NUMBER	ITEMS	NOT REQ'D	NOT DONE	SATISFIED	Drainage Report REVIEW # ____ BY ____ DATE ____ Location in Standards
	Drainage Report shall be prepared per section 3.2.2				
	Introduction				
1	Project Name and Description				3.2.2(C.1)
2	Size				
3	Location				3.2.2(C.1)
4	Vicinity Map				
5	Sealed by RCE				2.1.6(A), 3.2.2(B.1.b)
6	Narrative				3.2.2(C.1)
	Objectives				
7	Preliminary or Final Report				
8	Not confusing or complex				
	Drainage Characteristics Off -Site				
9	Location of project area				
10	Topo of existing drainage network				
11	Patterns & how it effects on-site drainage				
12	Drainage entering project-trib areas				
13	Floodplain boundaries				
14	Identification of SCS hydraulic soils groups found				
	Drainage Characteristics On-Site				
15	Planned conditions				
16	Peak flows, time of concentration				
17	Drainage leaving project				
18	watershed boundaries				
19	Relation to master plans				
20	Adjacent drainage plans				
21	FIRM classification				
	Exhibits				
22	Off-site watershed map				
23	On-site drainage map				
24	100yr floodplains				

Revised 6/5/2008

NUMBER	ITEMS	NOT REQ'D	NOT DONE	SATISFIED	Drainage Report REVIEW # ____ BY ____ DATE Location in Standards
25	Concentration points	☐	☐	☐	
26	Retention Basins	☐	☐	☐	
	Proposed Drainage Plan				
27	General description of system	☐	☐	☐	
38	Components	☐	☐	☐	
29	Design criteria	☐	☐	☐	
30	Effect on existing (above & below project)	☐	☐	☐	
31	Key pre & post runoff data	☐	☐	☐	
32	Storm water storage requirements	☐	☐	☐	
33	100% Retention of 100yr 6hr storm	☐	☐	☐	
34	Volume required	☐	☐	☐	
35	Volume provided	☐	☐	☐	
36	Location of storage	☐	☐	☐	
37	(include adjacent half-streets)	☐	☐	☐	
38	Perc tests for dry in 36 hrs	☐	☐	☐	
39	Major drainage structures	☐	☐	☐	
40	Special drainage facilities	☐	☐	☐	
41	Describe basis of setting elevations	☐	☐	☐	
42	Exhibits: On-site drainage plan (scale appropriate)	☐	☐	☐	
43	Tables: Development peak flows	☐	☐	☐	
44	Retention volumes	☐	☐	☐	
	Data Analysis Methods				
45	Hydrologic procedures	☐	☐	☐	
46	assumptions	☐	☐	☐	
47	Hydraulic procedures	☐	☐	☐	
48	methods	☐	☐	☐	
49	assumptions	☐	☐	☐	
50	Retention calculation methods	☐	☐	☐	
51	assumptions	☐	☐	☐	
52	Rational Method or rainfall runoff	☐	☐	☐	
53	**Summary and Recommendations**	☐	☐	☐	

NUMBER	ITEMS	NOT REQ'D	NOT DONE	SATISFIED	Drainage Report REVIEW # ____ BY ____ DATE Location in Standards
54	**References or Bibliography**	☐	☐	☐	
		☐	☐	☐	
	Appendix				
55	Data & calculations	☐	☐	☐	
56	Peak flow calculations	☐	☐	☐	
57	Channel design calculations	☐	☐	☐	
58	Culvert design calculations	☐	☐	☐	
59	Floodplain calculations	☐	☐	☐	
60	Storage volume calculations	☐	☐	☐	
61	Retention/Detention Basin Analysis & Design Calculations	☐	☐	☐	
62	Street capacity calculations including clogging factor 20% any inlet	☐	☐	☐	Table 3.3-1
63	Curb opening calculations	☐	☐	☐	
64	Scupper calculations	☐	☐	☐	
65	Catch basin calculations	☐	☐	☐	
66	Storm drain calculations	☐	☐	☐	
67	Special problem calculations	☐	☐	☐	
68	Sediment & scour calculations	☐	☐	☐	
69	Drywell per Basin calcs	☐	☐	☐	0.25cfs/DW, 32,400/36hr no clogging factor
	Other as required				
70	Finish floor to floodplain	☐	☐	☐	
71	Finish floor to natural ground	☐	☐	☐	
72	Finish floor to lot outfall 18"	☐	☐	☐	
73	Construction phasing	☐	☐	☐	
74	Erosion/sediment control plan	☐	☐	☐	
75	COE 404 permit	☐	☐	☐	
76	Special interim measures	☐	☐	☐	
77	Arterial flow=10yr between curbs, 50yr between property lines	☐	☐	☐	
78	Collector & Local flows=5yr between curbs, 50yr between the buildings	☐	☐	☐	
79	Perc test & results shall accompany all Drainage Reports	☐	☐	☐	3.3.6(C.8.b.2)
80	SWPPP & NOI included	☐	☐	☐	3.2.2(C.3.a)
81	Tc= 10 min per drainage area (not	☐	☐	☐	

NUMBER	ITEMS	NOT REQ'D	NOT DONE	SATISFIED	Drainage Report REVIEW # ____ BY ____ DATE ____ Location in Standards
	each lot)				
82	25% clogging factor on channel structures	☐	☐	☐	3.3.4(B.3)
83	Show scour velocity calcs for channels	☐	☐	☐	3.3.5(C.3)