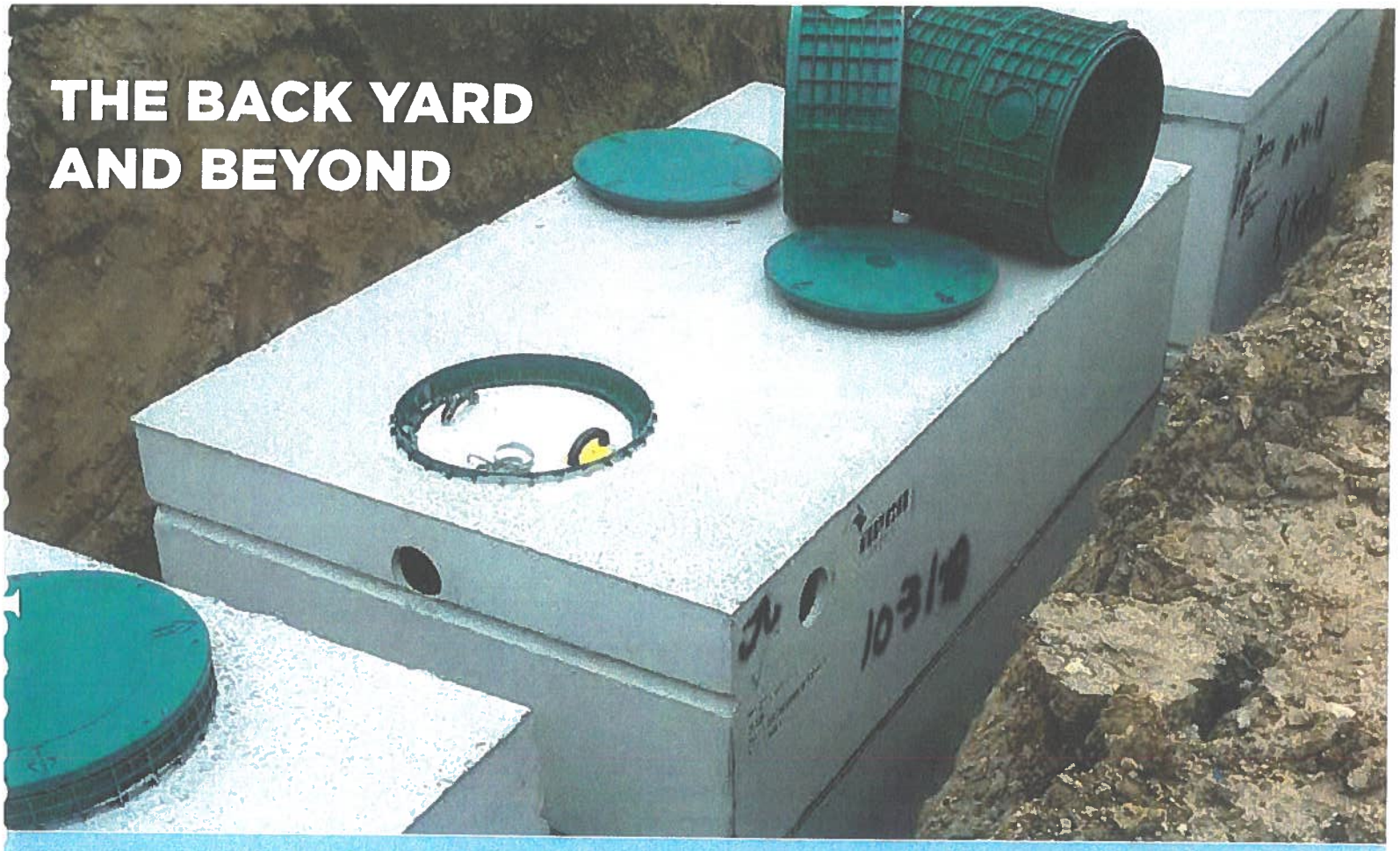

ANCHORING THE NATION'S WATER INFRASTRUCTURE

Precast concrete water and wastewater systems have traditionally been the reliable and trusted resource for residential wastewater treatment. Precast systems also go beyond the back yard, anchoring wastewater infrastructure with tailored community, commercial and municipal systems that collect and treat wastewater and protect our environment.

Whether in the back yard, or in the community, you can count on precast concrete wastewater structures for unmatched strength, durability and service.

We're local.
We build infrastructure.
We're **precast proud.**

ALL BUSH CONCRETE PRODUCTS
SEPTIC TANKS COME WITH A
5 YEAR WARRANTY *

Bush
CONCRETE PRODUCTS, INC.

3584 Airline Road Muskegon, Michigan 49444
231-733-1904 1-800-TOO-BUSH
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Bush
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TEL. (231) 733-1904
FAX (231) 733-2516

BUSH CONCRETE PRODUCTS 5 YEAR WARRANTY

Bush Concrete Products warrants the concrete septic tanks it manufactures to be free of defects from workmanship and materials for a period of 5 YEARS from the date of original purchase.

