



WICHITA

J. Location of existing utilities (e.g., water, sewer, gas, electric) and easements	X			
K. Location of existing conveyance systems such as storm drains, inlets, catch basins, channels, swales, and areas of overland flow	X			
L. Flow paths	X			
M. Location and dimensions of existing channels, bridges or culvert crossings	X			
N. Existing conditions hydrologic analysis for runoff rates, volumes and velocities showing methodologies used and supporting calculations (2, 5, 10, 25 & 100 year, 24-hour storm events) or Critical Duration		X	Only shown 2, 5, 100 on plans	
O. Assumed pre-developed runoff curve numbers	X			
P. Existing time of concentrations used in calculations	X			
Q. Evaluate immediate downstream drainage capacity, not to exceed more than 0.25 miles downstream of site	X			
R. Existing structural elevations (e.g., invert of pipes, manholes, etc.)	X			
S. Cross-section data for open channels	X			
T. Ground water elevations, if applicable		X	NA	

Tab 3. Post-Development Hydrologic Analysis	Applicant			Engr	
	I	NA	Explanation / Location in Plan	I	NA
A. Proposed (post-development) conditions hydrologic and hydraulic analysis for runoff rates, volumes, HGL, and velocities showing the methodologies used and supporting calculations for all applicable design storms (2, 5, 10, 25 & 100 year, 24-hour storm events)		X	Only 2, 5, 100 No detention provided, small size		
B. Proposed time of concentrations used in calculations	X				
C. Assumed post-developed runoff curve numbers	X				
D. Proposed contours for detention facilities (to equal area used in outlet rating curves)		X	No detention facilities		
E. Preliminary sizing calculations for stormwater controls including contributing drainage area, storage, and outlet configuration	X				
F. Stage-storage-discharge or outlet rating curves and inflow and outflow hydrographs for storage facilities		X	No detention facilities		
G. Final analysis of potential upstream/downstream impact/effects of project, where necessary	X				
H. Dam safety analysis, where necessary		X			
I. Existing and proposed structural elevations (e.g., invert of pipes, manholes, etc.)	X				
J. Design water surface elevations and normal pool elevation for ponds.		X			
K. Typical detail for outlet structures, embankments, spillways, grade control structures, conveyance channels, etc. To include height, width, elevation, and/or diameter.	X				
L. Proposed limits of clearing and grading	X				
M. Location of existing and proposed roads, buildings, parking lots and other impervious areas.	X				
N. Location of existing and proposed utilities (e.g., water, sewer) and easements		X	See Util Plan		
O. Location of existing and proposed conveyance systems such as storm drains, inlets, catch basins, channels, swales, and areas of overland flow	X				
P. Preliminary location and dimensions of proposed channel modifications, such as bridge or culvert crossings	X				