City of Grover Beach (805) 473-4520
154 S. Eighth Street, Grover Beach, CA 93433 Public Works Department

USER'S GUIDE TO CITY'S STORMWATER REGULATIONS

BACKGROUND

The City is required to comply with the requirements of the Federal Clean Water and State Porter-Cologne Water Quality Control Acts, as well as to implement National Pollutant Discharge Elimination System (NPDES) regulations. These regulations are intended to reduce impacts of Construction and Development projects to Meadow Creek, the Pacific Ocean and to the City's ground water supply.

We STRONGLY recommend reviewing the City's stormwater regulations before designing your project.
The following tables introduce standards and requirements that may need to be planned, designed, installed and maintained. This information needs to be taken into consideration at the earliest approval phase.

Refer to the city of Grover Beach website for the complete text of Municipal Code, Standard Plans and Specifications cited in these instructions.

GENERAL INSTRUCTIONS

1. All projects are required to submit **Standard Plan P.1** "Storm Water Control Plan" Cover Sheet.

2. Certain projects are considered exempt from the Post-Construction Standards defined in the City of Grover Beach Development Code Chapter 5.60.080, see **Table 1**. Projects not exempt from post-construction standards must complete the applicable stormwater control plan checklists and provide supporting documentation for each Performance Requirement triggered by the project. **Table 2** summarizes the Performance Requirements that apply to your project based on the net impervious surface area created by the project. Be sure to review the SWCP instructions for detailed compliance information.

3. All projects that include grading, removal of vegetation, construction of flatwork or other land-disturbing activities shall comply with the City of Grover Beach Development Code Chapter 5.50 "Grading and Drainage". Projects that result in increased impervious surfaces shall comply with Section 5.50.080 "Drainage Standards" which specifies the volume of stormwater that must be retained on site. **Table 3** summarizes retention requirements based on project type. Projects that trigger Post-Construction Standards performance requirement 3 must retain the larger of the calculated volumes between the 95th percentile storm associated with the Post-Construction Standards (City of Grover Beach Development Code Chapter 5.60.080) and the retention volume calculated based on Section 5.50.080 "Drainage Standards".

4. All projects that require on-site retention per 3 above, or other structural stormwater control measures to satisfy 2 above, shall complete and submit a "**Construction Notification for Private Stormwater Management Systems Operations and Maintenance**." Refer to the Post Construction Stormwater Management System Operations and Maintenance Form instructions provided. Approved forms and exhibits shall be recorded with the San Luis Obispo County Clerk recorded. A copy of the recorded forms shall be provided to the city prior to final permit approval.

5. All Contractors must manage their construction sites, regardless of site. City of Grover Beach Development Code Chapter 5.60.070 provides the requirements for managing construction sites. **Table 4** summarizes those requirements. The program for managing stormwater of construction sites will either be a Storm Water Pollution Prevention Plan (SWPPP), or a Water Pollution Control Plan (WPCP). Regardless of which document is required, it must be submitted to the City for approval prior to construction and once approved, be kept on site at all times.

Table 1. Post-Construction-Related Requirements Exempt Projects	
Municipal Code Section	5.60.080
City Specifications	8.02
Exempt projects	P1 SWCP Cover Sheet Only
1. Road and Parking Lot maintenance: a. Road surface repair including slurry sealing, fog sealing, and pothole and square cut patching b. Overlaying existing asphalt or concrete pavement with asphalt or concrete without expanding the area of coverage c. Shoulder grading d. Cleaning, repairing, maintaining, reshaping, or re-grading drainage systems e. Crack sealing f. Resurfacing with in-kind material without expanding the road or parking lot g. Practices to maintain original line and grade, hydraulic capacity, and overall footprint of the road or parking lot h. Repair or reconstruction of the road because of slope failures, natural disasters, acts of God or other man-made disaster 2. Sidewalk and bicycle path or lane projects, where no other impervious surfaces are created or replaced, and built to direct stormwater runoff to adjacent vegetated areas 3. Trails and pathways, where no other impervious surfaces are replaced or created, and built to direct stormwater runoff to adjacent vegetated areas 4. Underground utility projects that replace the ground surface with in-kind material or materials with similar runoff characteristics 5. Curb and gutter improvement or replacement projects that are not part of any additional creation or replacement of impervious surface area (e.g., sidewalks, roadway) 6. Second-story additions that do not increase the building footprint 7. Raised (not built directly on the ground) decks, stairs, or walkways designed with spaces to allow for water drainage 8. Photovoltaic systems installed on/over existing roof or other impervious surfaces, and panels located over pervious surfaces with well-maintained grass or vegetated groundcover, or panel arrays with a buffer strip at the most down gradient row of panels 9. Temporary structures (in place for less than six months) 10. Electrical and utility vaults, sewer and water lift stations, backflows and other utility devices 11. Above-ground fuel storage tanks and fuel farms with spill containment system	X
Project located in Urban Sustainability Area (not currently available)	X
Project creates or replaces less than 2,500 sf of impervious surface	X

If project does not meet exemption criteria listed in table 1, then it is a regulated project. Specific requirements for regulated projects are defined in table 2.

Table 2. Post-Construction-Related Requirements Regulated Projects							
Municipal Code Section	5.60.080						
City Specifications	8.02						
Regulated Projects Net impervious surface area	P1 SWCP Cover Sheet	Applicable SWCP Checklists	Performance Requirement (PR)				O&M Plan[3]
			PR1	PR2	PR3[2]	PR4	
2500 to 4,999 sf	X	X	X				
5,000 to 14,999 sf	X	X	X	X[1]			X
15,000 to 22,499 sf	X	X	X	X	X		X
>22,500 sf	X	X	X	X	X	X	X

[1] A single family residence with less than 15,000 sf of net impervious surface area is exempt from PR2 (Water Quality Treatment)

[2] Volume of runoff retained is the greater or PR3 volumes or retention requirements associated with City of Grover Beach development code section 5.50.080.

[3] O&M Plans are only required when structural control measures are used to satisfy post-construction requirements.

Where:

PR1 – Site design
PR2 – Water Quality Treatment
PR3 – Runoff Retention
PR4 – Peak Management

A currently licensed in the State of California professional civil engineer must certify supporting calculations and exhibits for Performance Requirement 2, 3 and 4 for compliance.

Table 3. Drainage Standards - Retention-Requirements		
Municipal Code Section	5.50.000 C	
City Specifications		
Type of Project	Retention Calculations Impervious area (standard plan)	O&M Plan
New construction on vacant lot	100% of new impervious area (D.11/D12)	X
Replacement of primary structure (existing)	100% of all impervious area (D13/D14)	X
New construction that results in an increase to impervious area equal to or greater than 40%	100% of all impervious area (D13/D14)	X
New construction that results in an increase to impervious surface area less than 40%	Net increase to existing impervious area (D13)	X
Lots developed or redeveloped within a multi-lot development that includes a common drainage retention basin sized in compliance with Section 5.50.000C	Exempt	
Volume of On-Site drainage retention required (cf) = impervious area (sf) x 0.325 ft Volume of runoff retained is the greater or PR3 retention volumes (if required) or drainage standard retention requirements above. A currently licensed in the State of California professional civil engineer must certify supporting calculations and exhibits of retention volumes associated with drainage standards.		

Table 4. Construction-Related Requirements				
Municipal Code Section	5.60.070			
City Specifications	8.01A			
Type of Project	WDID No.[1]	SWPPP[2]	C1: WPCP	C2: E&SCP[3]
>1 acre disturbance & does not qualify for an erosivity waiver	X	X		X
>1 acre and qualifies for an erosivity waiver	X		X	X
<1 acre but determined to be a High Priority Project. High Priority Projects are those that have a: ☐ potential to discharge directly or indirectly into Meadow Creek or the Ocean; ☐ direct contact with groundwater; ☐ have cuts/fills in excess of six feet; ☐ have slopes steeper than 3:1; or ☐ are being implemented by a contractor with a history of non-compliance.			X	X
<1 acre and determined NOT to be a high priority project			X	

[1] Applicants with projects subject to the Construction General Permit, or that have met the criteria for an Erosivity Waiver, must provide proof of WDID No prior to breaking ground.

[2] Project SWPPP must be developed by a Qualified SWPPP Developer (QSD) and be prepared in accordance with the requirements specified in the most current version of the Construction General Permit.

[3] A currently licensed in the State of California professional civil engineer or a Qualified SWPPP Developer (QSD) must prepare a site specific Erosion and Sediment Control Plan (E&SC Plan).

STANDARD PLAN P.1
STORMWATER CONTROL PLAN
APPLICATION AND COVERSHEET

Public Works Department City of Grover Beach
154 S. Eighth Street, Grover Beach, CA 9343 ● (805) 473-4520

1) APPLICATION INFORMATION

Applicant Name: _____

Mailing Address: _____

Daytime Phone: _____

Email Address: _____

2) PROJECT INFORMATION

☐ **PRELIMINARY** – Subdivision or Land Use Permit ☐ **FINAL** – Construction Permit

Permit Number: _____

Property APN: _____

For items # 3, 4, and 5 – Please refer to Chapter 3 of the SLO County LID Handbook

3) IMPERVIOUS SURFACE VALUES – *Refer to the Glossary or Appendix C in the SLO County LID Handbook*

Pre-Project (sqft)

Impervious Area: _____ Total Project Area: _____

Post-Project (sqft)

Total Impervious Area: _____ Pervious Area: _____

New Imp. Surface: _____ *Removed Imp. Surface:* _____

Replaced Imp. Surface: _____

Total Site Disturbance: _____

4) REVIEW FOR EXCEPTION – *Refer to Figure 3-2 in the SLO County LID Handbook*

☐ **SWCP REQUIRED** – The project involves at least 2,500 square feet of impervious surface area.

