Zone : See www.atascadero.org/stormwatermaps for Watershed Management Zone
<input type="checkbox"/> Yes - Go To Requirement 3 – Runoff Retention - Form 3 AND THEN Go To Step 6
<input type="checkbox"/> No – Done

Step 6

Project where Area (a+b) \geq 22,500 square feet AND is in Watershed Management Zone 1,2,3,6,9
<input type="checkbox"/> Yes - Go To Requirement 4 – Peak Management - Form 4
<input type="checkbox"/> No - Done

Requirement 1 – Site Design and Runoff Reduction:

Identify the strategies used to reduce runoff through site design. Strategies 1-5 required.

Describe or attach simple plan details for 1. – 5.

1. Limit disturbance of creeks and natural drainage features and setback development from these features.
Click here to enter text.
2. Minimize compaction of highly permeable soils
Click here to enter text.
3. Minimize clearing of native vegetation and grading, conserving natural areas and maximizing undisturbed areas, and developing along natural landforms.
Click here to enter text.
4. Minimize impervious surfaces including roadways and parking lots
Click here to enter text.
5. Other (Optional): Identify strategy(s) and describe or show how it will be done in the project.
Click here to enter text.
6. Do **one** of the following: ✓
 - Direct roof run-off into cistern, rain barrel, or vegetated area
 - Direct driveway and/or parking area into vegetated area
 - Construct surfaces (bike lanes, walks, driveways, parking areas) with permeable surfaces

Requirement 2 – Water Quality Treatment:

(Reference Post Construction Stormwater Management Requirements for Development Projects in the Central Coast Region – Adopted July 12, 2013 California Regional Water Quality Control Board Central Coast Region – for details regarding requirements – Section B.3 and Section C. Alternative Compliance.)

Treatment

Location ✓ On Site Off Site - Alternative Compliance

Measure Used ✓ 1. Harvesting, infiltration, evapotranspiration
 2. Bio-filtration Treatment (*Document inability to use 1.*)
 3. Non-Retention Based Treatment (*Document inability to use 1. or 2.*)

Description of structural controls:

Click here to enter text.

Alternative compliance measures:

Click here to enter text.

Attachments

- *Attach treatment/sizing calculations, including any volume treated with off-site compliance.*
- *Attach construction and planting details and specifications for bio-filtration options*
- *Attach documentation regarding Treatment Measure selection*
- *Attach infeasibility analysis where alternative compliance is proposed.*

Certification

I _____ certify that the systems selected and sized, as demonstrated in the attached calculations, meet the Water Quality Treatment required for this project per the Post Construction Requirements adopted by the Central Coast Regional Water Quality Control Board. Where identified in the attached documentation, Water Quality Treatment will be met through alternative compliance.

Signature

Date

Requirement 3 – Runoff Retention:

(Reference Post Construction Stormwater Management Requirements for Development Projects in the Central Coast Region – Adopted July 12, 2013 California Regional Water Quality Control Board Central Coast Region – for details regarding requirements – Section B.4 and Section C. Alternative Compliance.)

- *If a revision to the site's Watershed Management Zone is being requested, attach Watershed Management Revision Request Form (Exhibit) and supporting documentation.*
- *Rainfall maps are available from the Regional Water Quality Control Board*

Site Assessment Measures Summary

- Attach documentation of the following information:
 - Site topography
 - Development envelope
 - Hydrologic features including natural areas, wetlands, watercourses, seeps, springs, and required setbacks
 - Vegetative cover including trees
 - Open space requirements
 - Location of groundwater wells used for drinking water
 - Depth to seasonal high groundwater
 - Soil types and hydrologic soil groups
 - Depth to impervious layer such as bedrock
 - Presence of unique geology (e.g. karst)
 - Geotechnical hazards
 - Existing structures, utilities, and drainage infrastructure including municipal storm drain system components
 - Existing easements and covenants
 - Documented soil or groundwater contamination
 - Source and estimated stormwater run-on from offsite, coming to project area
 - Drainage Management Areas (B.4.d.iii)
 - Drainage management strategies by Drainage Management Area
 - Runoff reduction measures and any structural control measures by Drainage Management Area (or full site as appropriate)
- Technical infeasibility limits on-site compliance
 - 10% of equivalent impervious surface area is dedicated to retention based stormwater control measures – No alternative compliance for retention
Runoff volume - compliance not achieved on-site:
 - Alternative compliance for retention proposed
Runoff volume – compliance not achieved onsite:
Runoff volume – alternative compliance used:

Analysis and Sizing

- Attach calculated Tributary Areas and Design Volumes per the Post Construction Stormwater Management Requirements – Attachment D
 - Adjustment made for redevelopment
 - Adjustment made for being in, and meeting requirements of, an Urban Sustainability Area

