



WQ XX-XXXX

**County of Orange/San Diego Region  
Priority Project  
Water Quality Management Plan  
(WQMP)**

**Project Name:**

**Insert Project Name**

**INSERT GRADING PERMIT NO., BUILDING PERMIT NO., OR PLANNING  
APPLICATION NO., PROJECT SITE ADDRESS, TRACT/LOT NUMBER(S), AND  
APN**

**Prepared for:**

**Insert Owner/Developer Name**

**Insert Street Address**

**Insert City, State, ZIP**

**Insert Telephone**

**Prepared by:**

**Insert Preparer Name/Consulting/Engineering Firm Name**

**Insert Street Address**

**Insert City, State, ZIP**

**Insert Telephone and Email address**

**Please place preparer's stamp here**

**Insert Date Prepared/Revised (include all previous dates)**

| Project Owner's Certification  |  |                     |  |
|--|--|---------------------|--|
| Planning Application No.<br>(If applicable)  |  | Grading Permit No.  |  |
| Tract/Parcel Map and Lot(s) No.  |  | Building Permit No. |  |
| Address of Project Site and APN<br>(If no address, specify Tract/Parcel Map and Lot Numbers) |  |                     |  |

This Water Quality Management Plan (WQMP) has been prepared for Owner/Developer Name by Consulting/Engineering Firm Name. The WQMP is intended to comply with the requirements of the County of Orange NPDES Stormwater Program requiring the preparation of the plan.

The undersigned, while it owns the subject property, is responsible for the implementation of the provisions of this plan, including the ongoing operation and maintenance of all best management practices (BMPs), and will ensure that this plan is amended as appropriate to reflect up-to-date conditions on the site consistent with the current Orange County Drainage Area Management Plan (DAMP) and the intent of the non-point source NPDES Permit for Waste Discharge Requirements for the County of Orange, Orange County Flood Control District and the incorporated Cities of Orange County within the San Diego Region. Once the undersigned transfers its interest in the property, its successors-in-interest shall bear the aforementioned responsibility to implement and amend the WQMP. An appropriate number of approved and signed copies of this document shall be available on the subject site in perpetuity.

|   |  |      |  |
|---|--|------|--|
| <b>Owner:</b>   |  |      |  |
| Title   |  |      |  |
| Company   |  |      |  |
| Address   |  |      |  |
| Email   |  |      |  |
| Telephone #   |  |      |  |
| I understand my responsibility to implement the provisions of this WQMP including the ongoing operation and maintenance of the best management practices (BMPs) described herein. |  |      |  |
| Owner Signature   |  | Date |  |

|   |  |                   |  |
|---|--|-------------------|--|
| <b>Preparer (Engineer):</b>   |  |                   |  |
| Title   |  | PE Registration # |  |
| Company   |  |                   |  |
| Address   |  |                   |  |
| Email   |  |                   |  |
| Telephone #   |  |                   |  |
| <p>I hereby certify that this Water Quality Management Plan is in compliance with, and meets the requirements set forth in, Order No. R9-2009-0002/NPDES No. CAS0108740, of the San Diego Regional Water Quality Control Board.</p> |  |                   |  |
| Preparer Signature  |  | Date              |  |
| Place Stamp Here  |  |                   |  |

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## Attachments

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| Attachment A . | ..... | Educational Materials                 |
| Attachment B . | ..... | Hydromodification Control Calculation |
| Attachment C . | ..... | BMP Design Calculation                |
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## Exhibits

|                |       |              |
|----------------|-------|--------------|
| Exhibit A..... | ..... | WQMP Exhibit |
|----------------|-------|--------------|

**Section I Permit(s) and Water Quality Conditions of Approval or Issuance**

Provide discretionary or grading/building permit information and water quality conditions of approval, or permit issuance, applied to the project. If conditions are unknown, please request applicable conditions from staff. Refer to Section 2.1 in the Technical Guidance Document (TGD) available on the OC Planning website ([www.ocplanning.net](http://www.ocplanning.net)).