Warranty is valid only if tank is installed into excavation prepared by a licensed/registered installation firm working within the direction of septic system permit obtained from the local health department. Septic tank must be set by Bush Concrete Products personnel. Warranty does not apply if damage occurs to tank due to excessive ground cover over top of tank or damage that occurs due to equipment or vehicle loads on top of tank. Warranty is void if alteration to the tank is performed or if the tank is installed contrary to health department guidelines.

Damage to the tank caused by disposing of chemicals or materials that are not conducive to the proper operation of the septic system is not covered by the warranty.

Bush Concrete Products assumes no liability in cases of improper installation or misuse. Bush Concrete is not responsible for any resulting contingent liabilities or charges.

If there is a warranty claim, Bush Concrete Products will perform an inspection of the tank and if found that the tank is defective will at its option repair or replace the defective tank.

Bush Concrete Products is not liable for the cost of pumping or excavating the defective tank.

TANK INSTALLATION

Proper installation of the tank is absolutely critical for maintaining structural integrity and watertightness. Many of the problems experienced with leakage can be attributed to incorrect installation procedures. In addition to damage to the tank, improper installation techniques could be a safety hazard.

Site Conditions

The installation site must be accessible to a large trucks weighing up to 80,000 pounds (36,000 kg). The construction area should be free of trees, branches, overhead wires or parts of buildings that could interfere with the delivery and installation of the on-site wastewater tank. Most trucks will need to get within 3 to 8 feet (1 to 2.5 m) of the excavation to be unloaded.

Excavation

Prior to excavation, identify and locate all buried utilities. Follow OSHA regulations governing excavation work at all times. Excavations should be sloped to comply with all construction safety requirements.

Bedding

Proper use of bedding material is important to ensure a long service life of an on-site wastewater treatment system. Use imported bedding material as necessary to provide a uniform bearing surface. A good base should ensure that the tank would not be subjected to adverse settlement. Use a minimum of 4 inches (100 mm) thickness of sand or granular bed overlying a firm and uniform base unless otherwise specified. Tanks should not bear on large boulders or rock edges.

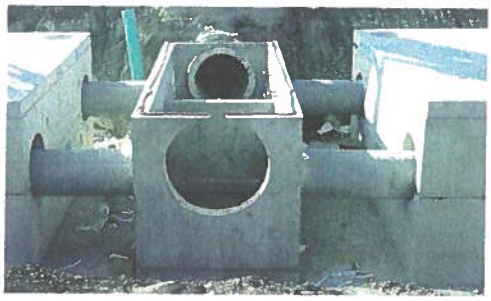
Sites with silty soils, high water tables or other "poor" bearing characteristics must have specially designed bedding and bearing surfaces. In the presence of high water tables, structures should be properly designed to resist floatation.

Proper compaction of the underlying soils and bedding material is critical to eliminate later settlement, which can ultimately occur in all tank installations regardless of the tank material. Potential tank settlement is measurable, predictable and preventable. Proper evaluation of the original soil, bedding materials, water table, backfill materials and potential soil-bearing stresses reduces the likelihood of later tank settlement. Set the tanks level to provide the proper elevation drop from the inlet to the outlet.

Worker safety is of primary importance. If it is necessary to have a worker enter the excavation to check elevation or compact bedding materials, use proper excavation methods that will prevent the sidewalls from collapsing. Alternatively, trench boxes may also be used if necessary.

Tank Placement

Confirm the tank's orientation prior to placement in the excavation. Check the bedding material and ensure that inlet penetrations face the residence. After placement, check that the tank is level. The slope of the sewer line and tank elevation should meet local plumbing and building codes.


Precast Concrete On-site Wastewater Tanks

Strength

Precast concrete gradually strengthens over time. Other products can deteriorate and lose strength. Because they are structurally sound, precast concrete on-site wastewater tanks can be pumped empty without fear of having the tank collapse.

Resistant

With a specific gravity of 2.40, precast concrete on-site wastewater tanks resist buoyant forces better than tanks made from lightweight materials. Additional labor-intensive and time-consuming on-site preparation is often required to anchor structures made from more buoyant materials.

Environmentally Friendly

Besides water, concrete is the most frequently used material on earth. It is nontoxic, environmentally safe and made from natural materials, making it an ideal material for on-site wastewater tanks. Concrete is used throughout North America in various applications and does not affect groundwater or surface water quality.

Watertight

Precast concrete can be made watertight when produced in accordance with the "NPCA Best Practices Manual for Precast Concrete On-site Wastewater Tanks" and/or ASTM C 1227, "Standard Specification for Precast Concrete On-site Wastewater Tanks." These industry standards specify the necessary procedures to be followed during the manufacturing of watertight tanks.

Standard sealants are specially formulated to adhere to precast concrete and produce a watertight joint. When proper installation and application standards are followed, complete watertightness is ensured.

Customizable

Precast concrete on-site wastewater tanks can be produced in a wide variety of configurations (such as two-piece tank, monolithic tank with separate cover and seamless, one-piece monolithic tank) that meet local standards worldwide. They can also be designed to withstand a broad range of soil and loading conditions.

A Strong Case

Precast concrete is the material of choice for on-site wastewater tanks. Precast concrete on-site wastewater tanks are watertight, durable during storage and transportation, easily installed, resist damage better than other products during backfill and are environmentally safe.

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precast makes it possible™

NPCA