



**RANCHO PALOS VERDES**

# LOCAL STORM WATER POLLUTION PREVENTION PLAN (LSWPPP) For sites one acre or greater

<b>State WDID#</b> attach copy of certified letter
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This plan is in addition to standard City requirements for erosion control plans

OWNER NAME _____	SITE NAME _____
OWNER ADDRESS _____	SITE ADDRESS _____
PHONE _____	TRACT NUMBER _____

CONTRACTOR NAME _____	<b>Indicate Size of Disturbed Area</b> Including stockpiles	<b>Building/Grading or Plan Check Number</b> _____
CONTRACTOR ADDRESS _____		
PHONE _____	_____ <b>Acres</b>	Estimated start/finish date: _____

In addition to the SWPPP required under the State GCASP program, the MS4 Permit requires an LSWPPP for all construction projects one acre or greater. The preparer should assess site conditions, identify construction activities with the potential to cause storm water pollution, and identify the BMPs that will best suit the construction activities.

<b>Project Description</b>	Provide a narrative description of the major features of the proposed project (e.g. Low density housing commercial development industrial complex, etc.) Attach additional sheets, if necessary.
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*The attached tables indicate which Best Management Practices (BMPs) will be used to control storm water pollution from the project site. In addition, a Site Plan example is included showing BMP locations.*

I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. The project contractor is aware that the selected BMPs must be installed, monitored, and maintained. As the Project Owner, I certify the appropriate BMPs will be implemented to effectively minimize the negative impacts of this project's construction activities on storm water quality. I am aware that submitting false and/or inaccurate information, failing to update the Local SWPPP to reflect current conditions, or failing to properly and/or adequately implement the Local SWPPP may result in revocation of grading and/or other permits or other sanctions provided by law.

As the architect/engineer of record, I have selected appropriate BMPs to effectively minimize the negative impacts of this project's construction activities on storm water quality. The project owner and contractor are aware that the selected BMPs must be installed, monitored, and maintained to ensure their effectiveness. The BMPs not selected for implementation are redundant or deemed not applicable to the proposed construction activity.

\_\_\_\_\_  
Owner or Authorized Representative Signature

\_\_\_\_\_  
Owner or Authorized Representative Name (printed)

\_\_\_\_\_  
Date

<b>Project Architect or Engineer of Record, stamp and date</b>
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*This is a separate submittal and NOT a substitute for the SWPPP the State requires under the GCASP Program. Verification that an SWPPP has been prepared must be submitted.*

# LOCAL STORM WATER POLLUTION PREVENTION PLAN (LSWPPP)

## For sites one acre or greater

Indicate on the following tables which BMP will be used to control stormwater pollution at the project site.

**Project Name and Address:**

### General Site Management

BMP Description	Will BMP be used?		If YES, show on plans or describe on additional sheet. If NO, state reason (attach additional sheets if necessary)
	YES	NO	
<b>Site Planning Considerations</b>			
Project Scheduling (EC-1)			
Preservation of Existing Vegetation (EC-2)			
<b>Construction Practices</b>			
Sediment Control Procedures			
Dewatering Operations (NS-2)			
Paving Operations (NS-3)			
Wind Erosion Control (WE-1)			
<b>Vehicle &amp; Equipment Management</b>			
Vehicle and Equipment Cleaning (NS-8)			
Vehicle and Equipment Cleaning (NS-9)			
Vehicle and Equipment Cleaning (NS-10)			
<b>Tracking Control</b>			
Stabilized Construction Entrance (TR-1)			
Self-Inspections	✓		Self inspections will be made before, after and during a 0.25 inch rainfall event.

### Construction Materials and Waste Management

BMP Description	Will BMP be used?		If YES, show on plans or describe on additional sheet. If NO, state reason (attach additional sheets if necessary)
	YES	NO	
<b>Material Management</b>			
Material Delivery and Storage (WM-1)			
Material Use (WM-2)			
Spill Prevention and Control (WM-4)			
<b>Waste Management</b>			
Solid Waste Management (WM-5)			
Hazardous Waste Management (WM-6)			
Contaminated Soil Management (WM-7)			
Concrete Waste Management (WM-8)			
Sanitary Septic Management (WM-9)			

### BMP locations must be shown on plans

BMPs must conform to the latest edition of the California Storm Water Best Management Practice Handbooks

# LOCAL STORM WATER POLLUTION PREVENTION PLAN (LSWPPP)

**For sites one acre or greater**

**Project Name and Address:**

Indicate on the following tables which BMP will be used to control stormwater pollution at the project site.

