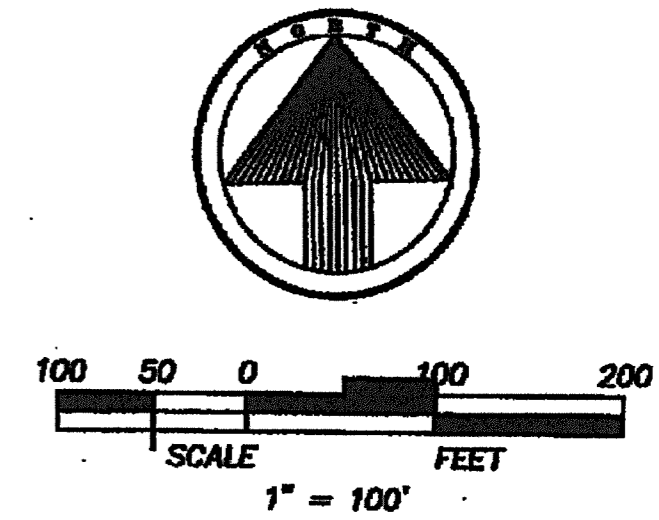


AREA CALCULATIONS

Area ID	Area (acres)	Intensity (in/hr.)	C	Q ₁₀₀ (cfs)	T _r (min)
A-1	0.58	9.8	0.5	2.84	10.00
B-1	0.49	9.8	0.5	2.40	10.00
I-1	0.54	9.8	0.5	2.65	10.00
I-2	0.34	9.8	0.5	1.67	10.00
M-1	3.96	9.8	0.5	19.40	10.00
N-1	0.96	9.8	0.5	4.80	10.00
N-2	1.75	9.8	0.5	8.58	10.00
N-3	0.42	9.8	0.5	2.06	10.00
N-4	2.93	9.8	0.5	14.36	10.00
N-5	1.84	9.8	0.5	9.02	10.00
N-6	0.32	9.8	0.5	1.57	10.00
N-7	2.38	9.8	0.5	11.88	10.00
N-8	3.47	9.8	0.5	17.00	10.00
P-1	2.64	9.8	0.5	12.94	10.00
Q-1	0.21	9.8	0.5	1.03	10.00
Q-2	0.06	9.8	0.5	0.39	10.00
Q-3	0.16	9.8	0.5	0.88	10.00
Q-4	0.11	9.8	0.5	0.54	10.00
Q-5	1.23	9.8	0.5	6.03	10.00
Q-6	0.8	9.8	0.5	3.92	10.00
R-1	1.49	9.8	0.5	7.30	10.00
R-2	2.93	9.8	0.5	13.67	10.00
S-1	1.99	9.8	0.5	9.75	10.00
S-2	2.24	9.8	0.5	10.96	10.00
S-3	0.99	9.8	0.5	4.85	10.00
S-4	1.32	9.8	0.5	6.47	10.00
X-1	1.1	9.8	0.5	5.39	10.00
X-2	0.37	9.8	0.5	1.81	10.00