| Project Information   |  |  |  |
|---|--|--|--|
| Permit/ Application No.<br>(If applicable)  |  | Grading or Building<br>Permit No.<br>(If applicable) |  |
| Address of Project Site (or<br>Tract Map and Lot<br>Number if no address)<br>and APN                          |  |  |  |
|   |  |  |  |
| Water Quality Conditions of Approval or Issuance  |  |  |  |
| Water Quality<br>Conditions of Approval<br>or Issuance applied to<br>this project.<br>(Please list verbatim.) |  |  |  |
|   |  |  |  |
| Conceptual WQMP   |  |  |  |
| Was a Conceptual Water<br>Quality Management Plan<br>previously approved for<br>this project?                 |  |  |  |
|   |  |  |  |

## Section II Project Description

### II.1 Project Description

Provide a detailed project description including:

- Project areas;
- Land uses;
- Land cover;
- Design elements;
- A general description not broken down by drainage management areas (DMAs).

Include attributes relevant to determining applicable source controls. *Refer to Section 2.2 in the Technical Guidance Document (TGD) for information that must be included in the project description.*

| Description of Proposed Project                                    |                                 |                 |                          |            |
|--|---------------------------------|-----------------|--------------------------|------------|
| Development Category<br>(From Model WQMP,<br>Table 7.11-2; or -3): |                                 |                 |                          |            |
| Project Area (ft <sup>2</sup> ): _____                             | Number of Dwelling Units: _____ | SIC Code: _____ |                          |            |
| Project Area   | Pervious                        |                 | Impervious               |            |
|  | Area<br>(acres or sq ft)        | Percentage      | Area<br>(acres or sq ft) | Percentage |
| Pre-Project Conditions   |                                 |                 |                          |            |
| Post-Project Conditions  |                                 |                 |                          |            |
| Drainage<br>Patterns/Connections                                   |                                 |                 |                          |            |

|   |  |
|---|--|
| <p>Narrative Project Description:<br/>(Use as much space as necessary.)</p> |  |
| <p>Priority Project Category</p>  |  |

## II.2 Potential Stormwater Pollutants

Determine and list expected stormwater pollutants based on land uses and site activities. Refer to Section 2.2.2 and Table 2.1 in the Technical Guidance Document (TGD) for guidance.

| Pollutants of Concern          |  |                            |                                     |
|--------------------------------|--|----------------------------|-------------------------------------|
| Pollutant                      | Check One:<br>E=Expected to be<br>of concern<br>N=Not Expected<br>to be of concern |                            | Additional Information and Comments |
|                                | E <input type="checkbox"/>   | N <input type="checkbox"/> |                                     |
| Bacteria and Viruses           | E <input type="checkbox"/>   | N <input type="checkbox"/> |                                     |
| Metals                         | E <input type="checkbox"/>   | N <input type="checkbox"/> |                                     |
| Nutrients                      | E <input type="checkbox"/>   | N <input type="checkbox"/> |                                     |
| Pesticides                     | E <input type="checkbox"/>   | N <input type="checkbox"/> |                                     |
| Organic Compounds              | E <input type="checkbox"/>   | N <input type="checkbox"/> |                                     |
| Sediments                      | E <input type="checkbox"/>   | N <input type="checkbox"/> |                                     |
| Trash and Debris               | E <input type="checkbox"/>   | N <input type="checkbox"/> |                                     |
| Oxygen-Demanding<br>Substances | E <input type="checkbox"/>   | N <input type="checkbox"/> |                                     |
| Oil and Grease                 | E <input type="checkbox"/>   | N <input type="checkbox"/> |                                     |



### II.3 Hydrologic Conditions of Concern

Determine if streams located downstream from the project area are potentially susceptible to hydromodification impacts. *Refer to Section 2.2.3.2 in the Technical Guidance Document (TGD) and Appendix C of the Model WQMP for reference to applicable technical guidance for determining if downstream channels are susceptible to HCOCs.*

No - Show map

Yes - Describe applicable hydrologic conditions of concern below. *Refer to Section 2.2.3 in the Technical Guidance Document (TGD).*

#### **II.4 Post Development Drainage Characteristics**

Describe post development drainage characteristics. *Refer to Section 2.2.4 in the Technical Guidance Document (TGD).*

#### **II.5 Property Ownership/Management**

Describe property ownership/management. *Refer to Section 2.2.5 in the Technical Guidance Document (TGD).*

