CHECK LIST – DESIGN PLANS

1. Original signature and seal of design engineer on each copy of plans
   (Blue print of seal and signature is unacceptable)

2. Plan drawn to scale; 1 inch = 20 feet or 30 feet for residential lots; 1 inch = 40 feet or 50 feet for large projects such as schools, shopping centers. "Key" or "Location" maps may be inserted on large residential, industrial or commercial properties with proper scale addressing building and sewage disposal areas only.

3. Mailing address of engineer

4. Lot size with dimensions of property lines

5. Lot numbers or assessors map block and lot identification

6. Legend to identify various indicators of stone walls, test pits, wells, hay bales, etc.

7. Existing contours in building and leaching areas

8. Proposed contours showing fill extensions, cuts, walls

9. Cross sections through leaching area indicating elevations of system, ledge, curtain drain, ground water, etc.

10. Building sewer line to septic tank

11. Septic tank location

12. Pump chamber location, chamber cross section showing manhole, float controls, discharge volume.

13. Effluent distribution piping, "D" boxes

14. Leaching system layout (trenches, pits, bed or galleries) with dimensions on center

15. Invert elevations at foundation wall, inlet and outlet of septic tank, inlets and outlets at distribution boxes and at all leaching systems.

16. Stable benchmark adjacent to proposed building and sewage disposal system. Installer should not be required to transfer benchmarks when considerable differences (more than 10 feet to 15 feet) exist between the benchmark and leaching area. If the benchmark is disturbed prior to construction, the engineer should set another one for construction purposes.

17. North arrow (may be true, magnetic or assumed, note on plan)

18. Number of bedrooms or basis of design including proposed use of building
    Example: light manufacturing, 30 employees @ 25 GPD - 750 GPD

19. Required leaching area by Code. Example: 4 bedroom home, less than 10.1 min/inch = 660 sq. ft.

20. Written description of leaching system proposed indicating effective area provided. Example: 3 rows of leaching trench, 75 feet long, 48 inches wide = 225 sq. ft.

21. Soil test data shown on plan including deep test hole soil descriptions and all time and measurement readings of the percolation test

22. Test hole locations including perc test holes. Show all tests

23. Dimension leaching system lengths, distances from tank to building, system to building, system to walls, embankments, drains, etc. Do not rely on installer to accurately scale critical dimensions off the plan.

24. Well location with protective radius. Recommend increasing minimum 75 feet distance for private residential well where possible to provide maximum protection. Locate well to avoid condemnation of suitable leaching areas on adjacent properties.

25. Locate wells, septic systems and other potential sources of pollution on adjacent properties. If none exist, note on plan.

26. Show building footing drain discharges (90% of homes have foundation/footing drains), storm drains in roads, streams, brooks, drainage swales, swamps, ponds or other watercourses

27. Identify ledge rock outcrops, wet surface areas, old bury holes, filled-in foundations, etc.

28. Show existing structures on same lot

29. Locate public water lines in road and show water service line to building

30. Locate human habitations on adjacent lots

31. Show detail of leaching system proposed

32. Show detail of curtain drain.

33. Indicate driveway location

34. Provide detail specifications for materials to be used such as fill, force main piping, pump model and manufacturer, H-20 wheel loading for pits or galleries under pavement, curtain drain backfill, manhole frames and covers and other non-typical items required for design

35. Identify reserve leaching area by layout of a leaching system of acceptable size

36. Revision dates

37. Indicate location of buried oil tanks (must be 75′ from private wells).