

Development Name:		Date Received:	
Planning Number:		Date Due:	
Review Number:		Date Reviewed:	
Consultant:		Reviewer:	
Planner:			

**Watershed Management Checklist for Development Plan Review
Floodplain and Stormwater Information**

Site Location	YES	NO	N/A
Watershed Master Plan Basin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
“New Growth Area” (as defined by the flood standards)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

General Drainage	YES	NO	N/A
Stream which drains more than 150 acres or has a defined bed and bank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sumps in development have a dedicated overland flow path for the 100 year storm event	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flow direction arrows are shown on lot lines with less than a 2% slope	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Detention	YES	NO	N/A
Drainage areas for detention calculations shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Curve number calculations shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time of concentration calculations shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pre-development and Post-development 2, 10, and 100 year stormwater flows shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Post-development stormwater flow rates are not greater than pre-development stormwater flow rates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A detail of the outlet structure is included with elevations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dry detention areas have a minimum 2% slope along the bottom of the pond.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Detention embankments have 4:1 slope or flatter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Detention embankments have a minimum 14 foot top width	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Detention areas have maintenance access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Stormwater Pipe System	YES	NO	N/A
Drainage areas shown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Appropriate coefficients are assigned	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Appropriate design storm (5 or 10 year) used	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The 100 year storm calculations are included to show that the 100 year storm is contained within the public ROW.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If connecting to an existing pipe system an appropriate investigation was done to determine the capacity of the existing system.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Minimum Opening Elevations	YES	NO	N/A
Minimum opening elevations above the 100 year storm elevation are shown for all lots adjacent to detention areas, streams, swales, and/or overland flow paths.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Minimum Flood Corridors	YES	NO	N/A
Easement dedicated for all streams which drain more than 150 acres or have a defined bed and bank (except for corridors in the FEMA floodplain in "Existing Urban Area")	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sequencing documentation provided for encroachments into minimum flood corridors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

All Urban Area Floodplain/Floodprone Areas	YES	NO	N/A
FEMA floodplain and/or floodprone areas are shown on the grading and drainage plan and the site plan.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FEMA floodway shown on the grading and drainage plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FEMA cross sections are shown on grading and drainage plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lowest finished floor elevations above the 100 year flood elevation are shown for lots in or adjacent to the 100 year floodplain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All lots, except outlots, are shown out of the floodplain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

New Growth Area Floodplain	YES	NO	N/A
Areas and amounts of compensatory storage are shown on the plan.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic analysis showing no net rise included with the drainage study	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If within a master planned basin, No Net Rise for the 2, 10 and 100 year storm events.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All information required by Sec. 10.5 of the Flood Design Criteria are provided.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic analysis with sequencing approach included in the drainage study for all stream crossing structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Appropriate mitigation shown for rise caused by stream crossing structures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Post Construction Water Quality Standards	YES	NO	N/A
Water Quality Control Form	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calculations and Plans Provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Maintenance Form	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Maintenance Agreement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>