NOTE TO PREPARER

This WQMP template uses 'hidden' text to provide important and necessary instructions to the preparer that will not be printed for your submittal. By default, Microsoft Word 2007 and 2010 are set to **not** display Hidden Text on your screen. If you can see the message between the two lines below, your computer is set to display 'hidden' text and you will be able to see the provided instructions.

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**MS Word 2010**

1. With this document open, click on the '*File*' tab at the upper left of the MS Word window.
2. In the menu on the left, click the '*Options*' button.
3. To view Hidden Text on your screen:
	1. In the window that opens, click *'Display'* on the left.
	2. In the right side of the window, under the heading '*Always show these formatting marks on the screen'*, check the box for *'Hidden Text.'*
4. To change whether or not Hidden Text is printed:
	1. In the same window panel as described in b) above, under the heading *'Printing Options'* check or un-check the box for *'Print Hidden Text'*.

**MS Word 2007**

1. With this document open, click on the round Office Button at the upper left of the MS Word window.
2. On the menu that opens, click on '*Word Options'* (near the bottom of the menu).
3. To view Hidden Text on your screen:
	1. In the window that opens, click *'Display'* on the left.
	2. In the right side of the window, under the heading '*Always show these formatting marks on the screen'*, check the box for *'Hidden Text.'*
4. To change whether or not Hidden Text is printed:
	1. In the same window panel as described in b) above, under the heading *'Printing Options'* check or un-check the box for *'Print Hidden Text'*.

**When printing this template, please remember to turn the display of 'Hidden Text' off to perform any final formatting or word processing.**Project Specific

**Water Quality Management Plan**

For: **Project Title**

**Location Address**

**DEVELOPMENT No.** **Tract, Parcel or Other ID Number**

**Design Review No.**  **Design Review No.**

**Prepared for:**

Name of Owner/Developer

Street Address

City, State Zip

Telephone: Telephone Number

**Prepared by:**

Name and Title of Preparer

Company Name

Street Address

City, State ZIP

Telephone: Telephone Number

**The project proponent shall ensure that this WQMP is prepared using the most recent version of the WQMP template. Submittals based an incorrect version of the template may be grounds for rejection of the submittal. Refer to the local jurisdiction to locate the appropriate version.**

Original Date Prepared: Date

Revision Date(s): Date

**OWNER'S CERTIFICATION**

This project-specific Water Quality Management Plan (WQMP) has been prepared for:

Name of Owner/Developer
by **Company Name**
for the project known as **Project Title** at **Location Address**.

This WQMP is intended to comply with the requirements of **Insert City or County Name** for **Tract, Parcel or Other ID Number**, which includes the requirement for the preparation and implementation of a project-specific WQMP.

The undersigned, while owning the property/project described in the preceding paragraph, shall be responsible for the implementation of this WQMP and will ensure that this WQMP is amended as appropriate to reflect up-to-date conditions on the site. This WQMP will be reviewed with the facility operator, facility supervisors, employees, tenants, maintenance and service contractors, or any other party (or parties) having responsibility for implementing portions of this WQMP. At least one copy of this WQMP will be maintained at the project site or project office in perpetuity.

The undersigned is authorized to certify and to approve implementation of this WQMP. The undersigned is aware that implementation of this WQMP is enforceable under **Insert City or County Name** Water Quality Ordinance (Municipal Code Section      ).

If the undersigned transfers its interest in the subject property/project, the undersigned shall notify the successor in interest of its responsibility to implement this WQMP.

"I, the undersigned, certify under penalty of law that I am the owner of the property that is the subject of this WQMP, and that the provisions of this WQMP have been reviewed and accepted and that the WQMP will be transferred to future successors in interest."

 **ATTEST**

Owner's Signature

Notary Signature

Printed Name

Title/Position

Date

Owner's Printed Name

Owner's Title/Position

Date

**Street Address**

**City, State Zip**

**Telephone Number**

THIS FORM SHALL BE NOTARIZED BEFORE ACCEPTANCE OF THE

FINAL PROJECT SPECIFIC WQMP

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A. Conditions of Approval

B. Vicinity Map, WQMP Site Plan, and Receiving Waters Map

C. Supporting Detail Related to Hydrologic Conditions of Concern (If Applicable)

D. Educational Materials

E. Soils Report (if applicable)

F. Structural BMP and/or Retention Facility Sizing Calculations and Design Details

G. Agreements – CC&Rs, Covenant and Agreements, BMP Maintenance Agreements and/or Other Mechanisms for ensuring ongoing Operation, Maintenance, Funding and Transfer of Requirements for this project-specific WQMP

H. Phase 1 Environmental Site Assessment – Summary of Site Remediation Conducted and Use Restrictions

I. Project-Specific WQMP Summary Data Form

# Project Description

Instructions:

The project description shall be completely and accurately described in narrative form. In the field provided on page 1-3, describe where facilities will be located, what activities will be conducted and where, what kinds of materials will be used and/or stored, how and where materials will be delivered, and the types of wastes that will be generated. The project description should be supported with figures, maps, and/or exhibits. The following information shall be detailed in the Site Plan, included as Appendix B:

* Location of BMP facilities (Source Control, LID/Site Design and/or Treatment Control);
* Number and type of structures and their intended uses;
* Paved areas and their intended uses (parking, outdoor work area, outdoor material storage area, sidewalks, patios, tennis courts, etc.);
* Landscaped areas;
* Locations of infrastructure (streets, storm drains, etc.), existing and proposed storm drain facilities, and Receiving Water(s) which the project will indirectly or directly discharge to;
* Location of points where onsite (or tributary offsite) flows exit the property/project site;
* Proposed on-site and (where applicable) existing site drainage area boundaries. Each drainage sub-area should be clearly denoted (A, B, C, etc.);
* Pre- and post-project topography

Appendix I is a one-page form that must be completed. The form summarizes pertinent information for tracking project-specific WQMPs.