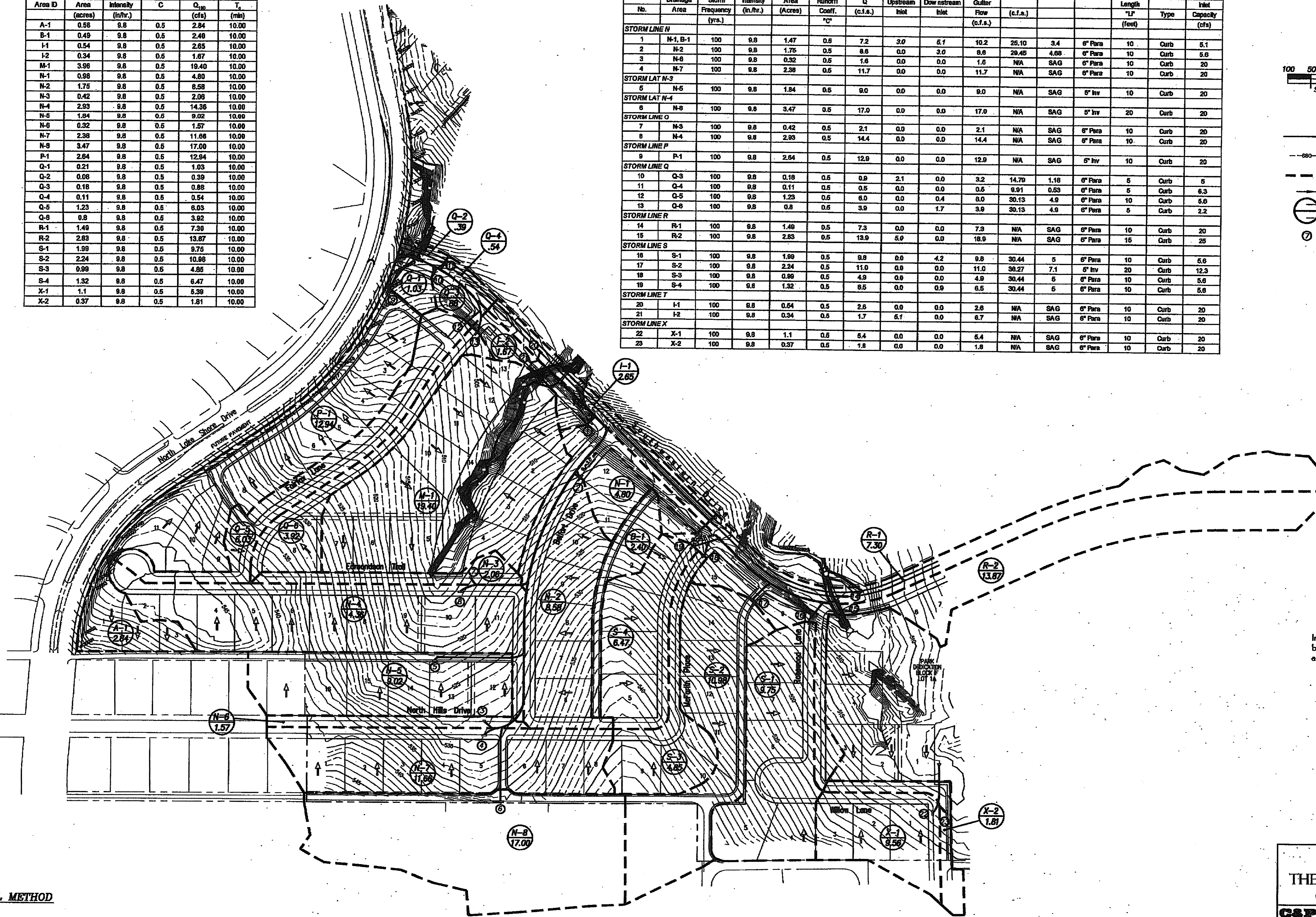
INLET CALCULATIONS

INLET No.	Design Storm Area (Acres)	Intensity (in/hr.)	Runoff Coeff. "C"	Q (c.f.s.)	Carry-Over		Total Gutter Flow (c.f.s.)	Gutter Capacity (c.f.s.)	Gutter Slope (%)	Crown Type	Selected Inlet		
					From Upstream Inlet	Carry-Over to Downstream Inlet					Length "L" (feet)	Inlet Type	
STORM LINE N													
1	N-1, B-1	100	9.8	1.47	0.8	7.2	3.0	6.1	10.2	25.10	3.4	6" Para 10 Curb	5.1
2	N-2	100	9.8	1.75	0.5	8.8	0.0	3.0	8.6	29.45	4.68	6" Para 10 Curb	5.8
3	N-6	100	9.8	0.32	0.5	1.6	0.0	0.0	1.6	NA	SAG	6" Para 10 Curb	20
4	N-7	100	9.8	2.38	0.5	11.7	0.0	0.0	11.7	NA	SAG	6" Para 10 Curb	20
STORM LAT N-3													
5	N-6	100	9.8	1.84	0.5	9.0	0.0	0.0	9.0	NA	SAG	6" Inv 10 Curb	20
STORM LAT N-4													
6	N-8	100	9.8	3.47	0.5	17.0	0.0	0.0	17.0	NA	SAG	6" Inv 20 Curb	20
STORM LINE O													
7	N-3	100	9.8	0.42	0.5	2.1	0.0	0.0	2.1	NA	SAG	6" Para 10 Curb	20
8	N-4	100	9.8	2.93	0.5	14.4	0.0	0.0	14.4	NA	SAG	6" Para 10 Curb	20
STORM LINE P													
9	P-1	100	9.8	2.64	0.5	12.9	0.0	0.0	12.9	NA	SAG	6" Inv 10 Curb	20
STORM LINE Q													
10	Q-3	100	9.8	0.18	0.5	0.9	2.1	0.0	3.2	14.79	1.18	6" Para 5 Curb	5
11	Q-4	100	9.8	0.11	0.5	0.5	0.0	0.0	0.5	9.91	0.53	6" Para 5 Curb	6.3
12	Q-5	100	9.8	1.23	0.5	6.0	0.0	0.4	6.0	30.13	4.9	6" Para 10 Curb	5.6
13	Q-6	100	9.8	0.8	0.5	3.9	0.0	1.7	3.9	30.13	4.9	6" Para 5 Curb	2.2
STORM LINE R													
14	R-1	100	9.8	1.49	0.5	7.3	0.0	0.0	7.3	NA	SAG	6" Para 10 Curb	20
15	R-2	100	9.8	2.93	0.5	13.9	5.0	0.0	18.9	NA	SAG	6" Para 15 Curb	25
STORM LINE S													
16	S-1	100	9.8	1.99	0.5	9.9	0.0	4.2	9.8	30.44	5	6" Para 10 Curb	5.6
17	S-2	100	9.8	2.24	0.5	11.0	0.0	0.0	11.0	36.27	7.1	6" Inv 20 Curb	12.3
