



GILMORE & ASSOCIATES, INC.

FULL SERVICE CIVIL ENGINEERING & CONSULTING



## KENSINGTON CAPA HIGH SCHOOL School District of Philadelphia

In September of 2010, the doors of Philadelphia School District's new Creative and Performing Arts (CAPA) high school opened in Philadelphia's Kensington neighborhood. The new school is located at Front & Palmer Streets at SEPTA's Market Frankford Line Berks Station. In a unique turnkey project for the School District of Philadelphia, BSI and AP Construction formed a joint venture for this design-build project. As the civil engineering consultant, Gilmore & Associates provided services for survey, site evaluation and planning, civil and stormwater management design, PWD and Zoning approvals, bid documentation, and assistance with United States Green Building Council (USGBC) submittals.

Pursuant to the City of Philadelphia's Green Infrastructure Initiative, the school was designed with many sustainable features. The 7.2 acres Brownfield site will incorporate recycled materials in retaining walls and landscaping, provide rainwater cisterns for water re-use, a geothermal heating system and vegetated rooftop areas. Stormwater management practices will reduce runoff, and provide water quality and flood control to meet the City's stringent Public Health and Safety Release Rate requirements for connection to combined sewer networks. The site design minimizes impervious cover with the use of grass-turf pavers, efficient walkway layouts, and porous paving infiltration beds. Stormwater features also include rain gardens and underground detention facilities. These sustainable features helped the Kensington CAPA High School earn LEED® Platinum Certification from the USGBC, the first public high school in the country to receive the designation.

G&A worked in conjunction with the architectural firms of SMP Architects and SRK Architects for the preparation of construction documents.



Client Information  
Charles Calvanese  
BSI Construction  
735 Birch Avenue  
Bensalem, PA 19020  
(P): 215-447-3140

Contact Information  
Ronald G. Monkres, II, P.E.  
Project Manager  
rmonkres@gilmore-assoc.com  
(P): 215-345-4330

GILMORE-ASSOC.COM