

DEREK R. GUTHRIE WQTC PUMPING PACKAGE



OWNER: METROPOLITAN SEWER DISTRICT

LOCATION: DEREK R. GUTHRIE WATER QUALITY TREATMENT CENTER, LOUISVILLE, KY

BUDGET: \$ 38 MILLION

COMPLETION: UNDER CONSTRUCTION

The Pumping Package at the Derek R. Guthrie Water Quality Treatment Facility includes the construction of a raw water pump station, a short-term detention basin and blower building, and modifications to an existing wet weather pump station. This project is currently under construction. Cornerstone has provided structural engineering services relative to the design and construction of the short term detention basin and blower building. The short term detention basin, pictured at bottom, has plan dimensions of approximately 100 ft by 60 ft, and a maximum depth of 30 ft, located mostly below grade. The adjacent blower building consists of reinforced concrete, precast concrete, and concrete masonry unit construction. Cornerstone also provided structural engineering support for modifications at the wet weather pump station, a 25-yr-old reinforced concrete structure. In addition, Cornerstone served as architect-of-record for the new blower building and raw water pump station.