☐ **SWCP EXEMPT** – The project is exempt from a Stormwater Control Plan for the following reason:

- ☐ The project creates or replaces less than 2, 500 square feet of impervious area.
- ☐ Previous land use approval. The project has received land use approval prior to March 6, 2014. List project number: _____

5) PERFORMANCE REQUIREMENTS

☐ **Exempt from SWCP**

☐ **#1 – Site Design**	Performance Requirement Met?	☐ YES	☐ NO
☐ **#2 - Water Quality Treatment**	Performance Requirement Met?	☐ YES	☐ NO
☐ **#3 – Runoff Retention**	Performance Requirement Met?	☐ YES	☐ NO
☐ **#4 – Peak Management**	Performance Requirement Met?	☐ YES	☐ NO

Are structural stormwater control measures proposed? ☐ YES ☐ NO

6) DESIGN CRITERIA

☐ **EXEMPT from SWCP**

Watershed Management Zone No.: _____ *Refer to Appendix A*

Applicable Rainfall Event (percentile): _____ *Refer to table 3-3 in the SLO County LID Handbook*

24-hour Rainfall Isohyetal Line (in): _____ *Refer to Appendix A, Figure 2 and/or 3.*

7) CERTIFICATION

☐ **Exempt.** This project is exempt from submitting a SWCP.

☐ **Full Compliance.** This project fully complies with all applicable Performance Requirements.

☐ **Alternative Compliance.** This project is unable to fully comply with all applicable Performance Requirements. As such, the applicant is requesting to use methods of alternative compliances:

Reason for non-compliance:

_____

_____

_____

_____

_____

Method for alternative compliances:

_____

_____

_____

_____

_____

This SWCP was prepared by a Registered Civil Engineer: ☐ YES ☐ NO

Engineer Name: License No.

I have completed this form accurately and declare that all statements here are true.

Prepare signature Date

Preparer's name (if other than the Engineer listed above)

STORMWATER SITE DESIGN ANALYSIS

Public Works Department City of Grover Beach File No. _____

SITE DESCRIPTION

Is the project site located with the Business District?	☐ YES	☐ NO
Was the project site previously developed?	☐ YES	☐ NO
Is the project site surrounded on all sides by development?	☐ YES	☐ NO

SITE DESIGN

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

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.

Stormwater Control Plan (SWCP) Checklist

Report

- ☐ Stormwater Control Plan (SWCP) Application (**Pages 1 and 2 of this package**)
- ☐ Stormwater Site Design Analysis (**Page 3 of this package**)
- ☐ SWCP Completed according to SWCP Template (**Appendix G of the SLO County LID Handbook**)

Attachments

- ☐ Supporting Calculations
- ☐ Completed checklists (**Pages 5-11 of this package**) for SWCP and each applicable Performance Requirement or Alternative Compliance, as appropriate
- ☐ Site Stormwater Assessment Exhibit
  - o Site map with (existing and proposed) topographic information
  - o Delineation of sensitive areas, native vegetation and soils types. (Can be provided on multiple exhibits to supplement design strategy narrative)

For projects subject to Performance Requirements 2, 3 and/or 4:

- ☐ Drainage Management Area (DMA) Exhibit.
  - o Uniquely identify each DMA and indicate if the DMA is self-retaining (zero discharge), self-treating, or draining to a treatment/flow control facility.
  - o Include location of all infiltration, treatment, or flow-control facilities, their tributary area and basis for sizing (rational C, NRCS CN value, Tc, etc.)
  - o Potential pollutant source areas (if applicable), including loading docks, food service areas, refuse areas, outdoor processes and storage, vehicle cleaning, repair or maintenance, fuel dispensing, equipment washing, etc.
  - o Plan Set with Construction Details for drainage related items (as appropriate)
- ☐ Operation and Maintenance Documentation (if applicable) (**Appendix B, this package**)
  - o Constructive Notification
  - o EXHIBIT A – Post Construction Stormwater Management System Operations & Maintenance Plan
    - ▪ PART 1 – General Information and Specifications
    - ▪ PART 2 – Drawings & Photos
    - ▪ PART 3 – Certification and Approval
  - o EXHIBIT B – Post Construction Stormwater Management System Operations & Maintenance Checklist

Performance Requirement 1: Site Design and Runoff Reduction SWCP Checklist				
DESIGN STRATEGY (SLO CO HANDBOOK LOCATION)			MEANS OF DEMONSTRATING COMPLIANCE	
1.	Limit disturbance of creeks and natural drainage features. (4.2.1)		Pre and post drainage feature map. Delineate natural drainage features on-site stormwater assessment exhibit and DMA exhibit, as applicable.	
2.	Minimize compaction of highly permeable soils. (4.2.2)		Site Stormwater Assessment Exhibit of soil types, overlain with development footprint	
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. (4.2.3)		Site Stormwater Assessment Exhibit with native vegetation, overlain with development footprint	
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. (4.2.4)		Site Stormwater Assessment Exhibit with delineated sensitive areas overlain with development footprint	
MINIMIZE STORMWATER RUNOFF BY IMPLEMENTING ONE OR MORE OF THE FOLLOWING DESIGN MEASURES:				
5.	MANDATORY SITE DESIGN MEASURES SELECT AT LEAST ONE, (CO. HANDBOOK LOCATION)		Selected	Reason, for not selecting
	a.	Roof runoff directed into cisterns or rain barrels for reuse? (5.2.1)		
	b.	Roof runoff directed into vegetated areas (safely away from building foundations and footings)? (5.2.2)		
	c.	Runoff from sidewalks, walkaways, and/or patios directed onto vegetated areas (safely away from the building foundations and footings)? (5.2.3)		
	d.	Runoff from driveways and/or uncovered parking lots onto vegetated areas (safely away from the building foundations and footings)? (5.2.4)		
	e.	Are bike lanes, driveways, uncovered parking lots, sidewalks, walkways, and patios constructed with permeable surfaces? (5.2.5)		

This checklist must be included with every project application (except for projects deemed EXEMPT). See Figure 3-2 of Chapter 3, SLO County Handbook to determine if your project is considered exempt, or regulated.

Performance Requirement 2: Water Quality Treatment SWCP Checklist

Project Level Documentation, identify

☐ Project Net Impervious Area

☐ Certification that on-site water quality treatment measures have been met on-site, or if not achievable:
- o Documentation of the volume of runoff for which compliance cannot be achieved on site and the associated off-site compliance requirements
- o Statement of intent to comply with Water Quality Treatment Performance Requirement through Alternative Compliance

For each Drainage Management Area, provide:

☐ Unique DMA Number, area, and likely pollutant(s) of concern

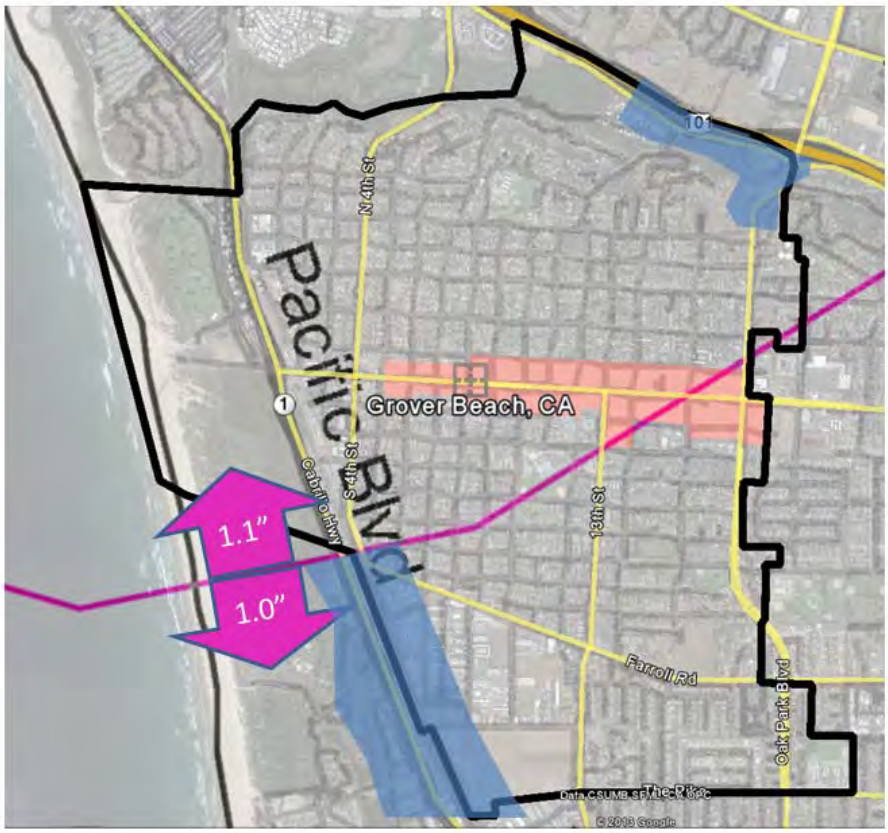
☐ Water Quality Treatment Approach
N/A if self-treating, or,
Through the use of LID, Biofiltration or Non-retention Based Treatment System)

☐ Supporting calculations demonstrating compliance with Treatment Performance Requirement

☐ Plan sheet page and detail number (if appropriate) of Drainage Management Areas (DMA) Exhibit where construction details are provided for each DMA.

For DMAs using Low Impact Development Treatment Systems, provide:

☐ 85th percentile 24-hour storm event value, and basis on the rainfall depths provided in figure below.



Projects subject to PR2 must treat the 85th percentile storm event.
For projects above the pink line, the 85th percentile storm is a 1.1-inch storm.
For projects below the pink line, the 85th percentile storm is a 1.0-inch storm.
For projects in the blue shaded area, the 85th percentile storm is a 0.9-inch storm.

