

US EPA ARCHIVE DOCUMENT

# Design Criteria

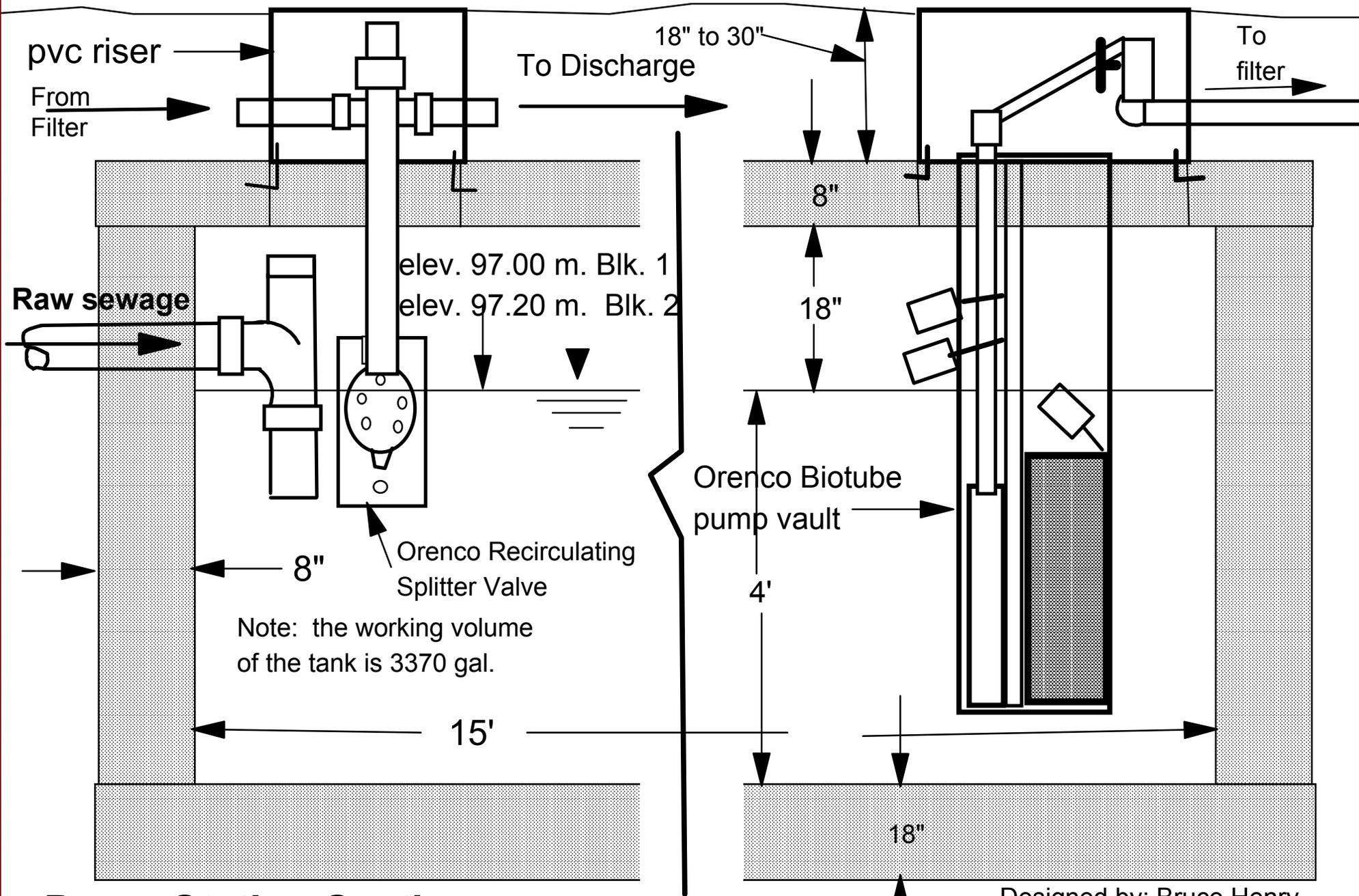
- Treat wastewater for two blocks
- 20 homes per block
- 5 persons per home
- 45 gallons per person

