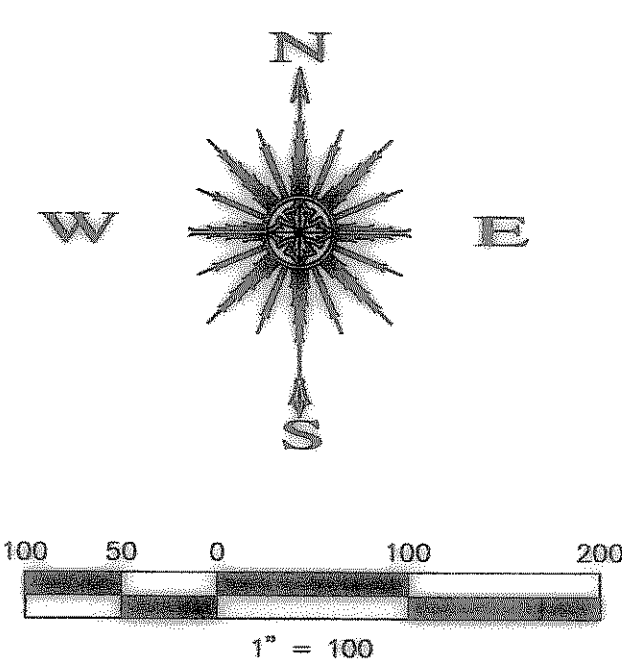
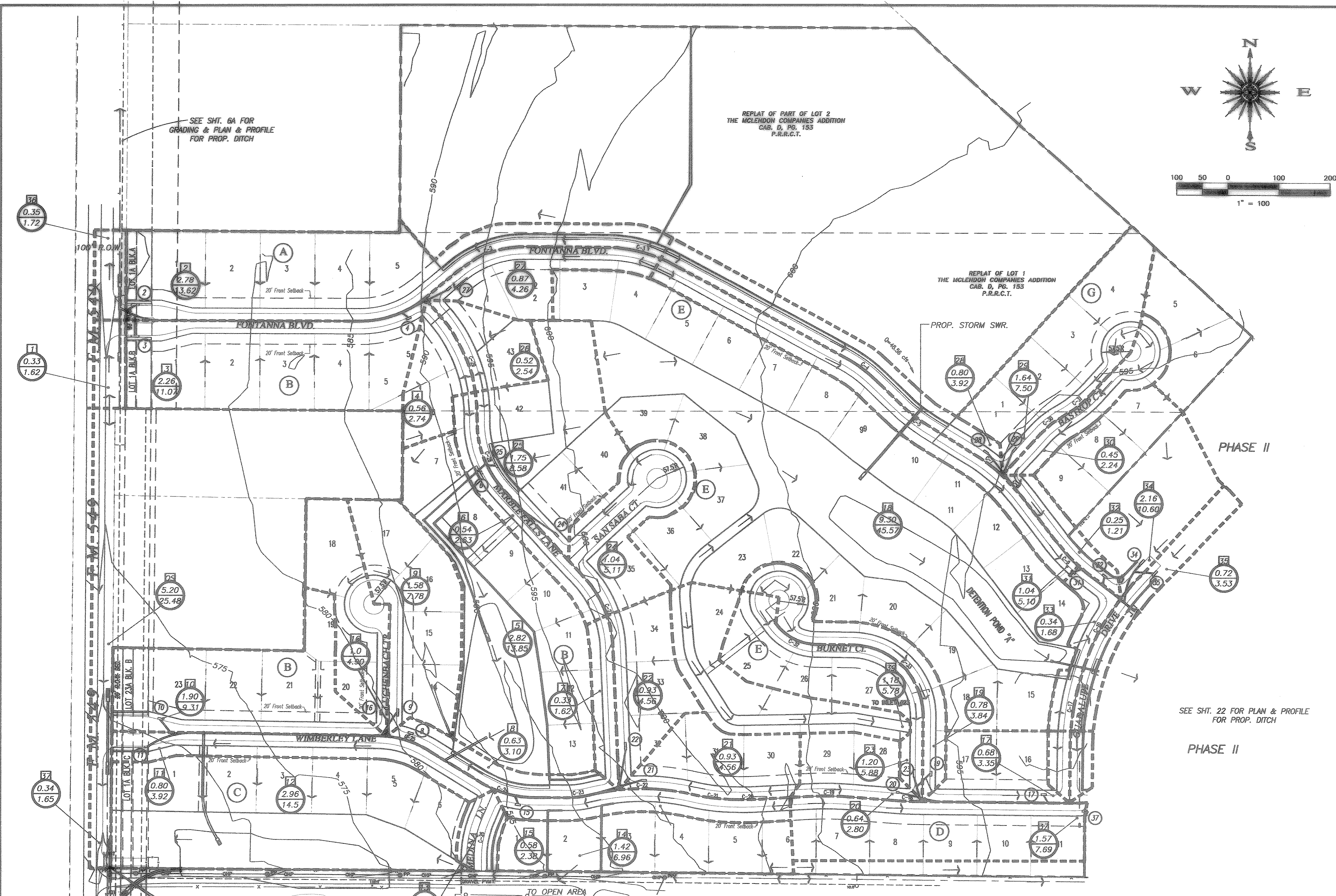