**Project Owner**:Name of Owner/Developer

Street Address

City, State Zip

Telephone Number

**WQMP Preparer**: Name and Title of Preparer

Street Address

City, State ZIP

Telephone Number

Project Site Address: **Insert Project Street Address**

**Insert Project City, State, ZIP**

Planning Area/

Community Name/

Development Name: **Insert Planning Area / Community Name/ Development Name, if known**

APN Number(s): **Insert APN Number(s) - ENTER for new line**

Latitude & Longitude: **Insert coordinates here**

Receiving Water: **Enter Receiving Water which project will directly or indirectly discharge to, from Table 2 and/or Figure 2 of the Whitewater River Region WQMP Guidance**

Project Site Size: **Insert site size (indicate to 0.1 acres); include size of existing site, if required**

Standard Industrial Classification (SIC) Code: **Insert SIC, code, if applicable**

Formation of Home Owners' Association (HOA)

or Property Owners Association (POA): Y [ ]  N [ ]

Additional Permits/Approvals required for the Project:

|  |  |
| --- | --- |
| **AGENCY** | **Permit required** |
| State Department of Fish and Wildlife, Fish and Game Code §1602 Streambed Alteration Agreement | Y [ ]  N[ ]  |
| State Water Resources Control Board, Clean Water Act (CWA) Section 401 Water Quality Certification | Y [ ]  N[ ]  |
| US Army Corps of Engineers, CWA Section 404 permit | Y [ ]  N[ ]  |
| US Fish and Wildlife, Endangered Species Act Section 7 biological opinion | Y [ ]  N[ ]  |
| Statewide Construction General Permit Coverage | Y [ ]  N[ ]  |
| Statewide Industrial General Permit Coverage | Y [ ]  N[ ]  |
| Other *(please list in the space below as required)*      |

**Describe project here.**

Appendix A of this project-specific WQMP includes a complete copy of the final Conditions of Approval. Appendix B of this project-specific WQMP includes:

1. A Vicinity Map identifying the project site and surrounding planning areas in sufficient detail; and
2. A Site Plan for the project. The Site Plan included as part of Appendix B depicts the following project features:
* Location and identification of all structural BMPs, including Source Control, LID/Site Design and Treatment Control BMPs.
* Landscaped areas.
* Paved areas and intended uses (i.e., parking, outdoor work area, outdoor material storage area, sidewalks, patios, tennis courts, etc.).
* 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.).
* Infrastructure (i.e., streets, storm drains, etc.) that will revert to public agency ownership and operation.
* Location of existing and proposed public and private storm drainage facilities (i.e., storm drains, channels, basins, etc.), including catch basins and other inlets/outlet structures. Existing and proposed drainage facilities should be clearly differentiated.
* Location(s) of Receiving Waters to which the project directly or indirectly discharges.
* Location of points where onsite (or tributary offsite) flows exit the property/project site.
* Delineation of proposed drainage area boundaries, including tributary offsite areas, for each location where flows exit the project site and existing site (where existing site flows are required to be addressed). Each tributary area should be clearly denoted.
* Pre- and post-project topography.

Appendix I is a one page form that summarizes pertinent information relative to this project-specific WQMP.

# Site Characterization

Land Use Designation or Zoning: **Insert current and proposed zoning or land use designation**

Current Property Use: **Insert actual use(s) of property (i.e., undeveloped, previously developed but vacant, etc.)**

Proposed Property Use: **Insert proposed use of property**

Availability of Soils Report: Y [ ]  N [ ]  *Note: A soils report is required if infiltration BMPs are utilized. Attach report in Appendix E.*

Phase 1 Site Assessment: Y [ ]  N [ ]  *Note: If prepared, attached remediation summary and use restrictions in Appendix H.*

**Receiving Waters for Urban Runoff from Site**

Instructions:

On the following page, list in order of upstream to downstream the Receiving Waters that the project is tributary to (a map of Whitewater River Region Receiving Waters can be found in Section 3.1 of the WQMP Guidance document). Then, continue to fill each row with:

1) The Receiving Water's EPA approved 303(d) listed impairments, if any (available at: <http://www.waterboards.ca.gov/coloradoriver/water_issues/programs/tmdl/rb7_303d_list.shtml> ). When viewing this webpage, locate and utilize the most recent 303 (d) list to which EPA has issued its final decision. A list which is proposed for revision, or one which has only been approved by the Regional or State Water Resources Control Board and not EPA, is not the final EPA approved list.;

2) The Receiving Water's designated Beneficial Uses (a list of Receiving Waters and their Beneficial Uses can be found in Table 3 of the WQMP Guidance document, and also in the Water Quality Control Plan for the Colorado River Basin Region, available at: <http://www.waterboards.ca.gov/coloradoriver/water_issues/programs/basin_planning/>); and

3) Proximity to a Receiving Water with the RARE Beneficial Use designation (if any).

Include a map of these Receiving Waters in the Site Plan, as part of Appendix B.

|  |  |  |  |
| --- | --- | --- | --- |
| Receiving Waters | EPA Approved 303(d) List Impairments | Designated Beneficial Uses | Proximity to RARE Beneficial Use Designated Receiving Waters |
| Insert name of 1st Receiving Water | List any EPA approved 303(d) impairments of 1st Receiving Water, including approved TMDL pollutant limitations | Insert designated Beneficial Use of 1st Receiving Water | Insert distance of project to RARE-designated waters (indicate whether feet, yards, or miles) |
| Insert name of 2nd Receiving Water | List any EPA approved 303(d) impairments of 2nd Receiving Water, including approved TMDL pollutant limitations | Insert designated Beneficial Use of 2nd Receiving Water | Insert distance of project to RARE-designated waters (indicate whether feet, yards, or miles) |
| Insert name of 3rd Receiving Water | List any EPA approved 303(d) impairments of 3rd Receiving Water, including approved TMDL pollutant limitations | Insert designated Beneficial Use of 3rd Receiving Water | Insert distance of project to RARE-designated waters (indicate whether feet, yards, or miles) |

# Pollutants of Concern

Instructions:

Potential Pollutants of Concern associated with Urban Runoff from the proposed project must be identified. They must also be identified for the existing site, if the project is a Priority Redevelopment Project (defined as a project that falls under one of the eight Priority Development categories and will take place on a previously disturbed parcel) which proposes to replace 50% or more of the impervious surfaces on an existing developed site; in these cases, Pollutants of Concern must be assessed and addressed for the entire developed site. Exhibit 2 of the WQMP Guidance document provides descriptions of typical Pollutants of Concern associated with Urban Runoff, and a table that associates typical potential Pollutants of Concern with different types of development (land use). Additionally, in identifying Pollutants of Concern, the presence of legacy pesticides, nutrients, or hazardous substances in the site's soils as a result of past uses and their potential for exposure to Urban Runoff must be addressed in project-specific WQMPs. The local land use authority may also require specific pollutants commonly associated with Urban Runoff to be addressed based on known problems in the watershed.

The combination of Site Design BMP concepts, Source Control BMPs, LID/Site Design BMPs and Treatment Control BMPs incorporated into the project plans must address the potential Pollutants of Concern identified for the project. The list of potential Urban Runoff pollutants identified for the project must also be compared with the pollutants identified as causing impairment in proximate Receiving Waters, if any. To identify pollutants impairing proximate Receiving Waters, each project proponent preparing a project-specific WQMP shall do the following:

1. For each of the proposed project discharge points, identify the proximate Receiving Water(s) (see Figure 2 of the WQMP Guidance document).
2. For each proximate Receiving Water identified, review the most recent Clean Water Act Section 303(d) list of impaired water bodies (available at <http://www.waterboards.ca.gov/coloradoriver/water_issues/programs/tmdl/rb7_303d_list.shtml> ) and list all pollutants for which the proximate Receiving Waters are impaired in the "Causing Receiving Water Impairment" column of Table 1. For example, projects tributary to the lower 17 mile reach of the Coachella Valley Storm Water Channel shall identify Bacteria & Viruses within Table 1 as impairing Receiving Waters.
3. Using Exhibit 2 (General Categories of Pollutants of Concern) of the WQMP Guidance document, identify all post-construction potential Pollutants of Concern from the project site and summarize them in the "Potential for Project" column of Table 1.
4. Compare the list of pollutants for which the proximate Receiving Waters are impaired with the Pollutants of Concern to be generated by the project. For Pollutants of Concern that are causing impairment in Receiving Waters, the project WQMP shall incorporate one or more LID/Site Design and/or Treatment Control BMPs of medium or high effectiveness in reducing those pollutants.

