

# Pierce County

Department of Planning and Land Services  
Development Engineering Section

OWNER'S NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

APPLICATION NO.: \_\_\_\_\_ BY: \_\_\_\_\_

*Circled items need to be addressed. Checked items are OK. A determination cannot yet be made on items left blank. Address these items. If you believe a particular blank item does not apply, state this explicitly.*

## SFR INFILTRATION TRENCH REVIEW CHECKLIST

### Calculation Sheet (pages 2 & 3)

1. \_\_\_ Correct areas for roof and driveway shown. Step 1. (SDM 5.4.4.1)
2. \_\_\_ Driveway runoff addressed.
3. \_\_\_ Maximum of 5,000 square feet of tributary area to a system. Step 1. (SDM 5.4.4.1)
4. \_\_\_ Soil has an infiltration rate 1 - 60 minutes/inch. Step 1. (SDM 5.4.4.1)
5. \_\_\_ Correct trench depths shown (1' to 4'). Step 2. (SDM 5.4.4.1)
6. \_\_\_ Correct multipliers used. Step 3. (SDM 5.4.4.1)
7. \_\_\_ Correct trench widths shown (2' to 4'). Step 4. (SDM 5.4.4.1)
8. \_\_\_ Trench lengths calculated correctly. Step 5. (SDM 5.4.4.1)
9. \_\_\_ Calculation sheet signed and dated by designer.

### Sizing Table (page 4)

10. \_\_\_ Sizing Table shown with multiplier used in design delineated.

### Sediment Control Structure (page 5)

11. \_\_\_ Standard worksheet sediment control structure shown. (SDM 5.4.4.1)
12. \_\_\_ All sediment control structures have a solid locking lid. Grates are not allowed. (SDM A 11.1)

### Plan (page 6)

13. \_\_\_ Standard worksheet plan shown.
14. \_\_\_ Lengths and widths shown.
15. \_\_\_ Maximum trench length is 100' from sediment control structure. (SDM 5.4.4.1)

**Profile** (page 7)

16. \_\_\_ Standard worksheet trench profile shown. (SDM 5.4.4.1)

**Trench Section** (page 8)

17. \_\_\_ Correct trench section shown. (SDM 5.4.4.1)  
18. \_\_\_ Correct depth shown for roof system.  
19. \_\_\_ Correct depth shown for driveway system.

**Soils Log Evaluation Report** (page 9)

20. \_\_\_ Soils Log Evaluation Report Form is complete. (SDM 5.4.4.1)  
21. \_\_\_ Soils Log Evaluation Report is stamped and signed by Soils Professional.  
22. \_\_\_ A minimum of 1 soil log taken per trench. (SDM 5.4.4.1)  
23. \_\_\_ Soil log(s) extends at least 18" below trench bottom. (SDM 5.4.4.1)  
24. \_\_\_ A minimum of 18" of separation between the trench bottom(s) and impervious layer or groundwater. (SDM 5.4.4.1)  
25. \_\_\_ Trench(s) located in native soils and has not been subject to compaction. (SDM 5.4.4.1)

**Site Plan** (page 10)

26. \_\_\_ Acceptable that driveway is routed to a landscaped area with a grade of < 2%, group A soils and a distance of 25' in lieu of routing to an infiltration trench. (SDM 5.4.3)  
27. \_\_\_ Infiltration trench(s) is setback from slopes > 25% a minimum of 25 feet. (SDM 5.4.4.1)  
28. \_\_\_ Site plan drawn to scale (1" = 20'), north arrow, roads, driveway, buildings, easements and buffers shown. (SDM 4.9)  
29. \_\_\_ Location of soil log(s) shown on site plan. Soil logs taken at the location of the proposed trench(s).  
30. \_\_\_ On-site septic and reserve areas shown. (SDM 4.9)  
31. \_\_\_ Infiltration trench(s) located at least 10' from septic primary drainfield, reserve area, septic tank or pump chamber.  
32. \_\_\_ 2-foot contours shown. (SDM 4.9)  
33. \_\_\_ Sediment control structure(s) setback from structures a minimum of 5 feet. (SDM 5.4.4.1)  
34. \_\_\_ Sediment control structure(s) located at the beginning of the infiltration trench. (SDM 5.4.4.1)  
35. \_\_\_ Trench(s) located 10' from property line, private road easement or structure. (SDM 5.4.4.1)  
36. \_\_\_ Trench(s) located on downhill side of structure.  
37. \_\_\_ Trench(s) located parallel to contours.