

# BIOSOLIDS LAGOON PILOT PROJECT

A REPORT ON SOLUTIONS TO EXCESS BIOSOLIDS  
IN TROUTDALE'S WATER POLLUTION CONTROL  
FACILITY LAGOON



**PROPERTY MAP – WATER POLLUTION CONTROL FACILITY AND ADJACENT GSA 2.3 ACRE PARCEL**

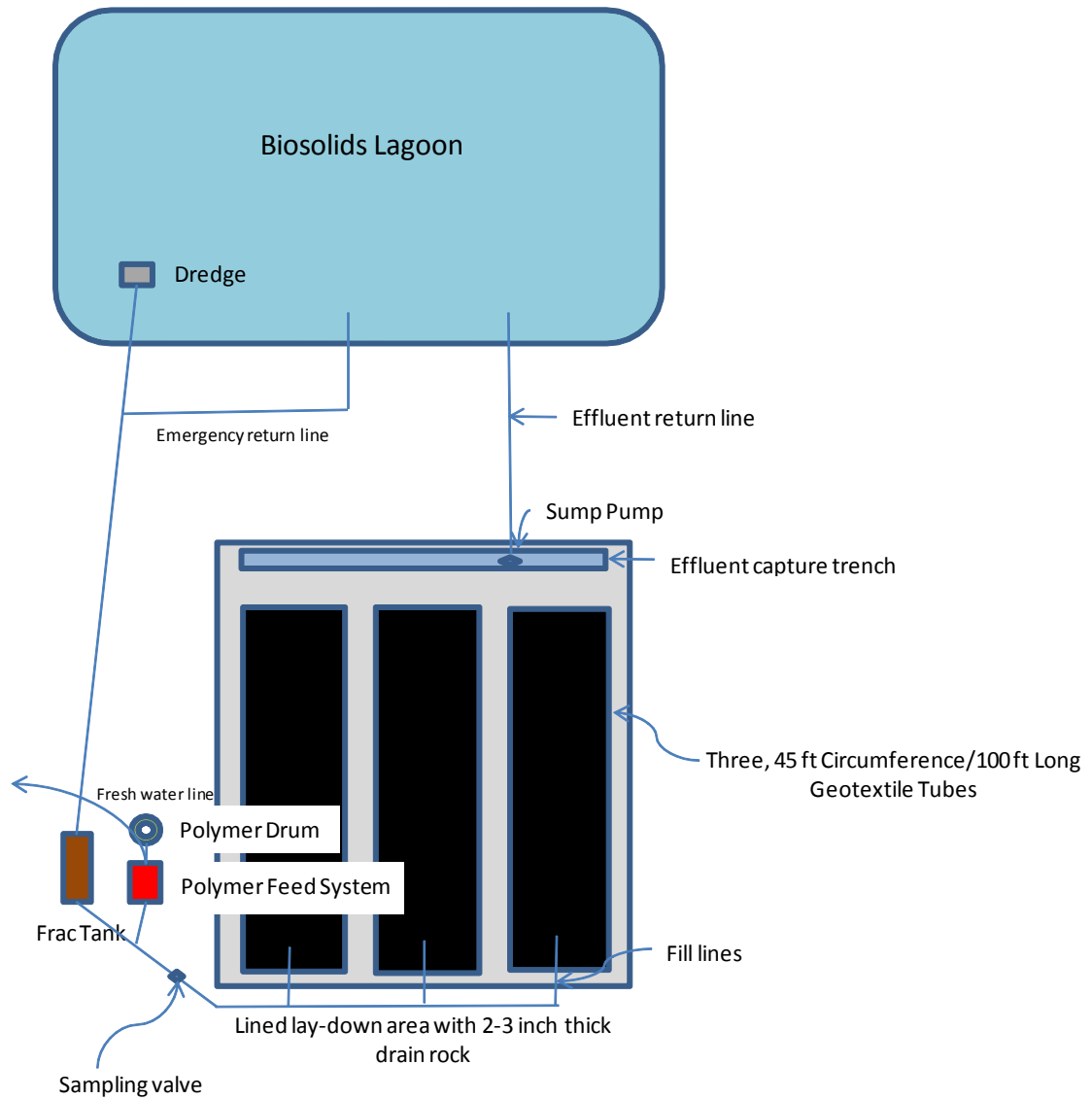
**BIOSOLIDS ARE FILLING UP THE LAGOON.**



# Design assumptions

- ▶ Volume of existing biosolids lagoon is as follows:
- ▶ Design volume =  $496.5' \times 6' \text{ deep} \times 165' = 4.2 \text{ Million gallons}$
- ▶ EXISTING Maximum volume @ 9' deep = 6.8 Million gallons \*assumes 1' freeboard.
- ▶ Lagoon has approximately 5% solids
- ▶ Previous effort to contract hauling of biosolids would have only reduced lagoon volume by 15% for a cost of \$100,000.

# PILOT PROJECT LAYOUT



# Sample GeoTubes



# BIO-SOLIDS MOVIE





## THE PILOT PROJECT HAS BEGUN >>

ESTIMATED COST \$34,000 FOR 3 TUBES

City will provide labor