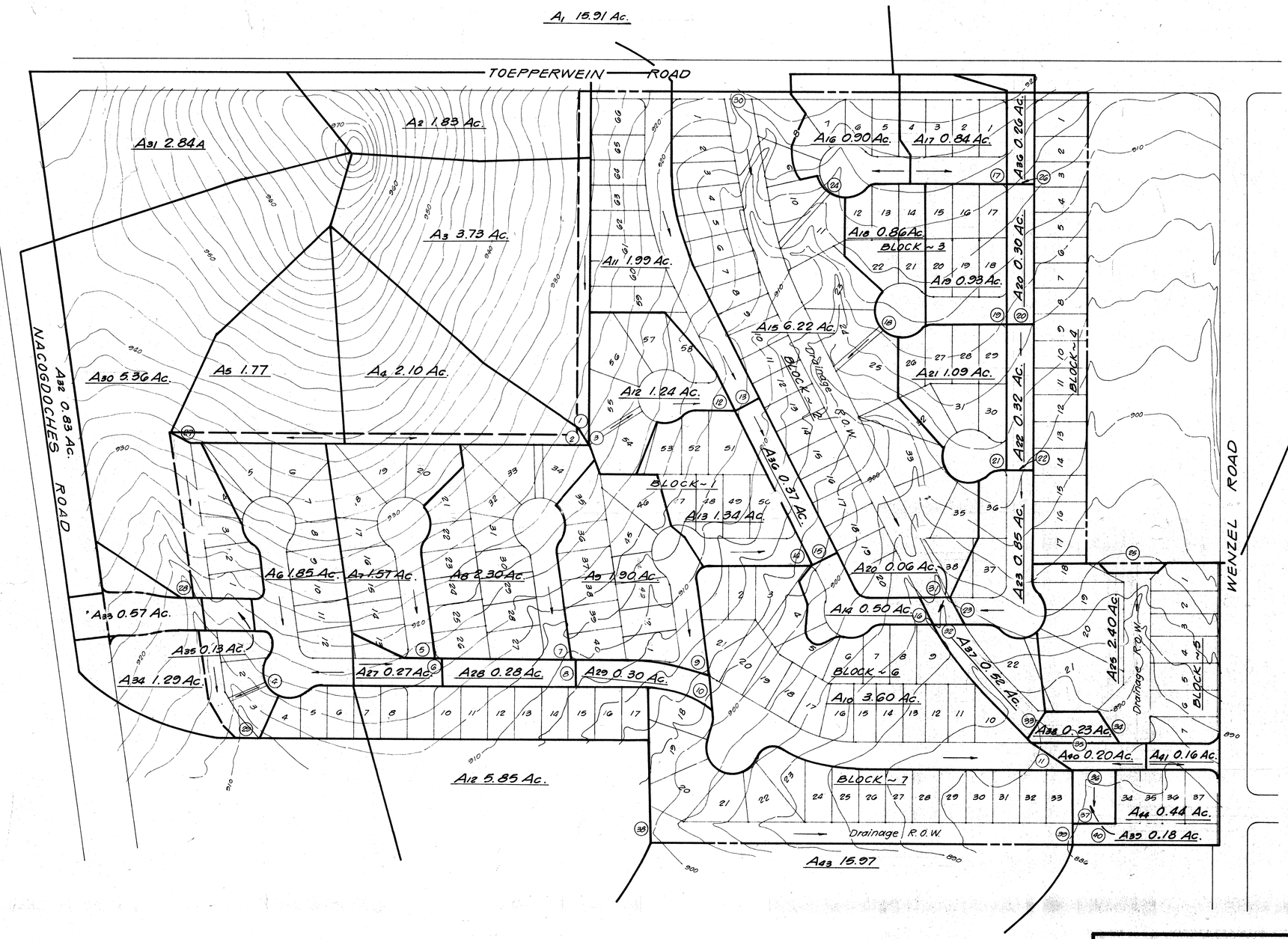

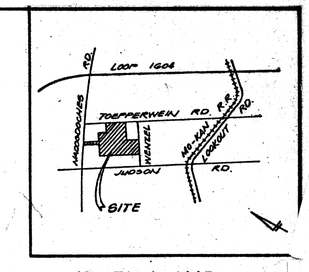

LOCATION MAP

POINT	AREA (Acres) INCREMENT	AREA (Acres) TOTAL	TC Min.	I (in/hr)	C	Q C.F.S.	FREQ. Yrs.
1	$A_2 = 1.83$ $A_3 = 3.73$	$A_2 + A_3 = 5.56$	23	5.40	0.95	28.76	25
2	$A_4 = 2.10$	$A_4 = 2.10$	22	5.50	0.95	11.06	25
3	$A_2 \rightarrow A_4$	7.66	23	5.4	0.95	39.62	25
4	$A_6 = 1.85$	1.85	21	4.13	0.69	5.31	5
4	$A_6 = 1.85$	1.85	21	5.60	0.69	7.21	25
5	$A_7 = 1.54$	1.54	21	4.13	0.69	4.42	5
6	$A_{27} = 0.27$	$A_6 + A_{27} = 1.81$	21	4.13	0.69	5.20	5
7	$A_8 = 2.30$	$A_8 = 2.30$	21	4.13	0.69	6.61	5
8	$A_{28} = 0.28$	$A_7 + A_8 + A_{27} + A_{28} = 2.39$	22	4.05	0.69	6.66	5
9	$A_9 = 1.90$	1.90	21	4.13	0.69	5.46	5
10	$A_{29} = 0.30$	$A_7 + A_8 + A_{27} + A_{29} = 2.69$	23	5.05	0.69	9.38	5
11	$A_{10} = 3.60$	$A_7 + A_8 + A_{27} + A_{29} + A_{10} = 6.29$	24	5.00	0.69	21.64	5
12	$A_{12} = 1.24$	$A_2 \rightarrow A_{12} = 8.90$	24	5.30	0.91	43.28	25
13	$A_{11} = 1.99$	1.99	22	4.05	0.69	5.61	5
14	$A_{13} = 1.34$	1.34	21	4.13	.69	3.85	5
15	$A_{15} = 6.37$	$A_2 \rightarrow A_4 + A_6 \rightarrow A_{13} + A_{29} + A_{12} = 29.60$	24	5.30	0.85	57.02	25
16	$A_{14} = 0.50$	$A_{14} + A_{15} + A_{16} = 18.16$	25	5.20	0.84	57.70	25
17	$A_{17} = 0.84$	0.84	21	4.13	0.69	2.41	5
18	$A_{18} = 0.86$	0.86	21	4.13	0.69	2.47	5
18	$A_{18} = 0.86$	0.86	21	5.60	.69	3.35	25
19	$A_{19} = 0.93$	0.93	21	4.13	0.69	2.67	5
20	$A_{20} = 0.35$ $A_{36} = 0.20$	$A_{17} + A_{18} + A_{20} + A_{36} = 2.38$	22	4.05	0.69	6.56	5
21	$A_{21} = 1.09$	1.09	21	4.13	0.69	3.13	5
22	$A_{22} = 0.32$	$A_{17} + A_{18} + A_{19} + A_{22} = 3.26$	23	5.05	0.69	10.27	5
23	$A_{23} = 0.85$	$A_{17} + A_{18} + A_{19} + A_{23} = 3.50$	24	5.00	0.69	12.25	5
22	$A_{16} = 0.90$	0.90	21	4.13	0.69	2.58	5
24	$A_{16} = 0.90$	0.90	21	5.60	0.69	3.50	25
25	$A_{26} = 31.68$	31.68	26	6.10	0.91	148.25	25
25	$A_{26} = 31.68$	31.68	26	6.20	0.91	180.23	100
26	$A_{36} = 0.26$	0.26	21	4.13	0.69	0.74	5
