Exhibit E

Project Specific SMR WQMP Review Checklist

Water Quality Management Plan Review Checklist

The purpose of this checklist is to provide a format for uniform, comprehensive, and well-documented reviews of the Water Quality Management Plans (WQMPs) submitted by project applicants. The completed checklist should be transmitted to the project applicant with the project WQMP. A copy of the completed checklist should be retained with the project planning/permitting file.

Planning Project/Design Review Number: _____

Project Name: _____

Project Address: _____

_____

First Review

WQMP Received on: _____

Review Completed on: _____

Second Review

WQMP Received on: _____

Review Completed on: _____

Third Review

WQMP Received on: _____

Review Completed on: _____

Signature of Reviewer: _____ Date: _____

WQMP REQUIREMENT	Requirement Satisfied?		
	Yes	No	N/A
Title Page			
The Title Page includes the following:			
Project Title			
Development No. (Tract, Parcel, or Use number)			
Design Review/Case number			
Prepared for: (Owner/Developer name and contact information)			
Prepared by: (Consulting/Engineering firm that prepared WQMP with contact person, title and information)			
Date WQMP was prepared and appropriate revision date(s)			
Preliminary or Final box checked			
Owner's Certification			
Includes a fully completed and signed certification statement, in which the project owner acknowledges and accepts the provisions of the WQMP, follows the title page. *Note: Original signature and notarization certification for the project owner will be required for each approval document(s).*			
Includes a fully completed and signed certification statement following the title page in which the preparer acknowledges that the "WQMP meets the requirements of Regional Water Quality Control Board Order No. R9-2013-0001 as amended by R9-2015-0001 and R9-2015-0100"			
Table of Contents			
Includes a fully completed Table of Contents, list of figures, and appendices, as applicable.			
SECTION A: PROJECT AND SITE INSPECTION			
Includes an accurate description of project information, project location, project characteristics, and existing site characteristics.			
Section A.1: Maps and Site Plans			
Includes a WQMP site plan • Refer to Appendix 1 for specific WQMP site plan information to be provided.			
Section A.2: Identify Receiving Waters			
Includes fully completed Table A.1: Identification of Receiving Waters - All receiving waters that the project site is tributary to, are listed in order of upstream to downstream.			
Section A.3: Drainage System Susceptibility to Hydromodification			
Includes fully completed Table A.3: Identification of Susceptibility to Hydromodification			
Section A.4: Additional Permits/Approvals required for the Project:			
Includes fully completed Table A.2: Other Applicable Permits - Identifies additional permits/approvals required for the project: • State Department of Fish and Wildlife, 1602 Streambed Alteration Agreement. • State Water Resources Control Board, Clean Water Act (CWA) section 401 Water Quality Certification. • US Army Corps of Engineers, CWA section 404 permit. • US Fish and Wildlife, Endangered Species Act section 7 biological opinion. • Statewide Construction General Permit Coverage. • Statewide Industrial General Permit Coverage. • Western Riverside MSHCP Consistency Approval (e.g. JPR, DBESP). • Other.			

