

## DRAINAGE STUDY CHECKLIST

### PROJECT INFORMATION

PROJECT INFORMATION	
<b>PROJECT NAME</b>	
<b>LOCATION</b>	
<b>PROJECT DESCRIPTION</b>	

### HYDROLOGIC ANALYSIS

HYDROLOGIC ANALYSIS		
	YES	NO
Is there a drainage area map at an appropriate scale?	<input type="checkbox"/>	<input type="checkbox"/>
Is each subbasin area delineated and uniquely labeled in a consistent manner on the Drainage Area Map?	<input type="checkbox"/>	<input type="checkbox"/>
Is a flow diagram included on the Drainage Area Map?	<input type="checkbox"/>	<input type="checkbox"/>
Is a subbasin summary table included showing parameters such as subbasin area, land use, hydrologic soil group, curve number, time of concentration, etc.?	<input type="checkbox"/>	<input type="checkbox"/>
Are the methodologies, including computer models, used for the analysis described?	<input type="checkbox"/>	<input type="checkbox"/>
Are any assumptions made during analysis documented and justified?	<input type="checkbox"/>	<input type="checkbox"/>
Are both existing and proposed conditions analyzed?	<input type="checkbox"/>	<input type="checkbox"/>
Are detailed subbasin calculations for curve numbers and times of concentration included?	<input type="checkbox"/>	<input type="checkbox"/>
Is a summary table of hydrologic analysis results included?	<input type="checkbox"/>	<input type="checkbox"/>

### HYDRAULIC ANALYSIS

HYDRAULIC ANALYSIS		
	YES	NO
Are design criteria for conveyance systems described?	<input type="checkbox"/>	<input type="checkbox"/>
Is a channel reach summary table included showing Manning's n numbers, slope, length, etc.?	<input type="checkbox"/>	<input type="checkbox"/>
Are the diameter, length, slope, and construction material of pipe systems specified?	<input type="checkbox"/>	<input type="checkbox"/>
Are detailed plans for outlet structures, including erosion control at each structure, included?	<input type="checkbox"/>	<input type="checkbox"/>
Are the methodologies, including computer models, used for analysis described?	<input type="checkbox"/>	<input type="checkbox"/>
Are conveyance systems clearly marked on a site map?	<input type="checkbox"/>	<input type="checkbox"/>
Are any assumptions made during analysis documented and justified?	<input type="checkbox"/>	<input type="checkbox"/>
Is a summary table of release rates included?	<input type="checkbox"/>	<input type="checkbox"/>

# PAPILLION CREEK WATERSHED PARTNERSHIP



ORDINANCE REQUIREMENTS		
	YES	NO
Has the first ½" of stormwater runoff been treated on-site?	<input type="checkbox"/>	<input type="checkbox"/>
If a detention basin is being used for the first ½", is an emergency spillway/overflow identified and adequately protected from erosion?	<input type="checkbox"/>	<input type="checkbox"/>
Is the project located in a CSO area?	<input type="checkbox"/>	<input type="checkbox"/>
If in a CSO area, is a no net increase in stormwater runoff shown?	<input type="checkbox"/>	<input type="checkbox"/>
Has a post construction stormwater management plan been completed?	<input type="checkbox"/>	<input type="checkbox"/>
Has a construction erosion control plan been developed?	<input type="checkbox"/>	<input type="checkbox"/>
Has a Construction Stormwater NOI been filed with NDEQ?	<input type="checkbox"/>	<input type="checkbox"/>
Has a construction SWPPP been prepared?	<input type="checkbox"/>	<input type="checkbox"/>
Are stream setbacks shown on a site map?	<input type="checkbox"/>	<input type="checkbox"/>
Are any areas of the site in a designated floodplain?	<input type="checkbox"/>	<input type="checkbox"/>
If a designated floodplain is present, is this shown on a site map?	<input type="checkbox"/>	<input type="checkbox"/>