Performance Requirement 2: Water Quality Treatment SWCP Checklist
For DMAs using Biofiltration Systems, provide: ☐ 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 a depth of 6-inches ☐ Construction detail (or reference to page on plans) which provides: o Minimum planting depth o Planting medium specifications. Either: ▪ Specify 60 to 70% ASTM C33 sand, with 30-40% compost , or ▪ Provide testing documentation demonstrating planting medium specified can minimally infiltrate at a rate of 5 inches per hour) o Plant selection consistent with Appendix L o Subsurface drainage/storage (gravel) layer with an area equal to the biofiltration treatment system surface area and having a minimum depth of 12 inches; o Underdrain with discharge elevation at top of gravel layer; o No compaction of soils beneath the biofiltration facility (ripping/loosening of soils required if compacted) o No liners or other barriers interfering with infiltration, except for situations where lateral infiltration is not technically feasible. For **DMAs using Non-Retention Based Treatment Systems**, provide: ☐ 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 SWCP Checklist	
SITE ASSESSMENT MEASURES: (see table 3.5 SLO Co Handbook) Include an exhibit and narrative of the opportunities and constraints to implementing LID Stormwater Control measures based on the following items (as applicable):	
☐ Site topography ☐ Hydrologic features including contiguous natural areas, wetlands, watercourses, seeps, or springs ☐ Depth to seasonal high groundwater ☐ Locations of groundwater wells used for drinking water ☐ Depth to an impervious layer such as bedrock ☐ Presence of unique geology (e.g., karst) ☐ Geotechnical hazards ☐ Documented soil and/or groundwater contamination ☐ Soil types and hydrologic soil groups ☐ Vegetative cover/trees	☐ Run-on characteristics (source and estimated runoff from offsite which discharges to the project area) ☐ Existing drainage infrastructure for the site and nearby areas, including the location of municipal storm drains ☐ Structures, including retaining walls ☐ Utilities ☐ Easements ☐ Covenants ☐ Zoning/Land Use ☐ Setbacks ☐ Open space requirements ☐ Other pertinent overlay(s)

SITE DESIGN MEASURES
Include in 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
1.	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.
2.	Conserve natural areas, including existing trees, other vegetation, and soils	Site Stormwater Assessment Exhibit with native vegetation, overlain with development footprint
3.	Limit the overall impervious footprint of the project	Discussion regarding other building configurations considered (and ultimately rejected)
4.	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).
5	Set back development from creeks, wetlands, and riparian habitats	Discussion on set-back dimensions chosen.
6	Conform the site layout along natural landforms	Within the Drainage Management Area (DMA) Exhibit, show Topo survey with existing and planned contours cut and fill lines. Discussion of grading approach.
7	Avoid excessive grading and disturbance of vegetation and soils	Exhibit with native vegetation, overlain with planned disturbed area limits.

Performance Requirement 3: Runoff Retention SWCP Checklist Continued

STORMWATER STRUCTURAL CONTROL MEASURE SIZING

For Overall project,

☐ Certification statement indicating that the selection, sizing, and design of Stormwater Control measures meets the applicable Water Quality Treatment and Runoff Retention Performance Requirements, or, if not achievable

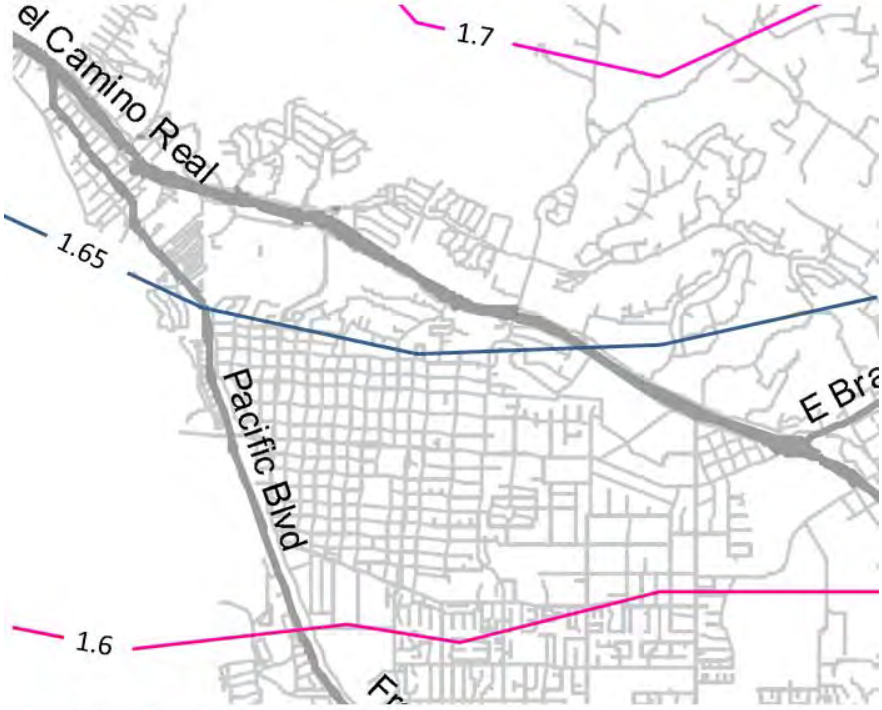
- o Provide documentation of the volume of runoff for which compliance cannot be achieved on-site and the associated off-site compliance volume
- o Statement of intent to comply with Water Quality Treatment and Runoff Retention Performance Requirements through an Alternative Compliance Agreement

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

For each DMA,

☐ Indicate sizing strategy used

- 0 Hydrologic analysis and sizing methods as outline in **Attachment C, SLO Co Handbook**
- 0 Locally/regionally calibrated continuous simulation model that results in equivalent optimization of on-site runoff retention volumes
- 0 Hydrologic analysis and sizing methods, equally effective in optimizing on-site retention volumes of the runoff generated by the rainfall events specified below:



Projects subject to PR3 must retain the 95th percentile storm event.
The required infiltration storm is between 1.6 and 1.65 inches, 24-hour rainfall depth event.

☐ Provide supporting calculations demonstrating compliance with Runoff Retention Performance Requirement

☐ Indicate if a ten percent adjustment (based on technical infeasibility) is included in design approach (see **Appendix D, SLO Co Handbook**)

☐ Indicate if off-site mitigation is included in design approach (see **Appendix D, SLO Co Handbook**)

Performance Requirement 4: Peak Management SWCP Checklist
Project Level Documentation, identify ☐ Point source discharge locations ☐ Hydraulic Report demonstrating that post development storm water runoff peak flows discharged from the site do not exceed pre-project peak flows for the 2- through 10-year storm events) ☐ Certification that on-site water quality treatment measures have been met on-site, or if not achievable: o Documentation of the volume of runoff for which compliance cannot be achieved on site and the associated off-site compliance requirements o Statement of intent to comply with Water Quality Treatment Performance Requirement through Alternative Compliance

Performance Requirement 5: Special Circumstances SWCP Checklist
Project Level Documentation, identify ☐ Which types of Special Circumstances apply ☐ Which Watershed Management Zones (WMZ) the project is located in ☐ Identification if the project is located atop of a designated Groundwater Basin ☐ Proposed Performance Requirement modifications based on special circumstances o Peak Management o Runoff Retention For **highly altered channels**, ☐ Vicinity map indicating channel location relative to project, and downstream receiving waters ☐ Narrative, and supporting calculations (as applicable) regarding anticipated impacts to downstream waters For **intermediate flow control facilities**, ☐ Vicinity map indicating location of intermediate flow control facilities relative to project, and downstream receiving waters ☐ Quantification of pre-project tributary area to intermediate flow control facility performance ☐ Quantification of proposed post-project tributary area to intermediate flow control facility performance ☐ Summarize flow control performance data (pre and post) and include supporting performance information based on numeric, hydraulic modeling, including flow volumes, durations and velocities ☐ Narrative, and supporting calculations (as applicable) regarding anticipated impacts to downstream waters The City must obtain approval from the Water Board prior to authorizing the use of a **Historic Lake and Wetlands Special Circumstance.** Your SWCP must include; ☐ Vicinity map delineating location of historic lake and/or wetlands relative to project ☐ Supporting technical information to substantiate the request ☐ Narrative, and supporting calculations (as applicable) regarding anticipated impacts to downstream waters ☐ Stamped submittal (by registered professional engineer, geologist, architect, and/or landscape architect)

Alternate (Off-Site) Compliance SWCP Checklist

The City will *only* consider alternative compliance for projects that:

- cannot retain the full runoff retention volume required, can demonstrate technical infeasibility for full retention AND are unable to dedicate 10% of the project's equivalent impervious surface area for retention purposes (see **Appendix D**).
- are within a Urban Sustainability Area (USA)
- are subject to a RWCQB approved Regional Stormwater Plan

Projects approved for alternative compliance must identify and secure rights to use an alternative site. Potential off-site compliance alternative projects might include green streets retrofits, off-site drainage features, riparian habitat restoration projects, etc. The off-site compliance alternative project must be located within the same watershed as the project.

It is recommended that discussions with City staff begin early in the development process regarding the acceptability of an off-site compliance alternative project.