WQMP REQUIREMENT	Requirement Satisfied?		
	Yes	No	N/A
SECTION B: OPTIMIZE SITE UTILIZATION (LID PRINCIPLES)			
Includes fully completed Project-Specific WQMP Site Design BMP Checklist.			
SECTION C: DELINEATE DRAINAGE MANAGEMENT AREAS (DMA'S)			
Includes fully completed Table C.1: DMA Identification			
Indicates if the DMAs meet the Type 'A' Self-Treating Area criteria and Includes fully completed Table C.2: Type 'A', Self-Treating Areas.			
Indicates if the DMAs meet the Type 'B' Self-Retaining Area criteria and includes fully completed Table C.3: Type 'B', Self-Retaining Areas.			
Indicates if the DMAs meet the Type 'C' Areas that Drain to Self-Retaining Areas criteria and includes fully completed Table C.4: Type 'C', Areas that Drain to Self-Retaining Areas			
Includes fully completed Table C.5: Type 'D', Areas Draining to BMPs. • Where possible, site drainage should be designed so that only impervious roofs and pavement drain to LID BMPs. This yields a simpler, more efficient design and minimizes the potential for clogging by sediment.			
SECTION D: IMPLEMENT LID BMPS			
Section D.1: Full Infiltration Applicability			
Indicates if site design LID principles fully retain the DCV. • If Yes, Infiltration BMPs shall not be used for the site • If No, a project site-specific evaluation of the feasibility of Infiltration BMPs shall be performed and is included with the WQMP'.			
Includes fully completed Table D.1: Infiltration Feasibility, listing any affected DMAs.			
Includes fully completed Table D.2: Geotechnical Concerns for Onsite Infiltration			
Section D.2: Biofiltration Applicability			
Includes fully completed Table D.3: Evaluation of Biofiltration BMP Feasibility. • If Partial/Incidental Infiltration is not allowable, a basis for infeasibility is provided in the table and supported by material in Appendix 5.			
If proprietary Biofiltration BMPs are proposed, includes fully completed Table D.4: Proprietary BMP Approval Requirement Summary. • All proposed Proprietary Biofiltration BMPs satisfy each of the approval criteria listed in the table.			
Section D.3: Feasibility Assessment Summaries			
Includes fully completed Table D.5: LID Prioritization Summary Matrix. • If 'No LID (Alternative Compliance)' box is checked for any DMA, applicant is proposing use of Alternative Compliance and must complete Section F of the Template and should consult with the Copermittee.			
Section D.4: LID BMP Sizing			
Includes fully completed Table D.6: DCV Calculations for LID BMPs.			
Includes fully completed Table D.7: LID BMP Sizing. • Proposed BMP sizes (volumes) equal or exceed the Design Capture Volume for each DMA.			
SECTION E: IMPLEMENT HYDROLOGIC CONTROL BMPs AND SEDIMENT SUPPLY BMPs			
Indicates if project is exempt from Hydromodification Performance Standards.			
If project is not exempt, indicates that Hydrologic and Sediment Supply BMPs will be implemented Onsite. Offsite-alternative compliance is available for hydrologic control performance standard but no alternative compliance allowed for the sediment supply performance standard.			
Section E.1: Hydrologic Control BMP Selection			

WQMP REQUIREMENT	Requirement Satisfied?		
	Yes	No	N/A
Identifies each hydrologic control BMP types that are applied to meet performance standard on the site. • LID principles. • Structural LID BMPs that may be modified or enlarged, if necessary, beyond the DCV. • Structural Hydrologic Control BMPs that are distinct from the LID BMPs.			
Section: E.2 Hydrologic Control BMP Sizing			
Includes fully completed Table E.1: Hydrologic Control BMP Sizing.			
Section E.3: Implement Sediment Supply BMPs			
Indicates if there are mapped Potential Critical Coarse Sediment Yield Areas or Potential Sediment Source Areas on, or draining through the site. Includes Exhibit G indicating project location in Appendix 7. • If there are no mapped areas, the Sediment Supply Performance Standard is met. • If there are mapped areas, applicant must complete section E.3.1 or E.3.2.			
For mapped Potential Critical Coarse Sediment Yield Areas and Potential Sediment Source Areas, applicable compliance pathway is selected, and appropriate sections are completed.			
Section E.3.1: Option 1: Avoid Critical Coarse Sediment Yield Areas			
If applicable, narrative included describing how the PDP has avoided impacts to onsite and offsite Potential Critical Coarse Sediment Yield Areas and Potential Sediment Source Areas.			
Section E.3.2: Option 2: Site-Specific Critical Coarse Sediment Analysis			
Completed Step 1: Identify if site is a Significant Source of Bed Sediment Supply			
• Step 1.A: Identifies bed sediment similarity as…High, Medium or Low. • Results from geotechnical report attached in Appendix 7			
• Step 1.B: Identifies onsite streams capable of delivering bed sediment to receiving channel as…High, Medium or Low. • Results from analysis attached in Appendix 7			
• Step 1.C: Identifies if receiving channel will adversely respond to change in Bed Sediment Load as…High, Medium or Low. • Results from in-stream analysis provided in Appendix 7			
• Step 1.D: Provides summary of Step 1 in Table E.2: Triad Assessment Summary			
Completed Step 2: Preservation of identified onsite channels			
- Indicates whether site design will or will not avoid onsite channels that are identified as Significant Source of Bed Sediment…Yes or No.			
- Provides map identifying all onsite channels that are Significant Source of Bed Sediment in Appendix 7			
Completed Step 3: By-Pass of Upstream Drainage(s)			
- Indicates if site design avoids or doesn't avoid all onsite channels			
- Provides a site map identifying all upstream channels that are Significant Source of Bed Sediment in Appendix 7			
Completed Step 4 (if applicable). Copermittee has given approval to investigate other Bed Sediment Supply BMP options and the approval document is provided in the WQMP. The WQMP documents that project will have no net impact to receiving waters associated with coarse sediment supply.			

