

Stormwater Management Plan Checklist

| Requirement | Submitted? (Y, N, N/A) | Reviewer Comments |
|--|---------------------------|-------------------|
| Report | | |
| 1. Report clearly explains project location, topographic data sources, limits of study, and overall drainage area boundary | | |
| 2. Report identifies data sources and assumptions for drainage calculations. | | |
| 3. Verify acceptable model file is submitted; run model to verify report conclusions | | |
| Site Map | | |
| 4. Disturbed area boundary and area listed on plan sheet in acres | | |
| 5. Property lines, streets and lanes | | |
| 6. Easements shown and labeled (drainage, private, etc.) | | |
| 7. Current effective FEMA floodplains | | |
| 8. Existing and proposed stormwater infrastructure and outfall locations | | |
| 9. Existing and proposed structures | | |
| 10. Existing and proposed grading | | |
| Drainage Area Maps | | |
| 11. Drainage area maps for existing and proposed site conditions | | |
| 12. Existing and proposed contours clearly shown on drainage area map and extend beyond boundaries to show impacts to proposed site. | | |
| 13. Stream reaches are clearly identified | | |
| 14. Soils map | | |
| 15. Existing & proposed conditions land use maps with impervious areas hatched; impervious & pervious areas summarized in a table | | |
| 16. Drainage areas clearly identified time of concentration and curve numbers displayed, appropriate acreage shown | | |
| 17. Longest flow paths are defined | | |

Stormwater Management Plan Checklist (cont.)

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|---|---------------------------|-------------------|
| <i>Runoff Calculations</i> | | |
| 18. Existing and Proposed conditions runoff rates using a City approved hydrograph method | | |
| 19. Run event simulations for the 2-, 10-, and 100-year, 24-hour storm events based on fully urbanized conditions | | |
| 20. Show calculations for weighted curve number and impervious area calculations. Make consistent with soils & land use layers shown on Drainage Area Maps | | |
| <i>Inlet and Pipe Size Calculations</i> | | |
| 21. Storm drain pipes and inlets designed for the 10-year storm with 100-year overflow | | |
| <i>Downstream Assessment</i> | | |
| 22. Detain to existing conditions for sites less than 20-acres, or prepare downstream assessment | | |
| 23. Show no adverse impacts for downstream conditions; no increase in water surface elevations greater than 0.1' unless contained within a drainage easement, channel, roadway, or right-of-way | | |
| 24. Post development channel velocities not increased by more than 5% | | |
| 25. Downstream assessment extends downstream to the effective limits as defined by the drainage manual | | |
| 26. No concentration of flows or change in drainage patterns that could result in flooding or erosion | | |