Table 1. Pollutant of Concern Summary

|  |  |  |
| --- | --- | --- |
| **Pollutant Category** | **Potential for Project and/or Existing Site** | **Causing Receiving Water Impairment** |
| Bacteria/Virus |  |  |
| Heavy Metals |  |  |
| Nutrients |  |  |
| Toxic Organic Compounds |  |  |
| Sediment/Turbidity |  |  |
| Trash & Debris |  |  |
| Oil & Grease |  |  |
| Other (specify pollutant): |  |  |
| Other (specify pollutant): |  |  |

# Hydrologic Conditions of Concern

**Local Jurisdiction Requires On-Site Retention of Urban Runoff:**

Yes [ ]  The project will be required to retain urban runoff onsite in conformance with local ordinance (See Table 6 of the WQMP Guidance document, "Local Land use Authorities Requiring Onsite Retention of Stormwater"). This section does not need to be completed; however, retention facility design details and sizing calculations must be included in Appendix F.

No [ ]  This section must be completed.

Instructions:

Impacts to the hydrologic regime resulting from New Development or Redevelopment Projects may include increased runoff volume and velocity, reduced infiltration, increased flow frequency, duration, and peaks; faster time to reach peak flow, and water quality degradation. A change to the hydrologic regime at a project's site would be considered a hydrologic condition of concern if the change would have a significant impact on downstream erosion compared to the pre-development condition or have significant impacts on stream habitat.

This project-specific WQMP must address the issue of Hydrologic Conditions of Concern from the proposed project, (and existing developed site, if the project is a Priority Redevelopment Project which proposes to replace 50% or more of the impervious surfaces on an existing developed site) unless one of conditions A, B or C below is met. More information and guidance on how to address Hydrologic Conditions of Concern can be found in Section 3.4 of the WQMP Guidance document

**This Project meets the following condition:**

|  |  |
| --- | --- |
| **[ ]**  | **Condition A**: 1) Runoff from the Project is discharged directly to a publicly-owned, operated and maintained MS4 or engineered and maintained channel, 2) the discharge is in full compliance with local land use authority requirements for connections and discharges to the MS4 (including both quality and quantity requirements), 3) the discharge would not significantly impact stream habitat in proximate Receiving Waters, **and** 4) the discharge is authorized by the local land use authority. |
| **[ ]**  | **Condition B**: The project disturbs less than 1 acre and is not part of a larger common plan of development that exceeds 1 acre of disturbance. The disturbed area calculation must include all disturbances associated with larger plans of development. |
| **[ ]**  | **Condition C**: The project's runoff flow rate, volume, velocity and duration for the post-development condition do not exceed the pre-development condition for the 2-year, 24-hour and 10-year 24-hour rainfall events. This condition can be achieved by, where applicable, complying with the local land use authority's on-site retention ordinance, or minimizing impervious area on a site and incorporating other Site-Design BMP concepts and LID/Site Design BMPs that assure non-exceedance of pre-development conditions. This condition must be substantiated by hydrologic modeling methods acceptable to the local land use authority. |
| **[ ]**  | **None:** Refer to Section 3.4 of the Whitewater River Region WQMP Guidance document for additional requirements. |

Supporting engineering studies, calculations, and reports are included in Appendix C.

|  |  |  |
| --- | --- | --- |
|  | 2 year – 24 hour | 10 year – 24 hour |
|  | **Precondition** | **Post-condition** | **Precondition** | **Post-condition** |
| **Discharge (cfs)** |  |  |  |  |
| **Velocity (fps)** |  |  |  |  |
| **Volume (cubic feet)** |  |  |  |  |
| **Duration (minutes)** |  |  |  |  |

# Best Management Practices

General Instructions:

Projects must implement Best Management Practices (BMPs) to address the Pollutants of Concern identified in section III above, and where applicable, Hydrologic Conditions of Concern. These BMPs consist of Site Design BMP concepts, Source Control, LID/Site Design and Treatment Control BMPs. All projects are required to implement Site Design BMP concepts (unless infeasible), structural and non-structural Source Control BMPs (as applicable to the specific project), and Treatment Control BMPs; Treatment Control BMPs must comply with the numeric sizing criteria specified in 2013 MS4 Permit Section F.1.c.v.4.a.ii and F.1.c.v.4.b.i, and described in the 2014 Whitewater River Region Stormwater Quality Best Management Practice Design Handbook for Low Impact Development (located at: <http://rcflood.org/npdes/Developers.aspx>), unless a waiver is granted by the local land use authority. Wherever feasible, all projects must address the 'Treatment Control BMP requirement' through the use of LID/Site Design BMPs to meet the measurable goal, as described in Section 3.5.1.1 of the WQMP Guidance. Additionally, where a Priority Redevelopment Project (defined as a project that falls under one of the eight Priority Development categories, and will take place on a previously disturbed parcel) will replace 50% or more of the impervious surfaces on an existing developed site, the Treatment Control numeric sizing criteria must be addressed for the entire developed site.

For project Pollutants of Concern that are also causing impairment in Receiving Waters (see Table 1 above), the project-specific WQMP must incorporate Site Design BMP concepts, LID/Site Design and/or Treatment Control BMPs of medium or high effectiveness in reducing those Pollutants of Concern, as described in WQMP Guidance document Section 3.5.1. Treatment Control BMPs are only to be implemented where it is infeasible to address the treatment requirements with LID/Site Design BMPs.

It is the responsibility of the project proponent to demonstrate, and document in the project-specific WQMP that all Pollutants of Concern will be addressed. The local land use authority may require information beyond the minimum requirements of the WQMP Guidance document and Template to demonstrate that adequate treatment is being accomplished.

All supporting sizing calculations and design details for LID/Site Design BMPs, Treatment Control BMPs, and retention facilities (where projects are subject to local land use authority retention ordinance) shall be included in Appendix F. Details for sizing and design of retention facilities to comply with local ordinance can be obtained from the applicable local land use authority.

Note: Projects that will utilize infiltration-based LID/Site Design or Treatment Control BMPs (e.g., infiltration basins, infiltration trenches, dry wells, porous pavement) must include a copy of the property/project soils report as Appendix E to the project-specific WQMP.

