

- NOTES:
1. DRAINAGE AREAS F-1 AND F-2 DRAIN OFFSITE, RELEASE AT PREDEVELOPED CONDITIONS, AND WILL REQUIRE ON-SITE DETENTION ONCE DEVELOPMENT OCCURS.
 2. ALL DEVELOPED SITES WILL REQUIRE DETENTION AND MUST RELEASE NO MORE RUNOFF THAN THE PREDEVELOPED RATE (C=0.35, $t_{d}=8.3$, TC=20 min).
 3. OVERFLOW INTO THE STREET FROM FAILURE TO DETAIN ON-SITE HAS BEEN CALCULATED USING THE DIFFERENCE BETWEEN THE PREDEVELOPED (C=0.35) AND THE DEVELOPED (C=0.9) CONDITIONS. THE DIFFERENCE IS SHOWN IN THE DRAINAGE AREA CALCULATION CHART AS ΔQ.

DRAINAGE AREA CALCULATIONS (C=0.35 IN OVERLAND AREAS)							(C=0.9 IN OVERLAND AREAS)			
AREA DESIGNATION	AREA (ACRES)	*C* FACTOR	CIA	TIME OF CONC (MINUTES)	100 (IN/HR)	Q100 (GFS)	*C* FACTOR	Q100 (GFS)	ΔQ (GFS)	REMARKS
A-1	0.42	0.90	0.38	10.0	9.8	3.7	0.90	3.7	0.0	IN STREET
A-2	0.45	0.90	0.41	10.0	9.8	4.0	0.90	4.0	0.0	IN STREET
A-3	0.45	0.90	0.41	10.0	9.8	4.0	0.90	4.0	0.0	IN STREET
A-4	0.49	0.90	0.44	10.0	9.8	4.3	0.90	4.3	0.0	IN STREET
A-5	0.46	0.90	0.41	10.0	9.8	4.1	0.90	4.1	0.0	IN STREET
A-6	0.47	0.90	0.42	10.0	9.8	4.1	0.90	4.1	0.0	IN STREET
A-7	0.63	0.90	0.57	10.0	9.8	5.6	0.90	5.6	0.0	IN STREET
A-8	0.67	0.90	0.60	10.0	9.8	5.9	0.90	5.9	0.0	IN STREET
A-9	0.46	0.90	0.41	10.0	9.8	4.1	0.90	4.1	0.0	IN STREET
A-10	0.42	0.90	0.38	10.0	9.8	3.7	0.90	3.7	0.0	IN STREET
A-11	0.52	0.90	0.47	10.0	9.8	4.4	0.90	4.4	0.0	IN STREET
A-12	0.50	0.90	0.45	10.0	9.8	4.4	0.90	4.4	0.0	IN STREET
C-1	0.64	0.90	0.58	10.0	9.8	5.6	0.90	5.6	0.0	IN STREET
C-2	0.58	0.90	0.52	10.0	9.8	5.1	0.90	5.1	0.0	IN STREET
C-3	0.65	0.90	0.59	10.0	9.8	5.7	0.90	5.7	0.0	IN STREET
C-4	0.72	0.90	0.65	10.0	9.8	6.4	0.90	6.4	0.0	IN STREET
C-5	0.72	0.90	0.65	10.0	9.8	6.4	0.90	6.4	0.0	IN STREET
C-6	0.72	0.90	0.65	10.0	9.8	6.4	0.90	6.4	0.0	IN STREET
C-7	0.62	0.90	0.56	10.0	9.8	5.5	0.90	5.5	0.0	IN STREET
C-8	0.62	0.90	0.56	10.0	9.8	5.5	0.90	5.5	0.0	IN STREET
C-9	0.58	0.90	0.52	10.0	9.8	5.1	0.90	5.1	0.0	IN STREET
C-10	0.56	0.90	0.50	10.0	9.8	4.9	0.90	4.9	0.0	IN STREET
F-1	2.91	0.35	1.02	10.0	9.8	10.0	0.90	47.5	29.1	DRAINS OFFSITE (SEE NOTE 1)
F-2	5.39	0.35	1.89	10.0	9.8	18.0	0.90	47.5	29.1	DRAINS OFFSITE (SEE NOTE 1)
G-1	2.99	0.35	1.05	10.0	9.8	10.3	0.90	26.4	7.7	DRAINS TO DITCH
H-1	10.41	0.35	3.64	10.0	9.8	35.7	0.90	91.6	27.1	DRAIN TO STUB OUT
H-2	7.40	0.35	2.59	10.0	9.8	25.4	0.90	65.3	16.1	DRAIN TO STUB OUT
H-3	5.16	0.35	1.81	10.0	9.8	17.7	0.90	45.5	11.8	DRAIN TO STUB OUT
H-4	5.53	0.35	1.94	10.0	9.8	19.0	0.90	48.8	13.9	DRAIN TO STUB OUT

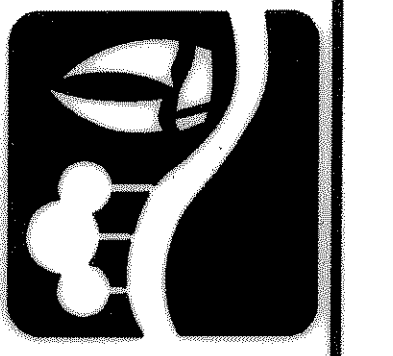
LEGEND

- DRAINAGE AREA DIVIDE
- PROPOSED INLET
- PROP. STORMDRAIN
- PROP. FIELD INLET
- FUTURE INLET
- FUTURE STORMDRAIN

**RECORD
DRAWING
08/04/06**

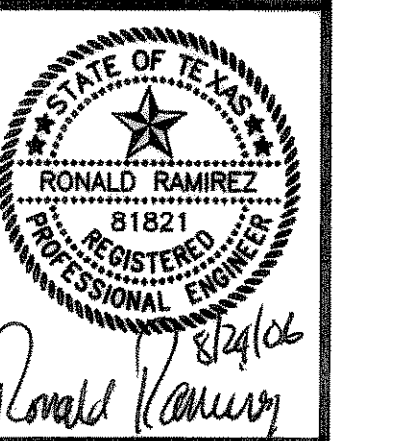
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**ROCKWALL
TECHNOLOGY
PARK
PHASE II**

**ON-SITE
DRAINAGE
AREA MAP**



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