



**Town of Apple Valley
Small Project
Water Quality Management Plan (WQMP)**

For:

Insert Project Name

WHERE APPLICABLE, INSERT GRADING PERMIT NO., BUILDING PERMIT NO., TRACT NUMBER, LAND DEVELOPMENT FILE NO., CUP, SUP AND/OR APN (SPECIFY LOT NUMBERS IF SITE IS A PORTION OF A TRACT)

Prepared for:

Insert Owner/Developer Name

Insert Address

Insert Town, State, ZIP

Insert Telephone

Prepared by:

Insert Consulting/Engineering Firm Name

Insert Address

Insert Town, State, ZIP

Insert Telephone

Submittal Date: Insert Initial Submittal Date

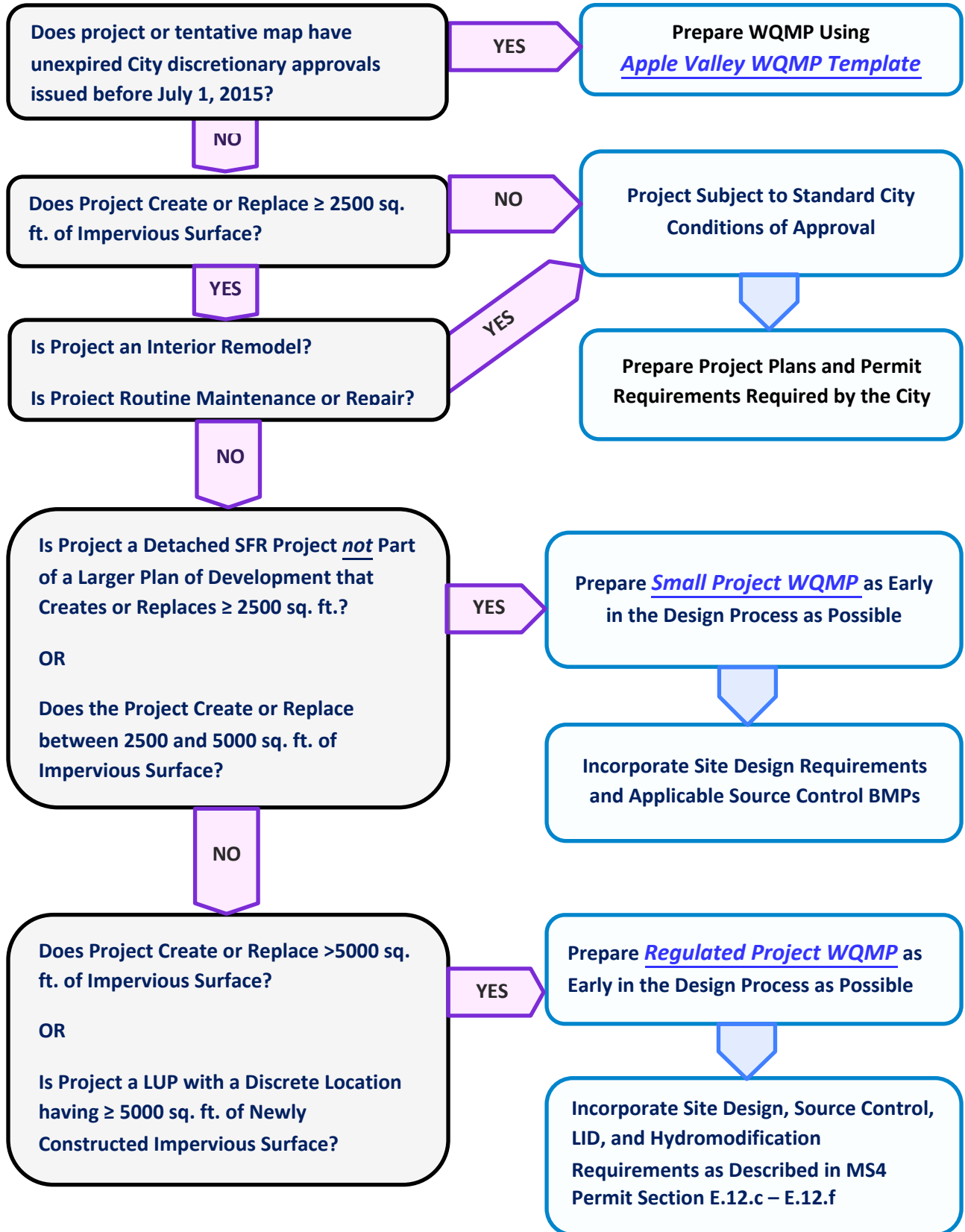
Revision No. and Date: Insert No and Current Revision Date

Revision No. and Date: Insert No and Current Revision Date

Revision No. and Date: Insert No and Current Revision Date

Final Approval Date: _____

Project WQMP Selection Diagram



Introduction

This WQMP template shall be used for projects that create and/or replace between 2500 and 5000 square feet of impervious surface; and for detached single family residence projects that create or replace ≥ 2500 sq. ft., and are *not* part of a larger plan of development consistent with Section E.12.b of the MS4 Permit. These types of projects are considered small projects. Do not confuse this template with the WQMP template or the Phase I WQMP for the Santa Ana Watershed area of San Bernardino County. This WQMP template is specifically for small projects in the Town of Apple Valley.