## Erosion Control Practices

BMP Description	Will BMP be used?		If YES, show on plans or describe on additional sheet. If NO, state reason (attach additional sheets if necessary)
	YES	NO	
<b>Vegetative Stabilization</b>			
Hydroseeding (EC-4)			
Mulching (EC-3, EC-6, EC-8)			
<b>Physical Stabilization</b>			
Geotextiles and Mats (EC-7)			
Streambank Stabilization (EC-12)			
Construction Road Stabilization (TR-2)			
<b>Diversion Runoff</b>			
Earth Dike (EC-9)			
Drainage Swales (EC-9)			
Slope Drains (EC-11)			
<b>Velocity Reduction</b>			
Velocity Dissipation Devices (EC-10)			
Check Dams (SE-4)			

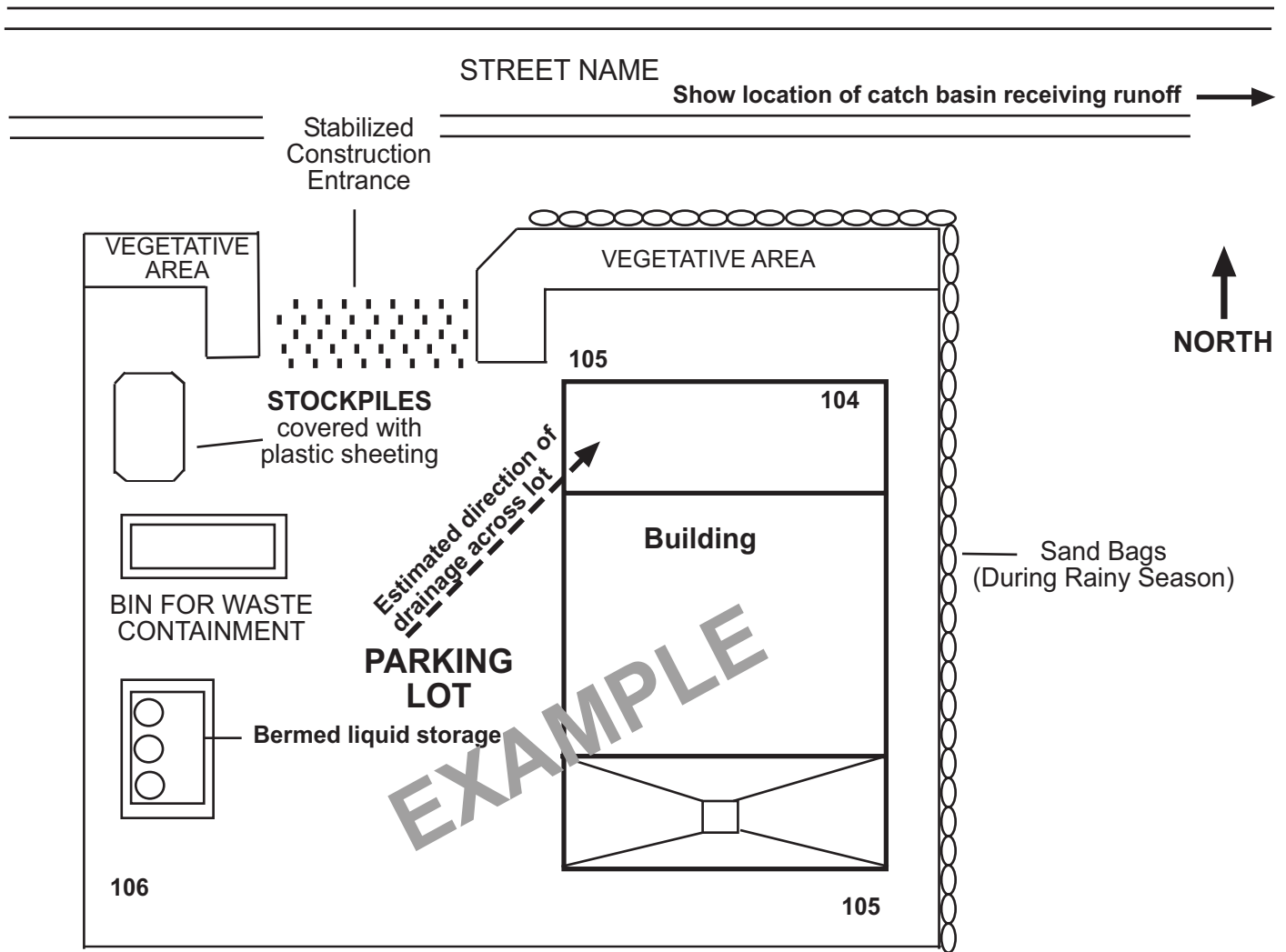
## Sediment Control Practices

BMP Description	Will BMP be used?		If YES, show on plans or describe on additional sheet. If NO, state reason (attach additional sheets if necessary)
	YES	NO	
<b>Sediment Control</b>			
Silt Fence (SE-1)			
Straw Bale Barrier (SE-9)			
Sand Bag Barrier (SE-8)			
Storm Drain Inlet Protections (SE-10)			
Sediment Trap (SE-3)			
Sediment Basin (SE-2)			

