

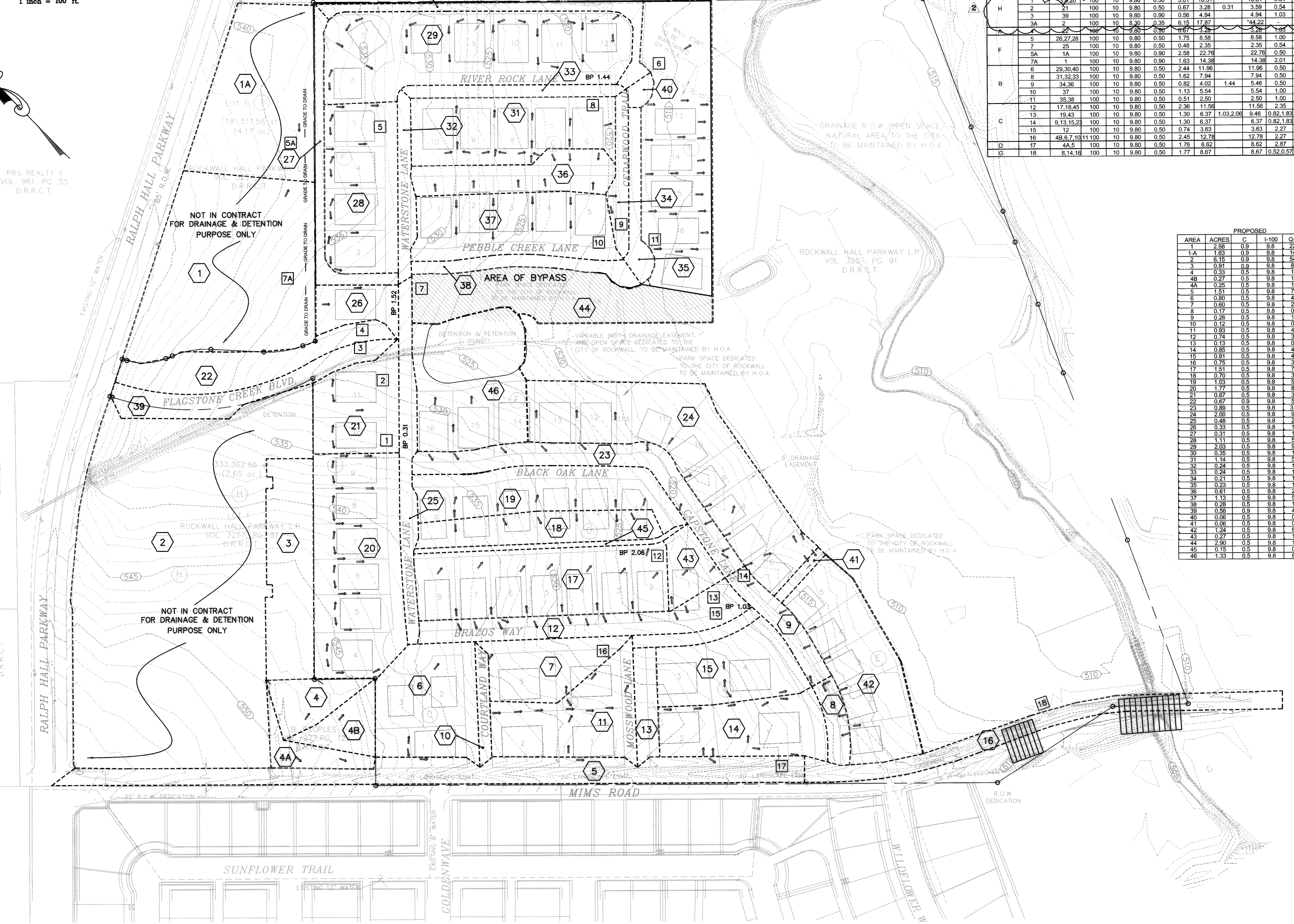
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ENGINEERING - PROJECT MANAGEMENT - SURVEYING
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DRAINAGE AREA MAP
FLAGSTONE ESTATES
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