27	$A_5 = 1.77$	1.77	22	5.50	0.95	9.32	25
28	$A_{30} = 5.36$	$A_5 + A_{30} = 7.13$	23	5.40	0.95	36.88	5
28	$A_{30} = 5.36$	$A_5 + A_{30} = 7.13$	23	6.53	0.95	44.60	100
29	$A_{32} = 0.83$ $A_{31} = 2.84$	$A_{32} + A_{30} + A_{31} = 11.80$ $A_{35} + A_{34} + A_{33} = 1.80$	24	5.30	0.91	57.37	25
30	$A_1 = 15.91$	15.91	23	5.40	0.96	83.16	25
31	$A_1 = 15.91$	15.91	23	6.53	0.96	100.56	100
31	$A_{16} = 6.22$	$A_{14} + A_{15} + A_{16} + A_{18} = 23.85$	26	5.10	0.87	106.88	25
31	$A_{15} = 6.22$	23.85	26	6.20	0.87	129.26	100
32	$A_{22} = 0.06$	$A_1 + A_2 + A_{14} + A_{18} + A_{20} + A_{21} + A_{39} = 27.75$	24	5.30	0.80	75.88	25
33	$A_{37} = 0.52$	$A_1 + A_2 + A_{14} + A_{18} + A_{20} + A_{21} + A_{37} = 42.18$	27	5.00	0.83	176.42	25
33	$A_{37} = 0.52$	42.18	27	6.10	0.83	215.23	100
34	$A_{25} = 2.40$	$A_{25} + A_{26} = 34.08$	26	5.10	0.90	157.73	25
34	$A_{25} = 2.40$	34.08	26	6.20	0.90	191.76	100
35	$A_{38} = 0.23$	$A_{PT.33} + A_{PT.34} = 76.47$	27	5.00	0.86	331.56	25
35	$A_{38} = 0.23$	76.47	27	6.10	0.86	404.60	100
36	$A_{40} = 0.20$	$A_{PT.11} + A_{40} = 10.39$	24	5.30	0.69	28.18	5
36	$A_{40} = 0.20$	10.39	25	5.20	0.69	37.28	25
37	$A_{39} = 0.18$	$A_{PT.33} + A_{PT.34} = 86.86$	27	5.00	0.84	367.73	25
37	$A_{39} = 0.18$	86.86	27	6.10	0.84	445.63	100
38	$A_{42} = 5.85$	5.85	22	5.50	0.65	22.38	25
39	$A_{43} = 15.97$	$A_{42} + A_{43} = 21.82$	24	5.30	0.72	83.95	25
40	$A_{44} = 0.44$	$A_{PT.37} + A_{PT.39} + A_{44} = 102.12$	27	5.00	0.81	445.47	25
40	$A_{44} = 0.44$	102.12	27	6.10	0.81	543.47	100

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FALCON RIDGE SUBDIVISION UNIT ~ 1
DRAINAGE PLAN

DRAWN J.L.C. | CHECKED
REVISIONS

DATE JUNE, 1983

Pape - Dawson
CONSULTING ENGINEERS
SAN ANTONIO, TEXAS

JOB NO. 1906-00 | SHEET 1 OF 10

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REVISIONS:

PAPE-DAWSON ENGINEERS
CIVIL & ENVIRONMENTAL
9310 BROADWAY SAN ANTONIO, TEXAS 78217 512-824-9494

JOB NO. 1918-00
DATE SEPT. 1993
DRAWN
SHEET 2 OF 16