# Wastewater Treatment System

- Septic tanks at homes provide primary treatment.
- Recirculating Sand Filter provides secondary treatment.
- Small Diameter Collection line ( 4-inch diameter PVC)

# Pumping Station Design Information

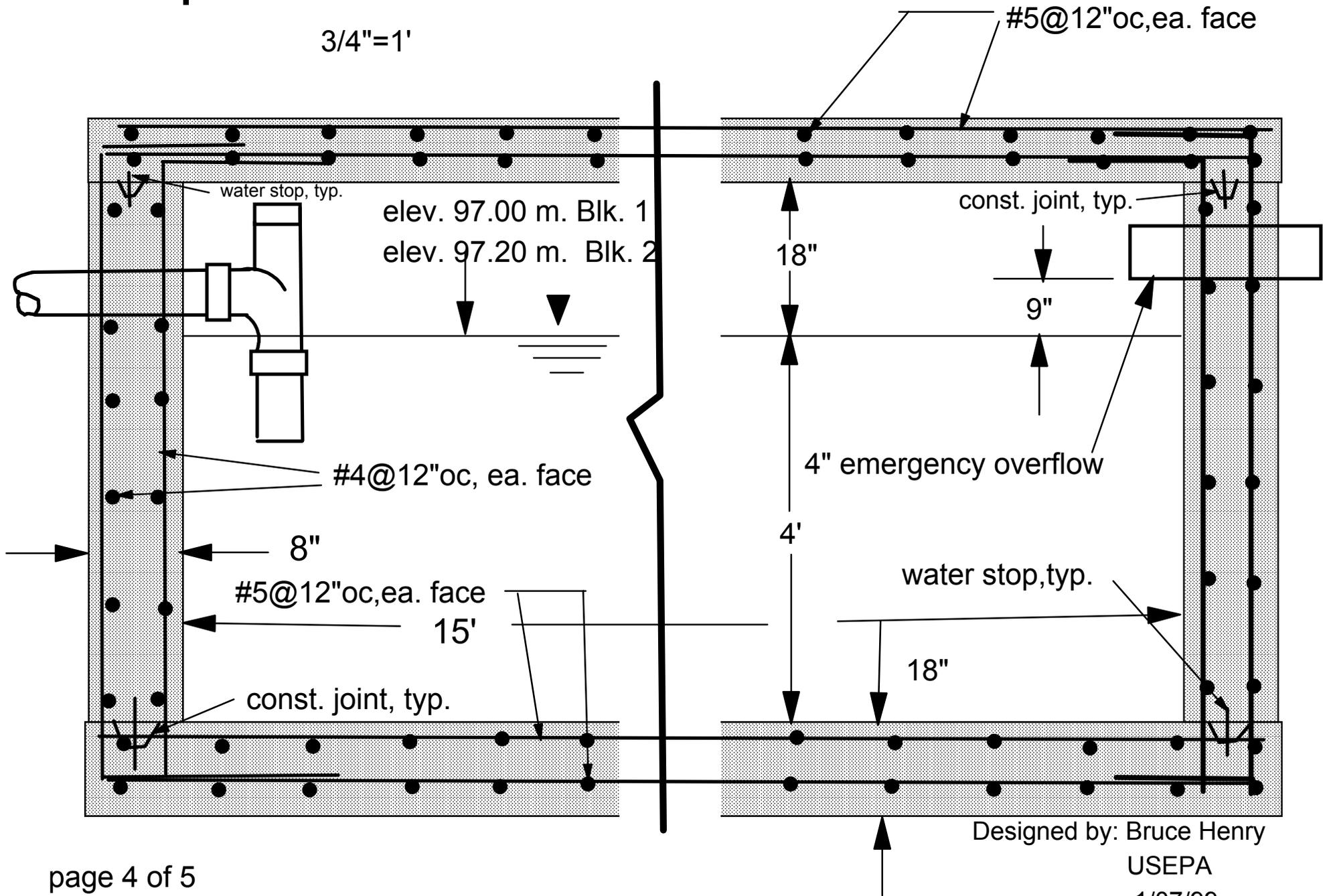
- 24 hour detention time
- 3370 gallon capacity
- Water proof tanks

