

# DRAINAGE PLAN NORTHRIDGE ADDITION WICHITA, SEDGWICK COUNTY, KANSAS

0 100 200

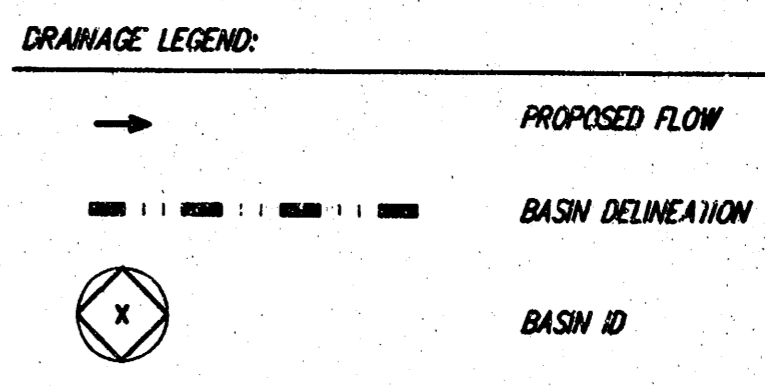
DATE OF PREPARATION: NOVEMBER 18, 2002

(M) = MEASURED  
(P) = PLATTED  
(D) = DESCRIBED  
(C) = CALCULATED  
(C-D) = CALCULATED PER DESCRIBED INFO.

- = #4 REBAR W/ "BAUGHMAN" CAP (SET)
- △ = #4 REBAR W/ "BAUGHMAN" CAP (FOUND)
- = #4 REBAR W/ "3/4\" IN\" CAP (FOUND)
- = RAILROAD SPIKE (FOUND)
- ⊗ = CHISELED CROSS (FOUND)
- = 1\" IRON (FOUND)
- ⊗ = 3/4\" IRON (FOUND)
- = #5 REBAR (FOUND)
- ⊗ = #4 REBAR (FOUND)

MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING TO THE STRUCTURES			
LOT(S)	BLOCK	ELEVATION	
		CITY DATUM	NGVD
1-10	C	145.6	1333.0
11-15	C	146.1	1333.5
3	D	145.6	1333.0
1,4-6	B	146.1	1333.5

**BENCHMARK:**  
 "□" on hubguard of R.C.B.C. 73' west of SE Cor., SE 1/4, Sec. 28, Twp. 26-S, R-1-W.  
 Elev. = 1331.52 NGVD29  
 Elev. = 144.12 City Datum



**Northridge Addition - Rational Method - Q = CIA - tc = 15 min.**

Basin	Area	C <sub>1</sub>	C <sub>2</sub>	C <sub>100</sub>	Q <sub>2</sub> (cfs)	Q <sub>5</sub> (cfs)	Q <sub>100</sub> (cfs)
1	3.00	0.48	0.51	0.68	5.5	7.0	15.0
2	0.54	0.48	0.51	0.68	1.0	1.3	2.7
3	5.48	0.48	0.51	0.68	10.1	12.7	27.5
4	1.06	0.48	0.51	0.68	1.9	2.5	5.3
5	0.54	0.48	0.51	0.68	1.0	1.3	2.7
6	0.52	0.48	0.51	0.68	1.0	1.2	2.6
7	0.93	0.48	0.51	0.68	1.7	2.2	4.7
8	0.64	0.48	0.51	0.68	1.2	1.5	3.2
9	0.80	0.48	0.51	0.68	1.1	1.4	3.0
10	1.09	0.48	0.51	0.68	2.0	2.5	5.5
11	0.79	0.48	0.51	0.68	1.5	1.8	4.0
12	0.99	0.48	0.51	0.68	1.8	2.3	5.0
13	1.02	0.48	0.51	0.68	1.9	2.4	5.1
14	1.30	0.48	0.51	0.68	2.4	3.0	6.5
15	0.72	0.48	0.51	0.68	1.3	1.7	3.6
16	0.76	0.48	0.51	0.68	1.4	1.8	3.8
17	0.49	0.48	0.51	0.68	0.9	1.1	2.5
18	0.75	0.48	0.51	0.68	1.4	1.7	3.8

Off-site Drainage  
 C<sub>1</sub> = 24.0 ac.  
 C<sub>2</sub> = 40  
 T<sub>c</sub> = 22 min.  
 Q<sub>2</sub> = 31 cfs  
 Q<sub>5</sub> = 38 cfs  
 Q<sub>100</sub> = 62 cfs

Sizes May Vary Depending on the Flow Rate From the Prop. Subdivisor West of this Site.

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