

Wedotanks.com Systems, LLC

PRECAST CONCRETE TANKS For Wastewater Treatment Systems

Pouring base slab

Sloped Floors

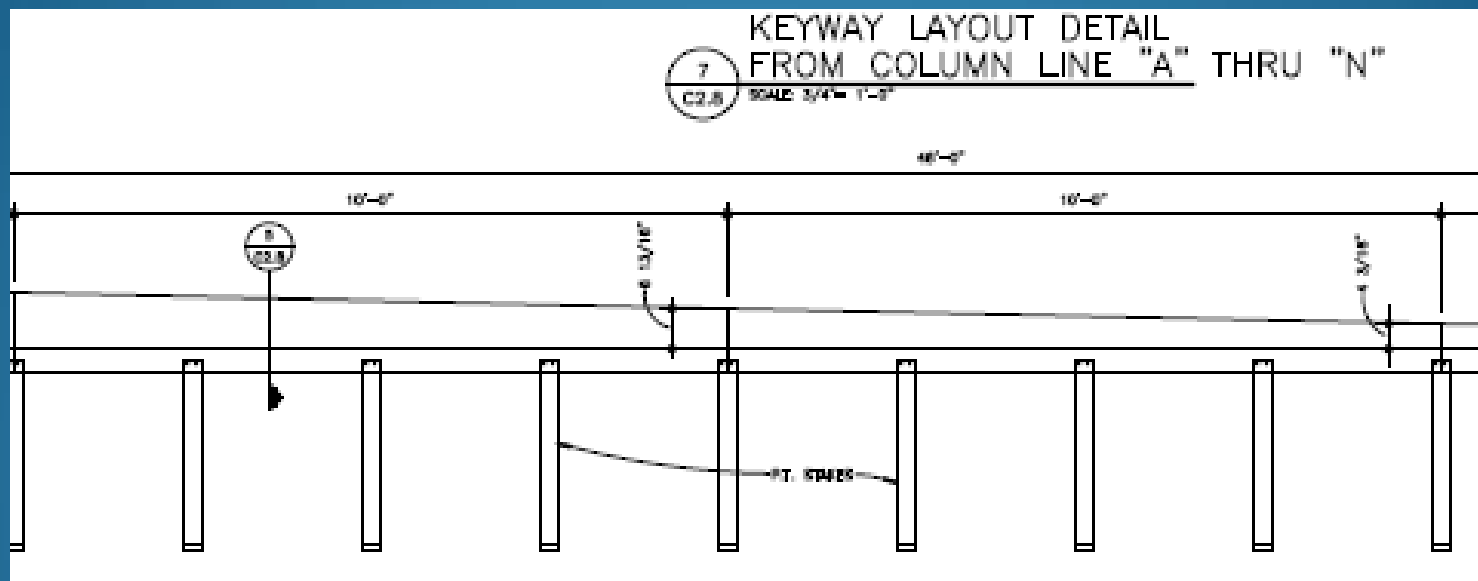
Individual compartments

Virtually no limit to size



Keyway Forms for sloped floor

Bottom of keyway form is laid level-sides are sloped



Erecting Precast

Panels are delivered to site by truck or they can be poured right on site

A crane sits on slab & lifts panels into place



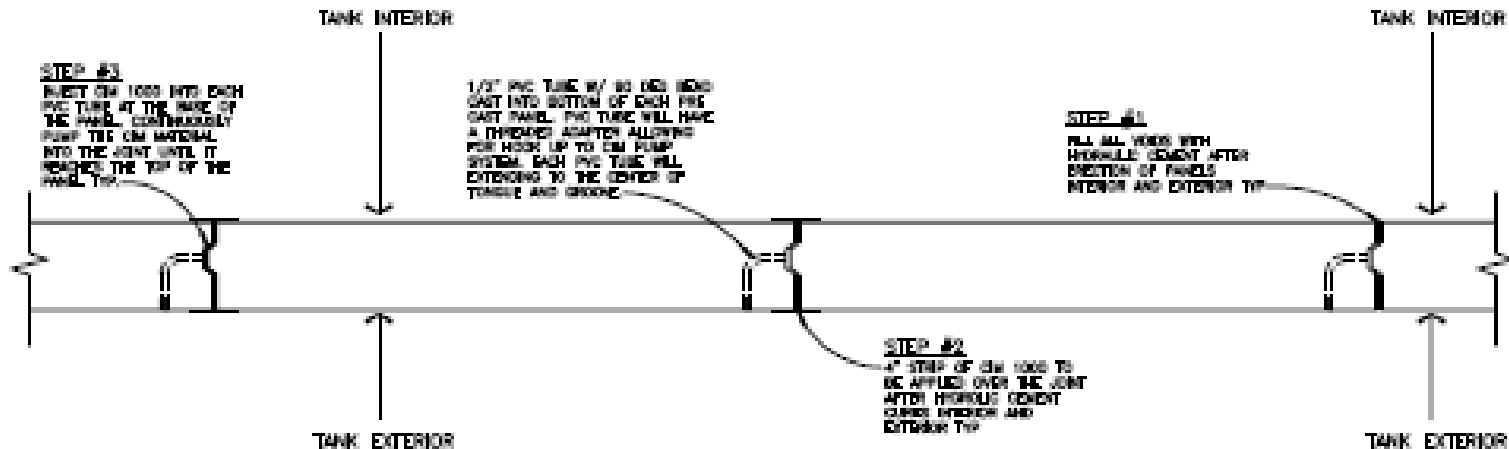
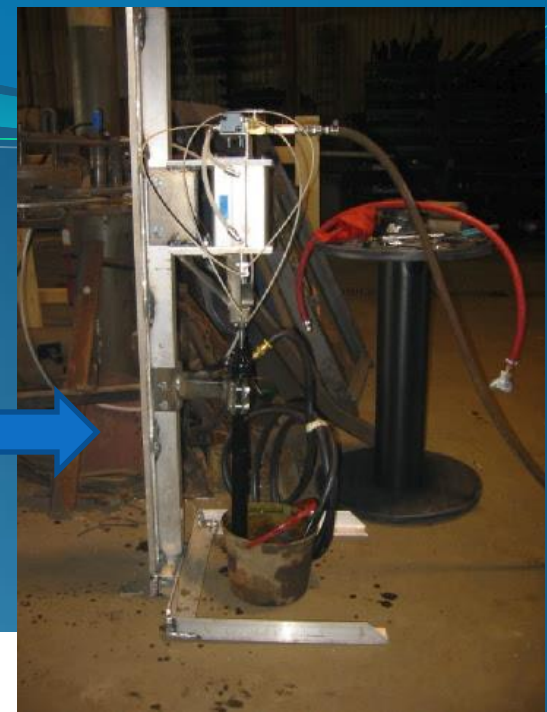
Joint Sealing

After erection complete, joint sealing procedure implemented.

1. Hydraulic cement is applied to joints inside and outside of tank.
2. A 3" -4" strip is applied over the joint once grout is set up.
3. CIM 1000 is injected into the joint at bottom of panel until it comes out at top of panel.

Joint Sealing Cont.

Procedure & Special Pump



TYPICAL SECTION:
**VERTICAL JOINT IN
VERTICAL WALL PANEL**
SCALE: 3/4" = 1'-0"

Joint Sealing Cont.

Typical Core samples for piping through tank walls



EXTERIOR FINISH

Plain finish



Decorative finish



WATER TESTING

Each compartment is water tested to approximately one (1) foot below the top of the panel. Adjacent compartments are empty.

Tanks are tested with no backfill around the outside.

Once testing is completed, tanks are drained, backfilling to desired level can be completed and tank(s) are ready for service.

