



DRAINAGE DATA

* Drainage Area	8.4 Sq. Mi.
Design Frequency	100 Years
* Design Discharge (Q ₁₀₀)	6,895 cfs
Design High Water Elevation	1299.34 Ft.
Design Backwater	N/A Ft.
Design Backwater Elevation	1299.74 Ft.
Overtopping Elevation (Sta. N/A)	N/A Ft.
Overtopping Discharge	N/A cfs
Overtopping Frequency	>500 Years
* Discharge at Q ₁₀₀	6,895 cfs
Backwater at Q ₁₀₀	N/A Ft.
Backwater Elevation at Q ₁₀₀	1299.74 Ft.
Historic High Water Elevation	N/A Ft.
Ordinary High Water Elevation	1292.0 Ft.
Total Waterway Provided	1586 Sq. Ft.
Design Waterway Provided	1154 Sq. Ft.
100 Yr. Floodplain Elev. (FEMA)	
Average Velocity at Q _{des}	5.9 fps
Average Velocity at Q ₁₀₀	5.9 fps
* Drainage Area for Fourmile Creek	
* Discharge is controlled and published by FEMA	

PLAN

CITY OF WICHITA
**NORTH FRONTAGE ROAD OVER FOURMILE CREEK
 CONSTRUCTION LAYOUT I**

BR. NO. _____ STA. 2720+66.14

I:\42\25 AM
 2/9/2011
 T:\35766A\Cadd\Sheets\Structures\Bridge\4Mile\NFR\EX2FMNFC1\01.dgn
 SURV. PLOT CADD DES. DR. TR. CKD. APP.