	EXISTING 100-YEAR PEAK FLOW CALCULATIONS													
I.D. NO.	AREA (AC.)	С	Tc (MIN)	I ₅ (IN/HR)	Q ₅ (CFS)	I ₁₀ (IN/HR)	Q ₁₀ (CFS)	I ₂₅ (IN/HR)	Q ₂₅ (CFS)	I ₁₀₀ (IN/HR)	Q ₁₀₀ (CFS)	COMMENTS	DRAINS TO	
EX-1	3.524	0.35	20.0	4.90	6.0	5.90	7.3	6.6	8.14	8.3	10.24	SITE (EAST)	MEMORIAL DRIVE	
EX-2	7.712	0.35	20.0	4.90	13.2	5.90	15.9	6.6	17.81	8.3	22.40	SITE (WEST)	EXISTING POND	
A1	1.130	0.90	20.0	4.90	5.0	5.90	6.0	6.6	6.71	9.8	9.97	PER ECKERD'S PLAN	HEADWALL TO EXISTING POND	
A2	0.260	0.90	20.0	4.90	1.1	5.90	1.4	6.6	1.54	9.8	2.29	PER ECKERD'S PLAN	HEADWALL TO EXISTING POND	
B1	0.850	0.90	20.0	4.90	3.7	5.90	4.5	6.6	5.05	9.8	7.50	PER ECKERD'S PLAN	HEADWALL TO EXISTING POND	
B2	0.190	0.90	20.0	4.90	0.8	5.90	1.0	6.6	1.13	9.8	1.68	PER ECKERD'S PLAN	HEADWALL TO EXISTING POND	
В3	0.110	0.90	20.0	4.90	0.5	5.90	0.6	6.6	0.65	9.8	0.97	PER ECKERD'S PLAN	HEADWALL TO EXISTING POND	
B4	0.470	0.90	20.0	4.90	2.1	5.90	2.5	6.6	2.79	9.8	4.15	PER ECKERD'S PLAN	HEADWALL TO EXISTING POND	
OFF 18	0.755	0.90	10.0	4.90	3.3	5.90	4.0	6.6	4.48	9.8	6.66	EXISTING ROADWAY	CURB INLET TO EXISTING POND	
OFF 19	0.660	0.90	10.0	4.90	2.9	5.90	3.5	6.6	3.92	9.8	5.82	EXISTING ROADWAY	CURB INLET TO EXISTING POND	
OFF 20	0.981	0.90	10.0	4.90	4.3	5.90	5.2	6.6	5.83	9.8	8.65	*SEE NOTE IN THIS PLAN	EXISTING POND	

Q=C*I*A

*OFFSITE DRAINAGE AREAS TAKEN FROM QRV PHASE 1 AS BUILT PLANS DATED 4/10/2002.

100106 CENSE ONAL 10-19-2016
THE SEAL APPEARING ON THIS
DOCUMENT WAS AUTHORIZED BY
MARIA C. BONILLA-NICHOLLS
P.E. # 100106

> TABLE QUAIL AREA DRAINAGE GOLIAD ST RUN F ROCKWALL,

EXISTING SEC

DAL574

AS-BUILT

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10-19-2016 DATE

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