This project implements Best Management Practices (BMPs) to address the Pollutants of Concern that may potentially be generated from the use of the Choose one: 'project site' or 'project site plus existing site area(s)'. These BMPs have been selected and implemented to comply with Section 3.5 of the WQMP Guidance document, and consist of Site Design BMP concepts, Source Control, LID/Site Design and, if/where necessary, Treatment Control BMPs as described herein.

## V.1 Site Design BMP Concepts, LID/Site Design and Treatment Control BMPs

Local Jurisdiction Requires On-Site Retention of Urban Runoff:

Yes [ ]  The project will be required to retain Urban Runoff onsite in conformance with local ordinance (See Table 6 of the WQMP Guidance document, "Local Land use Authorities Requiring Onsite Retention of Stormwater). **The LID/Site Design measurable goal has thus been met (100%), and Sections V.1.A and V.1.B do not need to be completed**; however, retention facility design details and sizing calculations must be included in Appendix F, and '100%' should be entered into Column 3 of Table 6 below.

No [ ]  Section V.1 must be completed.

Guidance on sizing and design of retention facilities to comply with local ordinance can be obtained from the applicable local land use authority. Projects not meeting the above exemption must fully address the requirements of Section 3.5.1 of the WQMP Guidance document, which sets forth:

1. The required minimum implementation of Site Design BMP concepts, and
2. Requirements for BMPs to be implemented to address the project's Pollutants of Concern:

The requirements to address the project's Pollutants of Concern are herein referred to as 'Treatment Control BMP Requirements' and are summarized below:

'**TREATMENT CONTROL BMP REQUIREMENTS'**:

* BMPs shall be implemented to address all of the project's Pollutants of Concern (plus Pollutants of Concern for the existing site, if the project proposes to replace 50% or more of the impervious surfaces on an existing developed site) and have a high / medium effectiveness at treating those pollutants that are causing Receiving Water impairment.
* In addressing Pollutants of Concern, BMPs shall be properly designed and implemented to contain, infiltrate or treat runoff produced by VBMP (the flow-based BMP design criteria) or QBMP (the volume-based BMP design criteria) for the entire area tributary to the BMP.

LID/Site Design BMPs must be selected, sized and implemented to fully address the 'Treatment Control BMP Requirement' as described above, and in Section 3.5.1.1 of the WQMP, to the extent feasible. LID/Site Design BMPs are BMPs which promote retention and/or feature a natural treatment mechanism; examples include, but are not limited to: extended detention basins, retention basins, drywells, and naturally-lined swales and filter strips.

Where it has been acceptably demonstrated to the Permittee that it is infeasible to completely address the 'Treatment Control BMP Requirement' with LID/Site Design BMPs, conventional Treatment Control BMPs must be substituted to fully meet these requirements.

This section of the Project-Specific WQMP documents the LID/Site Design BMPs and, if/where necessary, the Treatment Control BMPs that will be implemented on the project to meet the requirements detailed within Section 3.5.1 of the WQMP Guidance document. Section 3.5.1 includes requirements to implement Site Design Concepts and BMPs, and includes requirements to address Pollutants of Concern with BMPs. Further, sub-section 3.5.1.1 specifically requires that Pollutants of Concern be addressed with LID/Site Design BMPs to the extent feasible.

LID/Site Design BMPs are those BMPs listed within Table 2 below which promote retention and/or feature a natural treatment mechanism; off-site and regionally-based BMPs are also LID/Site Design BMPs, and therefore count towards the measurable goal, if they fit these criteria. This project incorporates LID/Site Design BMPs to fully address the Treatment Control BMP requirement where and to the extent feasible. If and where it has been acceptably demonstrated to the local land use authority that it is infeasible to fully meet this requirement with LID/Site Design BMPs, Section V.1.B (below) includes a description of the conventional Treatment Control BMPs that will be substituted to meet the same requirements.

In addressing Pollutants of Concern, BMPs are selected using Table 2 below.

Table 2. BMP Selection Matrix Based Upon Pollutant of Concern Removal Efficiency (1)

(Sources: Riverside County Flood Control & Water Conservation District Design Handbook for Low Impact Development Best Management Practices, dated September 2011, the Orange County Technical Guidance Document for Water Quality Management Plans, dated May 19, 2011, and the Caltrans Treatment BMP Technology Report, dated April 2010 and April 2008)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pollutant of Concern | Landscape Swale2, 3 | Landscape Strip2, 3 | Biofiltration (with underdrain)2, 3 | Extended Detention Basin2 | Sand Filter Basin2 | Infiltration Basin2 | Infiltration Trench2 | Permeable Pavement2 | Bioretention (w/o underdrain)2, 3 | Other BMPs Including Proprietary BMPs4, 6 |
| Sediment & Turbidity | M | M | H | M | H | H | H | H | H | Varies by Product5 |
| Nutrients | L/M | L/M | M | L/M | L/M | H | H | H | H |
| Toxic Organic Compounds | M/H | M/H | M/H | L | L/M | H | H | H | H |
| Trash & Debris | L | L | H | H | H | H | H | L | H |
| Bacteria & Viruses (also: Pathogens) | L | M | H | L | M | H | H | H | H |
| Oil & Grease | M | M | H | M | H | H | H | H | H |
| Heavy Metals | M | M/H | M/H | L/M | M | H | H | H | H |
| Abbreviations:L: Low removal efficiency M: Medium removal efficiency H: High removal efficiencyNotes:(1) Periodic performance assessment and updating of the guidance provided by this table may be necessary.(2) Expected performance when designed in accordance with the most current edition of the document, "Riverside County, Whitewater River Region Stormwater Quality Best Management Practice Design Handbook".(3) Performance dependent upon design which includes implementation of thick vegetative cover. Local water conservation and/or landscaping requirements should be considered; approval is based on the discretion of the local land use authority.(4) Includes proprietary stormwater treatment devices as listed in the CASQA Stormwater Best Management Practices Handbooks, other stormwater treatment BMPs not specifically listed in this WQMP (including proprietary filters, hydrodynamic separators, inserts, etc.), or newly developed/emerging stormwater treatment technologies.(5) Expected performance should be based on evaluation of unit processes provided by BMP and available testing data. Approval is based on the discretion of the local land use authority.(6) When used for primary treatment as opposed to pre-treatment, requires site-specific approval by the local land use authority. |

### V.1.A Site Design BMP Concepts and LID/Site Design BMPs

Instructions:

The project shall incorporate each of the following Site Design BMP concepts to the extent feasible:

Concept 1: Minimize Urban Runoff, Minimize Impervious Footprint, and Conserve Natural Areas (WQMP section 3.5.1.3)

Concept 2: Minimize Directly Connected Impervious Areas (WQMP section 3.5.1.4)

Further, the project must implement LID/Site Design BMPs to meet the measurable goal described in Section 3.5.1.1 of the WQMP Guidance document by selecting, sizing and implementing any one or combination of BMPs from Table 2 above which promote retention and/or feature a natural treatment mechanism (inclusive of off-site and regionally-based BMPs which fit these criteria), to meet the 'Treatment Control BMP Requirements' to the extent feasible.