Project Level Documentation, identify

☐ Indication of site conditions which are resulting in LID technical infeasibility

- o Depth to seasonable high groundwater limits infiltration and/or prevents construction of subgrade stormwater control measures
- o Depth to an impervious layer such as bedrock limits infiltration
- o Sites where soil types significantly limit infiltration
- o Sites where pollutant mobilization in the soil or groundwater is a documented concern
- o Space constraints (e.g., infill projects, some redevelopment projects, high density development)
- o Geotechnical hazards
- o Stormwater Control Measures located within 100 feet of a groundwater well used for drinking water
- o Incompatibility with surrounding drainage system (e.g., project drains to an existing stormwater collection system (road gutter for storm drain system whose elevation or location precludes connection to a properly functioning treatment or flow control facility)

☐ Indication of site conditions which are resulting in Bioretention technical infeasibility

- o Biofiltration is not compatible with surrounding drainage system
- o Location available for biofiltration facility is in an area with identified erosion or landslide hazards
- o Location available for biofiltration facility is on a slope equal to or in excess of 8 percent
- o Location available for biofiltration facility is within 50-feet from the projected top of the slope (using projected angle of repose) that is great than 20%
- o Areas where runoff potentially contains industrial wastes
- o Areas where there is a higher risk of concentrated spills (such as gas stations, truck stops)

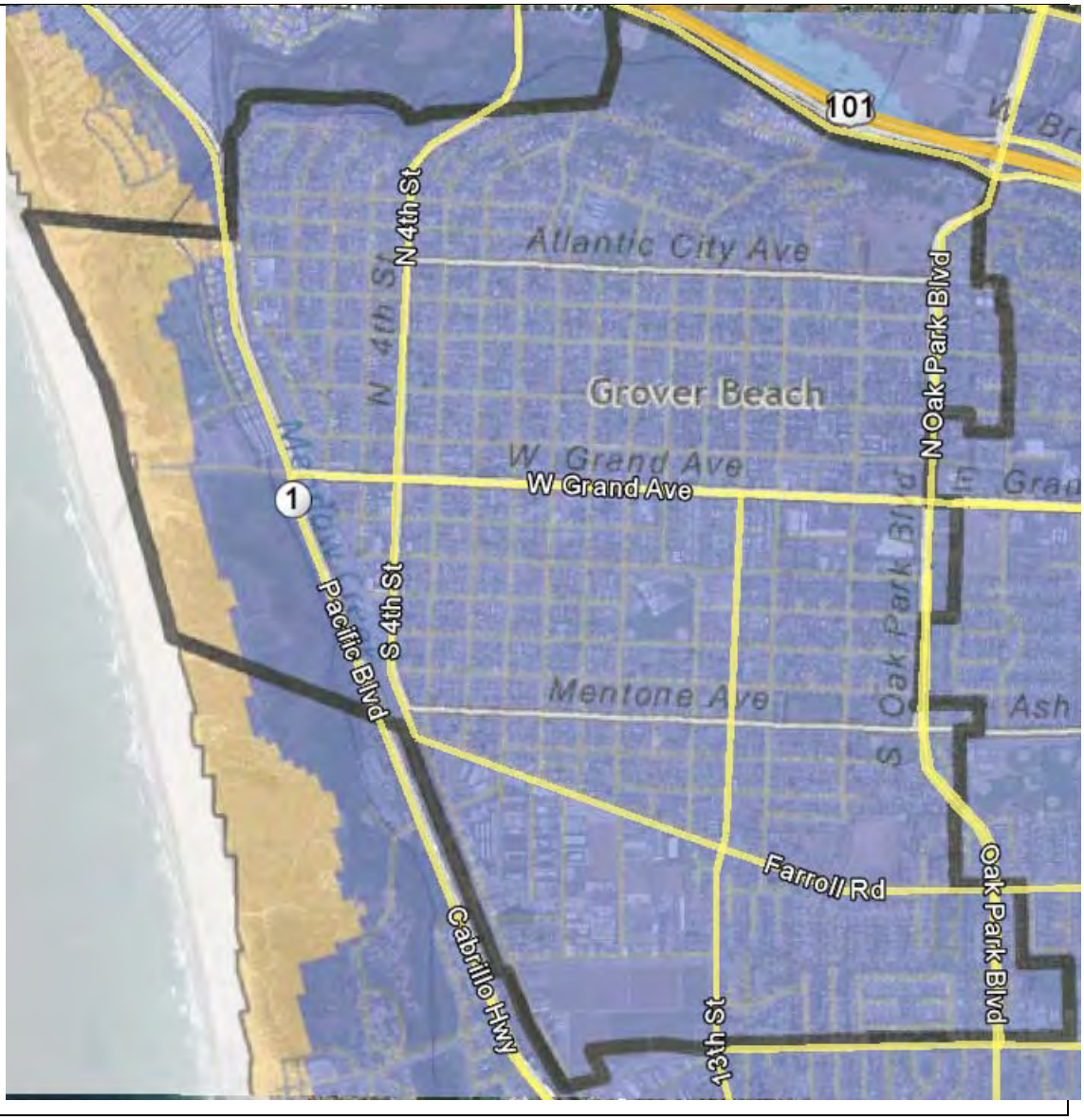
☐ Site-specific hydrologic and/or design analysis conducted and endorsed by a registered professional engineer, geologist, architect, and/or landscape architect, demonstrating that compliance with the applicable numeric Post-Construction Stormwater Management requirements is technically infeasible.

☐ Schedule for completion of offsite project with milestone dates to identify funding, design, and construction of the off-site project(s)

Appendix A – Watershed Management Zone

WMZ-1

WMZ-2



Appendix B – Operation and Maintenance Documentation

Pursuant to City of Grover Beach Municipal Code, Article IX, Chapter 5.60.080 “Post-Construction Stormwater Management Provisions”, all property owners with post-construction storm water devices on their property shall enter into an agreement with the City, to be recorded, documenting the devices, the required maintenance plan and the responsibility by the property owners for maintenance and reporting.

This section includes:

- Constructive Notification
- EXHIBIT A – Post Construction Stormwater Management System Operations & Maintenance Plan
  - PART 1 – General Information and Specifications
  - PART 2 – Drawings & Photos
  - PART 3 – Certification and Approval
- EXHIBIT B – Post Construction Stormwater Management System Operations & Maintenance Checklist

All property owners with post-construction storm water devices on their property shall submit to the director annual inspection/maintenance reports to confirm continued compliance with Ordinance 13-04. Reports shall be signed and certified by the property owner or the authorized representative.

INSTRUCTIONS FOR RECORDING CONSTRUCTIVE NOTIFICATION

After determining a development is required to complete a Stormwater Control Plan (SWCP) with post construction Best Management Practices (BMPs), the applicant (land owner/developer) shall record a Constructive Notification for Private Stormwater Management System Operations and Maintenance with the San Luis Obispo County Clerk-Recorder's office. The constructive notification shall be recorded prior to occupancy.

OVERVIEW OF PROCEDURE

I. Complete Constructive Notification and Exhibits

The applicant shall fill out the three (3) part constructive notification prior to submitting for review and approval. (See DETAILED INSTRUCTIONS below for filling out the Constructive Notification, EXHIBIT A and EXHIBIT B forms.)

II. Submit the Constructive Notification & Exhibits to the Engineering Department.

Upon completion of the draft constructive notification, the applicant shall submit a copy to the City for review and approval. The constructive notification shall be submitted to the following address (or submitted via email to the City contact person):

City of Grover Beach, Public Works Department
154 S. Eighth Street
Grover Beach CA 93433

III. Revise and Resubmit (if applicable)

The applicant shall make any necessary modifications to the constructive notification based on the City's review. The revised constructive notification shall then be resubmitted to the City.

IV. Notarize Constructive Notification

Following City approval (including City Representative signature on EXHIBIT A), the constructive notification shall be notarized. The applicant shall retain a notary public to notarize the constructive notification. The applicant shall sign the constructive notification and the notary shall complete and sign the constructive notification.

V. Record Constructive Notification

Following notarizing, the constructive notification (and Exhibits) shall be recorded with the County Clerk Recorders office located at:

County of San Luis Obispo Clerk-Recorder's Office
1055 Monterey Street Room D120
San Luis Obispo, CA 93408-3237

The Clerk-Recorder will keep the document for processing and mail the original back to the Engineering Division. The applicant may purchase a copy of the constructive notification. For additional information on recording documents and associated fees, visit the County Clerk- Recorder's website at http://www.slocounty.ca.gov/clerk.htm.

VI. Inspections

Annually, the current property owner (or representative) shall complete a self-inspection of the Project Stormwater Management System. EXHIBIT B of the recorded constructive notification shall be completed and submitted annually by October 15th to:

City of Grover Beach, Public Works Department
154 S. Eighth Street
Grover Beach CA 93433

For questions please contact the Engineering Department at (805) 473-4520.

DETAILED INSTRUCTIONS

CONSTRUCTIVE NOTIFICATION

NOTE: The Condition Compliance Monitoring Number (CCM#) will be provided by the Engineering Department during review. The CCM# shall then be used on all annual correspondence the City.

The following information shall be completed:

- Property Address
- Property APN
- Permit/Project #
- Property Legal Description

NOTE: The legal description is available in the property owner's title report.

See section IV above regarding Notarize Constructive Notification

EXHIBIT A - POST CONSTRUCTION STORMWATER MANAGEMENT SYSTEM OPERATIONS AND MAINTENANCE PLAN

PART 1A - GENERAL INFORMATION

1 **Property APN(s):** If the project has a shared Stormwater Management System (i.e. HOA), insert all the Property APNs served by the SYSTEM. Highlight the Property APN which contains the shared Structural Stormwater Control Measures (SCMs), such as a basin.

2 **Project Address(es):** where the Structural Stormwater Control Measures (SCMs) to be maintained are located.

3-6 Self-explanatory

7-8 **Designer** and **Company/Firm:** Insert name of the original designer of the stormwater management system. In the case that the Designer is no longer available or practicing, the Company/Firm to which the designer worked will be considered responsible to supply information regarding the SYSTEM.

9-11 Self-explanatory

12 **Estimated Annual Cost for Maintenance Once Established (Attach Cost Estimate Spreadsheet):** Designer to provide an estimate of annual cost to owner for services to inspect, maintain, and report on SYSTEM per instructions provide in this Exhibit. (Consider line item for inflation.)

13 **Other Pertinent Info:** For example, is the SYSTEM shared? Specifics of how will it be managed.

