



DRAINAGE DATA

* Drainage Area	4.0 Sq. Mi.
Design Frequency	100 Years
** Design Discharge (Q ₁₀₀)	4,307 cfs
Design High Water Elevation	1301.71 Ft.
Design Backwater	N/A Ft.
Design Backwater Elevation	1302.22 Ft.
Overtopping Elevation (Sta. N/A)	N/A Ft.
Overtopping Discharge	N/A cfs
Overtopping Frequency	>500 Years
** Discharge at Q ₁₀₀	4,307 cfs
Backwater at Q ₁₀₀	N/A Ft.
Backwater Elevation at Q ₁₀₀	1302.22 Ft.
Historic High Water Elevation	N/A Ft.
Ordinary High Water Elevation	1295 Ft.
Total Waterway Provided	1,863 Sq. Ft.
Design Waterway Provided	775 Sq. Ft.
100 Yr. Floodplain Elev. (FEMA)	5.6 fps
Average Velocity at Q _{des}	5.6 fps
Average Velocity at Q ₁₀₀	5.6 fps
* Drainage Area for Brookhaven Creek	
** Discharge is controlled and published by FEMA	

PLAN

CITY OF WICHITA
**NORTH FRONTAGE ROAD OVER BROOKHAVEN CREEK
 CONSTRUCTION LAYOUT I**
 BR. NO. STA. 2728+49.61

10:52:23 AM
 2/9/2011
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 SURV. - PLOT CADD DES. - DR. - TR. - CKD. - APP.