



# City of Santa Clarita Project-Specific Urban Stormwater Mitigation Plan

The purpose of this checklist is to assist developers and project engineers in the preparation of a uniform and comprehensive Project-Specific Urban Stormwater Mitigation Plan (USMP).

Project Master Case Number: \_\_\_\_\_

ES Number: \_\_\_\_\_

Project Name: \_\_\_\_\_

**Review No.** \_\_\_\_\_

USMP Received on: \_\_\_\_\_

Review Completed on: \_\_\_\_\_

By: \_\_\_\_\_

**City of Santa Clarita  
Urban Stormwater Mitigation Plan (USMP) Checklist**

USMP REQUIREMENTS	Requirement Satisfied?		
	Yes	No	N/A

**TABLE OF CONTENTS**

Includes a Table of Contents, including a list of all figures and appendices.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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**ENGINEER CERTIFICATION**

The Engineer of Record has "wet" signed and stamped the USMP report and site and project plans.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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**PROJECT DESCRIPTION**

The Project Description must address the following:

Describes where facilities will be located.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Describes what activities will be conducted.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Describes what kinds of materials and products will be stored.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Describes what kinds of wastes will be generated.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Identifies the project location including:			
Site address or Assessor's Identification Number (AIN)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Thomas Brothers map pages and corresponding grid(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pollutants of concern for all downstream reaches of the watershed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provides the project size to the nearest 1/10 acre.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provides a table summarizing the project's:			
Pre-development			
▪ Pervious area in acres and percent of total project area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
▪ Impervious area in acres and percent of total project area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Post-development			
▪ Pervious area in acres and percent of total project area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
▪ Impervious area in acres and percent of total project area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Identifies current and proposed property use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Identifies the project's priority planning project type(s) and/or project characteristics or activities requiring a project-specific USMP (i.e. USMP trigger).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**SUSMP SPECIFIC REQUIREMENTS**

