

DRAINAGE & UTILITY PLAN

COTTONWOOD VILLAGE EIGHTH

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

Drainage Area	AREA ACRES	AREA ACRES	C ₂	C ₁₀₀	T ₆	T ₂	T ₁₀₀	Q ₂	Q ₁₀₀	Pipe Size	Pipe Slope	Inlets
COTTONWOOD VILLAGE EIGHTH												
S.E. Area of Cottonwood Village 8th												
Sub Area 1 of Cottonwood												
Residential Single Family	3.14		0.57	0.79	17.6	3.55	104.95	6.4	17.1			
Inlet												
Sub Area 2 of Cottonwood												
Residential Single Family	1.42		0.57	0.79	15	3.83	7.37	3.1	8.3	21" RCP	0.35%	1 Lx10"
Inlet												
Sub Area 3 of Cottonwood												
Residential Single Family	4.56		0.57	0.79	17.6	3.57	6.94	9.3	25.0	27" RCP	0.35%	2 Lx10"
Inlet												
S.W. Area of Cottonwood Village 8th												
Sub Area 4 of Cottonwood												
Residential Single Family	1.55		0.57	0.79	15	3.83	7.37	3.4	9.0	42" RCP	0.35%	2 Lx10"
Inlet												
Total Line 1	10.67		0.57	0.79	17.6	3.55	6.90	21.6	58.2			
S.W. Backward Area of Cottonwood Village 8th												
Sub Area 5 of Cottonwood												
Residential Single Family	1.44		0.57	0.79	15	3.83	7.37	3.1	8.4			
Inlet												
S.W. Backward Area of Cottonwood Village 8th												
Sub Area 6 of Cottonwood												
Residential Single Family	1.47		0.57	0.79	15	3.83	7.37	3.2	8.6			
Inlet												

