Review of Plans for Individual Household Septic Systems

Name of Owner: _____ Property Tax Map # _____ (T) _____

Design Professional: _____ Date: _____ Watershed Review: _____ Date: _____

Health Dept. Review: _____ Date: _____ Resubmitted By: _____ Date: _____

ITEM	CODE	DESIGNER'S CHECKLIST			HEALTH DEPT. REVIEW	COMMENTS
General	75-A	Y	N	N/A		
1. Number and type of prints (3 required)	.2(b)(c)					
2. Prepared by licensed design professional (seal & signature required)	.2(b)(c)					
3. Engineer's report, if necessary	.2(b)(c)					
4. Space for approval stamp	.2(b)(c)					
5. Approval of watershed officials, if necessary	.2(b)(c)					
Review Application, Fee						
6. Signature (owner or agent)	.2(b)(c)					
7. All items completed	.2(b)(c)					
8. Application fee paid	.2(b)(c)					
Location Plan						
9. Lot layout drawn to scale						
10. Contours shown	Fig. 1					
11. Final grade indicated	.2(b)(c)					
12. Watercourses, swamps, rock outcrops, filled areas shown	.2(b)(c)					
13. Location sketch, as taken from U.S.G.S sheet	.2(b)(c)					
14. Roadside ditches, yard swales, surface flow directions indicated	.2(b)(c)					
15. General slope, by arrows with spot elevations	.2(b)(c)					
16. Finished floor elevations or acceptable benchmark (assumed or otherwise)	.2(b)(c)					
Soil Data						
17. Percolation test results (2 required; 3 recommended)	.4(d)(1)					
18. Include date performed, performed by, and location (all results must be included)						
19. Deep hole test results and location	.4(c-d)					
20. Record color of soil layers and indicate layers of compaction, if possible						
21. Record all groundwater (perched, apparent and seasonally high levels)	.4(c)(1)					
22. Record all mottling indicators (isolated pockets of grey or "washed" silts and sands etc.)	.4(c)(1)					

ITEM	CODE	DESIGNER'S CHECKLIST			HEALTH DEPT. REVIEW	COMMENTS
Topography & Elevation	75-A	Y	N	N/A		
23. Datum elevation (based on benchmark or finished floor elevation						
24. Finished floor elevation						
25. Circle one: hilly, rolling, steep slope, gentle slope, flat						
26. Existing wetlands on or adjoining property: indicate distance to wetlands from property line (if adjoining) or absorption field (if on property)						
27. Extensive grading necessary	.8(b)(4)					
28. Extensive fill necessary	.8(b)(4)					
29. Absorption Field Slope, maximum 15%	.4(a)(1)					
Individual Sewage Disposal						
30. Compliance with watershed rules	.2(a)					
31. Cellar drainage, disposal method shown on plans; surface drainage to be diverted away from the absorption field	.3(a)					
32. Separate pumps for laundry waste and cellar infiltration indicated by note and shown on plan	.3(a)					
33. Size, material, slope, tight joints for raw sewage line	.5(a)(b)					
34. Size, material, slope, tight joints for septic tank effluent line						
35. Separation between house water service and sewage (10' min)	.5(c-d)					
36. Separation between any water service line/main and absorption facility (10' min)	.5(c-d)					
37. Sewage treatment systems shown in front of houses, if public sewers anticipated						
38. Sewage absorption system not under driveways, pools, buildings	.8(b)(1)(iii)					
39. Bends in raw sewage eliminated (max. Single bend 45°L, if necessary) cleanout provided	.5(a)					
40. Location of existing wells and absorption fields (100' separation, 200' if down gradient)	Table 2 Fig 1-2					
Distribution Box						
41. Details	.7(a-b)					
42. Baffle	.7((a)(1&3)					
43. Inlet at least 2" above outlet	.7(a)(1)(iv)					
44. Box set on a bed of sand or pea gravel at least 12" thick						
Septic Tank						
45. Distance from house	Table 2					
46. Tank set on a bed of sand or pea gravel at least 3" thick						
47. Septic tank should be 1,000 gallon min. capacity below outlet invert, with a 250 gal. increase for garbage grinders; each septic tank should have an adequate volume and liquid depth and 1" clearance for venting	.6(b)(1)(iv) Table 3					
48. Sanitary tee or baffles	.6(b)(1)(v)					
49. Two inch drop between inverts of inlet and outlet	.6(b)(1)(vii)					
50. Gas deflection baffle on outlet where required						
51. Effluent filter on outlet						
52. Multi-compartment tank or tanks in series when required						

Tile Field						
53. Gravelless leach line proposed – circle one: chambers, geotextile sand filter, other	.8(c)					
54. Size, material, slope of laterals (4"dia., 1/16" per ft. max., 1/32" per ft. min.)	.8(b)(3-4)					
55. Cross-section of lateral trench						
56. Lateral trenches equal length (show length of trench)						
57. Maximum length of lateral trench 60 ft. (with gravity distribution)	.7(a)					
58. Width & depth of lateral trenches (width 24", depth 18-30")	.8(b)(2)					
59. Separation between trenches (4' min. between walls of adj. trenches, 5' or more desirable)	.8(b)(2)(ii)					
60. Distance from property line (10 ft. min.)	Table 2-Fig. 1					
61. Distance from existing wells (100' min., 200' if uphill from well)	Table 2-Fig. 1					
62. Number of bedrooms indicated	Table 4A					
63. Required absorption area (total and per bedroom)	Table 4A					
64. Additional absorption area available for expansion indicated on site plan	.4(5)					
65. Required minimum distances: 20' to storm drain pipe, 100' to body of water, 10' to water line, 20' to open ditch	Table 2 Fig. 1-2					
66. Recommended distances: 10' to natural gas, electric, and/or telephone lines						
67. Ground water 2 ft. below bottom of trench	.8(b)(1)(ii)					
68. Pump chambers equipped with alarm	.7(b)(8)					
69. Dose volume specified						
70. Pump chamber sized to hold minimum one day design flow above alarm level						
Additional Design Notes:						