Extended Aeration WWTP



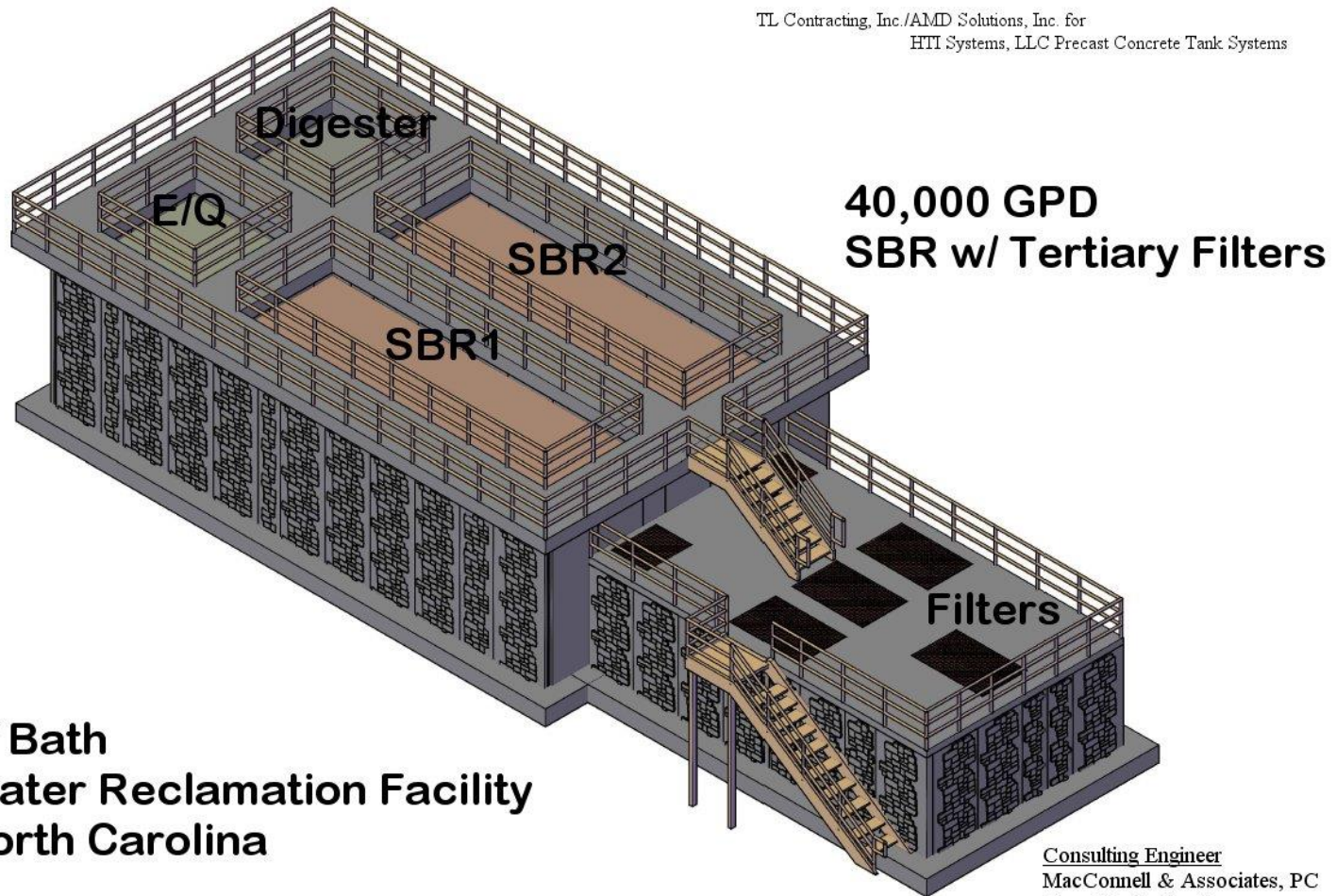
- ✓ Decorative Exterior Finish
- ✓ Catwalks and railings around each tank
- ✓ Air lift pumps for efficient pumping
- ✓ All equipment accessible for catwalks
- ✓ Hoist provided to lift heavier equipment
- ✓ Complete redundancy built in



SBR with Tertiary Filters

Design, Engineering & Construction by:

TL Contracting, Inc./AMD Solutions, Inc. for
HTI Systems, LLC Precast Concrete Tank Systems



**Town of Bath
Wastewater Reclamation Facility
Bath, North Carolina**

Consulting Engineer
MacConnell & Associates, PC
Cary, North Carolina

Design & Engineering by Wedotanks.com
Systems, LLC

3/27/2014

SBR with BNR (Biological Nutrient Removal)