Control Mechanism**Site in Zone 1**

- 95th percentile event retained via infiltration
- Finding of technical infeasibility – Structural Stormwater Measure proposed

Site in Zone 2

- 95th percentile event retained via storage, harvesting, infiltration, and/or evapotranspiration
- Finding of technical infeasibility – Structural Stormwater Measure proposed

Site in Zone 3

- See Public Works

Site in Zone 4

- 95th percentile event retained via infiltration overlying Groundwater Basin
- Finding of technical infeasibility – Structural Stormwater Measure proposed

Site in Zone 5

- 85th percentile event retained via infiltration
- Finding of technical infeasibility – Structural Stormwater Measure proposed

Site in Zone 7

- 95th percentile event retained via infiltration overlying Groundwater Basin
- Finding of technical infeasibility – Structural Stormwater Measure proposed

Site in Zone 9

- 85th percentile event retained via storage, harvesting, infiltration, and/or evapotranspiration
- Finding of technical infeasibility – Structural Stormwater Measure proposed

Site in Zone 10

- 95th percentile event retained via infiltration overlying Groundwater Basin
- Finding of technical infeasibility – Structural Stormwater Measure proposed

Attachments (Select the appropriate attachment consistent with the project requirements)

- *Attach calculations for hydrologic analysis and stormwater control measure sizing*
- *Attach discussion of technical infeasibility for structural stormwater measure, where proposed in lieu of preferred storage, harvesting, infiltration, and/or evapotranspiration, include justification for any non-retention based controls*
- *Attach documentation of technical infeasibility for on-site compliance, including a site specific hydrologic and/or design analysis supporting findings*
- *Attach description of alternative compliance project including a summary description of pollutant and flow reduction comparing the expected aggregate results of the alternate project to the results that would otherwise have been achieved by meeting the numeric performance requirements onsite.*
- *Attach calculations for retention requirement adjustment for technical infeasibility*
- *Attach calculations for off-site retention requirements*
- *Attach agreement for alternative compliance site use, for purposes of achieving compliance*
- *Attach Operations and Maintenance Plan for all stormwater control measures (include any Peak Management facilities)*

Post-Construction Owner Identification

At the time of completion of the construction work, and the shift to post-construction stormwater controls, the below listed owner is responsible for Operations and Maintenance of stormwater control measures:

Click here to enter text.

(If responsibilities are divided, list all responsible owners and associated measures.)

Certification

I _____ certify that the systems selected, sized, and designed as demonstrated in the attached calculations, meet the Runoff Retention Performance Requirement for this project per the Post Construction Requirements adopted by the Central Coast Regional Water Quality Control Board. Where identified in the attached documentation, Runoff Retention will be met through alternative compliance.

Signature

Date

Requirement 4 – Peak Management

(Reference Post Construction Stormwater Management Requirements for Development Projects in the Central Coast Region – Adopted July 12, 2013 California Regional Water Quality Control Board Central Coast Region – for details regarding requirements – Section B.5)

*Show any stormwater control measures used to meet the requirements of this section, **in the documentation and attachments required for Retention** (Form 3), including in all mapping and Operations and Maintenance materials.*

Peak Management Compliance

- Post-development peak flows, discharged from the site, do not exceed pre-project peak flows for the 2 through 10 years storm events.

- Technical infeasibility limits on-site compliance
 - Alternative compliance for retention proposed
 - Runoff volume – compliance not achieved onsite:
 - Runoff volume – alternative compliance used:

Attachments

- *Attach calculations showing pre-project discharge and post-project discharge for the 2 through 10 year storm events*
- *Attach documentation of technical infeasibility for on-site compliance, including a site specific hydrologic and/or design analysis supporting findings*
- *Attach description of alternative compliance project including a summary description of pollutant and flow reduction comparing the expected aggregate results of the alternate project to the results that would otherwise have been achieved by meeting the numeric performance requirements onsite.*
- *Attach agreement for alternative compliance site use, for purposes of achieving compliance*

Post-Construction Owner Identification

At the time of completion of the construction work, and the shift to post-construction stormwater controls, the below listed owner is responsible for Operations and Maintenance of the peak management control measures:

(If responsibilities are divided, list all responsible owners and associated measures.)

Certification

I _____ certify that the systems selected, sized, and designed as demonstrated in the attached calculations, meet the Peak Management requirements for this project per the Post Construction Requirements adopted by the Central Coast Regional Water Quality Control Board. Where identified in the attached documentation, Peak Management will be met through alternative compliance.

Signature

Date