COUNTY OF SAN LUIS OBISPO
DEPARTMENT OF PUBLIC WORKS

STORMWATER CONTROL PLAN APPLICATION

Departmental Use Only

Do Not Mark

Applicant and Engineer Information

Applicant Name:	Daytime Phone:
Mailing Address:	Zip Code:
Email Address:	

Engineer Name:	Daytime Phone:
Mailing Address:	Zip Code:
Email Address:	

Project Information

☐ Preliminary- Subdivision or Land Use Permit	☐ Final- Building/Grading Permit
Permit Number(s):	
Property APN#:	
Project Address:	

Impervious Surface Areas

Projects that create or replace less than 2,500 square feet of impervious surface area must complete the Stormwater PCR Waiver Request Form.

Existing, Pre-Project Areas:

Total Project Area (acres or square feet):	
Total Impervious Area (square feet):	Total Pervious Area (square feet):

Proposed, Post- Project Areas:

Total Project Area (acres or square feet):	**Total** Impervious Area (square feet):
New Impervious Area (square feet):	**Reduced** Impervious Area Credit (square feet):
Replaced Impervious Area (square feet):	**Net** Impervious Area*:

**Net Impervious Area = (New + Replaced Impervious Area) – (Reduced Impervious Area Credit). Reduced Impervious Area Credit (if applicable) is the total pre-project impervious area minus the total post- project impervious area. (No credit if post impervious areas > pre-impervious areas).*

Site Description

Is the project site within a downtown corridor?	☐ Yes ☐ No
Does the project involve redevelopment of a previously developed site?	☐ Yes ☐ No
Is the project surrounded on all sides by development?	☐ Yes ☐ No

Stormwater Performance Requirements

The following table summarizes the mandatory Performance Requirements based on the amount of impervious surface area that is created or replaced. Please review this table to determine which requirements apply to the project.

Net Impervious Surface square feet	**Performance Requirements**			
	Performance Requirement #1	Performance Requirement #2	Performance Requirement #3	Performance Requirement #4
0 - 2,499	*Complete Stormwater PCR Waiver Request Form*			
2,500 - 4,999	✔			
5,000 - 14,999	✔	✔ *		
15,000 – 22,499	✔	✔	✔	
≥ 22,500	✔	✔	✔	✔

** Not applicable for a single-family residence*

For additional guidance review the County of San Luis Obispo Low Impact Development (LID) Handbook: https://www.slocounty.ca.gov/Departments/Planning-Building/Forms-Documents/Stormwater-Forms-and-Documents/San-Luis-Obispo-County-Low-Impact-Development-Hand.pdf

Check the applicable performance requirements and indicate whether the project meets the requirement:

Performance Requirement #1- Site Design	Requirement met? ☐ Yes ☐ No
(Projects that meet Performance Requirement 1 only, complete this SWCP application pages 1-4 and attach any applicable exhibits)	
Performance Requirement #2*- Water Quality Treatment	Requirement met? ☐ Yes ☐ No
Performance Requirement #3- Runoff Retention	Requirement met? ☐ Yes ☐ No
Performance Requirement #4- Peak Management	Requirement met? ☐ Yes ☐ No
Will structural stormwater control measures be used to meet the performance requirements? ☐ Yes ☐ No	

***Projects that meet Performance Requirement 2, 3, or 4, must submit Pages 1 and 2 of this application in addition to a complete Stormwater Control Plan using the template provided at:*
https://www.slocounty.ca.gov/Departments/Planning-Building/Stormwater/Services/Stormwater-Requirements-for-New-Construction.aspx

Performance Requirement #1: Site Design Measures Applicants Can Incorporate to Reduce Stormwater Impacts

Applicants are encouraged to reduce stormwater impacts associated with development and redevelopment by incorporating these measures:

- Protect soils from compaction that will ultimately be used in landscaped areas.
- Amend soils designated to be used in landscaped areas.
- Create sumped landscaping areas over mounded landscaping areas to better retain irrigation and rain water.
- Direct driveway runoff and runoff from roof downspouts at least 10-feet away from foundations and towards landscaped beds and lawns where water can safely soak into the ground.
- Protect existing trees from construction impacts by placing safety fence around the root zone of the tree (minimally the shadow of the tree canopy at high noon) and/or plant new trees.
- Use permeable pavers for walkways, driveway and patios instead of concrete.
- Encourage water retention on site (but away from foundations).
- Install rain cisterns and/or rain barrels to capture and reuse roof rain water.