18	S-3	100	9.8	0.99	0.5	4.9	0.0	0.0	4.9	30.44	5	6" Para 10 Curb	5.6
19	S-4	100	9.8	1.32	0.5	6.5	0.0	0.9	6.5	30.44	5	6" Para 10 Curb	5.6
STORM LINE T													
20	T-1	100	9.8	0.64	0.5	2.6	0.0	0.0	2.6	NA	SAG	6" Para 10 Curb	20
21	T-2	100	9.8	0.34	0.5	1.7	6.1	0.0	6.7	NA	SAG	6" Para 10 Curb	20
STORM LINE X													
22	X-1	100	9.8	1.1	0.5	5.4	0.0	0.0	5.4	NA	SAG	6" Para 10 Curb	20
23	X-2	100	9.8	0.37	0.5	1.8	0.0	0.0	1.8	NA	SAG	6" Para 10 Curb	20



LEGEND

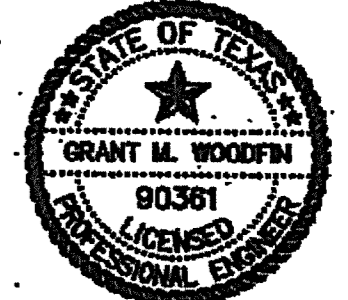
- 680 --- EXIST. CONTOUR
- - - - - DRAINAGE DIVIDE
- DIRECTION OF FLOW
- DRAINAGE AREA
- RUNOFF, CFS
- ⑦ INLET NUMBER



RATIONAL METHOD
 $Q = C \cdot I \cdot A$
 Q ~ Flow (c.f.s.)
 C ~ Runoff Coefficient
 I ~ Intensity (in./hr.)
 A ~ Drainage Area (Acres)

- NOTES:**
- ALL STREET CURBS ARE CITY STANDARD 6"
 - Q CAN BE CARRIED WITHIN 1.5' ABOVE THE TOP OF CURB FOR ALL STREETS
 - STREET CAPACITIES REPORTED ARE TO 1.5' ABOVE THE TOP OF CURB & INCLUDE BOTH GUTTERS (45 cfs MAX)
 - ALLEY CAPACITIES REPORTED ARE TO THE DEPTH OF THE 5" INVERT
 - STREET CAPACITIES REPORTED AT SAG CONDITIONS ARE BASED ON THE SIDE WITH THE CONTROLLING GRADE COMING INTO THE SAG AND ARE FOR BOTH GUTTERS ON ONE SIDE OF THE INLET ONLY.

"AS BUILTS"
 Information shown on these plans was furnished by the Contractor. All responsibility for the accuracy belongs to the Contractor.



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DRAINAGE AREA MAP
THE PRESERVE - PHASE 2
 CITY OF ROCKWALL, TEXAS

C&P Engineering, LTD.
 Engineering • Planning • Surveying
 1801 GATEWAY BLVD. - SUITE 101
 RICHARDSON, TEXAS 75080
 email: info@c-pengineering.com

(972) 644-2800 OFC (972) 644-2817 FAX
 DRAWN BY: DATE: SCALE: JOB NUMBER: SHEET: 05109-DAM
 C&P 2/06 1"=100'-H 05109 17 of