PART 1B - STRUCTURAL CONTROL MEASURE (SCM) DETAILS

General: Data provided on these sheets should match information provided in the Stormwater Control Plan (SWCP) or other plans approved by the City of Pismo Beach for the permitted project.

A Structural Control Measure (SMC) is defined by the RWQCB as: *Any structural facility designed and constructed to mitigate the adverse impacts of storm water and urban runoff pollution.*

Numbers for SCMs shall be assigned by the City of Pismo Beach officials at approval of the project SWCP or other plan.

1 **Purpose(s) of SCM (check all that apply):** See City of Pismo Beach Stormwater Management Requirements.

2 Self explanatory

3 **Description & Location of SCM (As necessary, refer to PART 2 – Drawings & Photos):** The most effective means to describe the location of SCMs on a project site is in reference to a Drawing. (See Part 2 explanation.) If there is a basin serving multiple properties on its own lot, note which properties (by APN) the SCM serves.

4 **Drainage Design Criteria:** Per approved SWCP or Drainage Plan.

5 **Design Details (as applicable):** Per approved SWCP or Drainage Plan. If it does not apply, write N/A.

6 Self-explanatory

7 **SCM Inspection & Maintenance Requirements:** These requirements will be based on the design life and considerations of the SCMs ability to meet requirements for water quality and/or flow control as set out by RWQCB and the City of Pismo Beach.

Short Term Requirements include those things that will be required within a reporting year, i.e. clearing of debris, sediment or other obstructions to inlets.

Long-Term Requirements would be those things done on multiple-year schedule (2-year, 5 year, 10 year) to ensure the continual proper functioning of the SCM. For example, for a filter strip or biofiltration swale, include a plan ensuring the vegetation is healthy and method for replacement of plants (planting plan). For basins (infiltration or detention), provide a schedule for vegetation management and sediment removal. The replacement of inlet grates or other devices that could rust or degrade should be considered in this area, along with the design life.

PART 2 - DRAWINGS AND PHOTOS

The official documents related to the approved design of the Project's Stormwater Control Measure(s) (signed by the Engineer of Record) are required as a part of the Plan. If changes are made to the design of the SCM during construction, Record Drawings must be submitted. Include dated photos of the completed SCM with pertinent notes (i.e. direction from which the photo was taken.)

Reduced size Site and Drainage Plans and/or Details Sheets shall be provided. Any relevant details shall be copied at the original scale on 8.5x11 (for example, on an exhibit) for inclusion in the Plan. Ensure any exhibits include all the listed components.

PART 3 - CERTIFICATION AND APPROVAL

Along with the Owner and Designer, the designer or a 3rd party professional engineer, geologist, architect or landscape architect is required to field verify the Stormwater Control Measure(s) per RWQCB Resolution No. R3-2013-0032 Attachment 1, Section D. Field Verification of Post-Construction Stormwater Control Measures. Prior to the submittal of this Plan, it is recommended that the field verifier signatory and City official signatory visit the site together to inspect the SCMs, discuss the proposed plan and any potential issues prior to submittal.

EXHIBIT B - POST CONSTRUCTION STORMWATER MANAGEMENT SYSTEM OPERATIONS AND MAINTENANCE CHECKLIST TEMPLATE

General: The initial purpose of Exhibit B is to produce a template checklist which will be used for inspections and submitted to the City annually by June 15th. The approved template will be included in the recorded document, so consideration of checklist items that meet the short and long term maintenance requirements of the SCM is important. Since each SYSTEM design is different, it is the responsibility of the designer/engineer to advise the owner in completing the checklist, which must be approved by the City prior to recordation.

For this reason, the template can change in content to meet the particular SCM's maintenance needs. Two examples are included for a Biofiltration Area/Swale and Catch Basin(s).

Suggestions for Inspection Timing: Note that the official rainy season in California is October 15th – April 15th, so annual inspections of SYSTEMS would logically occur before October 15th to beat the possibility of a storm coming before any required maintenance is undertaken. Monthly inspections could be scheduled along with planned landscaping maintenance of the overall site, so the removal of vegetation debris or sediment could be done simultaneously. If the Project is a HOA-run development or similar, it will be beneficial to consider the project Operations & Maintenance schedule and add the SYSTEM maintenance therein.

Inspectors: It is required for a licensed Civil Engineer or Qualified SWPPP Practitioner (QSP) to sign off on the checklist annually. However, this does not prevent the signatory from delegating inspection responsibly to trained maintenance staff. All inspectors must be listed, and initialed to designate who did each inspection. However, the responsibility for certifying that the information provided is true & correct rests on the signatory.

Corrective Action/ Required Maintenance: Inspectors shall estimate how long it will take to rectify the situation in discussion with the owner, and re-inspect promptly. Any issues that are not addressed shall be recorded.

RECORDING REQUESTED BY:

WHEN RECORDED, PLEASE RETURN TO

City of Grover Beach, Public Works Department
154 S. Eighth Street
Grover Beach CA 93433

NOTICE OF ADDITIONAL INFORMATION

CCM#_____ (*for office use–staff to provide*)

Property Address: _____
(Street No. & Street Name, City, State, Zip)

Property APN: _____ **Permit/Project#:** _____

Property Legal Description:

_____

_____

Owner of the aforesaid property does here by give

CONSTRUCTIVE NOTIFICATION

For Private Stormwater Management System Operations and Maintenance

The Applicant (Individual, Married Person, a HOA, A for Profit, or non-Profit Corporation), herein after referred to as **"OWNER"** of the real property referenced above, hereby required by existing City codes and regulations to utilize "on-site stormwater management systems (i.e. structural and/or non-structural) to minimize runoff and pollutants in runoff and to provide permanent storm drainage to control, manage, retain, treat, infiltrate and dispose of" (1) "on-site storm drainage for the Project" and (2) "ancillary street and site drainage from the adjoining street and sites" as stipulated in the approved project plans and contained within the required Stormwater Management System Operations & Maintenance Plan.

The Owner is solely responsible for the **Private Stormwater Management System,** hereinafter referred to as "**SYSTEM**" and attached as Exhibit "A". The Owner agrees to the following conditions in compliance with all local, state, federal laws and regulations:

1. **MAINTENANCE**: OWNER shall maintain, monitor, inspect, clean and repair the SYSTEM as required in Exhibit "A" – Post Construction Stormwater Management System Operations & Maintenance Plan.
2. **DOCUMENT & REPORT:** OWNER shall document all maintenance, monitoring, inspections, cleanings and repairs made to the SYSTEM in the annual report **submitted to the City by October 15th of each year** in the form as approved by the City as detailed in Exhibit "B" – Post Construction Stormwater Management System Operations & Maintenance Checklist.
3. **COUNTY RIGHTS & AUTHORITY: Pursuant to City of Pismo Beach Code Title 13.28.220,** the City has the right and authority to inspect the SYSTEM to determine compliance with this constructive notification (i.e. maintenance, monitoring, inspections, cleanings, repairs, documentation and reporting) which may result in enforcement activities and/or abatement if necessary pursuant to existing and future laws and regulations.
4. **FAILURE TO MAINTAIN, MONITOR, INSPECT, CLEAN, REPAIR AND REPORT SYSTEM:** Failure to maintain, monitor, inspect, clean, repair, or document and report as required herein shall constitute a public nuisance. The County may remedy such public nuisance through any of the applicable procedures as set forth in the City of Pismo Beach Code, and/or may pursue any other legal or equitable remedies to abate such public nuisance.

5. **INDEMNIFICATION:** Owner further agrees to defend, indemnify, protect and hold the City and its agents, officers and employees harmless from and against any and all claims asserted or liability established for damages or injuries to any person or property, including to Owner's tenants, guests, invitees, agents or employees, which arise from or are connected with or caused or claimed by the acts or omissions of Owner, and its agents, employees or contractors, in performing the obligations specified herein, and all expenses of investigating and defending against same; provided, however, that Owner's duty to indemnify and hold harmless all not include any claims or liability arising from the established sole negligence or willful misconduct of the City, its agents, officers or employees.

6. **BINDING ON FUTURE OWNERS:** This covenant shall run with the land and shall be binding upon the undersigned owners, their heirs, executors, administrators, assigns and successors in interest.

OWNER(S) OF RECORD:

_____	_____
(Owner's Signature)	(Owner's Signature)
_____	_____
(Owner Print Name & Title)	(Owner Print Name & Title)

State of California
County of San Luis Obispo

On_____,20 , before me, _____

_____ and _____

_____, personally appeared before_____ who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signatures(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

_____(Seal), Notary Public

City of Grover Beach

For Private Stormwater Management System Operations and Maintenance

EXHIBIT A – Post Construction Stormwater Management System Operations & Maintenance Plan

The 'Stormwater Management System Operations & Maintenance Plan' is to be filled out by landowner/designer and attached to the Constructive Notification for Private Stormwater Management System Operations and Maintenance upon recording. **NOTE: EXHIBIT B – 'Post Construction Stormwater Management System Operations & Maintenance Checklist' template is to be attached to the Constructive Notification. The approved and recorded template shall be filled out by the owner and submitted to the City by October 15th of each year.**

PART 1A – General Information

General Information		
1	**Property APN(s):**	
2	**Project Address(es):**	
3	**Owner:**	
4	**Address:**	
5	**Phone:**	
6	**Email:**	
Stormwater Management System Information		
7	**Designer:**	☐CE ☐QSP ☐QSD ☐ Other
8	**Company/Firm:**	
9	**Address:**	
10	**Phone:**	
11	**Email:**	
12	**Estimated Annual Cost for Maintenance Once Established*:**	
13	**Other Pertinent Info:**	

***Attach Cost Estimate Spreadsheet**

PART 1B: STRUCTURAL CONTROL MEASURE (SCM) DETAILS

SCM#: _____

1. Purpose(s) of SCM (check all that apply):	☐ Water Treatment	☐ Runoff Retention	☐ Peak Management	
2. Type(s) of SCM Installed:	☐ Retention/Infiltration Basin, Trench, or Swale ☐ Subsurface Basin ☐ Detention Basin	☐ Biofiltration Swale ☐ Catch Basin ☐ Filter Strip(s)	☐ Water Quality Unit ☐ Proprietary Devices ☐ Other: _____	
3. Description & Location of SCM (As necessary, refer to PART 2 – Drawings & Photos):	☐ Onsite Description:	☐ Offsite		
4. Drainage Design Criteria:	Design Storm Flow (cfs):			
	Design Storm Capacity (ft^3):			
5. Design Details (As applicable):	Length (ft):		Surface Area (ft^2):	
	Width (ft):		Capacity/Volume (ft^3):	
	Depth (ft):		Vegetation Height (in):	
	Slope (ft/ft):		Design Life (yrs):	
6. SCM Product Specifications (attach applicable specification sheets):	Product Name:			
	Manufacturer/Model Number:			
	Number Installed:			
	Product Life:			
7. SCM Inspection & Maintenance Requirements:	Date of installation:			
	Short Term Required Maintenance (describe or attach plan):			
	Long Term Required Maintenance (describe or attach plan):			

Include additional pages for multiple SCMs as necessary.

