

# Bishop Brossart High School Athletic Complex

## Alexandria, KY



Project Stats	
<b>Client:</b>	Bishop Brossart High School
<b>Location:</b>	Alexandria, KY
<b>Year:</b>	2018
<b>Market:</b>	<a href="#">Education</a>
<b>Project Size:</b>	27.00 Acres

## Services Provided:

### GEOVISUALIZATION SERVICES

3D Modeling

### CONSTRUCTION PHASE SERVICES

Meeting Facilitation  
Schedule Management

### SURVEYING SERVICES

Boundary Surveys  
Topographic Surveys

### CIVIL ENGINEERING SERVICES

Due Diligence Research  
Earth Retaining Structures  
Erosion Control Planning,  
Permitting & Inspection  
Site Development

### TRANSPORTATION ENGINEERING SERVICES

Access Management Plans  
Roadway Design

### LANDSCAPE ARCHITECTURE & PLANNING SERVICES

3D Modeling  
Community Identity Design  
Market Graphics  
Master Planning  
Programming  
Site Evaluation, Selection & Feasibility  
Site Planning

Bishop Brossart High School has an impressive athletic program, but they have one extra hurdle – they had no athletic fields of their own. After years of traveling, the Mustangs will be developing their very own Athletic Complex.

Situated less than a mile from the high school, the 27-acre site will provide a central home for football, soccer, baseball, softball, track, and tennis. The complex will also include concessions, restrooms, and a community building complete with locker rooms. To expand the usability to the community, several mixed-use practice areas were added along with a public walking path with views onto the fields. There are also spaces set aside for grottos for all players and the public to use and enjoy.

The rolling Kentucky topography was a strong challenger to this project, with 72 feet of elevation change causing problematic drainage patterns and making the minimal slopes required for large sports fields very difficult to achieve. Our design team tackled this by dividing the site into several swales and ridges and then grading the site to minimize the disturbance to streams and as a cost savings. This unique layout provides a central plaza space for visitors with stadium-like views onto the fields from bleachers and grass slopes, while providing lower level areas for maintenance, locker rooms, and storage.

Our team, consisting of several Bishop Brossart graduates, enjoyed the challenge of designing a first-class athletic facility for the Mustangs to call home for years to come.