2. 01-16-06

REVISION	
CHECKED	KEB
DRAWN	DLB
DATE	9/04
PROJECT	014DAM
	6 OF

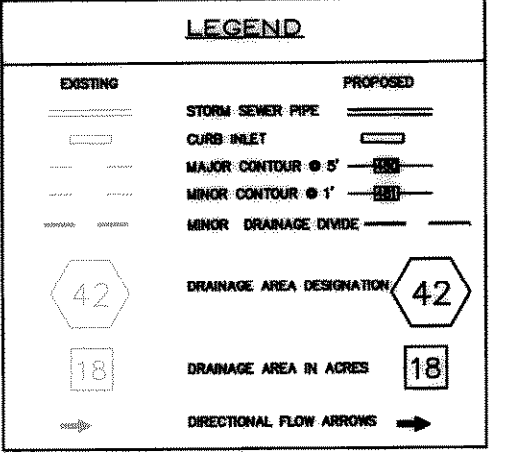


INLET CHART

LINE NO.	INLET NO.	AREAS	DESIGN FREQ.	TIME TC	INTEN I	DEV. RUNOFF C	DRAIN AREA	DEV Q	BYPASS FROM	TOTAL Q	GUTTER SLOPE	GUTTER CAP	CROWN TYPE	INLET LENGTH	YO INLET	CAP. INLET	BYPASS INLET	INLET TO NEXT BYPASS	COMMENTS
H	1	1.20	100	10	9.80	0.50	3.01	18.31		18.31	0.54	16.00	PARA	20 grade	0.50	18.00	0.31		
H	2	2.1	100	10	9.80	0.50	0.87	3.28	0.31	3.59	0.54	16.00	PARA	10 grade	0.50	6.50			
H	3A	2	100	10	9.80	0.35	6.15	17.87		17.87	0.54	21.00	PARA	10 grade	0.50	6.00			allowed post development
A	5	26.27.28	100	10	9.80	0.50	1.75	8.58		8.58	1.00	16.00	PARA	10 grade	0.50	10.00			
F	7	25	100	10	9.80	0.50	0.48	2.35		2.35	0.54	16.00	PARA	5 grade	0.50	3.00			
F	5A	1A	100	10	9.80	0.90	2.58	22.78		22.78	0.50	-	-	3x3 sag	0.50	26.00			Y-INLET
F	7A	1	100	10	9.80	0.90	1.63	14.38		14.38	2.01	-	-	3x3 sag	0.50	26.00			Y-INLET
B	6	29.30.40	100	10	9.80	0.50	2.44	11.98		11.98	0.50	21.00	PARA	10-sag	0.50	20.00			
B	8	31.32.33	100	10	9.80	0.50	1.62	7.94		7.94	0.50	16.00	PARA	10 grade	0.50	6.50	1.44		
B	9	34.36	100	10	9.80	0.50	0.82	4.02	1.44	5.46	0.50	16.00	PARA	10 grade	0.50	6.50			8
B	10	37	100	10	9.80	0.50	1.13	5.54		5.54	1.00	21.00	PARA	10 grade	0.50	6.00			
B	11	35.38	100	10	9.80	0.50	0.51	2.50		2.50	1.00	21.00	PARA	5-sag	0.50	10.50			
C	12	17.18.45	100	10	9.80	0.50	2.36	11.98		11.98	2.35	18.00	PARA	15 grade	0.50	2.50			2.06
C	13	19.43	100	10	9.80	0.50	1.30	6.37	1.03.2.06	9.46	0.82.1.83	16.00	PARA	5-sag	0.50	10.50			
C	14	9.13.15.23	100	10	9.80	0.50	1.30	6.37		6.37	0.82.1.83	16.00	PARA	5-sag	0.50	10.50			
C	15	12	100	10	9.80	0.50	0.74	3.63		3.63	2.27	18.00	INVERT	5 grade	0.50	2.60	1.03		
C	16	4B.7.10.11	100	10	9.80	0.50	2.45	12.78		12.78	2.27	16.00	PARA	20 grade	0.50	13.75			
D	17	4A.5	100	10	9.80	0.50	1.76	8.67		8.67	0.52.0.57	18.00	PARA	20 grade	0.50	12.0			RECESS
D	18	8.14.16	100	10	9.80	0.50	1.77	8.67		8.67	0.52.0.57	18.00	PARA	10-sag	0.50	21.0			RECESS

