



Stormwater Requirements Checklist

Municipal Regional Stormwater Permit (MRP 2.0)
Stormwater Controls for Development Projects

CITY OF ALAMEDA
PUBLIC WORKS DEPARTMENT
950 WEST MALL SQUARE, ROOM 110
ALAMEDA, CA 94501
510 747-7930

I. Applicability of C.3 and C.6 Stormwater Requirements

I.A. Enter Project Data (For "C.3 Regulated Projects," data will be reported in the municipality's stormwater Annual Report.)

I.A.1 Project Name: _____

I.A.2 Project Address (include cross street): _____

I.A.3 Project APN: _____ I.A.4 Project Watershed¹: _____

I.A.5 Applicant Name: _____ I.A.6 Date Submitted: _____

I.A.7 Applicant Address: _____

I.A.8 Applicant Phone: _____ I.A.9 Applicant Email Address: _____

I.A.10 Development type: (check all that apply)

Residential Commercial Industrial Mixed-Use Streets, Roads, etc.

'Redevelopment' as defined by MRP: creating, adding and/or replacing exterior existing impervious surface on a site where past development has occurred²

'Special land use categories' as defined by MRP: (1) auto service facilities³, (2) retail gasoline outlets, (3) restaurants³, (4) uncovered parking area (stand-alone or part of a larger project)

I.A.11 Project Description⁴: _____
(Also note any past or future phases of the project.)

I.A.12 Total Area of Site: _____ acres I.A.13 Slope on Site: _____ %

I.A.14 Total Area of land disturbed during construction (include clearing, grading, excavating and stockpile area: _____ acres.

I.B. Is the project a "C.3 Regulated Project" per MRP Provision C.3.b?

I.B.1 Enter the amount of impervious surface⁴ created and/or replaced by the project (if the total amount is 5,000 sq.ft. or more):

Table of Impervious and Pervious Surfaces

Type of Impervious Surface	a	b	C	d
	Pre-Project Impervious Surface (sq.ft.)	Existing Impervious Surface to be Replaced ⁷ (sq.ft.)	New Impervious Surface to be Created ⁷ (sq.ft.)	Post-project pervious surface (sq.ft.)
Roof area(s) – excluding any portion of the roof that is vegetated ("green roof")				N/A
Impervious ⁵ sidewalks, patios, paths, driveways				
Impervious ⁵ uncovered parking ⁶				
Streets (public)				
Streets (private)				
Totals:				
Area of Existing Impervious Surface to remain in place			N/A	
Total New Impervious Surface (sum of totals for columns b and c):				

¹ Watershed is defined by the maps from the Alameda County Flood Control District at <http://acffloodcontrol.org/resources/explore-watersheds>

² Roadway projects that replace existing impervious surface are subject to C.3 requirements only if one or more lanes of travel are added.

³ Standard Industrial Classification (SIC) codes are in Section 2.3 of the C.3 Technical Guidance (download at www.cleanwaterprogram.org)

⁴ Project description examples: 5-story office building, industrial warehouse, residential with five 4-story buildings for 200 condominiums, etc.

⁵ Per the MRP, pavement that meets the following definition of pervious pavement is NOT an impervious surface. Pervious pavement is defined as pavement that stores and infiltrates rainfall at a rate equal to immediately surrounding unpaved, landscaped areas, or that stores and infiltrates the rainfall runoff volume described in Provision C.3.d.

⁶ Uncovered parking includes top level of a parking structure.

⁷ "Replace" means to install new impervious surface where existing impervious surface is removed. "Create" means to install new impervious surface where there is currently no impervious surface.

I.B. Is the project a “C.3 Regulated Project” per MRP 2.0 Provision C.3.b? (continued)

	Yes	No	NA
I.B.2 In Item I.B.1, does the Total New Impervious Surface equal 10,000 sq.ft. or more? <i>If YES, skip to Item I.B.5 and check “Yes.” If NO, continue to Item I.B.3.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I.B.3 Does the Item I.B.1 Total New Impervious Surface equal 5,000 sq.ft. or more, but less than 10,000 sq.ft.? <i>If YES, continue to Item I.B.4. If NO, skip to Item I.B.5 and check “No.”</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I.B.4 Is the project a “Special Land Use Category” per Item I.A.10? For uncovered parking, check YES only if there is 5,000 sq.ft or more uncovered parking. <i>If NO, go to Item I.B.5 and check “No.” If YES, go to Item I.B.5 and check “Yes.”</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I.B.5 Is the project a C.3 Regulated Project? <i>If YES, go to Item I.B.6; if NO, continue to Item I.C.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I.B.6 Does the total amount of Replaced impervious surface equal 50 percent or more of the Pre-Project Impervious Surface? <i>If YES, stormwater treatment requirements apply to the whole site; if NO, these requirements apply only to the impervious surface created and/or replaced.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I.B.7 Is the project installing a total of 3,000 sq.ft. or more (excluding private-use patios in single family homes, townhomes, or condominiums) of new pervious pavement systems? (Pervious pavement systems include pervious concrete, pervious asphalt, pervious pavers and grid pavers etc. and are described in the C3 Technical Guidance at www.cleanwaterprogram.org) If YES, stormwater treatment system inspection requirements (C.3.h) apply; (Municipal staff – add this site to your list of sites needing a final inspection at the end of construction and on-going O&M inspections.) If NO, inspection requirements only apply if there are other treatment systems installed on the project.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

I.C. Projects that are NOT C.3 Regulated Projects

If you answered NO to Item I.B.5, or the project creates/replaces less than 5,000 sq. ft. of impervious surface, then the project is NOT a C.3 Regulated Project, and stormwater treatment is not required, BUT the City does require that appropriate source controls and site design measures are integrated with the project design. Skip to Section II.

I.D. Projects that ARE C.3 Regulated Projects

If you answered YES to Item I.B.5, then the project is a C.3 Regulated Project. The project must include appropriate site design measures and source controls AND hydraulically-sized stormwater treatment measures. Hydromodification management may also be required; refer to Section II to make this determination. If final discretionary approval was granted on or after **DECEMBER 1, 2011**, Low Impact Development (LID) requirements apply, except for “Special Projects.” See Section II.

I.E. Identify C.6 Construction-Phase Stormwater Requirements

	Yes	No
I.E.1 Does the project disturb 1.0 acre (43,560 sq.ft.) or more of land? (See Item I.A.14). <i>If Yes, obtain coverage under the state’s Construction General Permit at https://smarts.waterboards.ca.gov/smarts/faces/SwSmartsLogin.jsp. Submit to the municipality a copy of your Notice of Intent and Storm Water Pollution Prevention Plan (SWPPP) before a grading or building permit is issued. And, see below prior to continuing on to Section II.</i> <i>If No, see below prior to continuing on to Section II.</i>	<input type="checkbox"/>	<input type="checkbox"/>

- NOTE TO APPLICANT: All projects require appropriate stormwater best management practices (BMPs) during construction to comply with the Alameda Municipal Code. Refer to the Section II.D to identify appropriate construction BMPs.

II. Implementation of Stormwater Requirements

II.A. Complete the appropriate sections for the project. For non-C.3 Regulated Projects, Sections II.B, II.C, and II.D apply. For C.3 Regulated Projects, all sections of Section II apply.

II.B. Select Appropriate Site Design Measures

- *Required for C.3 Regulated Projects.*
- *Projects that create and/or replace 2,500 - 10,000 sq.ft. of impervious surface, and stand-alone single family homes that create/replace 2,500 sq.ft. or more of impervious surface, must include one of Site Design Measures a through f.⁸*
- *All other projects are encouraged to implement site design measures, which may be required at municipality discretion.*
- *Consult with municipal staff about requirements for your project.*

II.B.1 Are the following site design measure included, as relevant, in the project plans to the maximum extent practicable?

Yes	No	Plan Sheet No.
<input type="checkbox"/>	<input type="checkbox"/>	a. Direct roof runoff into cisterns or rain barrels and use rainwater for irrigation or other non-potable use.
<input type="checkbox"/>	<input type="checkbox"/>	b. Direct roof runoff onto vegetated areas.
<input type="checkbox"/>	<input type="checkbox"/>	c. Direct runoff from sidewalks, walkways, and/or patios onto vegetated areas.
<input type="checkbox"/>	<input type="checkbox"/>	d. Direct runoff from driveways and/or uncovered parking lots onto vegetated areas.
<input type="checkbox"/>	<input type="checkbox"/>	e. Construct sidewalks, walkways, and/or patios with pervious surfaces. Use the specifications in the C3 Technical Guidance (Version 4.1) or for small projects see the BASMAA Pervious Paving Factsheet. For these documents and others go to www.cleanwaterprogram.org and click on "Resources."
<input type="checkbox"/>	<input type="checkbox"/>	f. Construct bike lanes, driveways, and/or uncovered parking lots with pervious surfaces. Use the specifications in the C3 Technical Guidance (Version 4.1) or for small projects see the BASMAA Pervious Paving Factsheet. For these documents and others go to the program website at: www.cleanwaterprogram.org and click on "Resources."
<input type="checkbox"/>	<input type="checkbox"/>	g. Minimize land disturbance and impervious surface (especially parking lots).
<input type="checkbox"/>	<input type="checkbox"/>	h. Maximize permeability by clustering development and preserving open space.
<input type="checkbox"/>	<input type="checkbox"/>	i. Use micro-detention, including distributed landscape-based detention.
<input type="checkbox"/>	<input type="checkbox"/>	j. Protect sensitive areas, including wetland and riparian areas, and minimize changes to the natural topography.
<input type="checkbox"/>	<input type="checkbox"/>	k. Self-treating area (see Section 4.1 of the C.3 Technical Guidance)
<input type="checkbox"/>	<input type="checkbox"/>	l. Self-retaining area (see Section 4.2 of the C.3 Technical Guidance)
<input type="checkbox"/>	<input type="checkbox"/>	m. Plant or preserve interceptor trees (Section 4.5, C.3 Technical Guidance)

⁸ See MRP Provision C.3.a.i(6) for non-C.3 Regulated Projects, C.3.c.i(2)(a) for Regulated Projects, C.3.i for projects that create/replace 2,500 to 10,000 sq.ft. of impervious surface and stand-alone single family homes that create/replace 2,500 sq.ft. or more of impervious surface.

II.C. Select appropriate source controls (Applies to C.3 Regulated Projects; may also apply to other projects. Consult municipal staff.⁹)

Are these features in project?		Features that require source control measures	Source control measures (Refer to Local Source Control List for detailed requirements)	Is source control measure included in project plans?		
Yes	No			Yes	No	Plan Sheet No.
<input type="checkbox"/>	<input type="checkbox"/>	Storm Drain	Mark on-site inlets with the words "No Dumping! Flows to Bay" or equivalent.	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	Floor Drains	Plumb interior floor drains to sanitary sewer ¹⁰ [or prohibit].	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	Parking garage	Plumb interior parking garage floor drains to sanitary sewer. ⁹	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	Landscaping	<ul style="list-style-type: none"> ▪ Retain existing vegetation as practicable. ▪ Select diverse species appropriate to the site. Include plants that are pest- and/or disease-resistant, drought-tolerant, and/or attract beneficial insects. ▪ Minimize use of pesticides and quick-release fertilizers. ▪ Use efficient irrigation system; design to minimize runoff. 	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	Pool/Spa/Fountain	Provide connection to the sanitary sewer to facilitate draining. ⁹	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	Food Service Equipment (non-residential)	Provide sink or other area for equipment cleaning, which is: <ul style="list-style-type: none"> ▪ Connected to a grease interceptor prior to sanitary sewer discharge.⁹ ▪ Large enough for the largest mat or piece of equipment to be cleaned. ▪ Indoors or in an outdoor roofed area designed to prevent stormwater run-on and run-off, and signed to require equipment washing in this area. 	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	Refuse Areas	<ul style="list-style-type: none"> ▪ Provide a roofed and enclosed area for dumpsters, recycling containers, etc., designed to prevent stormwater run-on and runoff. ▪ Connect any drains in or beneath dumpsters, compactors, and tallow bin areas serving food service facilities to the sanitary sewer.⁹ 	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	Outdoor Process Activities ¹¹	Perform process activities either indoors or in roofed outdoor area, designed to prevent stormwater run-on and runoff, and to drain to the sanitary sewer. ⁹	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	Outdoor Equipment/Materials Storage	<ul style="list-style-type: none"> ▪ Cover the area or design to avoid pollutant contact with stormwater runoff. ▪ Locate area only on paved and contained areas. ▪ Roof storage areas that will contain non-hazardous liquids, drain to sanitary sewer⁹, and contain by berms or similar. 	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	Vehicle/Equipment Cleaning	<ul style="list-style-type: none"> ▪ Roofed, pave and berm wash area to prevent stormwater run-on and runoff, plumb to the sanitary sewer⁹, and sign as a designated wash area. ▪ Commercial car wash facilities shall discharge to the sanitary sewer.⁹ 	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	Vehicle/Equipment Repair and Maintenance	<ul style="list-style-type: none"> ▪ Designate repair/maintenance area indoors, or an outdoors area designed to prevent stormwater run-on and runoff and provide secondary containment. Do not install drains in the secondary containment areas. ▪ No floor drains unless pretreated prior to discharge to the sanitary sewer.⁹ ▪ Connect containers or sinks used for parts cleaning to the sanitary sewer.⁹ 	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	Fuel Dispensing Areas	<ul style="list-style-type: none"> ▪ Fueling areas shall have impermeable surface that is a) minimally graded to prevent ponding and b) separated from the rest of the site by a grade break. ▪ Canopy shall extend at least 10 ft in each direction from each pump and drain away from fueling area. 	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	Loading Docks	<ul style="list-style-type: none"> ▪ Cover and/or grade to minimize run-on to and runoff from the loading area. ▪ Position downspouts to direct stormwater away from the loading area. ▪ Drain water from loading dock areas to the sanitary sewer.⁹ ▪ Install door skirts between the trailers and the building. 	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	Fire Sprinklers	Design for discharge of fire sprinkler test water to landscape or sanitary sewer. ⁹	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	Miscellaneous Drain or Wash Water	<ul style="list-style-type: none"> ▪ Drain condensate of air conditioning units to landscaping. Large air conditioning units may connect to the sanitary sewer.⁹ ▪ Roof drains shall drain to unpaved area where practicable. ▪ Drain boiler drain lines, roof top equipment, all washwater to sanitary sewer⁹. 	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	Architectural Copper	Discharge rinse water to sanitary sewer ⁹ , or collect and dispose properly offsite. See flyer "Requirements for Architectural Copper."	<input type="checkbox"/>	<input type="checkbox"/>	

⁹ See MRP Provision C.3.a.i(7) for non-C.3 Regulated Projects and Provision C.3.c.i(1) for C.3 Regulated Projects.

¹⁰ Any connection to the sanitary sewer system is subject to sanitary district approval.

¹¹ Businesses that may have outdoor process activities/equipment include machine shops, auto repair, industries with pretreatment facilities.

II.D. Implement Construction Best Management Practices (BMPs) (Applies to all projects – see Provision C.6 for more details.)

Yes	No	Best Management Practice (BMP)
<input type="checkbox"/>	<input type="checkbox"/>	Attach the municipality's construction BMP plan sheet to project plans and require contractor to implement the applicable BMPs on the plan sheet.
<input type="checkbox"/>	<input type="checkbox"/>	Temporary erosion controls to stabilize all denuded areas until permanent erosion controls are established.
<input type="checkbox"/>	<input type="checkbox"/>	Delineate with field markers clearing limits, easements, setbacks, sensitive or critical areas, buffer zones, trees, and drainage courses.
<input type="checkbox"/>	<input type="checkbox"/>	Provide notes, specifications, or attachments describing the following: <ul style="list-style-type: none"> ▪ Construction, operation and maintenance of erosion and sediment controls, include inspection frequency; ▪ Methods and schedule for grading, excavation, filling, clearing of vegetation, and storage and disposal of excavated or cleared material; ▪ Specifications for vegetative cover & mulch, include methods and schedules for planting and fertilization; ▪ Provisions for temporary and/or permanent irrigation.
<input type="checkbox"/>	<input type="checkbox"/>	Perform clearing and earth moving activities only during dry weather.
<input type="checkbox"/>	<input type="checkbox"/>	Use sediment controls or filtration to remove sediment when dewatering and obtain all necessary permits.
<input type="checkbox"/>	<input type="checkbox"/>	Protect all storm drain inlets in vicinity of site using sediment controls such as berms, fiber rolls, or filters.
<input type="checkbox"/>	<input type="checkbox"/>	Trap sediment on-site, using BMPs such as sediment basins or traps, earthen dikes or berms, silt fences, check dams, soil blankets or mats, covers for soil stock piles, etc.
<input type="checkbox"/>	<input type="checkbox"/>	Divert on-site runoff around exposed areas; divert off-site runoff around the site (e.g., swales and dikes).
<input type="checkbox"/>	<input type="checkbox"/>	Protect adjacent properties and undisturbed areas from construction impacts using vegetative buffer strips, sediment barriers or filters, dikes, mulching, or other measures as appropriate.
<input type="checkbox"/>	<input type="checkbox"/>	Limit construction access routes and stabilize designated access points.
<input type="checkbox"/>	<input type="checkbox"/>	No cleaning, fueling, or maintaining vehicles on-site, except in a designated area where washwater is contained and treated.
<input type="checkbox"/>	<input type="checkbox"/>	Store, handle, and dispose of construction materials/wastes properly to prevent contact with stormwater.
<input type="checkbox"/>	<input type="checkbox"/>	Contractor shall train and provide instruction to all employees/subcontractors re: construction BMPs.
<input type="checkbox"/>	<input type="checkbox"/>	Control and prevent the discharge of all potential pollutants, including pavement cutting wastes, paints, concrete, petroleum products, chemicals, washwater or sediments, rinse water from architectural copper, and non-stormwater discharges to storm drains and watercourses.

PROJECTS THAT ARE NOT C.3 REGULATED PROJECTS, SKIP TO SECTION II.H TO COMPLETE.

II.E. Biotreatment, Infiltration and Rain Water Harvesting and Use.

Applicants are encouraged to maximize infiltration of stormwater if site conditions allow.

If feasible and desired, infiltration and rainwater harvesting may be cost effective solutions depending on the project.

II.F. Stormwater Treatment Measures (Applies to C.3 Regulated Projects)

II.F.1 Check the applicable box and indicate the treatment measures to be included in the project.

Yes	No											
<input type="checkbox"/>	<input type="checkbox"/>	<p>Is the project a Special Project? (See Appendix K of the C.3 Technical Guidance for criteria.)</p> <p>If Yes, complete the Special Projects Worksheet (go to the program website at: www.cleanwaterprogram.org and click on "Resources") and consult with municipal staff about the need to prepare a discussion of the feasibility and infeasibility of 100% LID treatment. Indicate the type of non-LID treatment to be used, the hydraulic sizing method*, and percentage of the amount of runoff specified in Provision C.3.d that is treated:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Non-LID Treatment</u></th> <th style="text-align: left;"><u>Hydraulic sizing method*</u></th> <th style="text-align: left;"><u>% of C.3.d amount of runoff treated</u></th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> Media filter</td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> Tree well filter</td> <td></td> <td></td> </tr> </tbody> </table>	<u>Non-LID Treatment</u>	<u>Hydraulic sizing method*</u>	<u>% of C.3.d amount of runoff treated</u>	<input type="checkbox"/> Media filter			<input type="checkbox"/> Tree well filter			
<u>Non-LID Treatment</u>	<u>Hydraulic sizing method*</u>	<u>% of C.3.d amount of runoff treated</u>										
<input type="checkbox"/> Media filter												
<input type="checkbox"/> Tree well filter												
<input type="checkbox"/>	<input type="checkbox"/>	<p>Is the project using biotreatment to treat the C.3.d amount of runoff?</p> <p>For more information on infiltration and rainwater harvesting and use of stormwater, refer to the C3 Technical Guidance downloadable at the program website: www.cleanwaterprogram.org</p> <p>If Yes, indicate the biotreatment measures to be used, and the hydraulic sizing method:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Biotreatment Measures</u></th> <th style="text-align: left;"><u>Hydraulic sizing method*</u></th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> Bioretention area</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Flow-through planter</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other (specify):</td> <td></td> </tr> </tbody> </table>	<u>Biotreatment Measures</u>	<u>Hydraulic sizing method*</u>	<input type="checkbox"/> Bioretention area		<input type="checkbox"/> Flow-through planter		<input type="checkbox"/> Other (specify):			
<u>Biotreatment Measures</u>	<u>Hydraulic sizing method*</u>											
<input type="checkbox"/> Bioretention area												
<input type="checkbox"/> Flow-through planter												
<input type="checkbox"/> Other (specify):												
<input type="checkbox"/>	<input type="checkbox"/>	<p>Is the project using infiltration or rainwater harvesting/use?</p> <p>For more information on infiltration and rainwater harvesting and use of stormwater, refer to the C3 Technical Guidance downloadable at the program website: www.cleanwaterprogram.org</p> <p>If Yes, indicate the measures to be used, and hydraulic sizing method:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>LID Treatment Measure (non-biotreatment)</u></th> <th style="text-align: left;"><u>Hydraulic sizing method*</u></th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> Rainwater harvesting and use</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Bioinfiltration¹²</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Infiltration trench</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other (specify): _____</td> <td></td> </tr> </tbody> </table>	<u>LID Treatment Measure (non-biotreatment)</u>	<u>Hydraulic sizing method*</u>	<input type="checkbox"/> Rainwater harvesting and use		<input type="checkbox"/> Bioinfiltration ¹²		<input type="checkbox"/> Infiltration trench		<input type="checkbox"/> Other (specify): _____	
<u>LID Treatment Measure (non-biotreatment)</u>	<u>Hydraulic sizing method*</u>											
<input type="checkbox"/> Rainwater harvesting and use												
<input type="checkbox"/> Bioinfiltration ¹²												
<input type="checkbox"/> Infiltration trench												
<input type="checkbox"/> Other (specify): _____												

***Hydraulic Sizing Method:** Indicate which of the following Provision C.3.d.i hydraulic sizing methods were used:

1. Volume based approaches – Refer to Provision C.3.d.i.(1):
 - 1(a) Urban Runoff Quality Management approach, or
 - 1(b) 80% capture approach (recommended volume-based approach).
2. Flow-based approaches – Refer to Provision C.3.d.i.(2):
 - 2(a) 10% of 50-year peak flow approach,
 - 2(b) Percentile rainfall intensity approach, or
 - 2(c) 0.2-Inch-per-hour intensity approach (this is recommended flow-based approach AND the basis for the 4% rule of thumb described in Section 5.1 of the C.3 Technical Guidance).
3. Combination hydraulic sizing approach -- Refer to Provision C.3.d.i.(3):

If a combination flow and volume design basis was used, indicate which flow-based and volume-based criteria were used.

¹² See Section 6.1 of the C.3 Technical Guidance for conditions in which bioretention areas provide bioinfiltration.

II.G. Project Submittals for Site Stormwater Quality Management

The project applicant/proponent shall provide the City the following submittals for approval by the Public Works Department (PW) according to the deadlines indicated. Item II.G.1 shall be completed prior to the project planning application being deemed complete and the review for Development Plan approval (final discretionary approval). Items II.G.2 through G.4 are advisory at the planning application stage and shall be completed prior to the issuance of the first grading or building permit and prior to the issuance of any occupancy permit, respectively. (Complete this section for C.3 Regulated Projects)

II.G.1 Prepare and submit a stormwater drainage management area (DMA) plan that details the low impact development (LID) techniques, if applicable, and/or the stormwater treatment measure(s) to be used for 100% of the project's impervious surface area subject to C.3. As part of the submittal, the applicant/developer shall submit a stamped, signed Certification Form from a qualified independent civil engineer with stormwater treatment facility design experience, licensed in the State of California, and acceptable to PW that indicates the LID techniques and treatment measure(s) design meets the established hydraulic sizing design criteria for stormwater treatment measures. Obtain a copy of the City of Alameda's Design Criteria Certification Form from the PW Clean Water Program office.

Have a completed DMA Plan and Design Criteria Certification Form been submitted for review and approval by PW?

- Yes. *Continue to Item II.G.2.*
- No. Complete and submit the DMA plan and Design Criteria Certification Form.

II.G.2 Project applicant shall acknowledge the need to prepare and submit to the City Public Works Department for review and approval, prior to issuance of the first grading or building permit, a stormwater treatment measures site plan, a stormwater treatment measures operations and maintenance (O&M) plan, and a template annual maintenance reporting form for the approved and certified LID techniques and/or stormwater treatment measures. These submittals shall be either used as the necessary Exhibits to a stormwater treatment measures Maintenance Agreement or incorporated into the maintenance responsibilities of the property/homeowner association.

- Yes, acknowledged. *Continue to Item II.G.3.*

II.G.3 Project applicant shall acknowledge the need to either execute a stormwater treatment measures maintenance agreement with the City or incorporate the maintenance responsibilities with the property/homeowners association for all approved LID techniques and stormwater treatment measures.

- Yes, acknowledged. *Continue to II.G.4.*

II.G.4 Project applicant shall acknowledge the need to submit a construction certification report (Report) affirming that all project site stormwater treatment measures have been constructed per the City approved plans and specifications, prior to the issuance of any occupancy permit. The Report shall be submitted in a form acceptable to the Public Works and prepared by a registered civil engineer, licensed in the State of California.

- Yes, acknowledged.

II.H Project Owner and Applicant Information:

Project Owner/Agent: _____

Address: _____

Phone: _____ Email: _____

➤ *Applicant must call for inspection and receive inspection within 45 days of installation of treatment measures and/or hydromodification management controls.*

Name of applicant completing the form: _____

Signature: _____ Date: _____

III. For Completion By Municipal Staff

III.1 Alternative Certification: Was the treatment system sizing and design reviewed by a qualified third-party professional that is not a member of the project team or agency staff?

Yes No Name of Reviewer _____

III.2. Confirm Operations and Maintenance (O&M) Submittal:

The following questions apply to C.3 Regulated Projects and Hydromodification Management Projects.

	Yes	No	N/A
III.2.a Was maintenance plan submitted?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
III.2.b Was maintenance plan approved?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
III.2.c Was maintenance agreement submitted? (Date executed: _____)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

➤ Attach the executed maintenance agreement as an appendix to this checklist.

III.3 Annual Operations and Maintenance (O&M) Submittals:

For C.3 Regulated Projects and Hydromodification Management Projects, indicate the dates on which the Applicant submitted annual reports for project O&M: _____

III.4 Comments:

III.5 Notes:

Section I Notes: _____

Section II Notes: _____

Section III Notes: _____

III.6 Project Close-Out:

III.7.a Were final Conditions of Approval met?	<input type="checkbox"/>	<input type="checkbox"/>	
III.7.b Was initial inspection of the completed treatment measure(s) conducted? (Date of inspection: _____)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
III.7.c Was maintenance plan submitted? (Date executed: _____)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
III.7.d Was project information provided to staff responsible for O&M verification inspections? (Date provided to inspection staff: _____)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Name of staff confirming project is closed out: _____

Signature: _____ Date: _____

Name of O&M staff receiving information: _____

Signature: _____ Date: _____

Appendices

Appendix A: O&M Agreement

Appendix B: O&M Annual Report Form