Core5 Logistics Center at Hendricks Gateway Park recently opened a nearly two million square-foot multi-facility campus making it one of the highest concentrations of modern logistics and distribution space in the Midwest. Located along I-70 25 miles southwest of Indianapolis, Hendricks Gateway Park required a stormwater management system featuring products from Rinker Materials™ so commercial trucks can safely enter and leave the industrial campus.

Low clearance along the access road at Hendricks Gateway Park made placing a drainage structure that matched the existing ditch grades and specified roadway profile grade difficult. Colin Patterson, senior project engineer at American Structurepoint designed a stormwater management system to overcome this clearance challenge while also accommodating the 100-year flow for uncontrolled discharge job requirements.

“We appreciated American Structurepoint getting us involved early in the design process so we could collaborate on making sure the most appropriate Rinker Materials products were specified for the project,” said John Susong, Northeast Product Resource Engineer at Rinker Materials. “It’s always rewarding when the design can be executed with a product mix to solve multiple challenges on a project.”
The system was installed by Gradex, Inc. using nearly 100 feet of 20’ by 4’ concrete box culverts and nearly 8,000 feet of reinforced concrete pipe ranging from 12” to 60” in diameter. Rinker Materials also provided Gradex, Inc. the precast concrete headwalls and wingwalls to complete the stormwater configuration.

“Rinker Materials provided us with a culvert solution that met the needs of our customer with a box that was able to accommodate a wide swale with low clearance. Communication throughout the design and submittal process was great and the installation took place without any fitment issues,” said Coley Mendenhall, senior project manager at Gradex, Inc. “I would highly recommend Rinker Materials products to those looking for box culvert and other precast solutions on their projects.”

Hendricks Gateway Park is already home to DHL, Chewy.com, Johnson & Johnson and Geodis, but the operation could expand in the future. In the event that happens, the current stormwater management system is designed for seamless installation along with the construction of future access roads.