

DRAFT

SAMPLE ENGINEERING REPORT

FOR

SUBSURFACE DRIP DISPERSAL SYSTEMS

PROJECT TITLE: XXXXXXXXXXXXXXXX

Prepared By: xxxx xxxx

Date: xx/xx/xxxx

Contents

1	Calculation of Flows and Storage	1
1.1	Average Daily Flow	1
1.2	Peak Flow.....	1
1.3	Emergency Storage.....	1
1.4	Other Storage Requirements	1
2	Calculation of Soil Loadings	1
2.1	Laboratory Soil Loading Rate.....	1
2.2	Soil Loading Rate from Manufacturer's Tables	1
2.3	Laboratory Soil Loading Rate.....	1
3	Discussion of Wastewater Treatment System	1
4	Pump Selection	1
4.1	Flow Capacity.....	1
4.2	TDH	1
4.3	Pump Manufacturer and Model.....	1
5	System Design Calculations.....	1
6	Site Preparation Plan	2

Appendices

- Appendix A Soils Report
- Appendix B Wastewater Treatment System
- Appendix C Pumps
- Appendix D System Design Calculations
- Appendix E Site Preparation Plan

1 Calculation of Flows and Storage

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

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

2 Calculation of Soil Loadings

The designer shall list the following soil information included in the soils report. Include the soils report in Appendix A of the Engineering Report.

- 2.1 Soils Report Soil Loading Rate
- 2.2 Soil Loading Rate from Manufacturer's Tables
- 2.3 Laboratory Soil Loading Rate

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 Site Preparation Plan

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

DRAFT

Appendix A. Soils Report

DRAFT

Appendix B. Wastewater Treatment System

DRAFT

Appendix C. Pumps

DRAFT

Appendix D. System Design Calculations

DRAFT

Appendix E. Site Preparation Plan

DRAFT