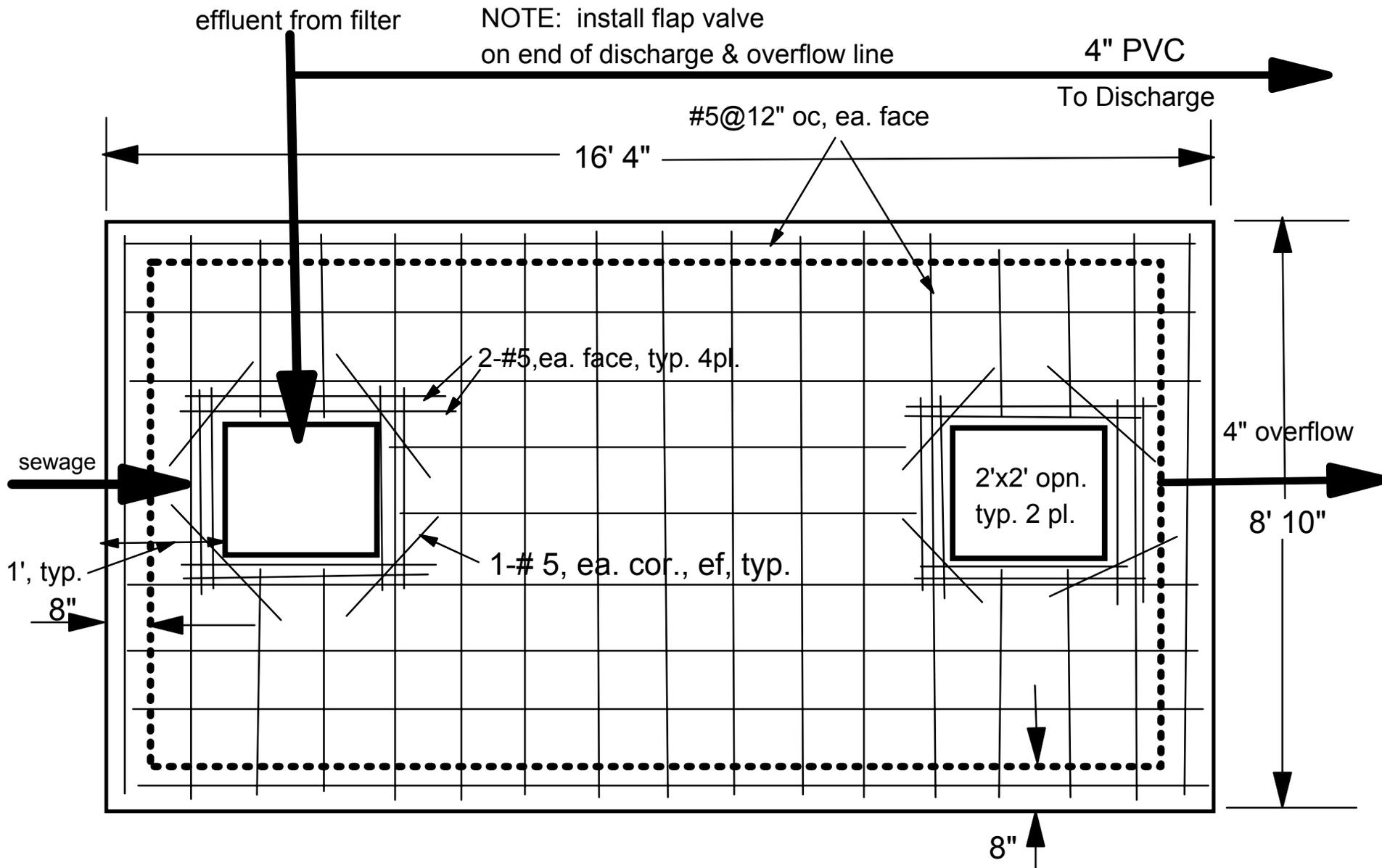


### Pump Station Section

# Pump Station Section-structural

3/4"=1'





### PUMPING STATION - PLAN

1/2"=1'

