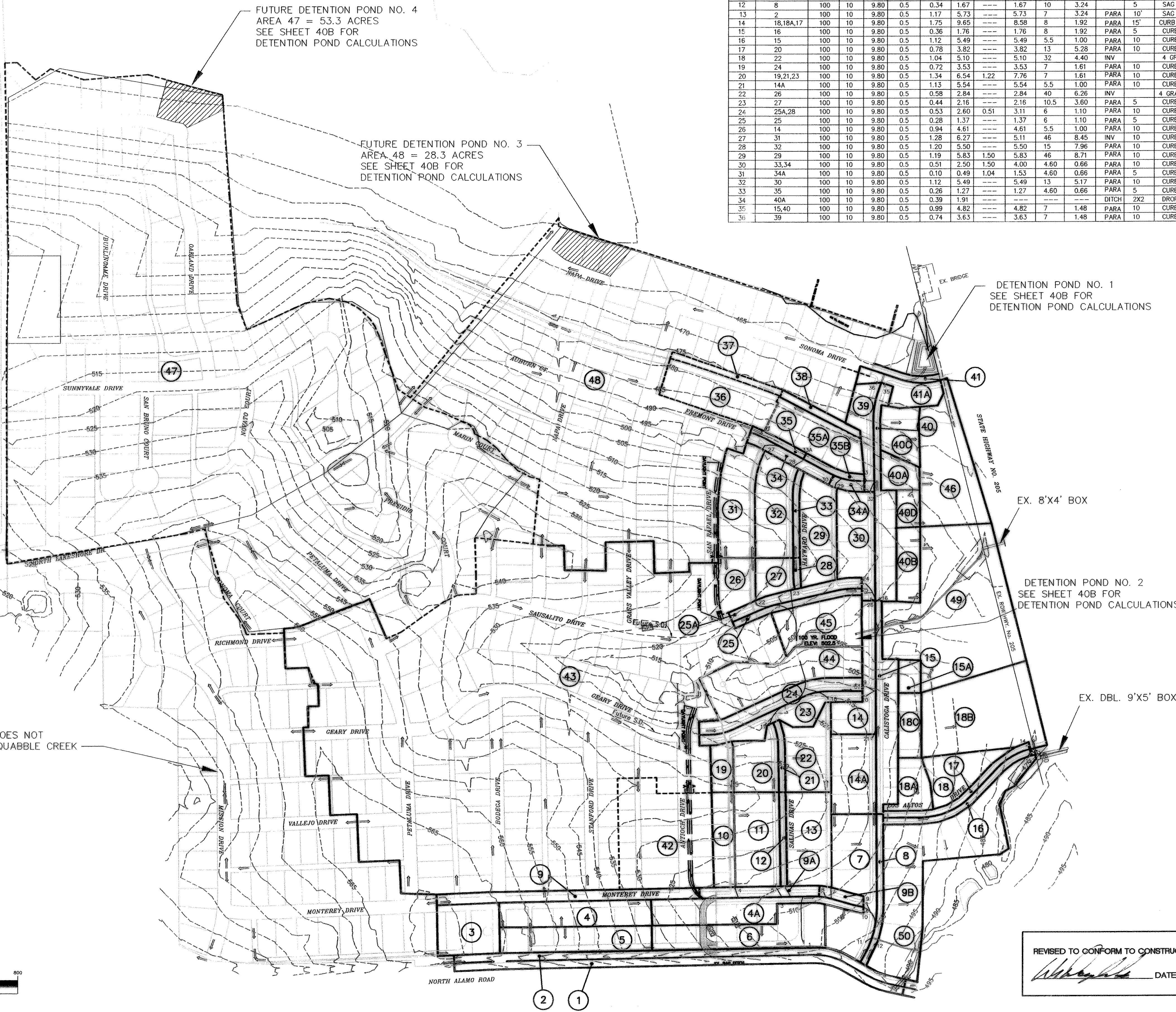
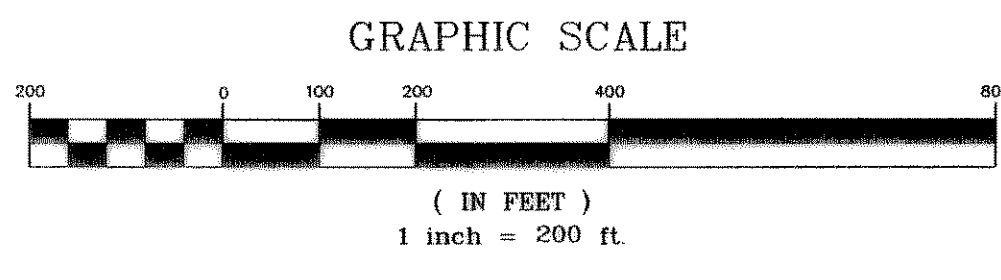