## Section III Site Description

### III.1 Physical Setting

Fill out table with relevant information. *Refer to Section 2.3.1 in the Technical Guidance Document (TGD).*

|   |  |
|---|--|
| Name of Planned Community/Planning Area (if applicable) |  |
| Location/ Address                                       |  |
|   |  |
| General Plan Land Use Designation                       |  |
| Zoning  |  |
| Acreage of Project Site                                 |  |
| Predominant Soil Type                                   |  |

### III.2 Site Characteristics

Fill out table with relevant information and include information as it relates to BMP sizing, suitability, and feasibility, as applicable. *Refer to Section 2.3.2 in the TGD.* Include additional narrative, as applicable, to summarize findings of site investigations. Include references to applicable studies/reports related to investigation of the site and evaluation of feasibility of LID BMPs.

| Site Characteristics |  |
|----------------------|--|
| Precipitation Zone   |  |
| Topography           |  |

|  |  |
|--|--|
| Drainage Patterns/Connections                      |  |
| Soil Type, Geology, and Infiltration Properties    |  |
| Hydrogeologic (Groundwater) Conditions             |  |
| Geotechnical Conditions (relevant to infiltration) |  |
| Off-Site Drainage                                  |  |
| Utility and Infrastructure Information             |  |

### III.3 Watershed Description

Fill out table with relevant information and include information regarding BMP sizing, suitability, and feasibility, as applicable. *Refer to Section 2.3.3 in the Technical Guidance Document (TGD).*

|  |  |
|--|--|
| Receiving Waters   |  |
| 303(d) Listed Impairments  |  |
| Applicable TMDLs   |  |
| Pollutants of Concern for the Project                              |  |
| Environmentally Sensitive and Special Biological Significant Areas |  |

## Section IV Best Management Practices (BMPs)

### IV. 1 Project Performance Criteria

Describe project performance criteria. Several steps must be followed in order to determine what performance criteria will apply to a project. These steps include:

- Determine applicable hydromodification control performance criteria. *Refer to Section 7.II-2.4.2.2 and Appendix C of the Model WQMP.*
- Determine applicable LID performance criteria. *Refer to Section 7.II-2.4.3 of the Model WQMP.*
- Calculate the LID design storm capture volume (DCV) for the project. *Refer to Section 7.II-2.4.3 of the Model WQMP.*

| <b>Project Performance Criteria</b>  |  |
|--|--|
| If HCOC exists, list applicable hydromodification control performance criteria (Section 7.II-2.4.2.2 in MWQMP) |  |
| List applicable LID performance criteria (Section 7.II-2.4.3 from MWQMP)                                       |  |
| Calculate LID design storm capture volume for Project.   |  |

## IV.2. Site Design and Drainage

Describe site design and drainage including

- A narrative of site design practices utilized or rationale for not using practices;
- A narrative of how site is designed to allow BMPs to be incorporated to the MEP
- A table of DMA characteristics and list of LID BMPs proposed in each DMA.
- Reference to the WQMP “BMP Exhibit.”
- Calculation of Design Capture Volume (DCV) for each drainage area.
- A listing of GIS coordinates for LID and Treatment Control BMPs (if applicable).

*Refer to Section 2.4.2 in the Technical Guidance Document (TGD).*



### IV.3 LID BMP Selection and Project Conformance Analysis

Each sub-section below documents that the proposed design features conform to the applicable project performance criteria via check boxes, tables, calculations, narratives, and/or references to worksheets. Refer to Section 2.4.2.3 in the Technical Guidance Document (TGD) for selecting LID BMPs and Section 2.4.3 in the Technical Guidance Document (TGD) for conducting conformance analysis with project performance criteria. Refer to Appendix C of the Model WQMP for hydromodification criteria and analysis methods.

#### IV.3.1 Hydrologic Source Controls (HSCs)

If required HSCs are included, fill out applicable check box forms. If the retention criteria are otherwise met with other LID BMPs, include a statement indicating HSCs not required.

| Name   | Included                 |
|--|--------------------------|
| Localized on-lot infiltration                                  | <input type="checkbox"/> |
| Impervious area dispersion (e.g. roof top disconnection)       | <input type="checkbox"/> |
| Street trees (canopy interception)                             | <input type="checkbox"/> |
| Residential rain barrels (not actively managed)                | <input type="checkbox"/> |
| Green roofs/Brown roofs  | <input type="checkbox"/> |
| Blue roofs   | <input type="checkbox"/> |
| Impervious area reduction (e.g. permeable pavers, site design) | <input type="checkbox"/> |
| Other:   | <input type="checkbox"/> |
| Other:   | <input type="checkbox"/> |
| Other:   | <input type="checkbox"/> |
| Other:   | <input type="checkbox"/> |
| Other:   | <input type="checkbox"/> |
| Other:   | <input type="checkbox"/> |
| Other:   | <input type="checkbox"/> |
| Other:   | <input type="checkbox"/> |

