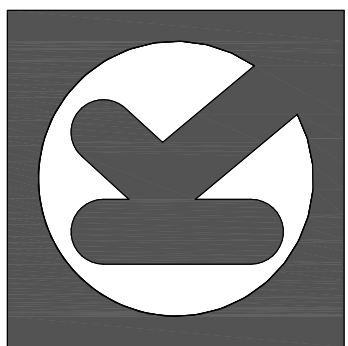


March 06, 2014

**PROPOSED CIRCLE K
CONVENIENCE STORE
2615 WEST PECAN STREET
PFLUGER VILLE, TEXAS 78660**



C-5.2

POST-DEVELOPED DRAINAGE SUMMARY															
VARIOUS STORM EVENTS															
CIRCLE K - TRAVIS COUNTY, TEXAS															
DRAINAGE AREA	AREA (AC)	Tc (MIN)	C(2 yr)	I (2 yr) (in/hr)	Q (2 yr) (cfs)	C(100 yr)	I (100 yr) (in/hr)	Q (100 yr) (cfs)	C(25 yr)	I (25 yr) (in/hr)	Q (25 yr) (cfs)	C(100 yr)	I (100 yr) (in/hr)	Q (100 yr) (cfs)	REMARKS
P1	0.30	5	0.75	5.76	1.30	0.83	8.57	2.13	0.88	10.11	2.67	0.97	12.55	3.65	INTO WATER QUALITY AND DETENTION POND
P2	0.47	5	0.75	5.76	2.03	0.83	8.57	3.34	0.88	10.11	4.18	0.97	12.55	5.72	INTO WATER QUALITY AND DETENTION POND
P3	0.28	5	0.48	5.76	0.77	0.54	8.57	1.30	0.59	10.11	1.67	0.68	12.55	2.39	INTO WATER QUALITY AND DETENTION POND
P4	0.26	5	0.29	5.76	0.43	0.35	8.57	0.78	0.39	10.11	1.03	0.46	12.55	1.50	INTO WATER QUALITY AND DETENTION POND
									TOTALS		9.55		TOTALS	13.26	
P5	0.06	5	0.29	5.76	0.10	0.35	8.57	0.18	0.39	10.11	0.24	0.46	12.55	0.35	BY-PASS WATER TO EXISTING GRADE INLET AT NWC.
P6	0.23	5	0.29	5.76	0.38	0.35	8.57	0.69	0.39	10.11	0.90	0.46	12.55	1.33	SHEET FLOW TO SARAH'S CREEK SUBDIVISION DRAINAGE
O-1	0.38	5	0.8	5.76	1.18	0.8	8.57	1.77	0.8	10.11	2.11	0.8	12.55	2.72	TXDOT SHEET FLOW TO POINT I - GRATE INLET
O-2	4.40	5	0.8	5.76	2.59	0.8	8.57	4.47	0.8	10.11	5.90	0.8	12.55	10.47	TXDOT SHEET FLOW TO POINT II, THEN TO GRATE INLET