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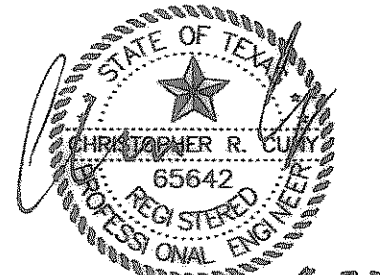


LEGEND

- DRAINAGE DIVIDE
- FLOW DIRECTION
- 530--- EXIST. CONTOUR
- ① DRAINAGE AREA NO.
- ACRES
- Qcfs*
- ② INLET NO.

DRAINAGE CALCULATIONS					
AREA NO.	AREA (AC.)	TC (MIN.)	C	I 100	Q 100
OS	5.30	10	0.50	9.80	25.98
1	0.33	10	0.50	9.80	1.62
2	2.78	10	0.50	9.80	13.62
3	2.26	10	0.50	9.80	11.07
4	0.56	10	0.50	9.80	2.74
5	2.82	10	0.50	9.80	13.85
6	0.54	10	0.50	9.80	2.63
7	0.33	10	0.50	9.80	1.62
8	0.63	10	0.50	9.80	3.10
9	1.58	10	0.50	9.80	7.78
10	1.90	10	0.50	9.80	9.31
11	0.80	10	0.50	9.80	3.92
12	2.96	10	0.50	9.80	14.50
13	0.26	10	0.50	9.80	1.25
14	1.42	10	0.50	9.80	6.96
15	0.58	10	0.50	9.80	2.38
16	1.0	10	0.50	9.80	4.90
17	0.68	10	0.50	9.80	3.35
18	9.30	10	0.50	9.80	45.57
19	0.78	10	0.50	9.80	3.84
20	0.64	10	0.50	9.80	3.14
21	0.93	10	0.50	9.80	4.56
22	0.93	10	0.50	9.80	4.56
23	1.20	10	0.50	9.80	5.88
24	1.04	10	0.50	9.80	5.11
25	1.75	10	0.50	9.80	8.58
26	0.52	10	0.50	9.80	2.54
27	0.87	10	0.50	9.80	4.26
28	0.80	10	0.50	9.80	3.92
29	1.64	10	0.50	9.80	8.04
30	0.45	10	0.50	9.80	2.24
31	1.04	10	0.50	9.80	5.10
32	0.25	10	0.50	9.80	1.21
33	0.34	10	0.50	9.80	1.68
34	2.16	10	0.50	9.80	10.60
35	0.72	10	0.50	9.80	3.53
36	0.35	10	0.50	9.80	1.72
37	1.57	10	0.50	9.80	7.69
38	0.34	10	0.50	9.80	1.65
39	1.18	10	0.50	9.80	5.78
*40	7.79	10	0.50	9.80	38.17

* PHASE III DRAINAGE
 THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY CHRISTOPHER R. CUNY, P.E. 65642



Construction Record Drawing
 8-22-2007

DRAINAGE AREA MAP
Fontanna Ranch
 City of Rockwall, Rockwall County, Texas
 Spring Haven Investments, Inc.
 6750 Hillcrest Plaza Dr. • Suite 305 • Dallas, Texas 75230 • 972.396.3333

F.C. CUNY CORPORATION
 #2 Horizon Court • Heath, Texas 75032 • 469-402-7700

Drawn By:	Checked By:	Date:	Scale:	Project No.:	Sheet No.:
MSC	DJW	10/18/06	1" = 100'	05-013	21 of 45

