

# PROJECT PROFILE



**ANY SIZE.  
ANY SHAPE.  
ANY HEIGHT OR DEPTH.**

**LOCATION: NEW MINDEN, IL | USA**

**PRECASTER: KOHNEN CONCRETE PRODUCTS**

## WASTEWATER TREATMENT & COLLECTION SYSTEM



### THE SITUATION:

For a pilot wastewater project for the state of Illinois, Kohnen Concrete had to prove that a system of residential septic tanks could be used in a cluster system. All of 100 septic tanks required hydrostatic and negative pressure before, and after installation. Kohnen Concrete had to rely on products manufactured by Concrete Sealants to ensure watertight, and airtight integrity to seal the joints between the precast castings. This set the stage for precast concrete wastewater collection and treatment systems in Illinois.

### THE SOLUTION:

Kohnen Concrete relied on ConSeal products to make their structures watertight. CS-101 was used to seal the joint between the castings. For the Interior Seals, CS-1000 was used, and for the external wrap of the structure, CS-50 primer and ConWrap CS-212 were used. In addition, applying CS-55 water-based coating on the external surface enhanced water resistance of the concrete. The project experienced 100% success as Kohnen Concrete and Concrete Sealants established precast concrete wastewater collection and treatment systems in Illinois.

### APPLICABLE INDUSTRY STANDARDS:

ASTM C-990  
ASTM C-877 TYPE III

### PRODUCTS USED:

**CS-50**  
LIQUID BUTYL PRIMER

**CS-55**  
WATER-BASED ACRYLIC  
DAMP-PROOF COATING

**CS-101**  
GENERIC BUTYL  
RUBBER SEALANT

**CS-212**  
POLYOLEFIN BACKED  
EXTERIOR JOINT WRAP