Performance Requirement 1: Site Design and Runoff Reduction Summary

Minimize stormwater runoff by implementing <u>one or more</u> of the following Site Design Measures.
Selected Design Measures must be clearly referenced on the project plans.

Site Design Measures	Selected?	If Yes, provide Plan Sheet / Detail location	If No, provide an explanation below
Roof runoff directed into cisterns or rain barrels for reuse?	☐ Yes ☐ No		
Roof runoff directed into vegetated areas (safely away from building foundations and footings)?	☐ Yes ☐ No		
Runoff from sidewalks, walkaways, and/or patios directed onto vegetated areas (safely away from the building foundations and footings)?	☐ Yes ☐ No		
Runoff from driveways and/or uncovered parking lots onto vegetated areas (safely away from the building foundations and footings)?	☐ Yes ☐ No		
Are bike lanes, driveways, uncovered parking lots, sidewalks, walkways, and patios constructed with permeable surfaces?	☐ Yes ☐ No		

Performance Requirement #1: Stormwater Site Design & Runoff Reduction Summary

For each of the following, please describe how this project has complied to the maximum extent practicable with the following site design and runoff reduction strategies (attach additional pages if needed).:

1. Limit disturbance of creeks and natural drainage features.

2. Minimize compaction of highly permeable soils.

3. Limit clearing and grading of native vegetation at the site to the minimum area needed to build the project, allow access, and provide fire protection.

4. Minimize impervious surfaces by concentrating improvements on the least-sensitive portions of the site, while leaving the remaining land in a natural, undisturbed state.

Certification

This project is designed to achieve full compliance with the applicable Central Coast Post-Construction Requirements

Preparer Name	
Preparer Signature:	Date
Was this application completed by a Registered Civil Engineer? ☐ Yes ☐ No	
Engineer Name	License Number:

Checklists for Performance Requirements #2, 3, or 4:

Complete and submit the following documentation:

1. Stormwater Control Plan Application (Pages 1 & 2 only).

2. Stormwater Control Plan, utilizing the County of San Luis Obispo Stormwater Control Plan Template:
    - Include pertinent Performance Requirement Checklists from Stormwater Control Plan Application.

3. Operations and Maintenance Documentation:
    - Agreement or Covenants, Conditions & Restrictions (CC&Rs) Documentation.
    - Exhibit A: Legal Description of included parcels.
    - Exhibit B: Structural Control Measures documentation and site map.
    - Plans and Manuals for maintenance and operation requirements.

Performance Requirement #2 Water Quality Treatment Checklist

Project Level Documentation		
☐ Net impervious area.	☐ Certification that onsite water quality treatment measures have been met onsite.	
Drainage Management Area (DMA) Documentation		
☐ Unique DMA Number.	☐ Area of each DMA.	☐ Pollutants of concern.
☐ Water Quality treatment approach (Self-treating, Biofiltration, LID, or Non-retention based treatment system.)		
☐ Support calculations demonstrating compliance with Treatment Performance Requirement.		
☐ Reference to Plan Sheet page where DMA exhibit is provided.		
For DMAs using Low Impact Development Treatment Systems:		
☐ 85th percentile 24-hour storm event value, and basis of determination.		
For DMAs using Biofiltration Systems:		
☐ Statement indicating why an LID treatment system was not appropriate.		
☐ Surface loading rate approach, and basis of determination. (0.2 x per hour intensity, or 2 x 85th percentile hourly rainfall intensity)		
☐ Calculations to demonstrate that the minimum surface reservoir volume is equal to the biofiltration treatment system surface area time for a depth of 6 inches.		
☐ Planting medium and planting depth construction detail (reference to page or detail in plans).		
☐ Planting medium specifications, either: 60%-70% ASTM C33 sand with 30-40% compost or Alternative media with testing documentation demonstrating media can minimally infiltrate at a rate of 5 inches per hour.		
☐ Plant selection consistent with LID Handbook guidelines.		
☐ Subsurface drainage/storage (gravel) layer with an area equal to the biofiltration treatment system surface area, minimum depth of 12 inches.		
☐ Underdrain detail with discharge elevation at top of gravel layer.		
☐ Construction detail or note specifying no compaction of soils beneath biofiltration areas, and requiring ripping/loosening of soils if compacted. (Provide reference to page or detail in plans.)		
☐ Specification that no liners or other barriers may be installed to limit infiltration, except for situations where lateral infiltration is not technically feasible.		