Where implementation of Site Design BMP concepts involves utilization of structural LID/Site Design BMPs outlined in Table 2 above (i.e. retention, permeable pavements, etc.), and implementation of those BMPs completely address the volumetric and/or flow-based 'Treatment Control BMP requirement'for the drainage sub-area, that area also applies towards the LID/Site Design measurable goal. Additionally, where implementation of Site Design BMP concepts involves utilization of project areas which, on their own, address the volumetric and/or flow-based Treatment Control BMP design criteria for their footprint area (i.e. Self-Retaining and/or Self-Treating Areas), those areas also apply towards the LID/Site Design measurable goal.

This section documents the Site Design BMP concepts and LID/Site Design BMPs that will be implemented on this project to comply with the requirements detailed in Section 3.5.1 of the WQMP Guidance document.

* Table 3 herein documents the implementation of the Site Design BMP Concepts described in sub-sections 3.5.1.3 and 3.5.1.4.
* Table 4 herein documents the extent to which this project has implemented the LID/Site Design goals described in sub-section 3.5.1.1.

Table 3. Implementation of Site Design BMP Concepts

Instructions:

For each Site Design BMP concept listed, indicate "Yes" for BMPs that have been included in the project, "No" for BMPs that were not included, or "N/A" for BMPs that are not applicable for the type of project. The local land use authority may require implementation of specific Site Design BMP concepts that they determine to be feasible and applicable to the project.

Note: The local land use authority's general plan or other land use regulations/documents may require several measures that are effectively Site Design BMP concepts (such as minimization of directly connected impervious areas or setbacks from natural drainage courses). The project proponent should consult local land use authority staff to determine if those requirements may be identified as Site Design BMP concepts. See Section 3.5.1 of the WQMP Guidance document for additional guidance on Site Design BMP concepts.

Following Table 3:

* The project proponent must provide narrative descriptions explaining how each included Site Design BMP concept will be implemented.
* If the project proponent implements a local land use authority-approved alternative or equally effective Site Design BMP concept, an additional description shall be provided in the appropriate section below Table 3 indicating the nature of the Site Design BMP concept, and how it addresses the same objective(s) as those described by Site Design concepts 1 and/or 2. Any supporting documentation regarding local land use authority approval of that Site Design BMP concept shall be included in Appendix F.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  | **Included** | **Brief Reason for BMPsIndicated as No or N/A**  |
| **Design Concept** | **Technique** | **Specific BMP** | **Yes** | **No** | **N/A** |
| ***Site Design BMP Concept 1*** | **Minimize Urban Runoff, Minimize Impervious Footprint, and Conserve Natural Areas** **(See WQMP Section 3.5.1.3)** | Conserve natural areas by concentrating or clustering development on the least environmentally sensitive portions of a site while leaving the remaining land in a natural, undisturbed condition. | [ ]  | [ ]  | [ ]  |  |
| Conserve natural areas by incorporating the goals of the Multi-Species Habitat Conservation Plan or other natural resource plans. | [ ]  | [ ]  | [ ]  |  |
| Preserve natural drainage features and natural depressional storage areas on the site. | [ ]  | [ ]  | [ ]  |  |
| Maximize canopy interception and water conservation by preserving existing native trees and shrubs, and planting additional native or drought tolerant trees and large shrubs. | [ ]  | [ ]  | [ ]  |  |
| Use natural drainage systems. | [ ]  | [ ]  | [ ]  |  |
| Where applicable, incorporate Self-Treating Areas | [ ]  | [ ]  | [ ]  |  |
| Where applicable, incorporate Self-Retaining Areas | [ ]  | [ ]  | [ ]  |  |
| Increase the building floor to area ratio (i.e., number of stories above or below ground). | [ ]  | [ ]  | [ ]  |  |
| Construct streets, sidewalks and parking lot aisles to minimum widths necessary, provided that public safety and a walkable environment for pedestrians are not compromised. | [ ]  | [ ]  | [ ]  |  |
| Reduce widths of streets where off-street parking is available. | [ ]  | [ ]  | [ ]  |  |
| Minimize the use of impervious surfaces, such as decorative concrete, in the landscape design. | [ ]  | [ ]  | [ ]  |  |
| Other comparable and equally effective Site Design BMP concept(s) as approved by the local land use authority (Note: Additional narrative required to describe BMP and how it addresses site design concept). | [ ]  | [ ]  | [ ]  |  |

Table 3. Site Design BMP Concepts (continued)

|  |  |  | **Included** | **Brief Reason for Each BMPIndicated as No or N/A** |
| --- | --- | --- | --- | --- |
| **Design Concept** | **Technique** | **Specific BMP** | **Yes** | **No** | **N/A** |
| ***Site Design BMP Concept 2*** | **Minimize Directly Connected Impervious Area** **(See WQMP Section 3.5.1.4)** | Design residential and commercial sites to contain and infiltrate roof runoff, or direct roof runoff to landscaped swales or buffer areas. | [ ]  | [ ]  | [ ]  |  |
| Drain impervious sidewalks, walkways, trails, and patios into adjacent landscaping. | [ ]  | [ ]  | [ ]  |  |
| Incorporate landscaped buffer areas between sidewalks and streets. | [ ]  | [ ]  | [ ]  |  |
| Use natural or landscaped drainage swales in lieu of underground piping or imperviously lined swales.  | [ ]  | [ ]  | [ ]  |  |
| Where soil conditions are suitable, use perforated pipe or gravel filtration pits for low flow infiltration.  | [ ]  | [ ]  | [ ]  |  |
| Maximize the permeable area by constructing walkways, trails, patios, overflow parking, alleys, driveways, low-traffic streets, and other low-traffic areas with open-jointed paving materials or permeable surfaces such as pervious concrete, porous asphalt, unit pavers, and granular materials.  | [ ]  | [ ]  | [ ]  |  |
| **Use one or more of the following:** |
| Rural swale system: street sheet flows to landscaped swale or gravel shoulder, curbs used at street corners, and culverts used under driveways and street crossings. | [ ]  | [ ]  | [ ]  |  |
| Urban curb/swale system: street slopes to curb; periodic swale inlets drain to landscaped swale or biofilter. | [ ]  | [ ]  | [ ]  |  |
| Dual drainage system: first flush captured in street catch basins and discharged to adjacent vegetated swale or gravel shoulder; high flows connect directly to MS4s. | [ ]  | [ ]  | [ ]  |  |
| Other comparable and equally effective Site Design BMP concept(s) as approved by the local land use authority (Note: Additional narrative required to describe BMP and how it addresses site design concept). | [ ]  | [ ]  | [ ]  |  |
| **Use one or more of the following for design of driveways and private residential parking areas:** |
| Design driveways with shared access, flared (single lane at street), or wheel strips (paving only under the tires). | [ ]  | [ ]  | [ ]  |  |
| Uncovered temporary or guest parking on residential lots paved with a permeable surface, or designed to drain into landscaping. | [ ]  | [ ]  | [ ]  |  |