- ✓ All equipment accessible for top of tank
- ✓ Equipment plugs for ease of changing pumps & other equipment

Design & Engineering by Wedotanks.com

Expansion made easy to existing plants

- ✓ Simply add 3 sides to existing plant-(We design this into our plants)
- ✓ Existing plant remains in complete operation during expansion process
 - 30K/day addition to existing 60K Extended Aeration Plant-
New capacity is 90,000 Gal/Day.
 - Also added sodium hypochlorite addition for disinfection



Expansion made easy

Expansion to existing Tank Systems

Our precast concrete tank system is easily expandable, simply by adding three (3) additional sides to any of our tank systems. An example of a recent expansion is shown below.

During original construction extended footings are added on the side to be expanded.



Base slab and footings for new addition are added while the existing plant remains in operation.



Completed plant is ready for service

This was a 30,000 GPD addition to an existing 60,000 GPD plant



Design & Engineering by Wedotanks.com
Systems, LLC

Precast Concrete or Cast-in-Place – We do both



Harbor Beach-3.0MG CSO

(Combined Sewer Overflow w/built in lift station)



AUBURN, IN

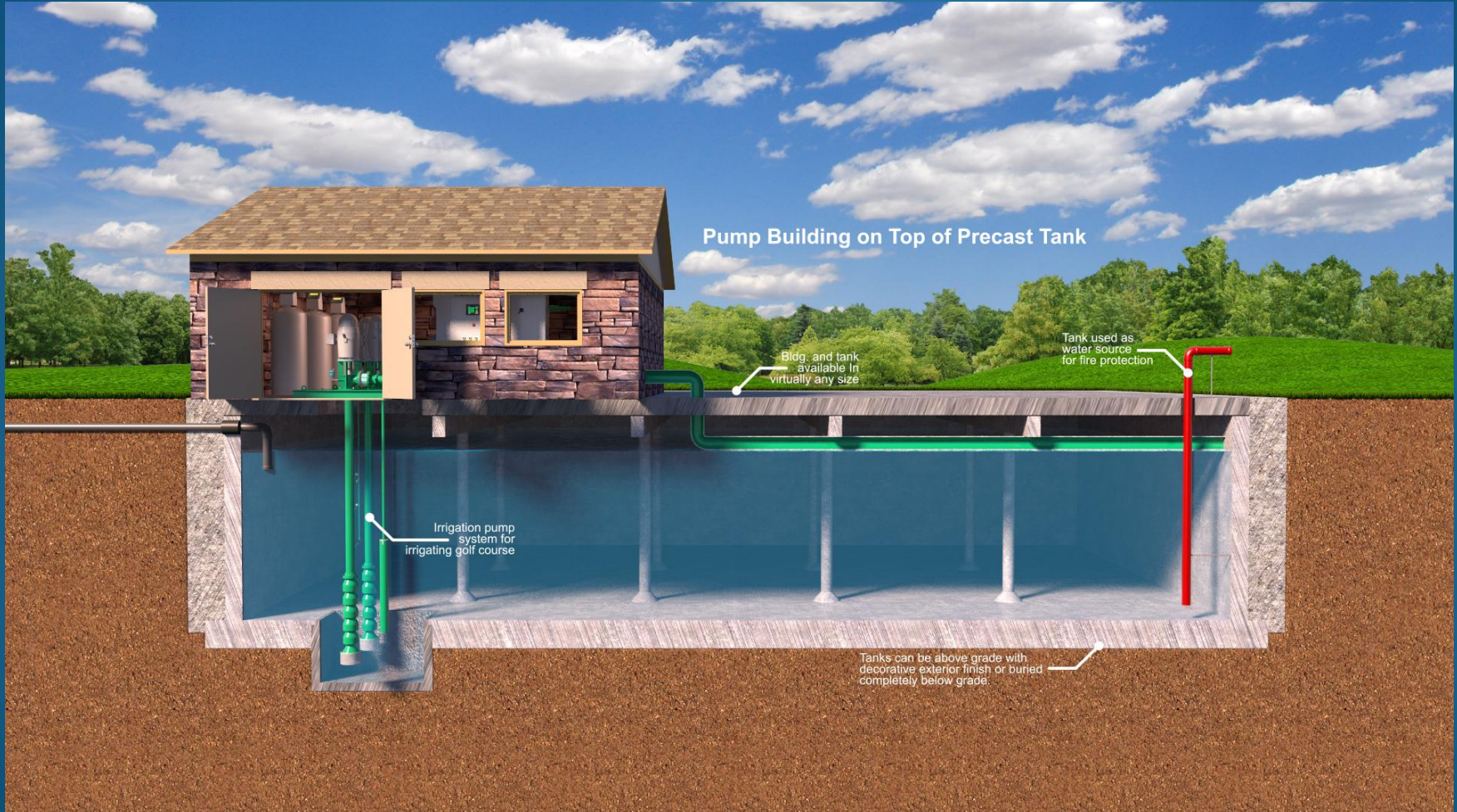
3.0 MG CSO with direct outfall w/disinfection