WQMP REQUIREMENT	Requirement Satisfied?		
	Yes	No	N/A
SECTION F: ALTERNATIVE COMPLIANCE			
Indicates if Alternative Compliance has been used to achieve compliance with pollutant control and/or hydrologic control requirements for a given PDP. Indicates that either full implementation of LID BMPs is infeasible and must be supplemented with Alternative Compliance BMPs, or applicant has elected to use Alternative Compliance BMPs even if use of onsite LID BMPs is feasible. If neither box is checked, Section F is not required to be completed. Preparer to skip to Section G. Note, there is no alternative compliance for sediment supply BMPs			
Section F.1: Identify Pollutants of Concern			
Includes fully completed Table F.1: Summary of Approved 2010 303(d) listed waterbodies and associated pollutants of concern for the Riverside County SMR Region and downstream waterbodies.			
Includes fully completed Table F.2: Potential Pollutants by Land Use Type. • Indicates all applicable project categories. • Identifies the project's Pollutants of Concern by comparing general pollutant categories to those listed as impairments in the project's receiving waters.			
Section F.2: Treatment Control BMP Selection			
Includes fully completed Table F.3: Treatment Control BMP Selection. • Lists proposed treatment control BMP. • List project's priority pollutants of concern. • List removal efficiency percentage, as documented in TAPE GULD Certification or equivalent 3rd party certification, certification is provided in Appendix 6.			
Section F.3: Sizing Criteria			
Includes appropriate V_{BMP} or Q_{BMP} calculations and are analyzed using method described in Section 2.3.1 of the 2018 SMR WQMP.			
Section F.4:Hydrologic Performance Standard – Alternative Compliance Approach			
Provides an Technical Feasibility Study in Appendix 7 • Written approval from Copermittee has been given prior to development of study			
Indicates if offsite hydrologic control management within the same channel system will be pursued.			
Provides a completed Table F.5: Offsite Hydrologic Control BMP Sizing			
Indicates if in-stream restoration project is being pursued			
Provides a technical report detailing in-stream restoration option in Appendix 7			
Sediment Supply Performance Standard – NO ALTERNATIVE COMPLIANCE IS AVAILABLE			
SECTION G: IMPLEMENT TRASH CAPTURE BMPS			
Documents whether Trash Capture is required for the project.			
Includes fully completed Table G.1: Sizing Trash Capture BMPs.			
Includes fully completed Table G.2: Approximate precipitation depth/intensity values for calculation of the Trash Capture Design Storm.			
Includes fully completed Table G.3: Trash Capture BMPs.			
SECTION H: SOURCE CONTROL BMPS			
Includes completed Table H-1: Project Specific WQMP Source Control BMP Checklist – Table is consistent with Stormwater Pollutant Sources/Source Control Checklist located in Appendix 8 for the following: • Potential sources of runoff pollutants. • Structural source control BMPs. • Operational source control BMPs.			