Table 3. Site Design BMP Concepts (continued)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  | **Included** | **Brief Reason for Each BMPIndicated as No or N/A** |
| **Design Concept** | **Technique** | **Specific BMP** | **Yes** | **No** | **N/A** |
| ***Site Design BMP Concept 2*** ***(cont'd)*** | **Minimize Directly Connected Impervious Area** **(See WQMP Section 3.5.1.4)** | Other comparable and equally effective Site Design BMP concept(s) as approved by the local land use authority (Note: Additional narrative required to describe BMP and how it addresses site design concept). | [ ]  | [ ]  | [ ]  |  |
| **Use one or more of the following for design of parking areas:** |
| Where landscaping is proposed in parking areas, incorporate parking area landscaping into the drainage design. | [ ]  | [ ]  | [ ]  |  |
| Overflow parking (parking stalls provided in excess of the Permittee's minimum parking requirements) may be constructed with permeable pavement. | [ ]  | [ ]  | [ ]  |  |
| Other comparable and equally effective Site Design BMP (or BMPs) as approved by the local land use authority (Note: Additional narrative required describing BMP and how it addresses site design concept). | [ ]  | [ ]  | [ ]  |  |

**Project Site Design BMP Concepts:**

Insert text here briefly describing how each included Site Design BMP concept will be implemented.

**Alternative Project Site Design BMP Concepts:**

Insert text here describing any other comparable and equally effective Site Design BMP concept(s) as approved by the local land use authority, or indicate N/A.

Table 4. LID/Site Design BMPs Meeting the LID/Site Design Measurable Goal

Instructions:

As described in Section 3.5.1.1 of the WQMP Guidance document, the project's 'Treatment Control BMP Requirement' must be fully met with properly selected and sized LID/Site Design BMPs, to the extent feasible. Document in Table 4 only those implemented LID/Site Design BMPs that will meet all of the 'Treatment Control BMP Requirement' for their respective drainage sub-area.

Column (1) Enter drainage sub-area identification or number. If the project proposes to replace 50% or more of the impervious surfaces on an existing developed site, drainage areas of the existing site must also be accounted for.

Column (2) List each LID/Site Design BMP type (and if applicable, Site Design BMP concept), making sure that the selected BMP: 1) is named as listed in the column headings of Table 2, 2) promotes retention and/or features a natural treatment mechanism, and 3) completely addresses VBMP and/or QBMP for its drainage sub-area. Self-Retaining and Self-Treating areas, and also off-site and regionally-based BMPs may be listed here as LID/Site Design, as long as the selected BMP meets these criteria.

Column (3) List the Pollutants that are potentially generated within that specific sub-area (per WQMP Guidance Exhibit 2).

Column (4) List the Pollutants that are potentially generated within that specific sub-area that are causing Receiving Water impairment (per Table 1).

Column (5) For the LID/Site Design BMP type identified in Column 2, identify that BMP's relative effectiveness at addressing the potential Pollutants identified in Columns 3 and 4. Indicate "U","L", "M", "H/M", or "H" as defined in Table 2. Only "M', "H/M" or "H" BMPs should be selected to address the Pollutant(s) identified in column 4. Other selections will require justification and approval by the local land use authority.

Column (6) Identify whether the LID/Site Design BMP was sized to meet QBMP or VBMP.

Column (7) Enter the total area of the drainage sub-area.

In the final row of Table 4, add up the total area of the project (include existing site area, if the project proposes to replace 50% or more of the impervious surfaces on an existing developed site) which has completely addressed the 'Treatment Control BMP requirement' using LID/Site Design BMPs. **This number will be entered into Column 1 of Table 6 below, to calculate the project's achievement towards the measurable goal.** Calculations and other supporting documentation demonstrating that selected BMPs meet the 'Treatment Control BMP Requirement' for their drainage sub-area must be included in Appendix F.

For any project sub-areas for which it can be clearly demonstrated that it is infeasible to fully meet the 'Treatment Control BMP Requirements' with a LID/Site Design BMP, appropriate justification shall be described in the field below Table 4. This field shall clearly identify each applicable sub-area, and provide justification of infeasibility for each.

NOTE: Final determination of feasibility regarding implementation of LID/Site Design BMPs to meet the 'Treatment Control BMP Requirements' will be made by the local land use authority. Where it has been acceptably demonstrated to the local land use authority that the 'Treatment Control BMP Requirements' cannot be fully met with LID/Site Design BMPs for any given sub-area, Section V.1.B of the project-specific WQMP will need to be completed for that area.

| **(1)** | **(2)** | **(3)** | **(4)** | **(5)** | **(6)** | **(7)** |
| --- | --- | --- | --- | --- | --- | --- |
| **Drainage Sub-areaID or No.** | **LID/Site Design BMP Type\*** | **Potential pollutants of concern within drainage sub-area** | **potential Pollutants within sub-area causing receiving water impairments** | **Effectiveness of LID/Site Design BMP at addressing identified potential pollutants** | **BMP Meets which Design Criteria?** | **total area within drainage sub-area**  |
|  | (See Table 2) | (Refer to Table 1) | (Refer to Table 1) | (U, L, M, H/M, H; see Table 2) | (Identify as VBMP or QBMP) | (Nearest 0.1 acre) |
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| **total project area treated with LID/Site design bmps (Nearest 0.1 acre)** |  |

**\* LID/Site Design BMPs listed in this table are those that completely address the 'Treatment Control BMP requirement' for their drainage sub-area.**

**Justification of infeasibility for sub-areas not addressed with LID/Site Design BMPs**

Insert text here listing each drainage sub-area wherein the design criteria of VBMP and/or QBMP are not treated using LID/Site Design BMPs as required in WQMP Guidance Section 3.5.1.1, and provide justification of infeasibility for each.

### V.1.B Treatment Control BMPs

Conventional Treatment Control BMPs shall be implemented to address the project's Pollutants of Concern as required in WQMP Section 3.5.1 where, and to the extent that, Section V.1.A has demonstrated that it is infeasible to meet these requirements through implementation of LID/Site Design BMPs.

[ ]  The LID/Site Design BMPs described in Section V.1.A of this project-specific WQMP completely address the 'Treatment Control BMP requirement' for the entire project site (and where applicable, entire existing site) as required in Section 3.5.1.1 of the WQMP Guidance document. Supporting documentation for the sizing of these LID/Site Design BMPs is included in Appendix F. \***Section V.1.B does not need to be completed**.