Performance Requirement #2 Water Quality Treatment Checklist (Continued)

For DMAs using Non-Retention Based Treatment Systems:
☐ Statement indicating why an LID or biofiltration treatment system was not appropriate.
☐ Hydraulic sizing criteria used, and basis of determination: Volume = to 85th percentile, 24-hour storm **or** flow basis (2 x 85th percentile hourly rainfall intensity or 0.2 x inches per hour intensity)

Performance Requirement #3 Runoff Retention Checklist

Site Assessment Documentation:

Include an exhibit or narrative of the opportunities and constraints to implementing Low Impact Development Stormwater Control based on the following items:

☐ Site topography.	☐ Hydrologic features such as contiguous natural areas, wetlands, watercourses, seeps, or springs.	☐ Depth to seasonal high groundwater.
☐ Locations of potable water wells.	☐ Depth to impervious geology (such as bedrock).	☐ Presence of unique or limiting geology.
☐ Geotechnical hazards.	☐ Documented soil and/or groundwater contamination.	☐ Soil types and hydrologic soil groups.
☐ Preserved vegetated cover or trees.	☐ Run-on characteristics (source and estimated stormwater volume discharging to the project area).	☐ Existing drainage infrastructure of the site and nearby areas, including municipal storm drains.
☐ Locations of structures, including flatwork and retaining walls.	☐ Locations of utilities.	☐ Easements and covenants.
☐ Setbacks.	☐ Open space requirements.	☐Other pertinent overlays.

Site Design Documentation

Include a narrative, and provide supporting exhibits as necessary, to demonstrate that the project design has implemented the following design strategies (as applicable).

Design Strategy	Means of Demonstrating Compliance
Define the development envelope and protected areas, identifying areas that are most suitable for development and areas to be left undisturbed.	Site Stormwater Assessment Exhibit.
Conserve natural areas, including existing trees, other vegetation, and soils.	Site Stormwater Assessment Exhibit with native vegetation, overlain with development footprint.
Limit the overall impervious footprint of the project.	Discussion regarding other building configurations considered (and ultimately rejected).

Performance Requirement #3 Runoff Retention Checklist (Continued)

Site Design Documentation *(Continued)*

Include a narrative, and provide supporting exhibits as necessary, to demonstrate that the project design has implemented the following design strategies (as applicable).

Design Strategy	Means of Demonstrating Compliance
Construct streets, sidewalks, or parking lot aisles to the minimum widths necessary, provided that public safety or mobility uses are not compromised.	Discussion on minimum allowable widths, and rationale for using larger values (if applicable) or confirmation that minimum values were used (where applicable).
Set back development from creeks, wetlands, and riparian habitats.	Discussion on set-back dimensions implemented.
Conform the site layout along natural landforms.	Within the Drainage Management Area (DMA) Exhibit, show topography with existing and planned contours cut and fill lines. Discussion of grading approach.
Avoid excessive grading and disturbance of vegetation and soils.	Exhibit with native vegetation, overlain with planned disturbed area limits.

Stormwater Structural Control Measure Sizing:

☐ Certification statement indicating that the selection, sizing, and design of stormwater control measures meets the applicable Water Quality Treatment and Runoff Retention Performance Requirements.

☐ If applicable, provide documentation of the volume of runoff for which compliance cannot be achieved onsite and the associated off-site compliance volume.

☐ If applicable, provide a statement of intent to comply with Water Quality Treatment and Runoff Retention Performance Requirements through an Alternative Compliance Agreement.

☐ Documentation demonstrating percentage of the project's Equivalent Impervious Surface Area dedicated to retention-based Stormwater Control Measures.

☐ Indicate the sizing strategy used in each DMA:

- Hydrologic analysis and sizing methods.
- Locally/regionally calibrated continuous simulation model that results in equivalent optimization of on-site runoff retention volumes.
- Hydrologic analysis and sizing methods, equally effective in optimizing onsite retention volumes of the runoff generated by rainfall.

☐ Provide supporting calculations demonstrating compliance with Performance Requirement #3.

☐ Indicate if a ten percent adjustment (based on technical infeasibility) is included in the design approach.

☐ Indicate if offsite mitigation is included in the design approach.

Performance Requirement #4 Peak Management Checklist

Project Level Documentation
☐ Point source discharge locations.
☐ Include hydraulic report demonstrating that post-development stormwater runoff peak flows discharged from the site do no exceed pre-project peak flows for the 2- through 10-year storm events.
☐ Certification statement indicating that the selection, sizing, and design of stormwater control measures meets the applicable Peak Management Requirements.
☐ If applicable, provide documentation of the volume of runoff for which compliance cannot be achieved onsite and the associated off-site compliance requirements.
☐ If applicable, provide a statement of intent to comply with the Peak Management Performance Requirement through an Alternative Compliance Agreement.