**1. Hydromodification (Flow/Volume/Duration) Control Criteria**

Demonstrates hydromodification control in natural drainage systems by maintaining the Erosion Potential ( $E_p$ ) in streams at a value of 1, unless an alternative value can be shown to be protective of the natural drainage systems from erosion, incision, and sedimentation that can occur as a result of flow increases from impervious surfaces and prevent damage to stream habitat in natural drainage system tributaries.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provides hydromodification control using one, or a combination of BMPs, LID strategies, or stream and riparian buffer restoration measures.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Projects disturbing an area greater than 1 acre but less than 50 acres within natural drainage systems must demonstrate the project is designed to retain onsite, through infiltration, evapotranspiration, and/or harvest and use, the stormwater volume from the runoff of the 95 <sup>th</sup> percentile, 24-hour storm event, or the runoff flow rate, volume, velocity, and duration for the post-development condition for the 2-year, 24-hour rainfall event.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Projects disturbing 50 acres or more within natural drainage systems must demonstrate the project infiltrates onsite at least the runoff from a 2-year, 24-hour storm event, or the runoff flow rate, volume, velocity, and duration for the post-development condition for the 2-year, 24-hour rainfall event.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2. Conserve Natural Areas</b>			
Provides a narrative describing each of the “conserve natural areas” site design BMP concepts incorporated into the project plans.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If a particular “conserve natural areas” site design BMP concept is found to be not applicable, provides an explanation as to why the concept cannot be implemented.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provides a narrative describing how each individual BMP will be implemented and maintained including inspection and maintenance frequency, inspection criteria, and the responsible entity or party.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provides a narrative describing the routing of hardscaped area drainage to natural areas for infiltration and treatment, or why it was deemed infeasible.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3. Minimize Stormwater Pollutants of Concern</b>			
Identifies potential pollutants of concern associated with the proposed project uses.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Identifies the presence of legacy pesticides, nutrients, or hazardous substances in the site’s soils as a result of past uses, if applicable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provides a narrative describing one or more structural or treatment control BMPs of medium or high effectiveness in reducing the pollutants of concern identified. Refer to the CASQA New Development and Redevelopment Handbook for BMP effectiveness ratings. <a href="http://www.cabmphandbooks.com/Development.asp">http://www.cabmphandbooks.com/Development.asp</a>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4. Protect Slopes and Channels</b>			
Provides a narrative describing each of the “protect slopes and channels” site design BMP concepts incorporated into the project plans.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If a particular “protect slopes and channels” site design BMP concept is found to be not applicable, provides an explanation as to why the concept cannot be implemented.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provides a narrative describing how each individual BMP will be implemented and maintained including inspection and maintenance frequency, inspection criteria, and the responsible entity or party.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5. Provide Storm Drain System Stenciling and Signage</b>			
Provides a narrative and states the number of inlets on the project site.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provides a sample of all stencils and signage to be used on the project site.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stencils and signage include prohibitive language such as “No Dumping – Drains to River” and/or graphical icons to discourage illegal dumping.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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	Yes	No	N/A
<b>6. Properly Design Outdoor Material Storage Areas</b>			
Provides a narrative describing the materials to be stored that have the potential to contaminate stormwater runoff.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Identifies all enclosures or structures that will be provided for material storage to prevent contact with runoff or spillage to the stormwater conveyance system.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that the material storage area is paved and sufficiently impervious to contain leaks and spills within a secondary containment area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that the material storage area has a roof or awning to minimize collection of stormwater within the secondary containment area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7. Properly Design Trash Storage Areas</b>			
Provides a narrative describing the design of onsite trash storage areas.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that drainage from adjoining roofs and pavement is diverted around the trash container area(s).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that trash container areas are screened or walled to prevent offsite transport of trash and has a solid roof to prevent contact with stormwater.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>8. Provide Proof of Ongoing BMP Maintenance</b>			
Identifies each BMP that requires operation and maintenance (O&M).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provides a thorough description of O&M activities, the O&M process, a maintenance schedule for all BMPs, and the handling and placement of any wastes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provides a City of Santa Clarita Maintenance Covenant signed by the current owner of the property, notarized, and recorded at the Los Angeles County Registrar-Recorder/County Clerk's office.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Identifies the parties responsible for O&M and provides a written agreement with the entities responsible for O&M. (i.e., Covenant and Agreement, HOA, POA, CC&Rs, formation of an assessment or maintenance district, etc.) Copies of these supporting documents are included in an Appendix.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Identifies self-inspection and recordkeeping requirements for BMPs including responsible parties.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>9. Water Quality/Flow Reduction/Resources Management Criteria</b>			
Provides a narrative describing one or more structural or treatment control BMPs of medium or high effectiveness in reducing the pollutants of concern identified.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that selected BMPs are properly designed to treat and infiltrate the stormwater runoff generated by the project site.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provides a hydrologic analysis to retain onsite the Stormwater Quality Design Volume (SWQDV) for the 0.75-inch, 24-hour rain event or the 85 <sup>th</sup> percentile, 24-hour rain event, as determined from the Los Angeles County 85 <sup>th</sup> percentile precipitation isohyetal map, whichever is greater. Includes supporting details (i.e., engineering studies, calculations, and reports) and Time of Concentration (T <sub>c</sub> ) for each subarea.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bioretention and biofiltration systems meet the design specifications provided in Attachment H of the Los Angeles County MS4 NPDES Permit.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates the evaluation of the maximum potential for onsite retention considering evapotranspiration from green roofs and rainfall harvest and use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provides site specific hydraulic calculations along with the recommended structural BMP manufacturer's product specifications to demonstrate the BMP(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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	Yes	No	N/A
will adequately handle the SWQDv, minimum design flow required for treatment, and the proposed project improvements provide the required minimum level of flood protection.			
Demonstrates measures to control peak flow discharge to provide stream channel and over bank flood protection.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Alternative Compliance for Technical Infeasibility</b>			
If onsite retention is technically infeasible, demonstrates that the project cannot reliably retain 100 percent of the SWQDv onsite, even with the maximum application of green roofs and rainwater harvest and use, and that compliance with the applicable post-construction requirements would be technically infeasible. USMP includes a site-specific hydrologic and/or design analysis conducted and endorsed by a registered professional engineer, geologist, architect, and/or landscape architect.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
To utilize alternative compliance measures to replenish groundwater at an offsite location, demonstrates: 1) why it is not advantageous to replenish groundwater at the project site; 2) that groundwater can be used for beneficial purposes at the offsite location; and 3) that the alternative measures shall also provide equal or greater water quality benefits to the receiving water.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Onsite Biofiltration</u> – Demonstrates alternative compliance by implementing onsite biofiltration BMPs and biofiltrates 1.5 times the portion of the SWQDv that is not reliably retained onsite, Biofiltration Volume (Bv).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Offsite Infiltration</u> – Demonstrates offsite infiltration or bioretention BMPs to intercept a volume of stormwater runoff equal to the SWQDv, less the volume of stormwater runoff reliably retained onsite. Demonstrates the required offsite Mitigation Volume (Mv).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates the offsite project location is in the same sub-watershed as the new development or redevelopment project.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provides a schedule for the completion of offsite projects, including milestone dates to identify, fund, design, and construct the project. Demonstrates the offsite project will be completed as soon as possible, and at the latest, within four (4) years of the certificate of occupancy.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates treatment of stormwater runoff from the project site using stormwater BMPs and control measures to reduce pollutant loadings to meet benchmarks listed in Table 11 of the Los Angeles County MS4 NPDES Permit at the treatment system outlet or prior to discharge to the MS4. Provides flow-through modular treatment systems including sand filters, or other proprietary BMP treatment systems, with a demonstrated efficiency at least equivalent to a sand filter. Sizing of the flow through treatment device shall be based on a rainfall intensity of 0.2 inches per hour or the 1-year, 1-hour rainfall intensity as determined from the Los Angeles County isohyetal map, whichever is greater.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**10. Provisions Applicable to Individual Priority Project Categories**

