



BENCHMARK #1
CITY OF ROCKWALL CNTRL. MONUMENT #R010
CL. OF N. LAKESHORE DR. NORTH OF N. HAVEN
HILL CT. IN THE MEDIAN. (NAVD88) ELEV. = 524.79'

BENCHMARK #2
CITY OF ROCKWALL CNTRL. MONUMENT #R011
CL. OF N. LAKESHORE DR. NORTH OF N. ALAMO
IN THE MEDIAN. (NAVD88) ELEV. = 518.83'

- LEGEND**
- Proposed Area Designation
 - Qm (cfs)
 - Proposed Drainage Area Divide
 - Proposed Inlet Number
 - Existing Inlet Number
 - Proposed Storm Sewer
 - Existing Storm Sewer
 - Existing Contours
 - Direction of Flow

DRAINAGE CALCULATIONS

AREA NO.	ACRES	C	Tc	Ia	Qa	Ib	Qb	POIN-TUP POINTS
A	1.27	0.50	10	7.30	4.6	9.80	6.2	C-1
B	4.94	0.50	10	7.30	18.0	9.80	24.2	C-2
C	1.57	0.50	10	7.30	5.7	9.80	7.7	B-4
D	0.40	0.50	10	7.30	1.5	9.80	1.9	B-3
E	1.23	0.50	10	7.30	4.5	9.80	6.0	A-1
F	3.47	0.50	10	7.30	12.7	9.80	17.0	B-2
G	1.24	0.50	10	7.30	4.5	9.80	6.1	B-1
H	2.58	0.50	10	7.30	9.4	9.80	12.8	C-1
I	1.86	0.50	10	7.30	6.8	9.80	9.1	D-4
J	1.83	0.50	10	7.30	6.7	9.80	9.0	D-3
K	1.86	0.50	10	7.30	6.8	9.80	9.1	E-1
L	1.63	0.50	10	7.30	5.9	9.80	8.0	E-2
M	3.66	0.50	10	7.30	13.4	9.80	17.9	D-1
N	1.29	0.50	10	7.30	4.7	9.80	6.3	D-2
O	2.65	0.50	10	7.30	9.7	9.80	13.0	C-4
P	1.39	0.50	10	7.30	5.1	9.80	6.8	C-2
Q	2.70	0.50	10	7.30	9.9	9.80	13.2	C-3
R	1.51	0.50	10	7.30	5.5	9.80	7.4	A-2
S	0.34	0.50	10	7.30	1.2	9.80	1.6	A-3
T	0.83	0.50	10	7.30	3.0	9.80	4.1	H-1
U	0.48	0.50	10	7.30	1.8	9.80	2.4	N. ALAMO ROAD
V	0.52	0.50	10	7.30	1.9	9.80	2.6	POND #2
W	0.39	0.50	10	7.30	1.4	9.80	1.9	POND #1
X	3.48	0.50	10	7.30	12.7	9.80	17.1	I-1
Y	1.73	0.50	10	7.30	6.3	9.80	8.5	I-2
Z	1.66	0.50	10	7.30	6.0	9.80	8.1	J-1
AA	1.29	0.50	10	7.30	4.7	9.80	6.3	F-1
BB	0.09	0.50	10	7.30	0.3	9.80	0.5	F-2
CC	1.82	0.50	10	7.30	6.6	9.80	8.9	F-3
DD	0.85	0.50	10	7.30	3.1	9.80	4.2	K-1
EE	1.50	0.50	10	7.30	5.5	9.80	7.4	F-5
FF	3.45	0.50	10	7.30	12.6	9.80	16.9	F-5
GG	2.75	0.50	10	7.30	10.0	9.80	13.5	F-4
HH	86.24	0.50	10	7.30	314.8	9.80	422.6	L-1

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY MD. NAIM UDDIN KHAN, P.E. #97776

THE PRESERVE, PHASE 1
A. HANNA SURVEY, ABSTRACT NO. 98
J.H.B. JONES SURVEY, ABSTRACT NO. 124
CITY OF ROCKWALL - ROCKWALL COUNTY, TEXAS

DRAINAGE AREA MAP

Scale: 1"=100' Date: 03-18-05
Designed By: CAC
Drawn By: CAC
Checked By: WAI
File: 01-0502 MASTER.prc
Project No.: 40502.00 (20)

APPROVED FOR CONSTRUCTION
MAR 20 2006
City of Rockwall Engineering Dept.
City Engineer

REVISION
MAY 30 2007
CITY OF ROCKWALL ENGINEERING DEPT.



PRELIMINARY
NOT FOR CONSTRUCTION!!!

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

SHEET
1
OF
46