



City of Bastrop, Texas

Conceptual Drainage Plan Checklist

Planning Department • 1311 Chestnut Street • 512-332-8840

APPLICANT:		OFFICIAL USE ONLY		
Included in Submittal	Bastrop Ordinance 2019-36 – Stormwater Drainage Design Manual – Appendix A requires:		Meets Standard	Does Not Meet Standard
	A.	Conceptual Drainage Site Plan		
		The conceptual drainage site plan shall be submitted at the time of Concept Plan submittal at the same scale as the Concept Plan, preferably one inch is equal to fifty feet (1"=50') and shall include:		
	1.	Project Description.		
	1a.	Address and legal description of site.		
	1b.	Vicinity map.		
	1c.	Land use.		
	2.	Existing Conditions.		
	2a.	Copy of applicable digital orthophotos showing the proposed boundaries.		
	2b.	A topographic map of existing site conditions (no greater than two-foot (2') contour interval with drainage basin boundaries indicated and project boundaries shown at the same scale as the Sketch Plat.		
	3.	Total area size of development in acres.		
	4.	Total impervious area as a percentage (%) of total area.		
	5.	Benchmarks used for site control.		
	6.	Perennial and intermittent streams.		
	7.	Map of predominant soils from USDA soil surveys.		
	8.	Boundaries of existing predominant vegetation.		
	9.	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.		
	10.	Location of existing roads, buildings, parking areas and other impervious surfaces.		
	11.	Existing utilities (e.g., water, sewer, gas, electric) and easements.		
	12.	Location of existing drainage conveyance systems such as grass channels, swales, and storm drains.		
	13.	Flow paths.		
	14.	Location of floodplain/floodway limits and relationship of site to upstream and downstream properties and drainage systems.		
	15.	Location and dimensions of existing channels, bridges or culvert crossings.		
	B.	Conceptual Site Layout		
	1.	Hydrologic analysis to determine conceptual runoff rates, volumes, and velocities to support selection of stormwater controls.		
	2.	Conceptual site design identifying integrated site design practices used.		
	3.	Conceptual estimates of the three-storm design approach requirements (i.e. 2-year, 25-year and 100-year 24-hour storms)		
	4.	Conceptual selection, location and size of proposed structural stormwater controls.		
	5.	Conceptual limits of proposed grading and clearing.		
	6.	Total proposed impervious area, as a percentage of total area.		