Inlet No.	Location	Design Storm Frequency (yr)	AREA RUNOFF				Carry-Over From Upstream (c.f.s.)	Total Outfall (c.f.s.)	Gutter Capacity (c.f.s.)	Gutter Slope	Crown Type	SELECTED INLET		Carry-Over To Downstream (c.f.s.)	Remarks		
			Time of Conc. (min)	Intensity I (in/hr)	Rational Coeff.	Area (Ac)						Length (ft)	Type				
2	LINE "B"	100	10	9.8	0.5	2.78	13.82	0	13.82	28	1.88	14" x 14"	15	1	10.0	3.82	TO PROP. DITCH PH 549
3	LINE "B"	100	10	9.8	0.5	2.28	11.07	0	11.07	20	0.88	14" x 14"	15	1	10.5	1.07	TO PROP. DITCH PH 549
4	LINE "B"	100	10	9.8	0.5	1.88	9.29	0	9.29	12	1.32	8" crown	10	1	6.0	0	
27	LINE "B"	100	10	9.8	0.5	0.87	4.28	0	4.28	22	3.38	8" crown	10	1	6.0	0	
6	LINE "C"	100	10	9.8	0.5	0.54	2.83	0	2.83	SAG	SAG	8" crown	5	1A	8.5	0	
25	LINE "C"	100	10	9.8	0.5	1.75	8.58	0	8.58	SAG	SAG	8" crown	10	1A	17.5	0	
24	LINE "C"	100	10	9.8	0.5	1.84	9.11	0	9.11	12	1.32	8" crown	10	1	6.2	0	
28	LINE "D"	100	10	9.8	0.5	0.80	3.82	0	3.82	18	2.82	8" crown	10	1	6.1	0	
29	LINE "D"	100	10	9.8	0.5	1.84	8.84	0	8.84	9	0.88	8" crown	10	1	7.5	2.78	COVER 20.30 TO INLET #2
31	LINE "D"	100	10	9.8	0.5	1.84	9.10	0	9.10	13	1.32	8" crown	10	1	6.5	0	
32	LINE "D"	100	10	9.8	0.5	1.21	5.79	2.78	3.59	12	1.32	8" crown	10	1	6.5	0	
34	LAT. D-1	100	10	9.8	0.5	2.16	10.60	1.88	12.38	SAG	SAG	8" crown	10	1A	17.5	1.88	CARRY OVER FROM AREA 33
35	LAT. D-1	100	10	9.8	0.5	0.72	3.83	0	3.83	SAG	SAG	8" crown	5	1A	8.5	0	
21	LINE "E"	100	10	9.8	0.5	0.88	4.58	0	4.58	23	4.88	8" crown	10	1	5.8	0	
22	LINE "E"	100	10	9.8	0.5	0.88	4.58	0	4.58	23	2.28	8" crown	10	1	6.0	0	
15	LINE "E"	100	10	9.8	0.5	0.58	2.38	0	2.38	20	3.00	8" crown	5	1	2.5	0	
8	LINE "E"	100	10	9.8	0.5	0.63	3.10	1.62	4.72	16	2.00	8" crown	10	1	6.1	1.62	CARRY OVER FROM AREA 7
9	LINE "E"	100	10	9.8	0.5	1.28	7.78	0	7.78	16	2.08	8" crown	15	1	10.0	0	
10	LINE "E"	100	10	9.8	0.5	1.30	6.31	0	6.31	SAG	SAG	8" crown	10	1A	17.5	0	
11	LINE "E"	100	10	9.8	0.5	0.80	3.82	0	3.82	SAG	SAG	8" crown	5	1A	8.5	0	
16	LAT. E-1	100	10	9.8	0.5	1.88	4.88	0	4.88	16	2.08	8" crown	10	1	6.2	0	
20	LINE "G"	100	10	9.8	0.5	0.84	3.14	0	3.14	13	1.28	8" crown	5	1	2.8	0.34	TO INLET #17
23	LAT. G-1	100	10	9.8	0.5	1.72	8.42	0	8.42	9	0.68	8" crown	15	1	12.0	0	
18	LAT. G-2	100	10	9.8	0.5	0.78	3.84	0	3.84	9	0.58	8" crown	10	1	7.7	0	
17	LINE "G"	100	10	9.8	0.5	0.88	3.35	0.34	3.89	13	1.28	8" crown	10	1	6.5	0	
37	LINE "G"	100	10	9.8	0.5	1.68	7.88	0	7.88	13	1.28	8" crown	10	1	6.5	1.19	TO FUTURE INLET PH. II