**A. Single Family Hillside Home**

Provides a narrative describing how roof runoff and surface flows are diverted to vegetated areas before discharge. If diversion would result in slope instability, the narrative describes the onsite conditions limiting this site design BMP concept.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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	Yes	No	N/A

**B. 10,000 Square Feet Industrial/Commercial Developments**

**Properly Design Loading/Unloading Dock Areas**

Provides a narrative describing all BMPs incorporated at loading dock areas to minimize drainage.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that loading dock areas are covered or designed to minimize run-on and runoff of stormwater.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that depressed loading docks are not directly connected to the storm drain system.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Properly Design Repair/Maintenance Bays**

Provides a narrative describing the typical activities at repair/maintenance bays and the BMPs incorporated to minimize contact with stormwater runoff.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that repair/maintenance bays are indoors or designed in such a way that do not allow stormwater run-on or contact with stormwater runoff.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates a proper drainage collection system to capture all wash water, leaks, and spills from repair/maintenance bays and connects to a sump for proper collection and disposal.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that repair/maintenance bays are not directly connected to the storm drain system.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Properly Design Vehicle/Equipment Wash Areas**

Provides a narrative describing the typical activities in vehicle/equipment wash areas and the BMPs incorporated to prevent non-stormwater discharges.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that vehicle/equipment wash areas are self-contained and/or covered, equipped with a clarifier, or other pretreatment facility, and properly connected to a sanitary sewer.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**C. Restaurants**

**Properly Design Equipment/Accessory Wash Areas**

Provides a narrative describing the typical activities in equipment/accessory wash areas and the BMPs incorporated to prevent non-stormwater discharges.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that equipment/accessory wash areas are self-contained, equipped with a grease trap, and properly connected to a sanitary sewer.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that outdoor equipment/accessory wash areas are covered, paved, have secondary containment, do not allow non-stormwater discharges, and are properly connected to a sanitary sewer.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**D. Retail Gasoline Outlets**