DRAINAGE TABLE

AREA	ACRES	C	I ₁₀₀	Q ₁₀₀
1	1.17	.50	9.8	5.73
2	1.17	.50	9.8	5.73
3	0.99	.50	9.8	4.85
4	1.22	.50	9.8	5.98
4A	1.25	.50	9.8	6.12
5	1.22	.50	9.8	5.98
6	1.59	.50	9.8	7.79
7	1.82	.50	9.8	8.91
8	0.34	.50	9.8	1.67
9	0.91	.50	9.8	4.46
9A	0.39	.50	9.8	1.91
9B	0.16	.50	9.8	0.78
10	0.66	.50	9.8	3.23
11	1.39	.50	9.8	6.81
12	0.20	.50	9.8	0.98
13	1.35	.50	9.8	6.62
14	0.94	.50	9.8	4.61
14A	1.13	.50	9.8	5.54
15	1.12	.50	9.8	5.49
15A	0.24	.50	9.8	1.18
16	0.36	.50	9.8	1.76
17	0.36	.50	9.8	1.76
18	0.96	.50	9.8	4.70
18A	0.65	.50	9.8	3.19
18B	3.09	.50	9.8	15.14
18C	0.48	.50	9.8	2.35
19	0.34	.50	9.8	1.67
20	0.78	.50	9.8	3.82
21	0.15	.50	9.8	0.74
22	1.04	.50	9.8	5.10
23	0.85	.50	9.8	4.17
24	0.73	.50	9.8	3.58
25	0.28	.50	9.8	1.37
25A	0.46	.50	9.8	2.25
26	0.58	.50	9.8	2.84
27	0.44	.50	9.8	2.16
28	0.07	.50	9.8	0.34
29	1.19	.50	9.8	5.83
30	1.12	.50	9.8	5.49
31	1.28	.50	9.8	6.27
32	1.20	.50	9.8	5.88
33	0.20	.50	9.8	0.98
34	0.31	.50	9.8	1.52
34A	0.10	.50	9.8	0.49
35	0.13	.50	9.8	0.64
35A	0.51	.50	9.8	2.50
35B	0.14	.50	9.8	0.69
36	1.39	.50	9.8	6.81
37	0.26	.50	9.8	1.27
38	0.17	.50	9.8	0.83
39	0.74	.50	9.8	3.63
40	1.03	.50	9.8	5.15
40A	0.39	.50	9.8	1.91
40B	0.56	.50	9.8	2.74
40C	0.64	.50	9.8	3.14
40D	0.28	.50	9.8	1.37
41	0.14	.50	9.8	0.69
41A	0.55	.50	9.8	2.70
42	3.04	.50	9.8	14.90
43	37.03	.50	9.8	181.43
44	1.84	.50	9.8	9.02
45	1.23	.50	9.8	6.03
46	2.17	.50	9.8	10.63
47	53.3	.50	9.8	261.2
48	28.3	.50	9.8	138.7
49	5.02	.50	9.8	24.60
50	3.53	.50	9.8	17.30

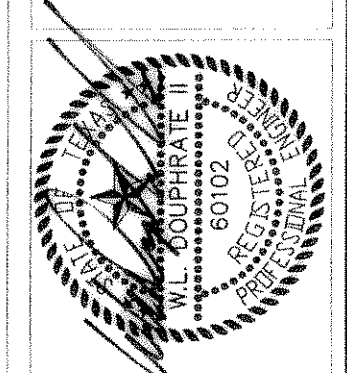
REMAINING AREA DOES NOT DISCHARGE INTO SQUABBLE CREEK