[ ]  The LID/Site Design BMPs described in Section V.1.A of this project-specific WQMP do **NOT** completely address the 'Treatment Control BMP requirement' for the entire project site (or where applicable, entire existing site) as required in Section 3.5.1.1 of the WQMP. **\*Section V.1.B must be completed.**

The Treatment Control BMPs identified in this section are selected, sized and implemented to treat the design criteria of VBMP and/or QBMP for all project (and if required, existing site) drainage sub-areas which were not fully addressed using LID/Site Design BMPs. Supporting documentation for the sizing of these Treatment Control BMPs is included in Appendix F.

Table 5: Treatment Control BMP Summary

Instructions:

This table shall document how the 'Treatment Control BMP Requirements' will be met for all applicable drainage sub-areas not listed in Table 4 of Section V.1.A above; these drainage subareas should also be described in the field located below Table 4 titled, "Justification of infeasibility for sub-areas not addressed with LID/Site Design BMPs."

Instructions for filling the columns within Table 5 are the same as for Table 4. In the final row of Table 5, add up the total area of the project (including existing site area, if the project proposes to replace 50% or more of the impervious surfaces on an existing developed site) that has provided treatment for each of the project's Pollutants of Concern while meeting the volumetric and/or flow-based design criteria using Treatment Control BMPs. **This number will be entered into Column 2 of Table 6 below, to calculate the project's achievement towards the measurable goal.**

Calculations and other supporting documentation demonstrating that these BMPs meet the 'Treatment Control BMP Requirements' for their tributary area must be included in Appendix F.

| **(1)** | **(2)** | **(3)** | **(4)** | **(5)** | **(6)** | **(7)** |
| --- | --- | --- | --- | --- | --- | --- |
| **Drainage Sub-areaID or No.** | **Treatment Control BMP Type\*** | **Potential pollutants of concern within drainage sub-area** | **potential Pollutants within sub-area causing receiving water impairments** | **Effectiveness of treatment control BMP at addressing identified potential pollutants** | **BMP Meets which Design Criteria?** | **total area within drainage sub-Area** |
|  | (See Table 2) | (Refer to Table 1) | (Refer to Table 1) | (U, L, M, H/M, H; see Table 2) | (Identify as VBMP OR QBMP) | (Nearest 0.1 acre) |
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|  | **Total project area treated with Treatment Control BMPs (nearest 0.1 acre)** |  |

### V.1.C Measurable Goal Summary

This section documents the extent to which this project has met the measurable goal described in WQMP Section 3.5.1.1 of addressing 100% of the project's 'Treatment Control BMP requirement' with LID/Site Design BMPs. Projects required to retain Urban Runoff onsite in conformance with local ordinance are considered to have met the measurable goal; for these instances, '100%' is entered into Column 3 of the Table.

Instructions:

Column (1) Enter the total project area number from the last row of **Table 4**

Column (2) Enter the total project area number from the last row of **Table 5**

Column (3) Calculate the % of the Treatment Control BMP Requirement that was addressed using LID/Site Design BMPs for the project using the following formula: 

Table 6: Measurable Goal Summary

|  |  |  |
| --- | --- | --- |
| **(1)** | **(2)** | **(3)** |
| **Total Area Treated with LID/Site Design BMPs** | **Total Area Treated with Treatment Control BMPs** | **% of Treatment Control BMP Requirement addressed with LID/Site Design BMPs** |
| **(Last row of Table 4)** | **(Last row of Table 5)** |
|  |  |  |

## V.2 Source Control BMPs

This section identifies and describes the Source Control BMPs applicable and implemented on this project.

Instructions:

All applicable Source Control BMPs must be implemented on each project. Identify which BMPs are included, and where a particular BMP is not applicable, briefly state the reason in the last column for that BMP.

In the field below Table 7, provide a narrative describing how each included Source Control BMP will be implemented. The implementation frequency, inspection and maintenance frequency, inspection criteria, and the entity or party responsible for implementation, maintenance, and/or inspection shall be identified in Section VI herein. The location of each Structural Source Control BMP must also be shown on the Project Specific WQMP Site Plan included in Appendix B.

Table 7. Source Control BMPs

|  |  |  |
| --- | --- | --- |
| **BMP Name** | **Check One** | **If not applicable, state brief reason** |
| **Included** | **Not Applicable** |
| **Non-Structural Source Control BMPs** |  |  |  |
| Education for Property Owners, Operators, Tenants, Occupants, or Employees | [ ]  | [ ]  |       |
| Activity Restrictions | [ ]  | [ ]  |       |
| Irrigation System and Landscape Maintenance | [ ]  | [ ]  |       |
| Common Area Litter Control | [ ]  | [ ]  |       |
| Street Sweeping Private Streets and Parking Lots | [ ]  | [ ]  |       |
| Drainage Facility Inspection and Maintenance | [ ]  | [ ]  |       |
| **Structural Source Control BMPs** |  |  |  |
| Storm Drain Inlet Stenciling and Signage | [ ]  | [ ]  |       |
| Landscape and Irrigation System Design | [ ]  | [ ]  |       |
| Protect Slopes and Channels | [ ]  | [ ]  |       |
| Provide Community Car Wash Racks | [ ]  | [ ]  |       |
| **Properly Design\*:** |
|  Fueling Areas | [ ]  | [ ]  |       |
|  Air/Water Supply Area Drainage | [ ]  | [ ]  |       |
|  Trash Storage Areas | [ ]  | [ ]  |       |
|  Loading Docks  | [ ]  | [ ]  |       |
|  Maintenance Bays | [ ]  | [ ]  |       |
|  Vehicle and Equipment Wash Areas | [ ]  | [ ]  |       |
|  Outdoor Material Storage Areas | [ ]  | [ ]  |       |
|  Outdoor Work Areas or Processing Areas | [ ]  | [ ]  |       |
| Provide Wash Water Controls for Food Preparation Areas | [ ]  | [ ]  |       |

\*Details demonstrating proper design must be included in Appendix F.

**Provide a narrative describing how each included Source Control BMP will be implemented.**

Appendix D includes copies of the educational materials (described in Section 3.5.2.1 of the WQMP Guidance document) that will be used in implementing this project-specific WQMP.

## V.3 Equivalent Treatment Control BMP Alternatives

Instructions:

Where off-site LID/Site Design and/or Treatment Control BMPs are determined to be more feasible or practicable, equivalent treatment may be provided off site when approved by the local land use authority. **Off-site BMPs must meet the criteria described in WQMP Guidance document Section 3.5.3.** Project area which has been treated off site can count towards the LID/Site Design measurable goal if the selected BMP: 1) promotes retention and/or features a natural treatment mechanism, 2) addresses the project's potential Pollutants of Concern and 3) has high or medium effectiveness at addressing Pollutants of Concern causing impairment in Receiving Waters.

Utilized off-site BMPs must be included in Tables 4 and/or 5 above. Design details, calculations and other supporting documentation demonstrating that these BMPs address the 'Treatment Control BMP Requirements', and where applicable, the Hydrologic Conditions of Concern for their tributary area must be included in Appendix F.