**Properly Design Fueling Areas**

Provides a narrative describing the BMPs incorporated in a fuel dispensing area to prevent non-stormwater discharges, and contact with stormwater run-on and runoff.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that the fuel dispensing area is covered with an overhanging roof structure or canopy that does not drain onto the fuel dispensing area, the canopy's minimum dimensions are equal or greater than the area within the	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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	Yes	No	N/A
grade break, and the canopy downspouts are routed to prevent drainage across the fueling area.			
Demonstrates that the fuel dispensing area is paved with Portland cement concrete (or equivalent smooth impervious surface) and does not use asphalt concrete.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that the fuel dispensing area has a 2% to 4% slope to prevent ponding and is separated from the rest of the site by a grade break that prevents run-on of stormwater to the extent practicable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that the fuel dispensing area's concrete extends 6.5 feet from the corner of each fuel dispenser, or the length at which the hose and nozzle assembly may be operated plus 1 foot, whichever is less.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**E. Automotive Repair Shops**

**Properly Design Fueling Area**

Provides a narrative describing the BMPs incorporated in a fuel dispensing area to prevent non-stormwater discharges, and contact with stormwater run-on and runoff.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that the fuel dispensing area is covered with an overhanging roof structure or canopy that does not drain onto the fuel dispensing area, the canopy's minimum dimensions are equal or greater than the area within the grade break, and the canopy downspouts are routed to prevent drainage across the fueling area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that the fuel dispensing area is paved with Portland cement concrete (or equivalent smooth impervious surface) and does not use asphalt concrete.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that the fuel dispensing area has a 2% to 4% slope to prevent ponding and is separated from the rest of the site by a grade break that prevents run-on of stormwater to the extent practicable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that the fuel dispensing area's concrete extends 6.5 feet from the corner of each fuel dispenser, or the length at which the hose and nozzle assembly may be operated plus 1 foot, whichever is less.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Properly Design Repair/Maintenance Bays**

Provides a narrative describing the typical activities at repair/maintenance bays and the BMPs incorporated to minimize contact with stormwater runoff.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that repair/maintenance bays are indoors or designed in such a way that do not allow stormwater run-on or contact with stormwater runoff.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates a proper drainage collection system to capture all wash water, leaks, and spills from repair/maintenance bays and connects to a sump for proper collection and disposal.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that direct connections to storm drains from repair/maintenance bays are prohibited.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Properly Design Vehicle/Equipment Wash Areas**

Provides a narrative describing the typical activities in vehicle/equipment wash areas and the BMPs incorporated to prevent non-stormwater discharges.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that vehicle/equipment wash areas are self-contained and/or covered, equipped with a clarifier, or other pretreatment facility, and properly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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	Yes	No	N/A

connected to a sanitary sewer.

**Properly Design Loading/Unloading Dock Areas**

Provides a narrative describing all BMPs incorporated at loading dock areas to minimize drainage.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that loading dock areas are covered or designed to minimize run-on and runoff of stormwater.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that direct connections to storm drains from depressed loading docks are prohibited.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**F. Parking Lots**

**Properly Design Parking Area**

Provides a narrative describing parking lot BMPs incorporated to reduce impervious areas and infiltrate and treat stormwater runoff.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates the reduction of parking lot impervious areas.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that stormwater runoff is infiltrated and treated before it reaches the storm drain system.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Properly Design to Limit Oil Contamination and Perform Maintenance**

Provides a narrative describing parking lot BMPs incorporated to treat and remove oil and petroleum hydrocarbons at heavily used parking lots and the adequate operation and maintenance of treatment systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that BMP measures will treat and remove oil and petroleum hydrocarbons at parking lots that are heavily used.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates the adequate operation and maintenance of treatment systems, particularly sludge and oil removal, and system fouling and plugging prevention control.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**11. Waiver**