3/27/2014

Design & Engineering by Wedotanks.com
Systems, LLC

Water tank with pumping system. Ideal for irrigating golf course, potable water storage & reserve fire protection.



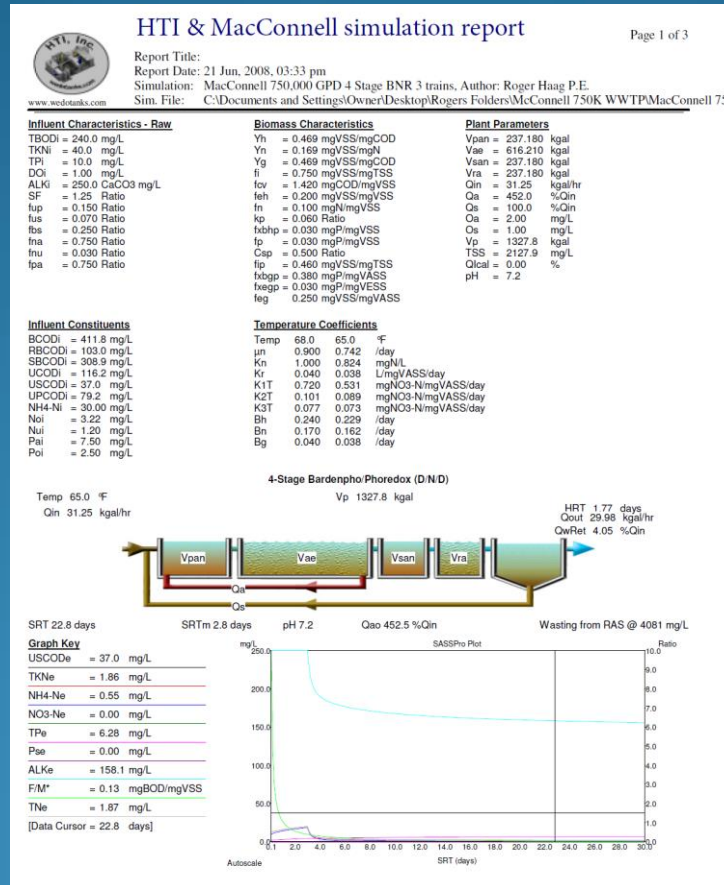
Advantages of our system

- ✓ Our team of experienced professionals will provide long term sustainable solutions for your Water and Wastewater needs.
- ✓ Compact design.
- ✓ Less site invasiveness and more land for development.
- ✓ Permitting through Startup for a complete and compact system.

A typical 750,000 GPD that is already permitted in the US.

- ✓ Extended Aeration
- ✓ Biological Nutrient Removal (BNR)
- ✓ Grit Removal
- ✓ Equalization
- ✓ Biosolids Storage
- ✓ Control Building
- ✓ Tertiary Filters
- ✓ U-V Disinfection

Simulations are run on all designs with our unique simulation software to assure the design will meet effluent requirements



750,000 GPD Layout