Insert text describing utilized off-site LID/Site Design and/or Treatment Control BMPs, or state "Not applicable." Note: The project-specific WQMP preparer should refer to Section 3.5.3 of the Whitewater River Region WQMP Guidance document

## V.4 Regionally-Based BMPs

Instructions:

Where regionally-based LID/Site Design and/or Treatment Control BMPs are determined to be more feasible or practicable, equivalent treatment may be provided on a regional scale, when approved by the local land use authority. **Regionally-based BMPs must meet the criteria described in WQMP Guidance document Section 4.0.** Project area which has been treated via regionally-based BMP can count towards the LID/Site Design measurable goal if the selected BMP: 1) promotes retention and/or features a natural treatment mechanism, 2) addresses the project's potential Pollutants of Concern, and 3) has high or medium effectiveness at addressing Pollutants of Concern causing impairment in Receiving Waters.

Utilized regionally-based BMPs must be included in Tables 4 and/or 5. Where applicable, design details, calculations and other supporting documentation demonstrating that these BMPs address the 'Treatment Control BMP Requirements', and where applicable, the Hydrologic Conditions of Concern for their tributary area must be included in Appendix F.

Insert text describing utilized regionally-based LID/Site Design and/or Treatment Control BMPs, or state "Not applicable." Note: The project-specific WQMP preparer should refer to Section 4.0 of the Whitewater River Region WQMP Guidance document.

# Operation and Maintenance Responsibility for BMPs

Instructions:

Operation and maintenance (O&M) requirements for structural Site Design BMP concepts, Source Control, LID/Site Design, and Treatment Control BMPs shall be identified in the project-specific WQMP. The project-specific WQMP shall address the following:

* Identification of each BMP that requires O&M.
* Thorough description of O&M activities, the O&M process, and the handling and placement of any wastes.
* BMP start-up dates.
* Schedule of the frequency of O&M for each BMP.
* Identification of the parties (name, address, and telephone number) responsible for O&M, including a written agreement with the entities responsible for O&M. This agreement can take the form of a Covenant and Agreement recorded by the project proponent with the County Recorder, HOA or POA, CC&Rs, BMP maintenance agreement, formation of a maintenance district or assessment district or other instrument sufficient to guarantee perpetual O&M. The preparer of this project-specific WQMP should carefully review Section 3.6 of the WQMP prior to completing this section of the project-specific WQMP.
* Self-inspections and record-keeping requirements for BMPs (review local specific requirements regarding self-inspections and/or annual reporting), including identification of responsible parties for inspection and record- keeping.
* Thorough descriptions of water quality monitoring, if required by the local land use authority.

Identify below all operations and maintenance requirements, as described above, for each structural BMP. Where a public agency is identified as the funding source and responsible party for a BMP, a copy of the written agreement stating the public agency's acceptance of these responsibilities must be provided in Appendix G.

Appendix G of this project-specific WQMP includes copies of CC&Rs, Covenant and Agreements, BMP Maintenance Agreement and/or other mechanisms used to ensure the ongoing operation, maintenance, funding, transfer and implementation of the project-specific WQMP requirements.

Insert text as instructed above.

# Funding

Instructions:

A funding source or sources for the O&M of each LID/Site Design and/or Treatment Control BMP identified in the project-specific WQMP must be identified. By certifying the project-specific WQMP, the project applicant is certifying that the funding responsibilities have been addressed and will be transferred to future owners. One example of how to adhere to the requirement to transfer O&M responsibilities is to record the project-specific WQMP against the title to the property.

Insert text identifying the funding source or sources for the operation and maintenance of each LID/Site Design and/or Treatment Control BMP included in the project.

Appendix A

Conditions of Approval

Planning Commission Resolution

Dated

Appendix B

Vicinity Map, WQMP Site Plan, and Receiving Waters Map

Appendix C

Supporting Detail Related to Hydrologic Conditions of Concern

Appendix D

Educational Materials

Appendix E

Soils Report

Appendix F

Structural BMP and/or Retention Facility Sizing Calculations
and Design Details

Appendix G

Agreements – CC&Rs, Covenant and Agreements, BMP Maintenance Agreements and/or Other Mechanisms for ensuring ongoing Operation, Maintenance, Funding and Transfer of Requirements for this project-specific WQMP

Appendix H

Phase 1 Environmental Site Assessment – Summary of Site Remediation Conducted and Use Restrictions

Appendix I

Project-Specific WQMP Summary Data Form

**Project-Specific WQMP Summary Data Form**

|  |
| --- |
| **Applicant Information** |
| **Name and Title** |  |
| **Company** |  |
| **Phone** |  |
| **Email** |  |
| **Project Information** |
| **Project Name**(as shown on project application/project-specific WQMP) |  |
| **Street Address** |  |
| **Nearest Cross Streets** |  |
| **Municipality**(City or Unincorporated County) |  |
| **Zip Code** |  |
| **Tract Number(s) and/or Assessor Parcel Number(s)** |  |
| **Other**(other information to help identify location of project) |  |
| **Indicate type of project.** | **Priority Development Projects (Use an "X" in cell preceding project type):** |
|  | SF hillside residence; impervious area ≥ 10,000 sq. ft.; Slope ≥ 25% |
|  | SF hillside residence; impervious area ≥ 10,000 sq. ft.; Slope ≥ 10% & erosive soils |
|  | Commercial or Industrial ≥ 100,000 sq. ft. |
|  | Automotive repair shop |
|  | Retail Gasoline Outlet disturbing > 5,000 sq. ft.  |
|  | Restaurant disturbing > 5,000 sq. ft. |
|  | Home subdivision ≥ 10 housing units |
|  | Parking lot ≥ 5,000 sq. ft. or ≥ 25 parking spaces |
| **Date Project-Specific WQMP Submitted** |  |
| **Size of Project Area** (nearest 0.1 acre) |  |
| **Will the project replace more than 50% of the impervious surfaces on an existing developed site?** |  |
| **Project Area managed with LID/Site Design BMPs (nearest 0.1 acre)** |  |
| **Are Treatment Control BMPs required?** |  |
| **Is the project subject to onsite retention by ordinance or policy?**  |  |
| **Did the project meet the 100% LID/Site Design Measurable Goal?** |  |
| **Name of the entity that will implement, operate, and maintain the post-construction BMPs** |  |
| **Contact Name** |  |
| **Street or Mailing Address** |  |
| **City** |  |
| **Zip Code** |  |
| **Phone** |  |
| **Space Below for Use by City/County Staff Only** |
| **Preceding Information Verified by** (consistent with information in project-specific WQMP) | **Name:****Date:**  |
| **Date Project-Specific WQMP Approved:** |  |
| **Data Entered by** | **Name:****Date:**  |
| **Other Comments** |  |