Section 1 Project Information

Form 1-1 Project Information					
Project Name					
Project Owner Contact Name:					
Mailing Address:		E-mail Address:		Telephone:	
Permit/Application Number(s):		Tract/Parcel Map Number(s):			
Additional Information/ Comments:					
Description of Project:					
Provide summary of Conceptual Project Site Design conditions.					

Section 2 Project Description

2.1 Project Information

Projects must provide all information requested below. The information provided for a Preliminary WQMP should give sufficient detail to identify the major proposed site design measures that impact site planning. The Final Project WQMP must identify all site design measures and source control Best Management Practices (BMPs) incorporated into the final site design, and provide other detailed information as described herein.

This information will document the project's site design measures, source control BMPs, and establish performance criteria and long term maintenance responsibilities for the project.

2.2 Property Ownership/Management

Describe the ownership/management of all portions of the project and site. State whether any infrastructure will transfer ownership to public agencies (Town, County, Caltrans, etc.) after project completion. State if a homeowners or property owners association will be formed and be responsible for the long-term maintenance of project stormwater facilities. Describe any lot-level stormwater features that will be the responsibility of individual property owners.

Form 2.1-1 Description of Proposed Project				
Development Project Type				
<input type="checkbox"/> Small Project (Project Total Square Feet > 2,500 but < 5,000 sq.)				
² Project Area (ft ²):		³ Number of Dwelling Units:		⁴ SIC Code ¹ :
⁵ Is Project going to be phased? Yes <input type="checkbox"/> No <input type="checkbox"/> <i>If yes, ensure that the WQMP evaluates each phase as a distinct DA, requiring LID BMPs to address runoff at time of completion.</i>				

Form 2.2-1 Property Ownership/Management

Describe property ownership/management responsible for long-term maintenance of the site design:

Section 3 Site and Watershed Description

Describe project site conditions relevant to the selection of Site Design Measures through an analysis of the physical conditions and limitations of the site. Identify distinct drainage areas (DA) that collect flow from each portion of the site and describe how runoff from each DA is conveyed to the site outlet(s).

A map presenting the DAs must be included as an appendix to the WQMP. Small sites may have only one DA.

Form 3-1 Site Location and Hydrologic Features			
Site coordinates (<i>take GPS measurements at approximate centroid of site</i>)	Latitude	Longitude	Thomas Bros Map page
1 San Bernardino County climatic region: <input checked="" type="checkbox"/> Desert			
2 Does the site have more than one drainage area (DA): Yes <input type="checkbox"/> No <input type="checkbox"/> <i>Use this form to show a conceptual schematic describing DAs and hydrologic feature connecting DAs to the site outlet(s).</i>			
<pre> graph TD DA1DMAA[DA1 DMA A] --> Outlet[Outlet] DA1DMAB[DA 1 DMA B] --> Outlet DA1DMAC[DA1 DMA C] --> DA1DMAA DA2[DA2] --> Outlet2[Outlet 2] </pre>			
Example only – modify for project specific WQMP using additional form			
Conveyance	Briefly describe on-site drainage features to convey runoff that is not retained within a DA		
	<i>Ex. Roof runoff to rock-lined swale with 4' bottom width, 5:1 side slopes and bed slope of 0.01. Conveys runoff for 400' through DA 1 to existing catch basin on SE corner of property</i>		
DA1 flows to Outlet 1			
DA2 flows to Outlet 2			

Section 4 Best Management Practices (BMP)

4.1 Minimum Site Design Measures and Source Control BMPs

The information and data in this section are required for Non-Regulated Project WQMPs.

4.1.1 Site Design Measures

Site design measures are project design methods that help reduce runoff generation and transport of pollutants offsite.

Projects must evaluate site conditions such as soil type(s), existing vegetation, and flow paths, which will influence the overall site design.

Describe site design and drainage plan including:

- A narrative of site design practices utilized or rationale for not using practices
- A narrative of how site plan incorporates preventive site design practices
- Include an attached Site Plan layout which shows how preventative site design practices are included in the WQMP

MS4 Permit Section E.12: Site Design Measures

Projects shall implement one or more of the following site design measures to reduce project site runoff:

Choose to Implement one or more of the following (checkbox (s)):

- Stream Setbacks and Buffers - a vegetated area including trees, shrubs, and herbaceous vegetation, that exists or is established to protect a stream system, lake, reservoir, or coastal estuarine area;
- Soil Quality Improvement and Maintenance - improvement and maintenance soil through soil amendments and creation of microbial community;
- Tree Planting and Preservation - planting and preservation of healthy, established trees that include both evergreens and deciduous, as applicable;
- Rooftop and Impervious Area Disconnection - rerouting of drainage pipes from rooftops and impervious areas to drain stormwater to permeable areas instead of the storm sewer; **required for all projects**
- Porous Pavement - pavement that allows runoff to pass through it, thereby reducing the runoff from a site and surrounding areas and filtering pollutants;
- Green Roofs - a vegetative layer grown on a roof (rooftop garden); **not recommended**
- Arid, Region Rock-lined Swale – an open-channel management practice designed specifically to treat and attenuate storm water runoff;
- Rain Barrels and Cisterns - system that collects and stores storm water runoff from a roof or other impervious surface; **not recommended**