

SAMPLE ENGINEERING REPORT
FOR
SUBSURFACE DRIP DISPERSAL SYSTEMS

PROJECT TITLE: _____

Prepared By: _____

Date: _____

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1 Calculation of Flows and Storage

The designer shall provide the calculations for the following design wastewater flows.

- 1.1 Average Daily Flow
- 1.2 Peak Flow
- 1.3 Emergency Storage
- 1.4 Other Storage Requirements

2 Requested Variances

The designer shall list all requested variances from the Design Regulations for Subsurface Drip Dispersal Systems in this Section.

The documentation for the requested variances shall be included in Appendix F.

3 Discussion of Wastewater Treatment System

The designer shall provide a detailed analysis of the treatment system selected for the SDD system.

Manufacturer's literature shall be included as Appendix B.

4 Pump Selection

The designer shall show the calculation of the pump capacities required to operate the system.

- 4.1 Flow Capacity
- 4.2 TDH
- 4.3 Pump Manufacturer and Model

Manufacturer's literature, including pump curve, material components, O&M material, warranties and other pertinent information shall be included as Appendix C.

5 System Design Calculations

The designer shall complete the SDD system design spreadsheets provided by either Geoflow, Inc. or Netafim USA.

The completed design spreadsheets shall be included as Appendix D.

6 Soil Site Assessment and Site Plan

The Soil Site Assessment shall be included as Appendix A. The Site Plan (scale: 1 inch = 50 feet) shall be included as Appendix E.

Appendix A. Soil Site Assessment

Appendix B. Wastewater Treatment System

Appendix C. Pump Data

Appendix D. System Design Calculations

Appendix E. Site Plan

Appendix F. Documentation for Requested Variances