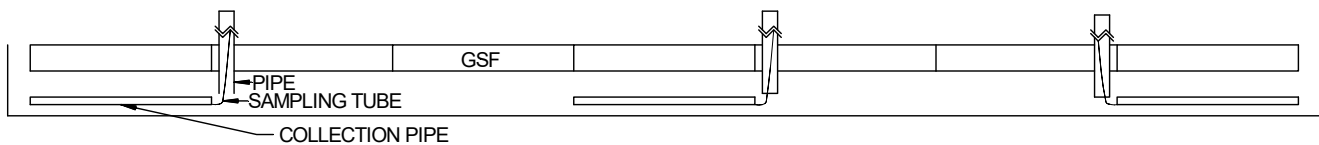


Treated Effluent Sampling Port Installation

OVERVIEW

1. Determine the location of the System Sampling Port within the system. We recommend that a minimum of three Sampling Collection Pipes are placed within the same row. One Sampling Collection Pipe under the first module, one under the last, and one in the middle of the row. Pressurized systems may use the valve and cleanout ports for sample tube access instead of the depicted Sampling Tube. Standard observation ports are also acceptable.

FIGURE 1: System Sampling Port Locations



2. The System Sampling Port consists of:
 - a. Sampling Collection Pipe
 - b. Sampling Tube
 - c. Sampling Tube Storage Pipe
3. Carefully lay out the system area and boundaries.
4. Prepare the site. Excavate a trench to the design elevation for the system.

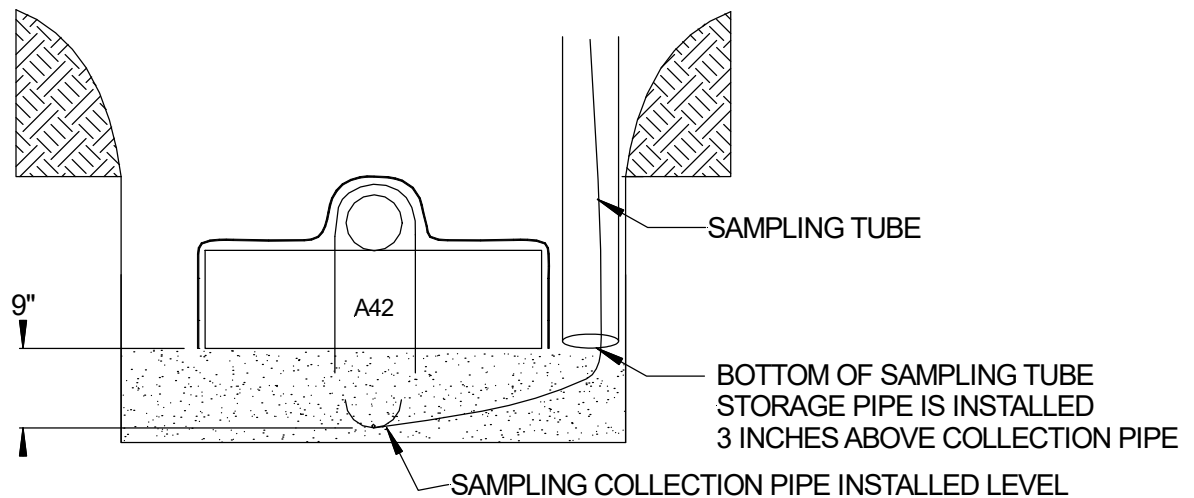
SAMPLING COLLECTION PIPE & SAMPLING TUBE INSTALLATION

1. In the excavated trench, place Specified Sand in a 3 inches lift and stabilize.
2. Place the three Collection Pipes level in the Trench, Bed or Mound under the location of the first, middle and last module of a row. The Sampling Collection Pipe should be centered underneath the GSF Module (Figure 2). **Keep the sampling tube out of the way and out of the trench.**
3. Place remaining Specified System Sand in the system area, filling the Collection Pipe with the Specified Sand. The height of Specified Sand should now be a minimum 12 inches high within the system area.

Treated Effluent Sampling Port Installation

4. Pull the Sampling Tube through the Sampling Tube which is installed on top of the Specified Sand Layer. It should be located at the outside edge of the proposed location of the GSF unit area to be sampled. The Sampling Tube Storage Pipe should be tall enough to make it to the surface.

FIGURE 2: Installation of Sampling Tube Storage Pipe



Note: Separation distance from the bottom of the GSF module to the bottom of the Sampling Tube Collection Pipe must be a minimum of 9 inches.

5. The stabilized Specified Sand height below the GSF module must be a minimum of 9 inches. A hand tamper is sufficient to stabilize the Specified Sand below the GSF modules.
6. Complete installation of the GSF system according to your plan and Design and Installation Manual.