

City of New Orleans: Stormwater Code Post-Construction

Submittal Requirements

Effective 3/14/18

Any application for a building permit that triggers Stormwater Review under the Stormwater Code, must submit the following documents prepared by a Professional Engineer or Landscape Architect, licensed to work in the State of Louisiana:

- a. Project Description.** Brief summary of existing conditions and proposed stormwater management design.
- b. Existing Site & Drainage Plan.** A site assessment detailing the current drainage conditions on the property. This shall include:
 1. Location and boundaries of all existing property lines, lot names, easements or servitudes, or other land divisions for the development site;
 2. Location and boundaries of all adjacent rights-of-way, streets, private roads, drainage rights-of-way, or other features;
 3. Existing drainage areas delineated with flow lines indicating direction of flow;
 4. All above ground and subsurface infrastructure and invert elevations, including but not limited to existing drain lines, culverts, catch basins, headwalls, manholes, and existing BMPs;
 5. Location of all existing roof and yard drains, downspouts, or other features and their connections to BMPs
 6. Existing topographic and any significant topographic features at a maximum of 1' elevation intervals. If the site is less than 2% slope, NAVD88 point elevations are required at a minimum of every 25' and at the property line.
 7. Soil conditions;
 8. All existing buildings, structures, land covers and site features, including but not limited to curb cuts, interior streets, driveways, parking and loading areas, landscaped areas, and lawns.
- c. Infiltration Test Results.** All plans shall include the results of at least one (1) infiltration test per BMP, signed and sealed by a registered professional engineer or landscape architect licensed in the State of Louisiana, conducted according to the City of New Orleans Infiltration Rate Evaluation Guidelines.

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d. Proposed Site & Drainage Plan. A detailed representation of the proposed drainage site design. This shall include:

1. Location and boundaries of all property lines, lot names, easements or servitudes, or other land divisions for the development site;
2. Location and boundaries of all adjacent rights-of-way, streets, private roads, drainage rights-of-way, or other features;
3. Proposed drainage areas delineated with flow lines indicating direction of flow;
4. All proposed above ground and subsurface infrastructure and invert elevations, including but not limited to drain lines, culverts, catch basins, headwalls, manholes, and BMPs;
5. Location of all proposed roof and yard drains, downspouts, or other features and their connections to BMPs
6. Proposed topographic and any significant topographic features at a maximum of 1' elevation intervals. If the site is less than 2% slope, NAVD88 point elevations are required at a minimum of every 25' and at the property line.
7. All proposed buildings, structures, land covers and site features, including but not limited to curb cuts, interior streets, driveways, parking and loading areas, landscaped areas, and lawns.
8. Sections and details of all proposed BMPs showing depth, dimensions, compositional layers, drainage media, overflows, connections into and out of all drainage related features.

e. Calculations. Calculations for pre and post-development runoff rate, required detention volume and capacity of BMPs, and empirically estimated pollutant load calculations completed and provided using the latest version of the City of New Orleans Green Infrastructure Calculator. If the proposed BMPs are not included in the calculator, the same calculation methods shall be used and provided in Excel format.

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- f. Implementation Methods & Cost Estimate.** The estimated and itemized cost of construction, materials and two (2) years of maintenance of all proposed stormwater BMPs, and an implementation overview including designer's specifications for construction to protect BMPs, avoid soil compaction, and prevent BMP failure.
- g. Operations & Maintenance Plan.** Site-specific operations and maintenance schedule for each BMP including routine maintenance, frequency of inspections, indications of failure, corrective actions (repair and replacement), and a sample inspection report for the site.
- h. Stormwater Pollution Prevention Plan.** Narrative and plans demonstrating appropriate erosion and sediment control during construction.
- i. Landscape Plan.** When plants, trees, or shrubs are utilized in BMP design.