**BMP locations must be shown on plans**

BMPs must conform to the latest edition of the California Storm Water Best Management Practice Handbooks

**For sites one acre or greater**



**Submit three sets of plans showing BMPs.**

**INCLUDE THE FOLLOWING**

Project Name Project Location Scale or Dimensions

- And,
- 1) The project boundary and limits of grading and soil disturbance.
  - 2) The footprint of existing facilities and facilities that will be built during construction.
  - 3) The existing and final grades of the site, along with any intermediate grades during construction that will significantly affect site drainage patterns.
  - 4) The location(s) where runoff from the site may enter storm drain(s), channel(s), and/or receiving water(s).
  - 5) Specific locations where construction materials, vehicles, and equipment will be stored, handled, used, maintained, and disposed, along with locations of structural measures that will be used to contain these materials on site.

BMPs must **ALSO** be shown on grading/construction plans.  
Existing grading/construction plans may be substituted provided all required information is included.

## Storm Water Construction notes

### Minimum BMP Requirements for Construction Activities for All Development Construction Projects

- Eroded sediments and other pollutants must be retained on site and may not be transported from the site via sheetflow, swales area drains, natural drainage courses or wind.
- Stockpiles or earth and other construction related materials must be protected from being transported from the site by the force of wind and water.
- Fuels, oils, solvents and other toxic materials must be stored in accordance with their listing and are not to contaminate the soil and surface waters. All approved storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of in a proper manner. Spills may not be washed into the drainage system.
- Non-storm water runoff from equipment and vehicle washing and any other activity shall be contained at the project site.
- Excess or waste concrete may not be washed into the public way or any other drainage system. Provisions shall be made to retain concrete wastes on site until they can be disposed of as solid waste.
- Trash and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersal by wind.
- Sediments and other materials may not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the public way. Accidental depositions must be swept up immediately and may not be washed down by rain or other means.
- Any slope with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water.
- Additional BMPs will be implemented as deemed necessary by City inspectors.

<p>WM-1 MATERIAL DELIVERY AND STORAGE</p> <p>Provide a material storage area with secondary containment and/or weather protection. Note the maintenance practices and schedule proposed for this area.</p>	<p>WM-7 CONTAMINATED SOIL MANAGEMENT</p> <p>Prevent or reduce the discharge of pollutants to stormwater from contaminated soil and highly acidic or alkaline soils by conducting pre-construction surveys, inspecting excavations regularly, and remediating contaminated soil promptly.</p>
<p>WM-2 MATERIAL USE</p> <p>Hazardous materials, fertilizers, pesticides, plasters, solvents, paints, and other compounds must be properly handled in order to reduce the risk of pollution or contamination. Training and information on procedures for the proper use of all materials must be available to the employees that apply such materials.</p>	<p>WM-8 CONCRETE WASTE MANAGEMENT</p> <p>Store dry and wet materials under cover. Avoid on-site washout except in designated areas away from drains, ditches, streets, and streams. Concrete waste deposited on site shall set-up, be broken apart, and disposed of properly. Containment and proper disposal is required for all concrete waste.</p>
<p>WM-4 SPILL PREVENTION AND CONTROL</p> <p>Identify spill prevention and control measures that will be taken for all proposed materials. Identify the methods, by which accidental spills will be cleaned and properly disposed of.</p>	<p>WM-9 SANITARY / SEPTIC WASTE MANAGEMENT</p> <p>Untreated raw wastewater is not to be discharged or buried. Sanitary sewer facilities on site are required to be in compliance with local health agency requirements. Sanitary or septic wastes must be treated or disposed of in accordance with State and local requirements.</p>
<p>WM-5 SOLID WASTE MANAGEMENT</p> <p>Provide designated waste collection areas and containers. Arrange for regular disposal. Provide covered storage with secondary containment. Containers are required to protect waste from rain to prevent water pollution and prevent wind dispersal.</p>	<p>TC-1 STABILIZED CONSTRUCTION ENTRANCE</p> <p>A stabilized entrance is required for all construction sites to ensure that dirt and debris are not tracked onto the road or adjacent property. Maintenance of such a system is required for the duration of the project. Such stabilization may be of rock or paved.</p>
<p>WM-6 HAZARDOUS WASTE MANAGEMENT</p> <p>Hazardous materials must be disposed of in accordance with State and Federal regulations. Identify the proposed methods of disposal and any special handling contracts that may be applicable.</p>	<p>SE-1 SILT FENCE SE-3 SEDIMENT TRAP SE-8 SAND BAGS</p> <p><i>Eroded sediments must be retained on site and not permitted to enter the drainage system. May be waived at the sole discretion of the City Inspector if other erosion control BMPs are deemed sufficient.</i></p>