Page ___ of ___

PART 2 – Drawings & Photos

In addition to the location description, provide a copy of record drawings* showing each Structural Control Measure. Provide a plan view showing SCM location(s) relative to the parcel property lines. Include any details of the SCM and any additional sheets, reduced site plans or dated post construction photos to clearly define the limits of the SCM(s).

Ensure the drawings include the following:

- ☐ North Arrow
- ☐ Scale or Dimensions
- ☐ Length/Width
- ☐ Volume Depth
- ☐ Slopes
- ☐ Surface Area
- ☐ Cross Section(s)
- ☐ Unique Number for Each Structural Control Measure (SCM) as assigned by the City

*Record Drawings are those approved by the Engineer of Record and City of Grover Beach which include any revisions to the design during construction/installation.

PART 3 – Certification and Approval

I certify the information provided in EXHIBIT A – Post Construction Stormwater Management System Operations & Maintenance Plan and EXHIBIT B – Post Construction Stormwater Management System Operations & Maintenance Checklist to be true and correct.

_____	_____	_____
Owner (Print Name)	Signature	Date
_____	_____	_____
Designer (Print Name)	Signature	Date

The Post Construction Stormwater Management System has been reviewed, field verified and approved by (professional engineer, geologist, architect or landscape architect) :

_____		_____	_____
Verifier (Print Name)	License No.	Signature	Date

The 'Post Construction Stormwater Management System Operations & Maintenance Plan' and 'Post Construction Stormwater Management System Operations & Maintenance Checklist' has been reviewed and approved by:

_____	_____	_____
City Representative (Print Name, Title)	Signature	Date

EXAMPLE TEMPLATE

City of Grover Beach

For Private Stormwater Management System Operations and Maintenance

EXHIBIT B – Post Construction Stormwater Management System Operations & Maintenance Checklist

The following TEMPLATE shall be tailored to the Project SCMs and submitted with EXHIBIT A – Post Construction Stormwater Management System Operations & Maintenance Plan for approval. Remove all unnecessary text or instructions such as 'EXAMPLE' prior to submission. Contact the City for electronic forms.

Completed forms shall be <u>submitted annually by October 15th</u> to:

City of Grover Beach, Public Works Department
154 S. Eighth Street
Grover Beach CA 93433

General Information			
Property APN(s):			
Project Address(es):			
Owner:			
Address:			
Phone:		**Email:**	
Report Year:			
Inspector(s) (First & Last Name, Initials):			
Date of Inspection(s):			
SCM Number(s) Inspected:			

I certify the provided information to be true and correct and that the Structural Stormwater Control Measures (SCMs) on my property have been maintained, monitored, inspected, cleaned and repaired as required in EXHIBIT A – Post Construction Stormwater Management System Operations & Maintenance Plan.

Owner	**Inspecting Party Representative** ☐ Licensed Civil Engineer or ☐ QSP No._____
Printed Name	Printed Name
Signature	Signature
Date	Date

During this reporting period (check all that apply):

- ☐ Completed inspections as required in EXHIBIT A – Post Construction Stormwater Management System Operations & Maintenance Plan
- ☐ Completed required short and long term maintenance as required in EXHIBIT A
- ☐ Completed corrective action(s) per the inspection (if applicable)
- ☐ Updated the EXHIBIT A - Post Construction Stormwater Management System O&M Plan to reflect revised site conditions. (Attach any updates.)
- ☐ No spills or system upsets occurred on site.
- ☐ Cleaned all spills promptly and reported the spill as required.*

*For all site spills, list spill date, content, volume and resolution:

Date	Content	Volume	Resolution	Inspector's Initials

Property APN: _____ SCM # _____ Page ___ of ___

Biofiltration Areas / Planter Box / Swales / Surface Infiltration Basins

Inspection and Maintenance Checklist

Inspected by (Print Name, Initials): *If multiple, list all.*		Report Year:	
Areas Inspected: *(see SCM location map in Post Construction Stormwater Management System Operations & Maintenance Plan)*		*If corrective action is required AND a re-inspection is warranted, indicate* Re-check date:	

Inspection frequency key:

A = Annually on_____ (*Specify Date, i.e. October 15th*) of each year, S = after major storm events

Inspection Items	Inspection Frequency	Maintenance Needed? (Yes/No)	Comments/Description
Is there standing water longer than 1 week after a storm event?	S		
Evidence of erosion?	S		
Vegetation appropriate and healthy?	A		
Area free of debris?	A		
Inlets / overflow area free of obstructions?	S		
Is there obviously trapped sediment in need of removal (covers vegetation or greater than 2-inches at any spot or exceeds 10% of design area)?	A		
Is flow uniformly distributed as intended?	A		
Any evidence of contaminants or pollutants?	A		

Inspector comments: *(Use additional sheets or back of this sheet if more room is necessary, include Inspector's initials.)*

Overall condition of facility: ☐ Acceptable ☐ Unacceptable

Corrective Action Needed	Due Date

The next routine inspection is scheduled for approximately: _____

Property APN: _____ SCM # _____ Page ___ of ___

Catch Basin(s)

Inspection and Maintenance Checklist

Inspected by (Print Name, Initials): *If multiple, list all.*		Report Year:	
Areas Inspected: *(see SCM location map in Post Construction Stormwater Management System Operations & Maintenance Plan)*		*If corrective action is required AND a re-inspection is warranted, indicate* Re-check date:	

Inspection frequency key:

A = Annually on _____(*Specify Date, i.e. October 15th*) of each year, S = after major storm events

Inspection Items	Inspection Frequency	Maintenance Needed? (Yes/No)	Comments/Description
Inlets free of obstructions?	A		
Basins free of obstructions, debris (vegetation)?	A		
Drainage area & slopes leading to catch basin free of sediment & debris?	A		
Is there obviously trapped sediment in need of removal (greater than 3 inches)?	A		

Inspector comments: *(Use additional sheets or back of this sheet if more room is necessary, include Inspector's initials.)*

Overall condition of facility: ☐ Acceptable ☐ Unacceptable

Corrective Action Needed	Due Date

The next routine inspection is scheduled for approximately: _____

Property APN: _____ SCM # _____ Page ___ of ___

Permeable Pavements

Inspection and Maintenance Checklist

Inspected by (Print Name, Initials): *If multiple, list all.*		Report Year:	
Areas Inspected: *(see SCM location map in Post Construction Stormwater Management System Operations & Maintenance Plan)*		*If corrective action is required AND a re-inspection is warranted, indicate* Re-check date:	

Inspection frequency key:

A = Annually on _____(*Specify Date, i.e. October 15th*) of each year, S = after major storm events

Inspection Items	Inspection Frequency	Maintenance Needed? (Yes/No)	Comments/Description
Sediment accumulated on surface?	A		
Noticeable gaps in pavers?	A		
Vegetation/mosses growing in/on permeable surfaces?	A		
Evidence of ponding on surfaces?	A		
Visual evidence of oil, gasoline, contaminants or other pollutants?	A		
Surface functioning as intended?	A		

Inspector comments: *(Use additional sheets or back of this sheet if more room is necessary, include Inspector's initials.)*

Overall condition of facility: ☐ Acceptable ☐ Unacceptable

Corrective Action Needed	Due Date

The next routine inspection is scheduled for approximately: _____

Property APN: _____ SCM # _____ Page ___ of ___

Underground Vault

Inspection and Maintenance Checklist

Inspected by (Print Name, Initials): *If multiple, list all.*		Report Year:	
Areas Inspected: *(see SCM location map in Post Construction Stormwater Management System Operations & Maintenance Plan)*		*If corrective action is required AND a re-inspection is warranted, indicate* Re-check date:	

Inspection frequency key:

A = Annually on _____(*Specify Date, i.e. October 15th*) of each year, S = after major storm events

Inspection Items	Inspection Frequency	Maintenance Needed? (Yes/No)	Comments/Description
Sediment depth exceeds 0.25-inches on media?	A		
Sediment depth exceeds 6-inches in first chamber?	A		
Trash and debris accumulated in vault?	A		
Structural integrity of vault, piping, lids, frame, baffles, etc. as intended?	A		
Visual evidence of oil, gasoline, contaminants or other pollutants?	A		
Vault functioning as intended?	A		
Media replaced per manufacturers recommendation (if applicable)?	A		

Inspector comments: *(Use additional sheets or back of this sheet if more room is necessary, include Inspector's initials.)*

Overall condition of facility: ☐ Acceptable ☐ Unacceptable

Corrective Action Needed	Due Date

The next routine inspection is scheduled for approximately: _____

City of Grover Beach (805) 473-4520
154 S. Eighth Street, Grover Beach, CA 93433 Public Works Department

C.1 Standard Plan
WATER POLLUTION CONTROL PLAN (WPCP)

PURPOSE: The City requires a Water Pollution Control Plan (WPCP) or a Storm Water Pollution Prevention Plan (SWPPP) for all construction projects that have the potential to pose a threat to water quality during construction operations. The appropriate plan is determined by the following guidelines:

1. Any project subject to the Construction General Permit (CGP) requires a SWPPP and may not utilize this WPCP template.
2. Projects that are exempt from the Construction General Permit but which may pose a threat to water quality require a WPCP and an Erosion and Sediment Control Plan. Projects that may pose a threat to water quality are those projects that disturb 5 acres or less but which have been granted an erosivity water by the Water Board OR disturb one or less AND have one or more of the following water quality concerns:
    a. potential to discharge directly or indirectly into Meadow Creek or the Ocean;
    b. direct contact with groundwater;
    c. have cuts/fills in excess of six feet;
    d. have slopes steeper than 3:1;

    or

    e. are to be implemented by a contractor with a history of non-compliance.

    Projects meeting the above criteria are designated "high" priority projects. "High" priority construction projects are required to complete this WPCP template and include a site map that identifies the location of BMPs required for the project. High priority projects shall be inspected (and documented) on a weekly basis, and when rain is predicted with a 50% chance or greater probability within 24 hours. See page 6 for inspection form to be used. Completed inspection forms shall be retained throughout construction.
3. Projects that are exempt from the Construction General Permit which pose a negligible threat to water quality require a WPCP. Projects that pose a negligible threat to water quality are defined as those projects which are not subject to the Construction General Permit, and have none of the water quality concerns identified in item 2 above. These types of projects typically include, but are not limited to, remodeling projects and other interior improvements.

This standard plan is applicable for projects that satisfy item 2 or 3 above. The Best Management Practices (BMPs) specified herein are the minimum BMPs that must be used during the course of the project. Additional BMPs map be required to protect water quality.

This plan must be in place prior to and maintained during construction operations in accordance with City of Grover Beach Code Section 5.60.070 "Construction Site Stormwater Runoff Control Provisions".

The WPCP is about protecting water resources <u>during</u> construction operations. Additional requirements may be imposed to protect water resources <u>after</u> construction is complete. See City of Grover Beach Code Section 5.60.080 "Post-Construction Stormwater Management Provisions" for information regarding requirements intended to protect, and, where degraded, restore, key watershed processes to create and sustain linkages between hydrology, channel geomorphology, and biological health necessary for healthy watersheds of projects over the life of the project (i.e. *after* construction is complete).

C.1 Standard Plan

WATER POLLUTION CONTROL PLAN (WPCP)

STEP 1: IDENTIFY RELEVENT PROJECT INFORMATION:

Project Address: _____

APN Number: _____

Owner Name: _____

Applicant's Name: _____ Applicant's Telephone: (____) _____- _____

Emergency Contact: _____ 24 hr access phone No. (____) ____ -_____

Contractor's Name: _____ Contractor's Telephone: (____) _____ - _____

Contractor's Mailing Address: _____
(Street Address) *(City)* *(State)* *(Zip)*

Estimate total disturbed soil areas in square feet: _____

Type of Project – Check One (choose option that most closely aligns with the proposed project)**:**

☐ New Residence ☐ Major Remodel ☐ Interior Alterations ☐ Minor Addition / Site-Work / Alteration / Repair

Project Priority

High Priority Project: ☐ Yes ☐ No.

If yes, designate high priority triggers (check all that apply):

- ☐ received an Erosivity Waiver from the Water Board: WDID No. _____
- ☐ potential to discharge directly or indirectly into Meadow Creek or the Ocean;
- ☐ direct contact with groundwater;
- ☐ have cuts/fills in excess of six feet;
- ☐ have slopes steeper than 3:1; or
- ☐ are to be implemented by a contractor with a history of non-compliance.

Schedule: Anticipated Project Schedule (Duration & Working Hours)

Duration (month/yr): (From) _____ (to) _____

Hours (am/pm): (From) _____ (to) _____

OFFICE USE ONLY: Received By: _____ Date: _____ Approved By: _____ Permit No: _____

Comments: _____

_____

_____

C.1 Standard Plan

WATER POLLUTION CONTROL PLAN (WPCP)

STEP 2: IDENTIFY CONSTRUCTION STORM WATER BMPS

Best Management Practices or "BMPS" are practices that help prevent pollutants from entering the City's Storm Drain System, Meadow Creek, or groundwater beneath the City. All construction projects are required to reduce pollution to the maximum extent practicable by implementing BMPs.

BMPs are generally designated by type and number, where the type is designated in the first two letters and the BMP number is designated in the last two numbers (for example WM-05, is a Waste Management type BMP, number 5 which describes solid waste management best management practices). For information on the purpose, application, limitations, specifications, maintenance and inspection requirements for the Best Management Practices listed herein refer to Caltrans Stormwater BMP Fact Sheets http://www.dot.ca.gov/hq/construc/stormwater/factsheets.htm

The City has designated a minimum set of BMPs required for every project. Projects may require additional BMPs depending on the type of work contemplated. The questions below are designed to assist in determining which additional BMPs are appropriate. For "yes" answers to any of the questions below, the project is subject to additional BMPs. Page 4 provides a list of additional required BMPs based on the work contemplated.

Type of work contemplated		Response	If yes, chose BMPs from this Category (See next page)
1.	Will there be soil disturbing activities that will result in expose soil areas (this includes minor grading and trenching):	☐ Yes ☐ No	A
2.	Will there be asphalt paving, including patching?	☐ Yes ☐ No	C, E
3.	Will there be slurries from mortar mixing, coring, or concrete saw cutting?	☐ Yes ☐ No	C, E
4.	Will there be solid wastes from concrete demolition and removal, wall construction, or form work?	☐ Yes ☐ No	C, E
5.	Will there be stockpiling (soil, compost, asphalt, concrete, solid waste) for over 24 hours?	☐ Yes ☐ No	C, E
6.	Will there be dewatering operations?	☐ Yes ☐ No	B, C
7.	Will there be temporary on-site storage of construction materials, including mortar mix, raw landscaping and soil stabilization materials, treated lumber, rebar, and plated metal fencing materials?	☐ Yes ☐ No	D, E
8.	Will trash or solid waste product be generated from this project?	☐ Yes ☐ No	E
9.	Will construction equipment be stored on site (e.g.: fuels, oils, trucks, etc.?	☐ Yes ☐ No	E
10.	Will Portable Sanitary Services ("Porta-potty") be used on the site?	☐ Yes ☐ No	E

As noted in the table on the following page, please select at least the minimum number of required BMPs, or as many as are feasible for your project. If no BMP is selected for a category designated with a 'yes' response, an explanation must be given in the box provided on page 4.

BMPs from each of the categories must be used together as a system in order to prevent potential discharges.

C.1 Standard Plan

WATER POLLUTION CONTROL PLAN (WPCP)

MINIMUM REQUIRED STANDARD CONSTRUCTION STORMWATER BMPs
(Source: CALTRANS Storm Water Quality Handbooks)

Minimum Required Best Management Practices	CALTRANS Stormwater Handbook Detail	Check at least one BMP from each section below	If your project requires no BMP from any of the sections below, please explain within space provided
A. Select Erosion Control Method (choose at least one for stabilizing inactive area during the rainy season)			
Bonded Fiber Matrix or Stabilized Fiber Matrix (Winter)	SS-3	❑	
Vegetation Stabilization Planting or Hydroseeding (Winter)	SS-4	❑	
Straw Mulch or Woodchips (Winter)	SS-6 or SS-8	❑	
Geotextiles, Plastic Covers and Erosion Control Blankets (Winter)	SS-7	❑	
B. If Runoff or Dewatering Operation are concentrated, velocity must be controlled (choose at least one)			
Check Dams	SC-4	❑	
Outlet Protection & Velocity Dissipation Devices	SS-10	❑	
C. Select Sediment Control method for all disturbed areas (choose at least one)			
Silt Fence	SC-1	❑	
Fiber Rolls (Straw Wattles)	SC-5	❑	
Gravel Bag Berm or Sandbag Barrier	SC-6, SC-8	❑	
Storm Drain Inlet Protection	SC-10	❑	
D. Select method for preventing offsite tracking of sediment (choose at least one)			
Stabilized Construction Entrance	TC-1	❑	
Street Sweeping & Vacuuming	SC-7	❑	
E. Select the General Site Management BMPs for each waste that will be on site			
Material Delivery & Storage	WM-1	❑	
Material Use (Paving, sawcutting ops)	WM-2	❑	
Stockpile Management	WM-3	❑	
Spill Prevention & Control	WM-4	❑	
Hazardous Waste Management	WM-6	❑	
Concrete Waste Management	WM-8	❑	
Sanitary Waste Management	WM-9	❑	

MANDATORY BMPS

C.1 Standard Plan

WATER POLLUTION CONTROL PLAN (WPCP)

Good Housekeeping: Keep exterior components of site clean & organized at all times.

Solid Waste Management (WM-05): All project related waste products must be containerized & covered at all times when not actively in use.

Scheduling (SS-01): Exterior improvements which have the potential to alter water quality (grading, concrete pours, etc.) shall not be scheduled when rain is predicted to occur with a 50% chance or greater likelihood, within 24 hours UNLESS said improvements can be isolated from the rain, and any run-on to and run-off from the site.

Preservation of Existing Vegetation (SS-02): Areas designated on the plans to be preserved (such as existing trees and riparian areas) shall be delineated with orange construction fencing, to prevent access for staging, storage or construction of these restricted areas.

Street sweeping (SC-7): is required to minimize tracking of sediment and to clean up spillage of materials from public roads. Roads cannot be water down to be cleaned.

Illicit Connection/Illegal Discharge Detection and Reporting (NS-6). Owners/Contractors must report any identified illicit connections or illegally dumped or discharged materials on the site to the City.

Attach BMP Fact Sheets for all BMPs specified in the Plan. Additional BMPs may be required if the construction generates, or works in an area with suspected hazardous waste or contaminated soils. Notify the City prior to construction, or as soon as suspected hazards are identified, to learn more about applicable BMPs to use in these situations.

STEP 3: APPLICANT CERTIFICATION

I **agree** to follow the requirement as set forth in this abbreviated Water Pollution Control Plan. I understand the following:

1. The plan is a Dynamic Plan: Additional BMPs, both temporary and permanent may be required during the course of the project at the discretion of the City Inspector(s) in order to ensure the protection of local water quality;
2. It is the permittees obligation to take additional corrective actions when required to protect local water quality;
3. Failure to comply with all the requirements could cause the permit to be revoked; the issuance of a stop work order, a notice to comply, a notice of violation and/or citation;
4. Performing any work under this permit shall constitute an acceptance of the provisions of this permit and all attachments and documents referenced herein; and
5. A copy of this signed approved Guide shall remain at the job site at all times available for review by any public official.

Signature: _____ Date: _____

If you require assistance completing this Plan, please contact City Engineering staff at (805) 473-4520.

WATER POLLUTION CONTROL PLAN (WPCP) INSPECTION CHECKLIST

INSPECTION INFORMATION FOR APN: _____		
DATE:	TIME:	NAME:

CORRECTIVE ACTION SUMMARY	N/A	
Identify any deficiencies found. Provide plan to correct deficiencies. Deficiencies shall be corrected within 72 hours.		

EROSION CONTROLS	YES	NO*	N/A
Do inactive disturbed areas within the project boundary have effective erosion controls in place or have adequate provisions to ensure that material does not leave the site?			
SEDIMENT CONTROLS	**YES**	**NO***	**N/A**
Do inactive disturbed areas within the project boundary have effective linear sediment controls in place per the requirements of the WPCP/SWPPP?			
STORM DRAIN INLET PROTECTION	**YES**	**NO***	**N/A**
Are all storm drain inlets within the project boundary protected with properly installed BMPs that are working effectively?			
STOCKPILE MANAGEMENT	**YES**	**NO***	**N/A**
Are inactive stockpiles properly located, covered, and have perimeter controls in place?			
Are active waste material stockpiles adequately protected from wind and rain?			
TRACKING CONTROLS	**YES**	**NO***	**N/A**
Is the pavement adjacent to project work areas free from visible sediment tracking?			
WIND EROSION CONTROLS	**YES**	**NO***	**N/A**
Are wind erosion controls effective?			
MATERIAL STORAGE	**YES**	**NO***	**N/A**
Are material storage locations associated with the project located properly and reasonably clean, free of spills and leaks, and other materials and protected from run on and runoff?			
RUN-ON AND RUN-OFF	**YES**	**NO***	**N/A**
Is run-on, and runoff managed to minimize comingling with disturbed areas, raw and waste materials?			
WASTE MANAGEMENT	**YES**	**NO***	**N/A**
Are concrete washout facilities water tight and properly located? If left on site during rain events, are washout facilities covered and protected from rain and run on?			
Are portable sanitary facilities located away from water bodies or water conveyance inlets and in good condition?			
Are the contents of trash containers properly protected from contact with stormwater or from being dislodged by winds?			
Are liquid chemicals, hazardous materials, and hazardous wastes stored in secondary containment and free of leaks? Or in an entirely enclosed container?			
GENERAL	**YES**	**NO***	**N/A**
Are BMPs currently functioning to prevent unauthorized discharges (pollutants visible in stormwater or potential to contact pollutants not visible in stormwater)?			

*For BMPS with “no” selected, provide plan for addressing deficiencies in the “Corrective Action Summary” section above.

Standard Plan C.2
EROSION AND SEDIMENT CONTROL (E&SC) PLAN
REVIEW CHECKLIST

City Building Permit Number: _____

E&SC Plan Preparer's Name and Contact Information: _____

_____

Project Address: _____

Assessor Parcel Number: _____

Review History

First Review

E&SC Plan Received on: _____

Review Completed on: _____

Second Review

E&SC Plan Received on: _____

Review Completed on: _____

Third Review

E&SC Plan Received on: _____

Review Completed on: _____

REVIEW SUMMARY

☐ E&SC Plan requires revisions. See comments on following pages.

☐ E&SC Plan approved. Submit 2 copies of final version (signed) to City.

Reviewer's Name: _____ Date Completed: _____

Reviewer's Phone Number: _____

Reviewer's Email: _____

Introduction

An Erosion and Sediment Control Plan (E&SC Plan) is required for all projects subject to the Construction General Permit and for those projects that are defined as "High" priority projects. High Priority projects are those projects that may pose a threat to water quality are those projects that disturb 5 acres or less but which have been granted an erosivity water by the Water Board OR disturb one or less AND have one or more of the following water quality concerns:

a) potential to discharge directly or indirectly into Meadow Creek or the Ocean;
b) direct contact with groundwater;
c) have cuts/fills in excess of six feet;
d) have slopes steeper than 3:1;

or

e) are to be implemented by a contractor with a history of non-compliance.

PURPOSE

This checklist has been developed to assist applicants in obtaining City approval. It provides a

The goal of the E&SC Plan is to:

1. Minimize the amount of disturbed soil; e
2. Eliminate non-storm runoff;
3. Eliminate sediment and/or other pollutants from exiting the construction site; and
4. Ensure construction materials are managed properly.

Erosion control is any source control measure that protects the soil surface and prevents soil particles from being detached by rainfall, flowing water or wind. Erosion control is also referred to as soil stabilization. Erosion control consists of preparing the soil surface and implementing one or more erosion control measures to disturbed soil areas.

Sediment control is any practice that traps soil particles after they have been detached and moved by rain, flowing water or wind. Sediment control measures are usually passive systems that rely on filtering or settling the particles out of the water or wind that is transporting them. Sediment control measures include those practices that intercept and slow or detain the flow of storm water to allow sediment to settle and be trapped.

A Storm Water Pollution Prevention Plan (SWPPP) shall be provided for all projects subject to the Construction General Permit (CGP). The SWPPP shall be prepared by a Qualified SWPPP Developer (QSD) and be in compliance with all aspects of the CGP. No earth disturbing work shall begin until the City has been provided with record of the Waste Discharge Identification Number (WDID) issued for the project.

Projects exempt from the CGP shall provide a Water Pollution Control Plan (WPCP). See Standard Plan C.1 for information regarding required contents of the WPCP.

All applicable environmental permits (RWQCB 401 Certification, CA Fish & Wildlife 1601, ACOE nationwide permit, etc.) shall be included as an appendix in the SWPPP or WPCP.

This checklist provides the minimum standards for an erosion and sediment control plan. Your selection of the best soil erosion and sediment controls for your site should be primarily based upon the nature of the construction activity and the conditions which exist at the construction site. Additional resources are available at:

https://www.casqa.org/resources/bmp-handbooks
http://www.dot.ca.gov/hq/construc/stormwater/manuals.htm

GENERAL

1.	☐	Name and 24-hour contact information for the contractor/person responsible for maintaining the E&SC Plan, the QSD, QSP and LRP contact information
2.	☐	WDID Number and dates used for risk assessment calculations, if project subject to the CGP.
3.	☐	Vicinity Map, identify receiving water body (Meadow Creek, Barca Basin, Mentone Basin, or Ocean)
4.	☐	Detail limits of construction site boundaries, show locations of run-on and run-off from site.
5.	☐	Drainage areas, flow lines, discharge and sampling locations
6.	☐	Delineate areas of temporary and permanent soil disturbance
7.	☐	Delineate active areas of cut or fill
8.	☐	Note that states effective soil cover shall be provided on all finished slopes, open space, utility backfill and completed lots that are not scheduled to be re-disturbed for minimally 14 days.
9.	☐	Delineate all sensitive habits, watercourse or other features which are not to be disturbed.
10.	☐	Locations (and types) of all post-construction BMPs

EROSION AND SEDIMENT CONTROL

11.	☐	Show locations and details of erosion and sediment control BMPs. Include minimum BMPs associated with project risk level.
12.	☐	Show planned perimeter controls.
13.	☐	If sediment basins will be used, provide evidence that basin was designed in accordance with CASQA's BMP Guidance Book.
14.	☐	Show all storm drain inlets where runoff from site could enter the storm drain system and detail how the inlets shall be protected from silt and debris from the site.

TRACKING CONTROL

15.	☐	Show and detail stabilized entrance for trucks and other equipment to enter and leave property without tracking onto the public or private street.
16.	☐	Provide a description on how adjacent public and private streets shall be kept clean. Note that access roads shall be cleaned daily (if necessary) and prior to any rain event.

WIND EROSION CONTROL

17.	☐	Indicate on the plan the dust control practices to be used.

MATERIALS AND WASTE MANAGEMENT

18.	☐	Show location of waste material dumpster and require dumpster be covered nightly and protected from rain.
19.	☐	Provide locations of storage areas for waste, vehicles, service, loading/unloading of materials, fueling, and water storage.
20.	☐	Provide locations for soil stockpiles areas (if applicable) and show how they will be protected against erosion.
21.	☐	Require that construction materials that are not actively being used be covered and bermed.
22.	☐	Show locations of porta-potties.
23.	☐	Show location of and detail washout area/waste pit for disposal of “wet” construction materials such as concrete, stucco and paint.

REVIEW COMMENTS AND REQUIRED CORRECTIONS