WQMP REQUIREMENT	Requirement Satisfied?		
	Yes	No	N/A
SECTION I: COORDINATE SUBMITTAL WITH OTHER SITE PLANS			
Includes fully completed Table I.1: Construction Plan Cross-Reference. • For Final WQMP only. • Reference tool to be used for easy reference of related construction plans.			
Includes fully completed Table I.2: Other Applicable Permits.			
SECTION I. OPERATION, MAINTENANCE AND FUNDING			
Describes Maintenance Mechanism that is included in Appendix 9.			
Indicates Maintenance Mechanism and if the proposed BMPs will be maintained by a Homeowners' Association (HOA) or Property Owners Association (POA).			
APPENDICES			
Appendix 1: Maps and Site Plans			
Includes fully completed Map and Site Plan Checklist.			
Includes an accurate project location Map.			
Includes a fully complete and labeled map of all project identified receiving waters.			
Includes WQMP Site Plan that includes all of the following elements: • Parcel Boundary and Project Footprint • Existing and Proposed Topography • Drainage Management Areas (DMAs) • Proposed Structural Best Management Practices (BMPs) Drainage Paths • Drainage infrastructure, inlets, overflows • Source Control BMPs • Site Design BMPs • Buildings, Roof Lines, Downspouts • Impervious Surfaces • Pervious Surfaces (i.e. Landscaping) Standard Labeling			
Appendix 2: Construction Plans			
Includes grading, drainage, landscape/plant palette and other pertinent construction plans.			
Appendix 3: Soil Information			
Includes Geotechnical Study.			
Includes infiltration testing data.			
Includes HSG map.			
Includes other soils information.			
Appendix 4: Historical Site Conditions			
Includes Phase 1 Environmental Site Assessment and/or other information on past site use.			
Includes other historical site condition information.			
Appendix 5: LID infeasibility			
Includes LID Technical Feasibility/Infeasibility Analysis. • Analysis should be approved by Copermittee.			

WQMP REQUIREMENT	Requirement Satisfied?		
	Yes	No	N/A
Appendix 6: BMP Design Details			
Includes Design procedure sheets for LID BMPs. • Includes separate calculations for each DMAs draining to an LID BMP. • Includes calculations of V_{BMP} for each DMA using worksheets from Appendix F of the *LID BMP Design Handbook.* • Sizing of the LID BMP is performed using worksheets found in the *LID BMP Design Handbook* or other approved method by the Copermittee, and all worksheets are included. • Calculation values are consistent with those provided in Table D.6 and D.7.			
Appendix 7: Hydromodification			
Includes supporting documentation for exemption of hydromodification performance standards.			
Includes exhibit showing project site location in relation to mapped Potential Critical Coarse Sediment Yield Areas and Potential Sediment Source Areas			
Includes SMRHM summary reports			
Includes sieve analysis from Geotechnical Report, including soil erodibility factor.			
Includes analysis of sediment delivery potential to receiving channel			
Includes in-stream analysis			
Includes a site map identifying all onsite/upstream channels that are a significant source of bed sediment supply			
Includes site specific Technical Infeasibility Study of Hydrologic Control and Sediment Supply BMPs, including, but not limited to: • Modeling analysis • Long-term monitoring program • Potential corrective actions • SMRHM summary reports for alternative hydrologic approach BMPs			
Includes supporting documentation for alternative compliance option for offsite/in-stream restoration for hydrologic performance standard			
Includes analysis of sediment delivery potential to receiving channel.			
Includes full design plans for in-stream restoration project that has been approved by Copermittee.			
Appendix 8: Source Control			
Includes Pollutant Sources/Source Control Checklist. • Checklist is consistent with Project-Specific WQMP Source Control BMP Checklist • Checklist is consistent with the WQMP Site Plan.			
Appendix 9: O&M			
Includes a means to finance and implement facility maintenance in perpetuity, including replacement cost.			
Includes acceptance of responsibility for maintenance from the time the BMPs are constructed until the responsibility for operation and maintenance is legally transferred.			
Includes an outline of general maintenance requirements for the Stormwater BMPs selected.			
Includes figures delineating and designating pervious and impervious areas, location, and type of Stormwater BMP, and tables of pervious and impervious areas served by each facility. Geo-locating the BMPs using a coordinate system of latitude and longitude is recommended to help facilitate a future statewide database system.			
Includes a separate list and location of self-retaining areas, or areas addressed by LID Principles, that do not require specialized O&M or inspections, but will require typical landscape maintenance as noted in Chapter 5, in the WQMP Guidance. Includes a brief description of typical landscape maintenance for these areas.			
Includes Maintenance and Recording Mechanisms			

WQMP REQUIREMENT	Requirement Satisfied?		
	Yes	No	N/A
Appendix 10: Educational Materials			
Includes BMP Fact Sheets			
Includes Maintenance Guidelines			
Includes Other End-User BMP Information			

WQMP REVIEW COMMENTS

The following is a summary of major comments and/or questions relative to this project-specific WQMP: