

Model Ordinance for Post-Construction Stormwater Management for New Development and Redevelopment

Article [X]. Post-Construction Stormwater Management for New Development and Redevelopment.

Section [Y]-1. Purpose and Intent. The purpose of this article is to protect, maintain and enhance the public health, safety, environment and general welfare by establishing minimum requirements and procedures to control the adverse effects of increased post-~~development~~construction stormwater runoff and nonpoint source pollution associated with new development and redevelopment. It has been determined that proper management of post-~~development~~ construction stormwater runoff will minimize damage to public and private property and infrastructure, safeguard the public health, safety, environment and general welfare of the public, and protect water and aquatic resources. Additionally, the [local jurisdiction] is required to comply with several State and Federal laws, regulations and permits and the requirements of the Metropolitan North Georgia Water Planning District’s regional water plan related to managing the water quantity, velocity, and quality of stormwater post-~~development.~~ construction.

Section [Y]-2. Definitions. For this Article, the terms below shall have the following meanings:

~~“accessory structure” means a structure which is on the same parcel of property as a principal structure and the use of which is incidental to the use of the principal structure such as a storage shed, gazebo, or separate dwelling unit.~~

“administrator” means the person appointed to administer and implement this Article on Post-~~Development~~Construction Stormwater Management for New Development and Redevelopment in accordance with Section [Y]-4.

“applicant” means a person submitting a land development application for approval.

“BMP” or “best management practice” means both structural devices to store or treat stormwater runoff and non-structural programs or practices which are designed to prevent or reduce the pollution of the ~~water~~waters of the State of Georgia.

“channel” means a natural or artificial watercourse with a definite bed and banks that conducts continuously or periodically flowing water.

~~“construction sequencing plan” means a document noting the sequence of construction during staged installation of permanent post construction BMPs to ensure suitable site conditions such as avoiding soil compaction by heavy equipment in areas designated for infiltration BMPs.~~

“detention” means the temporary storage of stormwater runoff in a stormwater detention facility for the purpose of controlling the peak discharge.

“detention facility” means a ~~detention basin or~~ structure designed for the ~~detention of stormwater runoff storage~~ and gradual release of ~~stored water stormwater runoff~~ at a controlled ~~rates~~rate.

“development” means new development or redevelopment.

“extended detention” means the ~~detention~~storage of stormwater runoff for an extended period of time.

“extreme flood protection” means measures taken to prevent adverse impacts from large low-frequency storm events with a return frequency of 100 years or more.

“flooding” means a volume of surface water that ~~is too great to be confined within~~exceeds the banks or walls of a ~~conveyance~~BMP, or ~~stream~~channel; and ~~that~~ overflows onto adjacent lands.

“GSMM” means the latest edition of the Georgia Stormwater Management Manual, Volume 2: Technical Handbook, and its Appendices.

“hotspot” means a land use or activity on a site that ~~produces~~has the potential to produce higher than normally found levels of pollutants in stormwater runoff. As defined by the administrator, hotspot land use may include gasoline stations, vehicle service and maintenance areas, industrial facilities (both permitted under the Industrial Stormwater General Permit and others), material storage sites, garbage transfer facilities, and commercial parking lots with high-intensity use.

“impervious surface” means a surface composed of any material that significantly impedes or prevents the natural infiltration of water into the soil.

“Industrial Stormwater General Permit” means the ~~Georgia~~-National Pollutant Discharge Elimination System (NPDES) permit issued by ~~Georgia Environmental Protection Division~~ to an industry ~~or group of industries~~ for stormwater discharges associated with industrial activity. The permit regulates pollutant levels associated with industrial stormwater discharges or specifies on-site pollution control strategies based on Standard Industrial Classification (SIC) Code.

“infiltration” means the process of percolating stormwater runoff into the subsoil.

“inspection and maintenance agreement” means a written agreement providing for the long-term inspection, operation, and maintenance of the stormwater management system and its components on a site.

“land development application” means the application for a land development permit on a form provided by **[local jurisdiction]** along with the supporting documentation required in Section [Y]-10(a).

“land development permit” means the authorization necessary to begin construction-related, land-disturbing activity

“land disturbing activity” means any activity which may result in soil erosion from water or wind and the movement of sediments into state water or onto lands within the state, including but not limited to clearing, dredging, grading, excavating, and filling of land. Land disturbing activity does not include agricultural practices as described O.C.G.A. 12-7-17(5) or silvicultural land management activities as described O.C.G.A. 12-7-17(6) within areas zoned for these activities.

“landscaping plan” – A scheme for vegetation and landscaping that is critical to the performance and function of the BMP including how the BMP will be stabilized and established with vegetation.

“linear transportation projects” means construction projects on traveled ways including but not limited to roads, sidewalks, multi-use paths and trails, and airport runways and taxiways.

“MS4 Permit” means the NPDES permit issued by Georgia Environmental Protection Division for discharges from the [local jurisdiction’s] municipal separate storm sewer system.

“new development” means land disturbing activities, structural development (construction, installation or expansion of a building or other structure), and/or creation of impervious surfaces on a previously undeveloped site.

“nonpoint source pollution” means a form of water pollution that does not originate from a discrete point such as a sewage treatment plant or industrial discharge, but involves the transport of pollutants such as sediment, fertilizers, pesticides, heavy metals, oil, grease, bacteria, organic materials and other contaminants from land to surface water or groundwater via mechanisms such as precipitation, stormwater runoff, and leaching. Nonpoint source pollution is a by-product of land use practices such as agricultural, silvicultural, mining, construction, subsurface disposal and urban runoff sources.

“overbank flood protection” means measures taken to prevent an increase in the frequency and magnitude of out-of-bank flooding (i.e. flow events that exceed the capacity of the channel and enter the floodplain).

“owner” means the legal or beneficial owner of a site, including but not limited to, a mortgagee or vendee in possession, receiver, executor, trustee, lessee or other person, firm or corporation in control of the site.

“person” means any individual, partnership, firm, association, joint venture, public or private corporation, trust, estate, commission, board, public or private institution, utility, cooperative, city, county or other political subdivision of the State, any interstate body or any other legal entity.

“post-construction **stormwater management**” means stormwater best management practices that are used on a permanent basis to control **and treat** runoff once construction ~~is complete~~**has been completed in accordance with a stormwater management plan.**

“post-development” means the time period, or the conditions that may reasonably be expected or anticipated to exist **on site**, after completion of the land disturbing activity on a site as the context may require.

“practicability policy” means the latest edition of the Metropolitan North Georgia Water Planning District’s Policy on Practicability Analysis for Runoff Reduction.

“pre-development” means the time period, or the conditions that exist, on a site, prior to the commencement of development and at the time that plans for the development of a site are approved by the **[local jurisdiction]**. Where phased development or plan approval occurs (preliminary grading, roads and utilities, etc.), the existing conditions at the time prior to the first item being approved or permitted shall establish pre-development conditions.

“pre-development hydrology” means (a) for new development, the runoff curve number determined using natural conditions hydrologic analysis based on the natural, undisturbed condition of the site immediately prior to the implementation of the proposed development; and (b) for redevelopment, the existing conditions hydrograph may take into account the existing development when defining the runoff curve number and calculating existing runoff, unless the existing development causes a negative impact on downstream property.

“previously developed site” means a site that has been altered by paving, construction, and/or land disturbing activity.

“redevelopment” means structural development (construction, installation, or expansion of a building or other structure), creation or addition of impervious surfaces, replacement of impervious surfaces not as part of routine maintenance, and land disturbing activities associated with structural or impervious development on a previously developed site. Redevelopment does not include such activities as exterior remodeling.

“routine maintenance” means activities to keep an impervious surface as near as possible to its constructed condition. This includes ordinary maintenance activities, resurfacing paved areas, and exterior building changes or improvements which do not materially increase or concentrate stormwater runoff, or cause additional nonpoint source pollution.

“runoff” means stormwater runoff.

“site” means an area of land where development is planned, which may include all or portions of one or more parcels of land. For subdivisions and other common plans of development, the site includes all areas of land covered under the applicable land development permit.

“stormwater concept plan” means an initial plan for post-construction stormwater management at the site that provides the groundwork for the stormwater management plan including the natural resources inventory, site layout concept, initial runoff characterization, and first round stormwater management system design.

“stormwater management plan” means a plan for post-construction stormwater management at the site that meets the requirements of Section [Y]-8(c) and is included as part of the land development application.

“stormwater management standards” means those standards set forth in Section [Y]-7.

“stormwater management system” means the entire set of non-structural site design features and structural BMPs for collection, conveyance, storage, infiltration, treatment, and disposal of stormwater runoff in a manner designed to prevent increased flood damage, streambank channel erosion, habitat degradation and water quality degradation, and to enhance and promote the public health, safety and general welfare.

“stormwater runoff” means flow on the surface of the ground, resulting from precipitation.

“subdivision” means the division of a tract or parcel of land resulting in one or more new lots or building sites for the purpose, whether immediately or in the future, of sale, other transfer of ownership or land development, and includes divisions of land resulting from or made in connection with the layout or development of a new street or roadway or a change in an existing street or roadway.

Other terms used but not defined in this Article shall be interpreted based on how such terms are defined and used in the GSMM and the [local jurisdiction’s] MS4 permit.

Section [Y]-3. Adoption and Implementation of the GSMM; Conflicts and Inconsistencies.

(a) In implementing this Article, the [local jurisdiction] shall use and require compliance with all relevant design standards, calculations, formulas, methods, and other guidance from the GSMM as well as all related appendices.

(b) This Article is not intended to modify or repeal any other Article, ordinance, rule, regulation or other provision of law, including but not limited to any applicable stream buffers under state and local laws, and the Georgia Safe Dams Act and Rules for Dam Safety. In the event of any conflict or inconsistency between any provision in the [local jurisdiction’s] MS4 permit and this Article, the provision from the MS4 permit shall control. In the event of any conflict or inconsistency between any provision of this Article and the GSMM, the provision from this Article shall control. In the event of any other conflict or inconsistency between any provision of this Article and any other ordinance,

rule, regulation or other provision of law, the provision that is more restrictive or imposes higher protective standards for human health or the environment shall control.

- (c) If any provision of this Article is invalidated by a court of competent jurisdiction, such judgment shall not affect or invalidate the remainder of this Article.

Section [Y]-4. Designation of Administrator. The ~~[INSERT TITLE OR OTHERWISE DESIGNATE A PERSON OR FIRM] is hereby appointed~~ **AS APPROPRIATE - county administrator / county chief executive officer / mayor / city manager** may from time to time appoint someone to administer and implement this Article.

Section [Y]-5. Applicability Criteria for Stormwater Management Standards. This Article applies to the following activities:

- (a) New development that creates or adds 5,000 square feet or greater of new impervious surface area or that involves land disturbing activity of 1 acre of land or greater;
- (b) Redevelopment (excluding routine maintenance and exterior remodeling) that creates, adds, or replaces 5,000 square feet or greater of new impervious surface area or that involves land disturbing activity of 1 acre or more;
- (c) New development and redevelopment if
 - (i) such new development or redevelopment is part of a subdivision or other common plan of development, and
 - (ii) the sum of all associated impervious surface area or land disturbing activities that are being developed as part of such subdivision or other common plan of development exceeds the threshold in (a) and (b) above;
- (d) Any commercial or industrial new development or redevelopment, regardless of size, that is a hotspot land use as defined in this Article; and
- (e) Linear transportation projects that exceed the threshold in (a) or (b) above.

Section [Y]-6. Exemptions from Stormwater Management Standards. This Article does not apply to the following activities:

- ~~(a) Construction of single family homes that are (i) not being developed as part of a subdivision or other common plan of development and (ii) not likely to have significant adverse impacts on downstream properties as determined by the administrator;~~
- ~~(b) Additions, additional accessory structures, or modifications to existing single family homes;~~

~~(e)~~ — Duplex residential units that do not meet the criteria in Section [Y]-5;

~~(d)~~(a) Land disturbing activity conducted by local, state, authority, or federal agencies, solely to respond to an emergency need to protect life, limb, or property or conduct emergency repairs;

(eb) Land disturbing activity that consists solely of cutting a trench for utility work and related pavement replacement;

(fc) Land disturbing activity conducted by local, state, authority, or federal agencies, whose sole purpose is to implement stormwater management or environmental restoration;

(gd) Repairs to any stormwater management system deemed necessary by the administrator;

(he) Agricultural practices as described O.C.G.A. 12-7-17(5) within areas zoned for these activities with the exception of buildings or permanent structures that exceed the threshold in [Y]-5 (a) or (b);

(if) Silvicultural land management activities as described O.C.G.A. 12-7-17(6) within areas zoned for these activities with the exception of buildings or permanent structures that exceed the threshold in [Y]-5 (a) or (b);

(jg) Installations or modifications to existing structures solely to implement Americans with Disabilities Act (ADA) requirements, including but not limited to elevator shafts, handicapped access ramps and parking, and enlarged entrances or exits; and

(kh) Linear transportation projects, funded in whole or in part and managed by **[local jurisdiction]**, to the extent the administrator determines that implementing the stormwater management standards is infeasible for any portion of the Site. For this exemption to apply, an infeasibility report shall first be submitted to the administrator that contains adequate documentation to support the evaluation for the applicable portion(s) and any resulting infeasibility determination, if any, by the administrator.

Section [Y]-7. Stormwater Management Standards. Subject to the applicability criteria in Section [Y]-5 and exemptions in Section [Y]-6, the following stormwater management standards apply. Additional details for each standard can be found in the GSMM Section 2.2.2.2:

(a) Design of Stormwater Management System: The design of the stormwater management system shall be in accordance with the applicable sections of the GSMM as directed by the administrator. Any design which proposes a dam shall comply with the Georgia Safe Dams Act and Rules for Dam Safety as applicable.

(b) Natural Resources Inventory: Site reconnaissance and surveying techniques shall be used to complete a thorough assessment of existing natural resources, both terrestrial and aquatic, found on the site. Resources to be identified, mapped, and shown on the Stormwater Management Plan ~~(Section [Y] XX)~~, shall include, at a minimum (as applicable):

- ~~i.~~(i) Topography (minimum of 2-foot contours recommended) and Steep Slopes (i.e., Areas with Slopes Greater Than 15%)
- ~~ii.~~(ii) Natural Drainage Divides and Patterns
- ~~iii.~~(iii) Natural Drainage Features (e.g., swales, basins, depressional areas)
- ~~iv.~~(iv) Natural feature protection and conservation areas such as wetlands, lakes, ponds, floodplains, stream buffers, drinking water wellhead protection areas and river corridors
- ~~v.~~(v) Predominant soils (including erodible soils and karst areas)
- ~~vi.~~(vi) Existing predominant vegetation including trees, high quality habitat and other existing vegetation

(c) Better Site Design Practices for Stormwater Management: Stormwater management plans shall preserve the natural drainage and natural treatment systems and reduce the generation of additional stormwater runoff and pollutants to the maximum extent practicable. Additional details can be found in the GSMM Section 2.3.

(d) Stormwater Runoff Quality/Reduction: Stormwater Runoff Quality/Reduction shall be provided by using the following:

- (i) For development with a stormwater management plan submitted before [INSERT APPLICABLE DATE], the applicant may choose either (A) Runoff Reduction or (B) Water Quality.
- (ii) For development with a stormwater management plan submitted on or after [INSERT APPLICABLE DATE], the applicant shall choose (A) Runoff Reduction and additional water quality shall not be required. ~~If~~**To the extent** (A) Runoff Reduction has been determined to be infeasible using the Practicability Policy, then (B) Water Quality shall apply for the remaining runoff from a 1.2 inch rainfall event and must be treated to remove at least 80% of the calculated average annual post-development total suspended solids (TSS) load or equivalent as defined in the GSMM.

(A) Runoff Reduction - The stormwater management system shall be designed to retain the first 1.0 inch of rainfall on the site using runoff reduction methods, to the maximum extent practicable.

(B) Water Quality – The stormwater management system shall be designed to remove at least 80% of the calculated average annual post-development

total suspended solids (TSS) load or equivalent as defined in the GSMM for runoff from a 1.2 inch rainfall event.

(iii) If a site is determined to be a hotspot as detailed in Section [Y]-5, the **[local jurisdiction]** may require the use of specific or additional components for the stormwater management system to address pollutants of concern generated by that site.

(e) Stream Channel Protection: Stream channel protection shall be provided by using all the following three approaches:

(i) 24-hour extended detention storage of the 1-year, 24-hour return frequency storm event;

(ii) Erosion prevention measures, such as energy dissipation and velocity control; and

(iii) Preservation of any applicable stream buffer.

(f) Overbank Flood Protection: Downstream overbank flood protection shall be provided by controlling the post-development peak discharge rate to the pre-development rate for the 25-year, 24-hour storm event.

(g) Extreme Flood Protection: Extreme flood protection shall be provided by controlling ~~or safely conveying~~ the 100-year, 24-hour storm event (~~denoted Q_f~~) such that flooding is not exacerbated. ~~This is accomplished either by:~~

~~(i) controlling Q_f through the stormwater management system to maintain the existing 100-year floodplain, or~~

~~(ii) sizing the onsite conveyance system to safely pass Q_f and allowing it to discharge into a receiving water whose protected floodplain is sufficiently sized to account for extreme flow increases without causing damage.~~

(h) Downstream Analysis: Due to peak flow timing and runoff volume effects, some structural components of the stormwater management system fail to reduce discharge peaks to pre-development levels downstream from the site. A downstream peak flow analysis shall be provided to the point in the watershed downstream of the site or the stormwater management system where the area of the site comprises 10% of the total drainage area in accordance with Section 3.1.9 of the GSMM. This is to help ensure that there are minimal downstream impacts from development on the site. The downstream analysis may result in the need to resize structural components of the stormwater management system or may allow the waiving of some unnecessary peak flow controls.

- (i) Stormwater Management System Inspection and Maintenance: The components of the stormwater management system that will not be dedicated to and accepted by the **[local jurisdiction]**, including all drainage facilities, best management practices, credited conservation spaces, and conveyance systems, shall have an inspection and maintenance agreement to ensure that they continue to function as designed. All new development and redevelopment sites are to prepare a comprehensive inspection and maintenance agreement for the on-site stormwater management system. This plan shall be written in accordance with the requirements in Section [Y]-16.

Section [Y]-8. ~~Pre-Consultation~~ Submittal Meeting, Stormwater Concept Plan, and Stormwater Management Plan Requirements.

- (a) Before a land development permit application is submitted, an applicant may request a pre-~~consultation~~ submittal meeting with the **[local jurisdiction]**. ~~The pre-consultation~~ submittal meeting should take place based an early step in the development process such as the site analysis and inventory (~~GSMM Section 2.4.2.4 of the GSMM~~), or the stormwater concept plan (~~GSMM Section 2.4.2.5 of the GSMM~~). The purpose of the pre-~~consultation~~ submittal meeting is to discuss opportunities, constraints, and ideas for the stormwater management system prior to formal site design engineering. To the extent applicable, local and regional watershed plans, greenspace plans, trails and greenway plans, and other resource protection plans should be consulted in the pre-~~consultation~~ submittal meeting. Applicants must request a pre-~~consultation~~ submittal meeting with the **[local jurisdiction]** when applying for a Determination of Infeasibility through the Practicability Policy.
- (b) The stormwater concept plan shall be prepared using the minimum following steps:
- (i) Develop the site layout using better site design techniques, as applicable (~~see GSMM Section 2.3~~)
 - (ii) Calculate preliminary estimates of the unified stormwater sizing criteria requirements for stormwater runoff quality/reduction, channel protection, overbank flooding protection and extreme flood protection (GSMM Section 2.2)
 - (iii) Perform screening and preliminary selection of appropriate best management practices and identification of potential siting locations (GSMM Section 4.1).
- (c) The stormwater concept plan shall contain:
- (i) Common address and legal description of the site
 - (ii) Vicinity map that includes

(iii) Existing conditions and proposed site layout mapping and plans (recommended scale of 1" = 50'), which illustrate at a minimum:

(A) Existing and proposed topography (minimum of 2-foot contours recommended),

(B) Perennial and intermittent streams,

(C) Mapping of predominant soils from USDA soil surveys,

(D) Boundaries of existing predominant vegetation and proposed limits of clearing and grading,

(E) Location and boundaries of other natural feature protection and conservation areas such as wetlands, lakes, ponds, floodplains, stream buffers and other setbacks (e.g., drinking water well setbacks, septic setbacks, etc.),

(F) Location of existing and proposed roads, buildings, parking areas and other impervious surfaces,

(G) Existing and proposed utilities (e.g., water, sewer, gas, electric) and easements,

(H) Preliminary estimates of unified stormwater sizing criteria requirements,

(I) Identification and calculation of stormwater site design credits,

(J) Preliminary selection and location, size, and limits of disturbance of proposed best management practices,

(K) Location of existing and proposed conveyance systems such as grass channels, swales, and storm drains,

(L) Flow paths,

(L) Location of floodplain/floodway limits and relationship of site to upstream and downstream properties and drainages, and

(M) Preliminary location and dimensions of proposed channel modifications, such as bridge or culvert crossings

(d) The stormwater management plan shall contain the items listed in this part and be prepared under the direct supervisory control of either a registered Professional Engineer or a registered Landscape Architect licensed in the state of Georgia. Items (iii), (iv), (v), and (vi) shall be sealed and signed by a registered Professional Engineer licensed in the state of Georgia. The overall site plan must be stamped by a design professional licensed in the State of Georgia for such purpose. (See-GSMM Section 2.4.2.7)

- (i) Natural Resources Inventory
- (ii) Stormwater Concept Plan
- (iii) Existing Conditions Hydrologic Analysis
- (iv) Post-Development Hydrologic Analysis
- (v) Stormwater Management System
- (vi) Downstream Analysis
- (vii) Erosion and Sedimentation Control Plan
- (viii) ~~Construction Sequencing~~Landscaping Plan
- (ix) ~~Landscaping Plan~~
- ~~(x)~~— Inspection and Maintenance Agreement
- ~~(ix)~~ Evidence of Acquisition of Applicable Local and Non-Local Permits
- ~~(ix)~~ Determination of Infeasibility (if applicable)

(e) For redevelopment and to the extent existing stormwater management structures are being used to meet stormwater management standards the following must also be included in the stormwater management plan for existing stormwater management structures

- (i) As-built Drawings
- (ii) Hydrology Reports
- (iii) Landscaping Plans

Section [Y]-9. Application Fee. The fee for review of any land development application shall be based on the fee structure established by the **[local jurisdiction]**, and payment shall be made prior to the issuance of any land disturbance permit or building permit for the development.

Section [Y]-10. Application Procedures. Land development applications are handled as part of the process to obtain the land disturbance permit pursuant to **[insert local ordinance reference]** or building permit **[insert local ordinance reference]**, as applicable. Prior to any person beginning

development on a site, the owner of the site shall first obtain approval in accordance with the following procedure:

- (a) File a land development application with the **[local jurisdiction]** on the **[local jurisdiction's]** form of application along the following supporting materials:
 - (i) the final stormwater management plan prepared in accordance with Section [Y]-8 (d),
 - (ii) a certification that the development will be performed in accordance with the stormwater management plan once approved,
 - (iii) a **[Preliminary Determination of Infeasibility, if applicable, prepared in accordance with the practicability policy]**, and
 - (iv) an acknowledgement that applicant has reviewed the **[local jurisdiction's]** form of inspection and maintenance agreement and that applicant agrees to sign and ~~consent to the recording of~~ record such inspection and maintenance agreement prior to final inspection.
- (b) The administrator shall inform the applicant whether the application and supporting materials are approved or disapproved.
- (c) If the application or supporting materials are disapproved, the administrator shall notify the applicant of such fact in writing. -The applicant may then revise any item not meeting the requirements hereof and resubmit the same for the administrator to again consider and either approve or disapprove.
- (d) If the application and supporting materials are approved, the **[local jurisdiction]** may issue the associated land disturbance permit or building permit, provided all other legal requirements for the issuance of such permits have been met. The stormwater management plan included in such applications becomes the approved stormwater management plan.

Section [Y]-11. Compliance with the Approved Stormwater Management Plan. All development shall be:

- (a) consistent with the approved stormwater management plan and all applicable land disturbance permit and building permit and
- (b) conducted only within the area specified in the approved stormwater management plan.

No changes may be made to an approved stormwater management plan without review and advanced written approval by the administrator.

Section [Y]-12. Inspections to Ensure Plan Compliance During Construction. Periodic inspections of the stormwater management system during construction shall be conducted by the staff of the **[local jurisdiction]** or conducted and certified by a professional engineer who has been approved by the **[local jurisdiction]**. Inspections shall use the approved stormwater management plan ~~and the construction sequencing plan~~ for establishing compliance. All inspections shall be documented with written reports that contain the following information:

- (a) The date and location of the inspection;
- (b) Whether the stormwater management system is in compliance with the approved stormwater management plan;
- (c) Variations from the approved stormwater management plan; and
- (d) Any other variations or violations of the conditions of the approved stormwater management plan.

Section [Y]-13. Final Inspection; As-Built Drawings; Delivery of Inspection and Maintenance Agreement. Upon completion of the development, the applicant is responsible for:

- (a) Certifying that the stormwater management system is functioning properly and was constructed in conformance with the approved stormwater management plan and associated hydrologic analysis,
- (b) Submitting as-built drawings showing the final design specifications for all components of the stormwater management system as certified by a professional engineer, ~~and~~
- ~~(c)~~ Submitting a final landscaping plan for the stormwater management system, and
- (d) Delivering to **[local jurisdiction]** a signed inspection and maintenance agreement ~~that has been recorded by the owner in the property record for all parcel(s) that make up the site.~~

The required certification under part (a) shall include a certification of volume, or other performance test applicable to the type of stormwater management system component, to ensure each component is functioning as designed and built according to the design specifications in the approved stormwater management plan. This certification and the required performance tests shall be performed by a qualified person and submitted to the **[local jurisdiction]** with the request for a final inspection. The **[local jurisdiction]** shall perform a final inspection with applicant to confirm applicant has fulfilled these responsibilities.

Section [Y]-14. Violations and Enforcement. Any violation of the approved stormwater management plan during construction, failure to submit as-built drawings, ~~failure to submit a final landscaping plan,~~ or failure of the final inspection shall constitute and be addressed as violations of, or failures to comply with, the underlying land disturbance permit pursuant to ~~[insert local ordinance reference]~~ or ~~pursuant to the underlying~~ building permit ~~pursuant to [insert local ordinance reference]~~. To address a violation of this Article, the ~~[local jurisdiction]~~ shall have all the powers and remedies that are available to it for other violations of building and land ~~disturbing~~ disturbance permits, including without limitation the right to issue notices and orders to ensure compliance, stop work orders, and penalties as set forth in the applicable ordinances for such permits.

Section [Y]-15. Maintenance by Owner of Stormwater Management Systems Predating Current GSMM. For any stormwater management systems approved and built based on requirements predating the current GSMM and that is not otherwise subject to an inspection and maintenance agreement, such stormwater management systems shall be maintained by the owner so that the stormwater management systems perform as they were originally designed.

Section [Y]-16. Inspection and Maintenance Agreements.

(a) The owner shall execute an inspection and maintenance agreement ~~for~~with the ~~inspection, cleaning, maintenance~~ ~~[local jurisdiction]~~ obligating the owner to inspect, clean, maintain, and repair ~~of~~ the stormwater management system ~~that shall be binding on all subsequent owners of the site; including the final landscaping plan.~~ The form of the inspection and maintenance agreement shall be the form provided by the ~~[local jurisdiction]~~. ~~After the inspection and maintenance agreement has been signed by the owner and the [local jurisdiction],~~ the owner shall promptly record such agreement at owner's cost in the property record for all parcel(s) that make up the site.

(b) The inspection and maintenance agreement shall identify by name or official title the person(s) ~~responsible~~ serving as the point of contact for carrying out the ~~inspection and maintenance. Responsibility~~ owner's obligations under the inspection and maintenance agreement. The owner shall update the point of contact from time to time as needed and upon request by the ~~[local jurisdiction]~~. Upon any sale or transfer of the site, the new owner shall notify the ~~[local jurisdiction]~~ in writing within 30 days of the name or official title of new person(s) serving as the point of contact for the ~~inspection, cleaning, maintenance, and repair of~~ new owner. Any failure of an owner to keep the point of contact up to date shall, following 30 days' notice, constitute a failure to maintain the stormwater management system, ~~unless dedicated and accepted by the [local jurisdiction], shall remain with the owner of the site and shall pass to any successor owner of the site. If portions of the site are sold or otherwise transferred, legally binding arrangements shall be made to assign the~~

(c) The inspection and maintenance agreement ~~to the appropriate~~ shall run with the land and bind all future successors ~~in title.~~ ~~The~~ of the site. If there is a future sale or transfer of only a portion of the site, then:

(i) The parties to such sale or transfer may enter into and record an assignment ~~agreements shall designate~~ agreement designating the owner responsible for each portion of the site ~~the person to be responsible for the~~ and associated obligations under the inspection and maintenance agreement. The parties shall record and provide written notice and a copy of such assignment agreement to the **[local jurisdiction]**.

~~(c) The **[local jurisdiction]**, in lieu of an inspection and maintenance agreement, may choose to accept dedication of any component of the stormwater management system for maintenance, provided such component meets all the requirements of this Article and includes adequate and perpetual access and sufficient area, by easement or otherwise, for inspection and regular maintenance.~~

(ii) In the absence of a recorded assignment agreement, all owners of the site shall be jointly and severally liable for all obligations under the inspection and maintenance agreement regardless of what portion of the site they own.

Section [Y]-17. Right of Entry for Maintenance Inspections. The terms of the inspection and maintenance agreement shall provide for the **[local jurisdiction's]** right of entry for maintenance inspections and other specified purposes. If a site was developed prior to the requirement to have an inspection and maintenance agreement or an inspection and maintenance agreement was for any reason not entered into, recorded, or has otherwise been invalidated or deemed insufficient, then the **[local jurisdiction]** shall have the right to enter and make inspections pursuant to the **[local jurisdiction's]** general provisions for property maintenance inspections pursuant to **[insert reference to ordinance adopting the International Property Maintenance Code or other local property maintenance code sections]**.

Section [Y]-18. Owner's Failure to Maintain the Stormwater Management System. The terms of the inspection and maintenance agreement shall provide for what constitutes a failure to maintain a stormwater management system and the enforcement options available to **[local jurisdiction]**. If a site was developed prior to the requirement to have an inspection and maintenance agreement or an inspection and maintenance agreement was for any reason not entered into, recorded, or has otherwise been invalidated or deemed insufficient, then:

(a) An owner's failure to maintain the stormwater management system so that it performs as it was originally designed shall constitute and be addressed as a violation of, or failure to comply with, owner's property maintenance obligations pursuant to **[insert reference to ordinance adopting the International Property Maintenance Code or other local property maintenance code sections]**; and

(b) To address such a failure to maintain the stormwater management system, the **[local jurisdiction]** shall have all the powers and remedies that are available to it for other violations of an owner's property maintenance obligations, including without limitation prosecution, penalties, abatement, and emergency measures.

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