### IV.3.2 Infiltration BMPs

Identify infiltration BMPs to be used in project. Include sections for selection, suitability, sizing, and infeasibility, as applicable.

| Name                              | Included                 |
|-----------------------------------|--------------------------|
| Bioretention without underdrains  | <input type="checkbox"/> |
| Rain gardens                      | <input type="checkbox"/> |
| Porous landscaping                | <input type="checkbox"/> |
| Infiltration planters             | <input type="checkbox"/> |
| Retention swales                  | <input type="checkbox"/> |
| Infiltration trenches             | <input type="checkbox"/> |
| Infiltration basins               | <input type="checkbox"/> |
| Drywells                          | <input type="checkbox"/> |
| Subsurface infiltration galleries | <input type="checkbox"/> |
| French drains                     | <input type="checkbox"/> |
| Permeable asphalt                 | <input type="checkbox"/> |
| Permeable concrete                | <input type="checkbox"/> |
| Permeable concrete pavers         | <input type="checkbox"/> |
| Other:                            | <input type="checkbox"/> |
| Other:                            | <input type="checkbox"/> |

Show calculations below to demonstrate if the LID Design Storm Capture Volume can be met with infiltration BMPs. If not, document how much can be met with infiltration and document why it is not feasible to meet the full volume with infiltration BMPs.

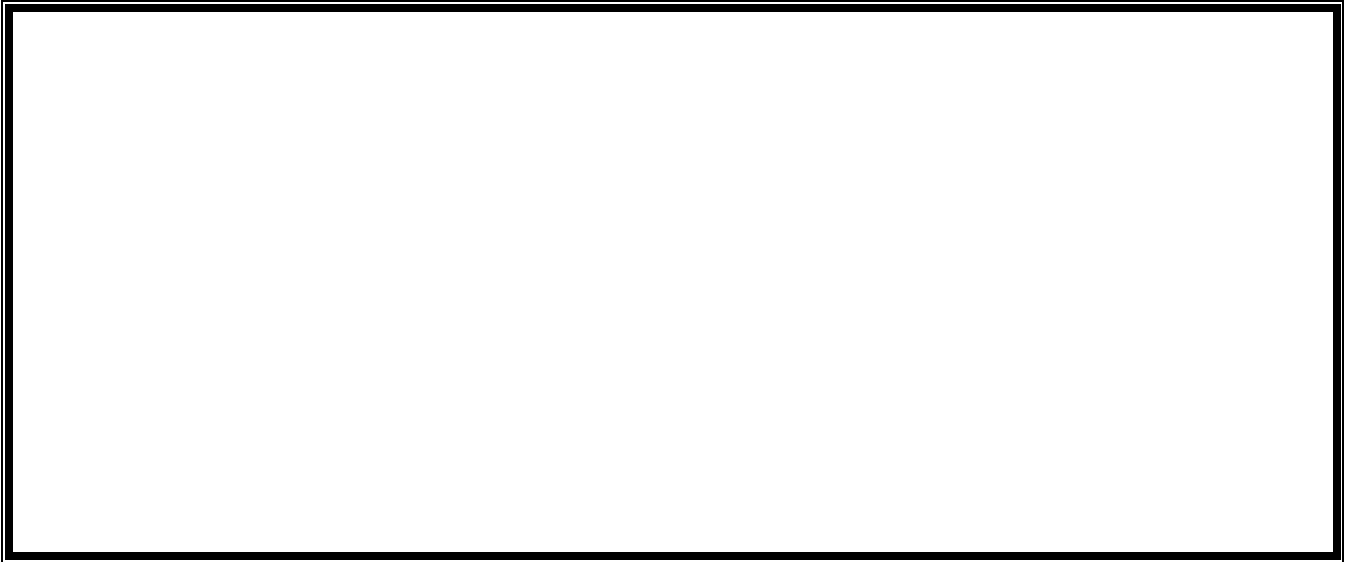


### IV.3.3 Evapotranspiration, Rainwater Harvesting BMPs

If the full Design Storm Capture Volume cannot be met with infiltration BMPs, describe any evapotranspiration and/or rainwater harvesting BMPs. Include sections for selection, suitability, sizing, and infeasibility, as applicable.

