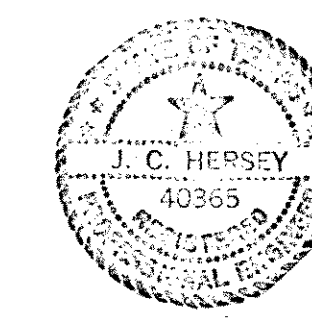


DRAINAGE AREA DATA

AREA	ACRES	C	I_s	Q_s
1	0.78	.5	6.6	2.57
2	1.03			3.40
3	1.82			6.01
4	0.24			0.79
5	0.95			3.14
6	1.03			3.40
7	4.45			14.69
8	1.31			4.32
9	2.54			8.38
10	0.89			2.94
11	1.99			6.57
12	1.50			4.95
13	3.90			12.87
14	2.30			7.59
15	2.80			9.24
16	1.00			3.30
17	1.80			5.94
18	2.80	.5	6.6	9.24
19	2.33	.5	6.6	7.69
20	0.76	.5	6.6	2.51

BACKWATER CALCULATIONS

SECTION NO.	WS. ELEV.	LENGTH	AREA	W_p	n	$\frac{1.486(A)}{n}$	HR	HR^2	Shg	AVERAGE S shg	Q_{25}	v	v^2	$\frac{v^2}{2g}$	$h_v - h_2$	ΔH	W.S. ELEV.
0+00	478.0	200	145	52	.035	6156	2.79	1.98	.00046	—	262	1.8	3.24	0.05	—	—	478.0
2+00	479.9	200	38	29	.035	1613	1.31	1.20	0.1645	.01238	252	6.6	43.56	0.66	-0.61	1.9	479.9
4+00	486.1	200	75	34	.035	3184	2.21	1.69	.00211	.02876	252	3.3	10.89	0.17	0.49	6.2	486.1
6+00	489.8	200	30	16	.035	1274	1.88	1.52	0.1515	.02235	241	8.0	64.0	0.99	-0.82	3.7	489.8
8+00	492.4	200	39	18	.035	1656	2.17	1.67	.00694	.01105	241	6.1	37.2	0.57	0.42	2.6	492.4
10+00	496.1	200	27	16	.035	1146	1.69	1.42	.01747	.02098	230	8.2	67.2	1.05	-0.48	3.7	496.1
12+00	503.8	200	20	15	.035	849	1.33	1.21	.04583	.04255	218	10.9	118.8	1.84	-0.79	7.7	503.8
14+00	520.9	200	199	64	.035	8449	3.11	2.13	.00013	.07615	205	1.0	1.0	0.01	1.83	17.1	520.9
15+50	521.0	150	56	35	.035	2378	1.60	1.37	.00386	.00199	205	3.6	12.96	0.20	-0.19	0.1	521.0



DRAINAGE AREA MAP
STONEBRIDGE MEADOWS
PHASE FOUR
 ROCKWALL COUNTY, TEXAS

THREADGILL - DOWDEY and ASSOCIATES
 CONSULTING ENGINEERS DALLAS, TEXAS

DESIGN	DRAWN	CHECKED	DATE	SCALE	JOB	SHEET
J.G.B.	R.E.	J.C.H.	9-78	1/100'	506-E	2/4