Provides a narrative describing all structural or treatment control BMPs considered and rejected as infeasible.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demonstrates that the project has an extreme limitation of space for treatment on a redevelopment project, unfavorable or unstable soil conditions at a site to attempt infiltration, or risk of groundwater contamination because of a known unconfined aquifer lies beneath the land surface or an existing or potential underground source of drinking water is less than 10 feet from the soil surface.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**12. Limitation of Use of Infiltration BMPs**

Provides a narrative and demonstrates any infiltration BMPs considered at the project site and rejected as infeasible.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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**APPENDICES**

**Vicinity Map**

Includes a Vicinity Map identifying the project site and surrounding planning areas.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<b>Site and Project Plans</b>			
Includes a Site and Project Plans depicting the following project features:			
Location and identification of all structural BMPs, including treatment control BMPs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Landscaped areas.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Paved areas and intended uses.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Number and type of structures and intended uses. (i.e., buildings, tenant spaces, dwelling units, community facilities such as pools, recreation facilities, tot lots, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Infrastructure (i.e., streets, storm drains, etc.) that will revert to public agency ownership and operation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Location of existing and proposed public and private storm drainage facilities including catch basins and other inlet/outlet structures. (Existing and proposed drainage facilities should be clearly differentiated.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Location of points where onsite (or tributary offsite) flows exit the property/project site.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proposed drainage area boundaries, including tributary offsite areas, for each location where flows exit the property/project site. (Each tributary area should be clearly denoted.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shows the location of proposed BMPs on plans. All necessary manufacturer's installation notes and construction requirements and/or details are included on the plans for all treatment and holding facilities. This includes model, size, material type, dimensions, volumetric capacity, and manufacturer's treatment capacity.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shows all BMP design details and sections, and includes cut-sheets for all manufactured BMPs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
For non-proprietary BMPs, plans provide details of all organic materials including plants, filter materials and specifications. Planting and irrigation details for any vegetated BMP are indicated on the plans.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Specifies all elevations for proposed BMPs, inverts or flow lines as applicable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Specifies on the plans for each drainage device, the total design flow, $Q_{Total}$ , Peak Mitigation flow rate, $Q_{PM}$ , and Mitigation Volume, $V_M$ .	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clearly shows driveway/access road drainage and provides BMPs for treatment of driveway flows. Provides elevations, cross sections, or slopes as applicable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shows proposed drainage in paved areas. Provides spot elevations, slopes, and flow arrows to intended outlet(s). If offsite tributary flows are not included in onsite treatment, shows how flows will be directed away from proposed BMPs. Provides topography, elevations, cross sections, slopes, and details as applicable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shows all rooftop downspouts and directs rooftop runoff to pervious areas such as yards, vegetated open channels, or areas where practical. Provides BMP solution for treatment of roof runoff.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Project plans show actual stencil/signage and clearly indicate all locations where stencils and signage will be placed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Project plans include outdoor material storage area BMP design details and notes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Project plans include loading dock area BMP design details and notes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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	Yes	No	N/A
Project plans include repair/maintenance bay BMP design details and notes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Project plans include vehicle/equipment washing/steam cleaning area BMP design details and notes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Project plans include equipment/accessory wash area BMP design details and notes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Project plans include all fuel dispensing area BMP design details and notes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Project plans include parking lot BMP design details and notes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pre- and post-project topography.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Soils Report</b>			
Includes the required soils report.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Includes a percolation test report for proposed infiltration BMPs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Includes report detailing the historical pollutants deposited at the project site.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>BMP Details and Calculations</b>			
Includes supporting engineering calculations for treatment control BMP sizing and BMP design details. Provides cut-sheets for all manufactured BMPs used on the project.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Maintenance Covenant</b>			
Includes copies of the Maintenance Covenant, CC&Rs, and/or other mechanisms used to ensure the ongoing operation, maintenance, funding, transfer, and implementation of the project-specific USMP requirements.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>