INLET CALCULATION CHART

INLET NO.	DRAIN AREA SERVED	DESIGN FREQ.	TIME TO INLET	INTEN. I	DEV. RUNOFF C	DRAIN AREA	DEV. Q	BYPASS FROM INLET	TOTAL Q	GUTTER CAP	GUTTER SLOPE	CROWN TYPE	LENGTH	TYPE	BYPASS TO NEXT INLET
1	5,6	100	10	9.80	0.5	4.11	20.13	---	20.3	28	3.18	INV	10	CURB	---
3	4A	100	10	9.80	0.5	0.48	2.35	---	2.35	28/14	3.18/0.76	INV	10	CURB	---
4	10	100	10	9.80	0.5	0.66	3.23	---	3.23	40	6.67	INV	4	GRATE COMBO	0.64
5	11	100	10	9.80	0.5	1.39	6.81	---	6.81	40	4.99	PARA	10(2)	ODD	---
6	12	100	10	9.80	0.5	0.20	0.98	---	0.98	40	4.99	PARA	5	CURB	---
7	13	100	10	9.80	0.5	1.35	6.62	---	6.62	34	4.84	INV	10	CURB	1.18
8	9,9A	100	10	9.80	0.5	1.30	6.37	0.64	7.01	7	1.78	PARA	10	CURB	1.01
9	9B	100	10	9.80	0.5	0.16	0.78	2.19	2.97	7	1.78	PARA	5	CURB	---
10	4,4A	100	10	9.80	0.5	1.06	5.19	---	5.19	7	1.78	PARA	10	CURB	---
11	7	100	10	9.80	0.5	1.49	7.30	---	7.30	10	3.24	PARA	5	SAG	---
12	8	100	10	9.80	0.5	0.34	1.67	---	1.67	10	3.24	5	SAG	---	
13	2	100	10	9.80	0.5	1.17	5.73	---	5.73	7	3.24	PARA	10'	SAG	---
14	18,18A,17	100	10	9.80	0.5	1.75	9.65	---	8.58	8	1.92	PARA	15'	CURB INLET	---
15	16	100	10	9.80	0.5	0.36	1.76	---	1.76	8	1.92	PARA	5	CURB	---
16	15	100	10	9.80	0.5	1.12	5.49	---	5.49	5.5	1.00	PARA	10	CURB	---
17	20	100	10	9.80	0.5	0.78	3.82	---	3.82	13	5.28	PARA	10	CURB	---
18	22	100	10	9.80	0.5	1.04	5.10	---	5.10	32	4.40	INV	4	GRATE COMBO	1.22
19	21	100	10	9.80	0.5	0.72	3.53	---	3.53	7	1.61	PARA	10	CURB	---
20	19,21,23	100	10	9.80	0.5	1.34	6.54	1.22	7.76	7	1.61	PARA	10	CURB	0.58
21	14A	100	10	9.80	0.5	1.13	5.54	---	5.54	5.5	1.00	PARA	10	CURB	0.04
22	26	100	10	9.80	0.5	0.58	2.84	---	2.84	40	6.26	INV	4	GRATE COMBO	0.51
23	27	100	10	9.80	0.5	0.44	2.16	---	2.16	10.5	3.60	PARA	5	CURB	---
24	25A,28	100	10	9.80	0.5	0.53	2.60	0.51	3.11	6	1.10	PARA	10	CURB	---
25	25	100	10	9.80	0.5	0.28	1.37	---	1.37	6	1.10	PARA	5	CURB	---
26	14	100	10	9.80	0.5	0.94	4.61	---	4.61	5.5	1.00	PARA	10	CURB	---
27	31	100	10	9.80	0.5	1.28	6.27	---	5.11	46	8.45	INV	10	CURB	1.16
28	32	100	10	9.80	0.5	1.20	5.90	---	5.50	15	7.96	PARA	10	CURB	0.38
29	29	100	10	9.80	0.5	1.19	5.83	1.50	5.83	46	8.71	PARA	10	CURB	---
30	33,34	100	10	9.80	0.5	0.51	2.50	1.50	4.00	4.60	0.66	PARA	10	CURB	---
31	34A	100	10	9.80	0.5	0.10	0.49	1.04	1.53	4.60	0.66	PARA	5	CURB	---
32	30	100	10	9.80	0.5	1.12	5.49	---	5.49	13	5.17	PARA	10	CURB	---
33	35	100	10	9.80	0.5	0.26	1.27	---	1.27	4.60	0.66	PARA	5	CURB	---
34	40A	100	10	9.80	0.5	0.39	1.91	---	---	---	---	DITCH	2X2	DROP	---
35	15,40	100	10	9.80	0.5	0.99	4.82	---	4.82	7	1.48	PARA	10	CURB	---
36	39	100	10	9.80	0.5	0.74	3.63	---	3.63	7	1.48	PARA	10	CURB	---

REVISED TO CONFORM TO CONSTRUCTION RECORDS.
DATE: 11-05-2007



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY THE BOARD OF PROFESSIONAL ENGINEERS IN TEXAS P.E. NO. 60102 ON 11/05/07

DOUPHRATE & ASSOCIATES, INC.
ENGINEERING + PROJECT MANAGEMENT + SURVEYING
2235 RIDGE RD., # 200 ROCKWALL, TEXAS 75087
PHONE: (972)771-9004 FAX: (972)771-9005

DRAINAGE AREA MAP
LAKEVIEW SUMMIT, PHASE ONE
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

1. REVISED AS PER CITY OF ROCKWALL REVISIONS 7/9/00

REVISION	DATE	BY
W.L.D. CHECKED		
K.E.B. DRAWN		
1/26/00		
DATE		
9919PHIDAM		
PROJECT		