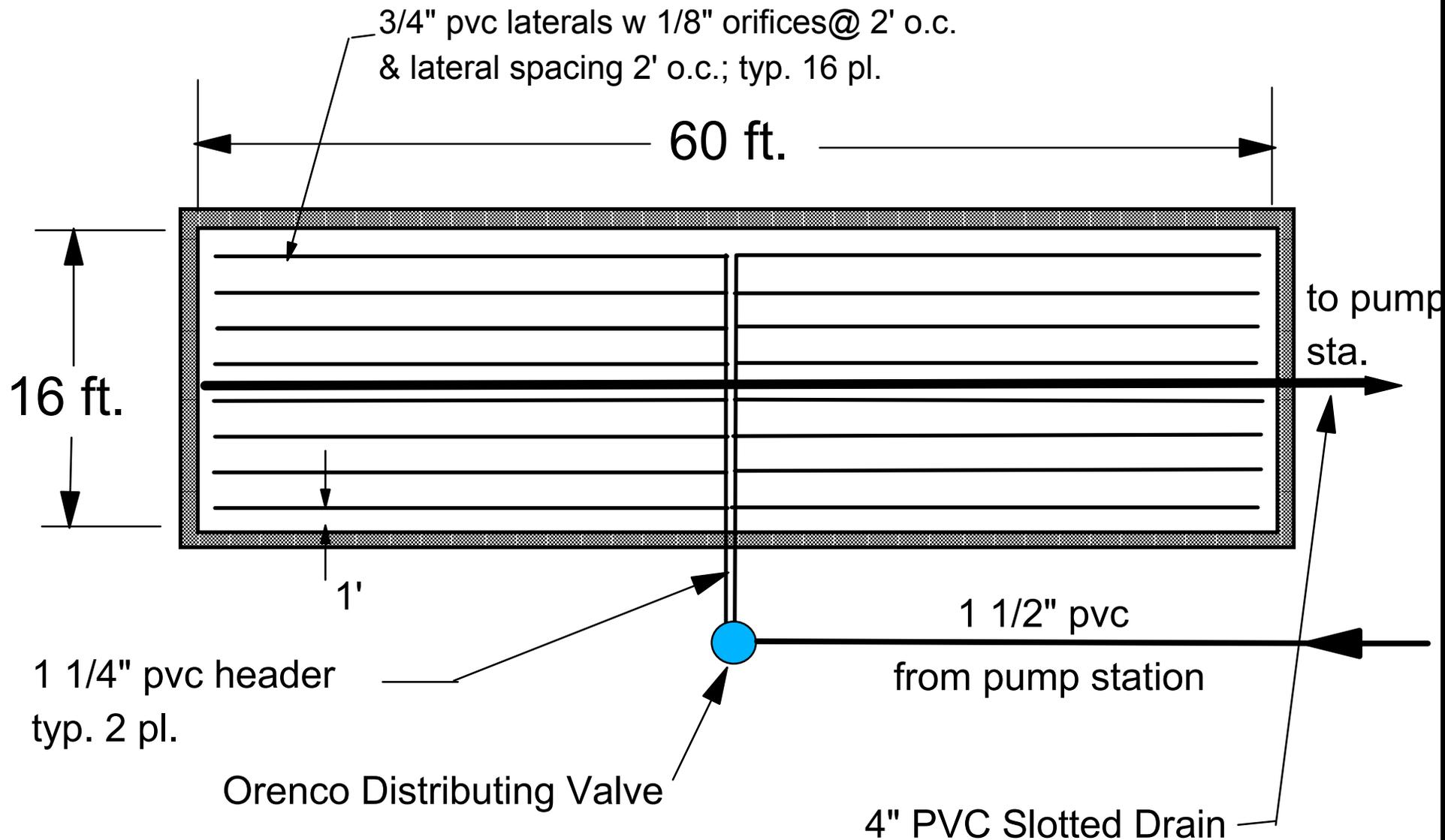
Designed by: Bruce Henry

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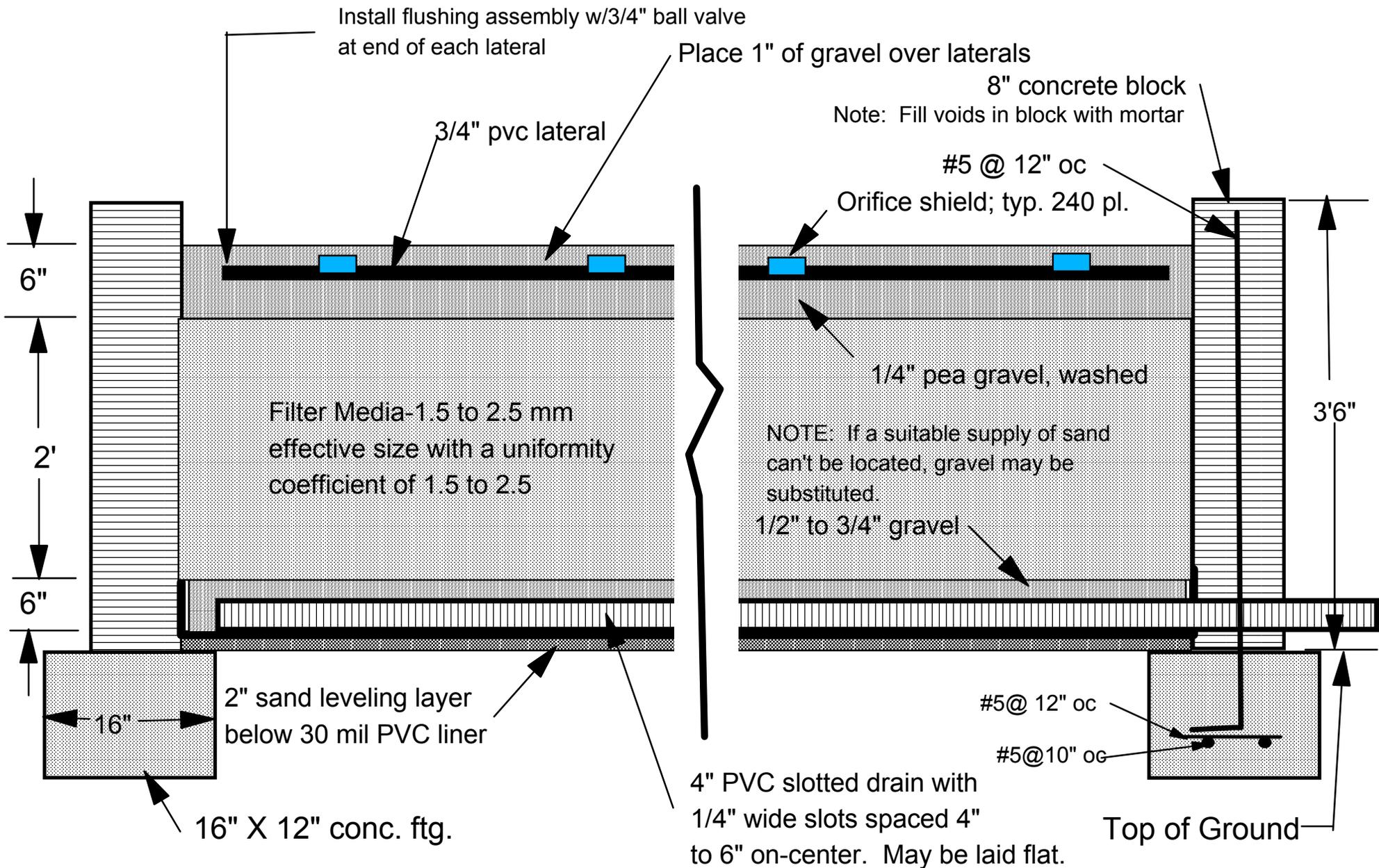
# Recirculating Sand Filter Design Information

- Application rate - 5 gallon per day per square foot
- Each recirculating sand filter has 4800 gallon capacity



# Recirculating Sand Filter Plan

1/8"=1'



# SIDE ELEVATION-FILTER

1" = 1'

Designed by: Bruce Henry

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12/23/98

See Orenco DWG. 1RSF