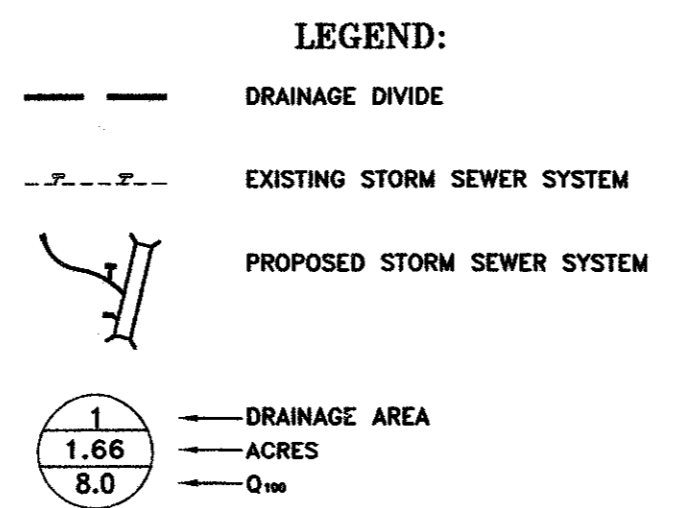


DRAINAGE AREA CALCULATIONS

DRAINAGE AREA NO.	AREA (ACRES)	C	Tc (MINUTES)	I 100 YR (IN/HR)	Q (cfs) (100-YR)	INTERCEPTED BY
6	0.51	0.70	10.00	8.74	3.1	I-0+06.58, A-A1
8	9.41	0.70	12.00	8.25	54.3	J-1+23.37B
8B	0.44	0.90	10.00	8.74	3.5	I-0+06.29, LAT1
8C	0.52	0.90	10.00	8.74	4.1	I-0+12.70, LAT2
9	2.39	0.70	10.00	8.74	14.6	I-EX D2
9A	0.41	0.70	10.00	8.74	2.5	I-1+33.87, A-A
10A	0.15	0.50	10.00	8.74	0.7	I-0+39.04, B-1
10B	0.28	0.90	10.00	8.74	2.2	I-3+66.25B
11A	2.02	0.90	10.00	8.74	15.9	I-A2-A
11A-1	0.23	0.90	10.00	8.74	1.8	I-0+13.33, A-2
11B-1	0.32	0.90	10.00	8.74	2.5	I-0+26.48, A-1A
11C	4.34	0.90	10.00	8.74	34.1	I-0+64.55, A-1
11D	0.13	0.90	10.00	8.74	1.0	I-0+12.54, A1-C
11E	0.35	0.70	10.00	8.74	2.1	I-0+59.28, A1-B
13	1.49	0.50	10.00	8.74	6.5	I-0+34.57, B-7
12, 13A	72.92	0.65	20.00	6.80	322.3	I-1+12.12, B-2
13C	0.35	0.90	10.00	8.74	2.8	I-0+16.98, B-5
14	0.16	0.90	10.00	8.74	1.3	I-0+01.92, B-3
14A	0.08	0.90	10.00	8.74	0.6	I-0+24.63, B-4A
14B	0.31	0.90	10.00	8.74	2.4	I-0+12.89, A-3
15	0.11	0.90	10.00	8.74	0.9	I-0+07.24, A-4A
15A	0.30	0.90	10.00	8.74	2.4	I-0+13.47, A-5
15B	0.33	0.90	10.00	8.74	2.6	I-0+23.79, A-5C
16	17.61	0.80	15.00	7.52	105.9	I-0+16.76, A-4
17A	2.99	0.50	10.00	8.74	13.1	I-0+20, B-8
17B	0.56	0.90	10.00	8.74	4.4	I-0+27.73, A-5B
19, 21B	166.50	0.58	39.50	5.03	485.7	I-24+10.26B
21A	4.39	0.90	10.00	8.74	34.5	I-MID SOUTH 30
21C	6.17	0.80	10.00	8.74	43.1	I-0+24.76, A-6
22	0.29	0.90	10.00	8.74	2.3	I-0+05, A-8A
22B	0.45	0.90	10.00	8.74	3.5	I-0+56.67, A-8
23	1.50	0.70	10.00	8.74	9.2	I-0+68.85, A-7
25	1.28	0.70	10.00	8.74	7.8	I-0+58.52, A-10
26A	0.24	0.90	10.00	8.74	1.9	I-0+8.86, A-12
26B	0.30	0.90	10.00	8.74	2.4	I-0+16.79, A-10A
27A	0.51	0.90	10.00	8.74	4.0	I-1+56.20, C-7
27C	0.23	0.90	10.00	8.74	1.8	I-0+30.27, C-9
27E	0.20	0.30	15.00	7.52	0.5	I-0+88.00, C-8
28A	0.33	0.30	15.00	7.52	0.7	I-0+13.86, C-3C
28B	0.30	0.30	15.00	7.52	0.7	I-0+13.86, C-5
28C	0.37	0.90	10.00	8.74	2.9	I-8+33.85C
28D	0.15	0.90	10.00	8.74	1.2	I-0+60.04, C-4
28E	0.34	0.30	15.00	7.52	0.8	I-0+90.00, C-6
29B	10.95	0.50	10.00	8.74	47.9	I-LATA11
B1	0.26	0.30	10.00	8.74	0.7	I-1+09.49, A-13
B2	0.32	0.70	10.00	8.74	2.0	I-0+80.04, C-3B
B4	0.72	0.70	10.00	8.74	4.4	I-0+80.04, C-2
B5	9.16	0.50	12.00	8.25	37.8	I-0+10, A-14
B6	6.54	0.50	12.00	8.25	27.0	I-45+05.00A
B7	28.80	0.65	18.90	6.96	130.3	I-2+43.50D
B8	30.31	0.65	15.00	7.52	148.2	I-44+71.86A
B11	0.67	0.30	15.00	7.52	1.5	I-0+13.86, C-3
B12	1.75	0.30	15.00	7.52	3.9	I-0+04.55, D-1
BRIDGE	0.49	0.90	10.00	8.74	3.9	I-0+03.19, B-7A
BRIDGE	0.49	0.90	10.00	8.74	3.9	I-0+05.46, A-5A
BRIDGE	0.34	0.90	10.00	8.74	2.7	I-0+29.44, A-6A
BRIDGE	0.34	0.90	10.00	8.74	2.7	I-0+06.41, A-6B



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY:
A. KATURA CURRY
 ON 7-21-04.
 ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

DATE:	MAY 2004	SCALE:	1"=200'	JOB NO.:	02-320
DRAWN:	G&A	DESIGN:	AKC	REVIEWED:	BRG
DWG: 320DRNAREA					
ARAPAHO ROAD PHASE III					
DRAINAGE AREA MAP - SHEET 1					
TOWN OF ADDISON					
				Grantham & Associates, Inc.	
1919 S. SHILOH ROAD, SUITE 310, L.B. 8 GARLAND, TEXAS 75042				(972) 864-2333 (TEL) (972) 864-2334 (FAX)	

SHT. D-1