DRAINAGE PLAN
AUBURN HILLS 14TH ADDITION
WICHITA, SEDGWICK COUNTY, KANSAS

Basin ID	Area acres	Runoff Coefficients C2	C5	C100	Peak Flowrates Q2 cfs	Q5 cfs	Q100 cfs
1	1.6	0.46	0.49	0.70	2.8	3.6	8.3
2	3.1	0.46	0.49	0.70	5.5	6.9	16.0
3	1.8	0.46	0.49	0.70	3.2	4.0	9.3
4	2.2	0.46	0.49	0.70	3.9	4.9	11.3
5	1.9	0.46	0.49	0.70	3.3	4.2	9.8
6	2.1	0.46	0.49	0.70	3.7	4.7	10.8
7	3.4	0.46	0.49	0.70	6.0	7.6	17.5
8	0.8	0.46	0.49	0.70	1.4	1.8	4.1
9	2.3	0.46	0.49	0.70	4.1	5.1	11.9
10	2.6	0.46	0.49	0.70	4.6	5.8	13.4
11	0.8	0.46	0.49	0.70	1.4	1.8	4.1
12	0.8	0.46	0.49	0.70	1.4	1.8	4.1
13	0.8	0.46	0.49	0.70	1.4	1.8	4.1
14	1.0	0.46	0.49	0.70	1.8	2.2	5.2
15	0.7	0.46	0.49	0.70	1.2	1.6	3.6
16	0.5	0.46	0.49	0.70	0.9	1.1	2.6
17	0.2	0.46	0.49	0.70	0.4	0.4	1.0
18	0.7	0.46	0.49	0.70	1.2	1.6	3.6
19	1.5	0.46	0.49	0.70	2.6	3.4	7.7
20	0.6	0.46	0.49	0.70	1.1	1.3	3.1
21	1.5	0.68	0.70	0.82	3.9	4.8	9
22	1.4	0.46	0.49	0.70	2.5	3.1	7.2
23	2.1	0.46	0.49	0.70	3.7	4.7	10.8
24	1.6	0.46	0.49	0.70	2.8	3.6	8.3
25	2.1	0.46	0.49	0.70	3.7	4.7	10.8
26	1.8	0.46	0.49	0.70	3.2	4.0	9.3

0 100 200

MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING TO THE STRUCTURES		
LOT	BLOCK	ELEVATION CITY DATUM
1-5	D	172.8

Existing Pond
Static WS Elev. = 163.0
100-yr WS Elev. = 166.0

Exisiting Pond
Static WS Elev. = 165.0
100-yr WS Elev. = 171.8

On-site Flow
DA = 90 acres
Tc = 45 min.
Q2 = 39 cfs
Q100 = 325 cfs

WATER ELEVATION
176.4

NW COR. NE1/4, SEC. 26, TWP. 27 S, R-2-W

AUBURN HILLS ADDITION
ZONED "SF-6"
CLUBHOUSE
NINEIRON
NINEIRON CT.
TAFT ST.
RESERVE "B"
RESERVE "A"
DECKER ST.
CITY VIEW STREET
VALLEY HI ROAD
ONEWOOD PLACE
ONEWOOD PL.
ONEWOOD
ZONED "SF-5"
ZONED "SF-20"
SETBACK
BLDG.
20' DRNG. & UTIL. ESM'T.
15' STREET DRNG. & UTIL. ESM'T.
10' UTIL. ESM'T.
15' BLDG. SETBACK
25' BLDG. S.B.
15' BLDG. S.B.

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14901 W. MAPLE
WICHITA, KS 67235

BERM, LLC
12602 W. 13TH ST.
WICHITA, KS

This plat is a re-plat of the Auburn Hills 12th Addition. The primary infrastructure has already been constructed. This includes the streets, stormwater sewers, sanitary sewers, and mass grading of the site. No alterations are proposed at this time. Please refer to the Auburn Hills 12th Addition Drainage Plan for detailed calculations of the drainage systems.
Stormwater Sewers were built according to:
City of Wichita, Project Number 468-83180, Stormwater Sewer #544
& City of Wichita, Project Number 468-83181, Stormwater Sewer #545

25 MARCH 2003

BAUGHMAN COMPANY P. A.
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