# Self Inspection Forms

BMPs for construction sites are usually temporary measures that require frequent maintenance to maintain their effectiveness and may require relocation and reinstallation, particularly as the project progresses.

Regular inspections are required, particularly during rainy season.

In order to ensure that BMPs are properly implemented and function effectively, and to identify necessary maintenance and repairs, developers and contractors are required to perform self-inspections. The attached Construction Site Inspection Checklists must be completed:

- Before and after every rainfall with 0.25 inches or more of predicted or actual precipitation
- and
- At 24-hour intervals during extended rainfall events.

# Construction Site Inspection Checklist

**Inspected By:** \_\_\_\_\_

**Project:** \_\_\_\_\_

**Contractor:** \_\_\_\_\_

**Date:** \_\_\_\_\_

## Circle "YES" or "NO" or "N/A" if not applicable

- |                                 |   |
|---------------------------------|---|
| <u>YES</u> <u>NO</u> <u>N/A</u> | 1. Has there been rain at the site since the last inspection?   |
| <u>YES</u> <u>NO</u> <u>N/A</u> | 2. Are all sediment barriers (e.g., sandbags, straw bales, and silt fences) in place in accordance with the Plan and are they functioning properly? |
| <u>YES</u> <u>NO</u> <u>N/A</u> | 3. If present, are all exposed slopes protected from erosion through the implementation of acceptable soil stabilization practices?                 |
| <u>YES</u> <u>NO</u> <u>N/A</u> | 4. If present, are all sediment traps/basins installed and functioning properly?  |
| <u>YES</u> <u>NO</u> <u>N/A</u> | 5. Are all material handling and storage areas reasonably clean and free of spills, leaks, or other deleterious materials?                          |
| <u>YES</u> <u>NO</u> <u>N/A</u> | 6. Are all equipment storage and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious materials?                  |
| <u>YES</u> <u>NO</u> <u>N/A</u> | 7. Are all materials and equipment properly covered?  |
| <u>YES</u> <u>NO</u> <u>N/A</u> | 8. Are all external discharge points (i.e., outfalls) reasonably free of any noticeable pollutant discharges?                                       |
| <u>YES</u> <u>NO</u> <u>N/A</u> | 9. Are all internal discharge points (i.e. storm drain inlets) provided with inlet protection?  |
| <u>YES</u> <u>NO</u> <u>N/A</u> | 10. Are all external discharge points reasonably free of any significant erosion or sediment transport?   |
| <u>YES</u> <u>NO</u> <u>N/A</u> | 11. Are all BMPs identified on the Plan installed in the proper locations and according to the specifications for the Plan?                         |
| <u>YES</u> <u>NO</u> <u>N/A</u> | 12. Are all structural control practices in good repair and maintained in functional order?   |
| <u>YES</u> <u>NO</u> <u>N/A</u> | 13. Are all on-site traffic routes, parking, and storage of equipment and supplies restricted to areas designated in the Plan for those uses?       |
| <u>YES</u> <u>NO</u> <u>N/A</u> | 14. Are all locations of temporary soil stockpiles or construction materials in approved areas and properly contained?                              |
| <u>YES</u> <u>NO</u> <u>N/A</u> | 15. Are all seeded or landscaped areas properly maintained?   |

- YES   NO   N/A   16. Are sediment controls in place at discharge points from the site?
- YES   NO   N/A   17. Are slopes free of significant erosion?
- YES   NO   N/A   18. Are all points of ingress and egress from the site provided with stabilized construction entrances?
- YES   NO   N/A   19. Is the sediment, debris, or mud being cleaned from public roads at intersections with site access roads?
- YES   NO   N/A   20. Does the Plan reflect current site conditions?

If you answered "no" to any of the above questions (except Number 1), describe any corrective action(s) that must be taken to remedy the problem and when the corrective action is to be completed:

Checklist Item	Corrective Action(s) Needed	Date to be Completed