| Name                                | Included                 |
|-------------------------------------|--------------------------|
| All HSCs; <i>See Section IV.3.1</i> | <input type="checkbox"/> |
| Surface-based infiltration BMPs     | <input type="checkbox"/> |
| Biotreatment BMPs                   | <input type="checkbox"/> |
| Above-ground cisterns and basins    | <input type="checkbox"/> |
| Underground detention               | <input type="checkbox"/> |
| Other:                              | <input type="checkbox"/> |
| Other:                              | <input type="checkbox"/> |
| Other:                              | <input type="checkbox"/> |

Show calculations and provide narrative below to demonstrate if the LID DCV can be met with evapotranspiration, rainwater harvesting BMPs in combination with infiltration BMPs. If not document how much can be met with either infiltration BMPs, evapotranspiration, rainwater harvesting BMPs, or a combination, and document why it is not feasible to meet the full volume with either of these BMPs categories. Included reference to applicable findings from site assessment activities, including references to studies prepared to substantiate findings of feasibility or infeasibility, as applicable.



### IV.3.4 Biofiltration BMPs

If the full DCV cannot be met with infiltration BMPs, and/or evapotranspiration and rainwater harvesting BMPs, describe the biofiltration BMPs use to address the remainder of the DCV. Include sections for selection, suitability, sizing, and infeasibility, as applicable.

| Name                                       | Included                 |
|--|--------------------------|
| Bioretention with underdrains              | <input type="checkbox"/> |
| Stormwater planter boxes with underdrains  | <input type="checkbox"/> |
| Rain gardens with underdrains              | <input type="checkbox"/> |
| Proprietary vegetated biotreatment systems | <input type="checkbox"/> |
| Other:                                     | <input type="checkbox"/> |
| Other:                                     | <input type="checkbox"/> |

Show calculations below to demonstrate if the LID Design Storm Capture Volume can be met with a combination of infiltration, evapotranspiration, rainwater harvesting and/or biotreatment BMPs. Show calculations to demonstrate that the “pre-filter detention volume plus pore volume” in biofiltration BMPs is at least 0.75 of the remaining DCV (after accounting for retention achieved before using biofiltration BMPs). If it is not feasible to meet the DCV with a combination of either infiltration BMPs, evapotranspiration, rainwater harvesting BMPs, document why it is not feasible to meet the full volume with either of these BMPs categories and document how much can be feasibly retained plus biofiltered.

**IV.3.5 Hydromodification Control BMPs**

Describe hydromodification control BMPs. Include sections for selection, suitability, sizing, and infeasibility, as applicable. Detail compliance with Prior Conditions of Approval (if applicable).

*See Appendix C – HCOC Guidance Memorandum of the South Orange County Model WQMP (12/20/2013) and Section 5 of the Technical Guidance Document (TGD) for details.* The sizing tool for hydromodification utilizes SOCHM to confirm the mitigation on peak and flow duration of 10% Q2 to Q10, with continuous modeling, per TGD. The proposed BMP shall meet the HMP requirements of the San Diego Water Quality Control Board. Download “South Orange County Hydromodification Requirements (effective October 25, 2012)” and the SOCHM computer program from [www.ocplanning.net/water](http://www.ocplanning.net/water) .

| Hydromodification Control BMPs |                 |
|--------------------------------|-----------------|
| BMP Name                       | BMP Description |
|                                |                 |
|                                |                 |
|                                |                 |
|                                |                 |
|                                |                 |
|                                |                 |
|                                |                 |
|                                |                 |
|                                |                 |
|                                |                 |

Attach the sketches of engineering sections / details of the proposed Hydromodification BMPs for references.

### IV.3.6 Non-structural Source Control BMPs

Fill out non-structural source control check box forms or provide a brief narrative explaining if non-structural source controls were not used.

| <b>Non-Structural Source Control BMPs</b> |   |                          |                          |                                       |
|---|---|--------------------------|--------------------------|---------------------------------------|
| Identifier                                | Name  | Check One                |                          | If not applicable, state brief reason |
|   |   | Included                 | Not Applicable           |                                       |
| N1  | Education for Property Owners, Tenants and Occupants  | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| N2  | Activity Restrictions                                 | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| N3  | Common Area Landscape Management                      | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| N4  | BMP Maintenance                                       | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| N5  | Title 22 CCR Compliance (How development will comply) | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| N6  | Local Industrial Permit Compliance                    | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| N7  | Spill Contingency Plan                                | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| N8  | Underground Storage Tank Compliance                   | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| N9  | Hazardous Materials Disclosure Compliance             | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| N10                                       | Uniform Fire Code Implementation                      | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| N11                                       | Common Area Litter Control                            | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| N12                                       | Employee Training                                     | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| N13                                       | Housekeeping of Loading Docks                         | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| N14                                       | Common Area Catch Basin Inspection                    | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| N15                                       | Street Sweeping Private Streets and Parking Lots      | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| N16                                       | Retail Gasoline Outlets                               | <input type="checkbox"/> | <input type="checkbox"/> |                                       |

### IV.3.7 Structural Source Control BMPs

Fill out structural source control check box forms or provide a brief narrative explaining if structural source controls were not used.

| <b>Structural Source Control BMPs</b> |  |                          |                          |                                       |
|---------------------------------------|--|--------------------------|--------------------------|---------------------------------------|
| Identifier                            | Name   | Check One                |                          | If not applicable, state brief reason |
|                                       |  | Included                 | Not Applicable           |                                       |
| S1                                    | Provide storm drain system stenciling and signage  | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| S2                                    | Design and construct outdoor material storage areas to reduce pollution introduction                           | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| S3                                    | Design and construct trash and waste storage areas to reduce pollution introduction                            | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| S4                                    | Use efficient irrigation systems & landscape design, water conservation, smart controllers, and source control | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| S5                                    | Protect slopes and channels and provide energy dissipation   | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
|                                       | Incorporate requirements applicable to individual priority project categories (from SDRWQCB NPDES Permit)      | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| S6                                    | Dock areas   | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| S7                                    | Maintenance bays   | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| S8                                    | Vehicle wash areas   | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| S9                                    | Outdoor processing areas   | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| S10                                   | Equipment wash areas   | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| S11                                   | Fueling areas  | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| S12                                   | Hillside landscaping   | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| S13                                   | Wash water control for food preparation areas  | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| S14                                   | Community car wash racks   | <input type="checkbox"/> | <input type="checkbox"/> |                                       |

## IV.4 Alternative Compliance Plan (If Applicable)

### IV.4.1 Request of Waiver of LID BMPs

Provide documentation of feasibility analysis if implementation of LID BMPs is technically infeasible. Refer to Section 7.II-3.1 in the Model WQMP. Calculate the amount of remaining obligation that must be met with alternative compliance (See TGD Appendix VI).

### IV.4.2 Water Quality Credits

Determine if water quality credits are applicable for the project. Refer to Section 7.II-3.2.2 of the SOC Model WQMP for description of credits and Appendix VI of the Technical Guidance Document (TGD) for calculation methods for applying water quality credits.

| Description of Proposed Project  |   |   |  |   |
|--|---|---|--|---|
| Project Types that Qualify for Water Quality Credits (Select all that apply):  |   |   |  |   |
| <input type="checkbox"/> Redevelopment projects that reduce the overall impervious footprint of the project site.  | <input type="checkbox"/> Brownfield redevelopment, meaning redevelopment, expansion, or reuse of real property which may be complicated by the presence or potential presence of hazardous substances, pollutants or contaminants, and which have the potential to contribute to adverse ground or surface WQ if not redeveloped.   | <input type="checkbox"/> Higher density development projects which include two distinct categories (credits can only be taken for one category): those with more than seven units per acre of development (lower credit allowance); vertical density developments, for example, those with a Floor to Area Ratio (FAR) of 2 or those having more than 18 units per acre (greater credit allowance). |  |   |
| <input type="checkbox"/> Mixed use development, such as a combination of residential, commercial, industrial, office, institutional, or other land uses which incorporate design principles that can demonstrate environmental benefits that would not be realized through single use projects (e.g. reduced vehicle trip traffic with the potential to reduce sources of water or air pollution). | <input type="checkbox"/> Transit-oriented developments, such as a mixed use residential or commercial area designed to maximize access to public transportation; similar to above criterion, but where the development center is within one half mile of a mass transit center (e.g. bus, rail, light rail or commuter train station). Such projects would not be able to take credit for both categories, but may have greater credit assigned |   | <input type="checkbox"/> Redevelopment projects in an established historic district, historic preservation area, or similar significant city area including core City Center areas (to be defined through mapping).                            |   |
| <input type="checkbox"/> Developments with dedication of undeveloped portions to parks, preservation areas and other previous uses.  | <input type="checkbox"/> Developments in a city center area.  | <input type="checkbox"/> Developments in historic districts or historic preservation areas.   | <input type="checkbox"/> Live-work developments, a variety of developments designed to support residential and vocational needs together – similar to criteria to mixed use development; would not be able to take credit for both categories. | <input type="checkbox"/> In-fill projects, the conversion of empty lots and other underused spaces into more beneficially used spaces, such as residential or commercial areas. |

|   |  |
|---|--|
| Calculation of Water Quality Credits<br>(if applicable) |  |
|---|--|

#### IV.4.3 Treatment Control BMPs

Treatment control BMPs can only be considered if the project conformance analysis indicates that it is not feasible to retain and/or biofilter the full DCV with LID BMPs. Describe treatment control BMPs used as part of an alternative compliance program, including sections for selection and sizing, as applicable. *Refer to Section 7.II-3.3 in the Model WQMP.*

| Treatment Control BMPs  |                          |                          |                                       |
|---|--------------------------|--------------------------|---------------------------------------|
| Technique   | Included?                |                          | If not applicable, state brief reason |
|   | Yes                      | No                       |                                       |
| Vegetated (Grass) Strips  | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| Vegetated (Grass) Swales  | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| Proprietary Control Measures  | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| Dry Detention Basin   | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| Wet Detention Basin   | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| Constructed Wetland   | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| Detention Basin/Sand Filter   | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| Porous Pavement Detention   | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| Porous Landscape Detention  | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| Infiltration Basin  | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| Infiltration Trench   | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| Media Filter<br>(Please describe and provide brand name and model)              | <input type="checkbox"/> | <input type="checkbox"/> |                                       |
| Proprietary Control Measures (Please describe and provide brand name and model) | <input type="checkbox"/> | <input type="checkbox"/> |                                       |



#### IV.4.4 Regional/Sub-Regional LID BMPs

Describe regional/sub-regional LID BMPs in which the project will participate as part of alternative compliance. Include references to applicable reports or prior approvals of regional/sub-regional BMPs, as applicable, to demonstrate that use of regional/sub-regional BMPs are consistent with Model WQMP requirements. *Refer to Section 7.II-3.5 of the Model WQMP.*

| Regional/Sub-Regional LID BMPs |
|--------------------------------|
|                                |

#### IV.4.5 Other Alternative Compliance Measures

Describe additional alternative compliance measures that will fully or partially meet the remaining LID obligations in association with treatment control BMP use (i.e., off-site mitigation project and/or stormwater mitigation fund). Include calculations to demonstrate how remaining alternative compliance. *Refer to Section 7.II-3.4 in the Model WQMP.*

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## Section V Inspection/Maintenance Responsibility for BMPs

Fill out information in table below. Prepare and attach an Operation and Maintenance Plan. Identify the funding mechanism through which BMPs will be maintained. Inspection and maintenance records must be kept for a minimum of five years for inspection by the regulatory agencies. *Refer to Section 7.II 4.0 in the Model WQMP.*

| BMP Inspection/Maintenance |                      |  |                                 |
|----------------------------|----------------------|--|---------------------------------|
| BMP                        | Responsible Party(s) | Inspection/Maintenance Activities Required | Minimum Frequency of Activities |
|                            |                      |  |                                 |
|                            |                      |  |                                 |
|                            |                      |  |                                 |
|                            |                      |  |                                 |

## Section VI BMP Exhibit (Site Plan)

### VI.1 BMP Exhibit (Site Plan)

Include a BMP Exhibit (Site Plan), at a size no less than 24" by 36," which includes the following minimum information:

- Insert in the title block (lower right hand corner) of BMP Exhibit: the WQMP Number (assigned by staff) and the grading/building or Planning Application permit numbers
- Project location (address, tract/lot number(s), etc.)
- Site boundary
- Land uses and land covers, as applicable
- Suitability/feasibility constraints
- Structural BMP locations
- Drainage delineations and flow information
- Delineate the area being treated by each structural BMP
- GIS coordinates for LID and Treatment Control BMPs
- Drainage connections
- BMP details
- Preparer name and stamp

Please do not include any areas outside of the project area or any information not related to drainage or water quality. The approved BMP Exhibit (Site Plan) shall be submitted as a plan sheet on all grading and building plan sets submitted for plan check review and approval. The BMP Exhibit shall be at the same size as the rest of the plan sheets in the submittal and shall have an approval stamp and signature prior to plan check submittal.

### VI.2 Submittal and Recordation of Water Quality Management Plan

Following approval of the Final Project-Specific WQMP, three copies of the approved WQMP (including BMP Exhibit, Operations and Maintenance (O&M) Plan, and Appendices) shall be submitted. In addition, these documents shall be submitted in a PDF format.

Each approved WQMP (including BMP Exhibit, Operations and Maintenance (O&M) Plan, and Appendices) shall be recorded in the Orange County Clerk-Recorder's Office, prior to close-out of grading and/or building permit. Educational Materials are not required to be included.

## Section VII Educational Materials

Refer to the Orange County Stormwater Program ([ocwatersheds.com](http://ocwatersheds.com)) for a library of materials available. Please only attach the educational materials specifically applicable to this project. Other materials specific to the project may be included as well and must be attached.

| Education Materials   |                          |  |                              |
|---|--------------------------|--|------------------------------|
| Residential Material<br>( <a href="http://www.ocwatersheds.com">http://www.ocwatersheds.com</a> ) | Check If<br>Applicable   | Business Material<br>( <a href="http://www.ocwatersheds.com">http://www.ocwatersheds.com</a> ) | Check If<br>Applicable       |
| The Ocean Begins at Your Front Door   | <input type="checkbox"/> | Tips for the Automotive Industry   | <input type="checkbox"/>     |
| Tips for Car Wash Fund-raisers  | <input type="checkbox"/> | Tips for Using Concrete and Mortar   | <input type="checkbox"/>     |
| Tips for the Home Mechanic  | <input type="checkbox"/> | Tips for the Food Service Industry   | <input type="checkbox"/>     |
| Homeowners Guide for Sustainable Water Use  | <input type="checkbox"/> | Proper Maintenance Practices for Your Business   | <input type="checkbox"/>     |
| Household Tips  | <input type="checkbox"/> | <b>Other Material</b>  | <b>Check If<br/>Attached</b> |
| Proper Disposal of Household Hazardous Waste  | <input type="checkbox"/> |  |                              |
| Recycle at Your Local Used Oil Collection Center (North County)                                   | <input type="checkbox"/> |  | <input type="checkbox"/>     |
| Recycle at Your Local Used Oil Collection Center (Central County)                                 | <input type="checkbox"/> |  | <input type="checkbox"/>     |
| Recycle at Your Local Used Oil Collection Center (South County)                                   | <input type="checkbox"/> |  | <input type="checkbox"/>     |
| Tips for Maintaining a Septic Tank System   | <input type="checkbox"/> |  | <input type="checkbox"/>     |
| Responsible Pest Control  | <input type="checkbox"/> |  | <input type="checkbox"/>     |
| Sewer Spill   | <input type="checkbox"/> |  | <input type="checkbox"/>     |
| Tips for the Home Improvement Projects  | <input type="checkbox"/> |  | <input type="checkbox"/>     |
| Tips for Horse Care   | <input type="checkbox"/> |  | <input type="checkbox"/>     |
| Tips for Landscaping and Gardening  | <input type="checkbox"/> |  | <input type="checkbox"/>     |
| Tips for Pet Care   | <input type="checkbox"/> |  | <input type="checkbox"/>     |
| Tips for Pool Maintenance   | <input type="checkbox"/> |  | <input type="checkbox"/>     |
| Tips for Residential Pool, Landscape and Hardscape Drains   | <input type="checkbox"/> |  | <input type="checkbox"/>     |
| Tips for Projects Using Paint   | <input type="checkbox"/> |  | <input type="checkbox"/>     |