DRAINAGE TABLE

AREA	ACRES	PROPOSED		EXISTING		FUTURE		
		C	Q-100	EX-C	EX-100 YR			
1	2.58	0.9	9.8	22.76	0.35	8.3	7.49	FUTURE COMMERCIAL
1A	1.63	0.9	9.8	14.38	0.35	8.3	7.47	FUTURE COMMERCIAL
2	6.15	0.9	9.8	54.24	0.35	8.3	17.37	FUTURE COMMERCIAL
3	0.91	0.9	9.8	8.02	0.35	8.3	2.64	PARK AREA
4	0.33	0.5	9.8	1.92	0.35	8.3	0.96	OFFSITE AREA (PEOPLES)
4B	0.27	0.5	9.8	1.32	0.35	8.3	0.78	OFFSITE AREA (PEOPLES)
4A	0.25	0.5	9.8	1.22	0.35	8.3	0.73	OFFSITE AREA (PEOPLES)
5	1.51	0.5	9.8	4.40	0.35	8.3	3.54	
6	0.80	0.5	9.8	4.80	0.35	8.3	2.85	
7	0.60	0.5	9.8	2.94	0.35	8.3	1.74	
8	0.17	0.5	9.8	0.83	0.35	8.3	0.49	
9	0.28	0.5	9.8	1.37	0.35	8.3	0.81	
10	0.12	0.5	9.8	0.59	0.35	8.3	0.35	
11	0.33	0.5	9.8	1.56	0.35	8.3	0.70	
12	0.74	0.5	9.8	3.63	0.35	8.3	2.15	
13	0.13	0.5	9.8	0.64	0.35	8.3	0.38	
14	0.88	0.5	9.8	4.17	0.35	8.3	2.47	
15	0.91	0.5	9.8	4.46	0.35	8.3	2.64	
16	0.75	0.5	9.8	3.68	0.35	8.3	2.18	
17	1.51	0.5	9.8	7.40	0.35	8.3	4.39	
18	0.70	0.5	9.8	3.14	0.35	8.3	1.86	
19	1.03	0.5	9.8	5.06	0.35	8.3	2.99	
20	1.77	0.5	9.8	8.67	0.35	8.3	5.14	
21	0.87	0.5	9.8	3.26	0.35	8.3	1.95	
22	0.67	0.5	9.8	3.51	0.35	8.3	1.96	
23	0.89	0.5	9.8	3.77	0.35	8.3	2.24	
24	2.00	0.5	9.8	9.80	0.35	8.3	5.81	
25	0.48	0.5	9.8	2.35	0.35	8.3	1.36	
26	0.33	0.5	9.8	1.62	0.35	8.3	0.96	
27	0.31	0.5	9.8	1.52	0.35	8.3	0.90	
28	1.11	0.5	9.8	5.44	0.35	8.3	3.22	
29	2.03	0.5	9.8	9.95	0.35	8.3	5.80	
30	0.35	0.5	9.8	1.72	0.35	8.3	1.02	
31	1.14	0.5	9.8	5.26	0.35	8.3	3.31	
32	0.24	0.5	9.8	1.19	0.35	8.3	0.70	
33	0.24	0.5	9.8	1.18	0.35	8.3	0.70	
34	0.51	0.5	9.8	2.69	0.35	8.3	1.63	
35	0.23	0.5	9.8	1.13	0.35	8.3	0.67	
36	0.61	0.5	9.8	2.89	0.35	8.3	1.65	
37	1.13	0.5	9.8	5.54	0.35	8.3	3.28	
38	0.28	0.5	9.8	1.37	0.35	8.3	0.81	
39	0.58	0.5	9.8	2.94	0.35	8.3	1.63	
40	0.08	0.5	9.8	0.29	0.35	8.3	0.17	
41	0.06	0.5	9.8	0.29	0.35	8.3	0.17	
42	1.24	0.5	9.8	6.08	0.35	8.3	3.69	
43	0.27	0.5	9.8	1.43	0.35	8.3	0.78	
44	2.90	0.5	9.8	14.21	0.35	8.3	8.42	
45	0.15	0.5	9.8	0.74	0.35	8.3	0.44	
46	1.33	0.5	9.8	6.52	0.35	8.3	3.86	BY PASS AREA



NOTE
THE CONTRACTOR SHALL ENSURE THAT ALL WALLS AND FOOTINGS ARE WITHIN LOTS.

BENCHMARKS:
B.M. = SQUARE CUT TOP OF CURB CENTER OF CURB INLET N. SIDE OF RALPH HALL PKWY. & 325' EAST OF MIMS ROAD (SE. W. OF W. PROPERTY LINE) ELEV = 549.34
B.M. = SQUARE CUT TOP OF CURB CENTER OF CURB INLET N. SIDE OF RALPH HALL PKWY. & 150' EAST OF MIMS ROAD (SE. W. OF E. PROPERTY LINE) ELEV = 549.41

REVISED TO CONFORM TO CONSTRUCTION RECORDS.
[Signature] DATE: 10/27/06

STATE OF TEXAS VOL. 65, PG. 591 D.R.R.C.T.

B.44 AC VOL. 1406, PG. 120 D.R.R.C.T.

FRS REALTY II VOL. 961, PG. 55 D.R.R.C.T.

1. INFORMATION OBTAINED FROM: M&E ASSOCIATES, INC. PLANS DATED 5-17-01