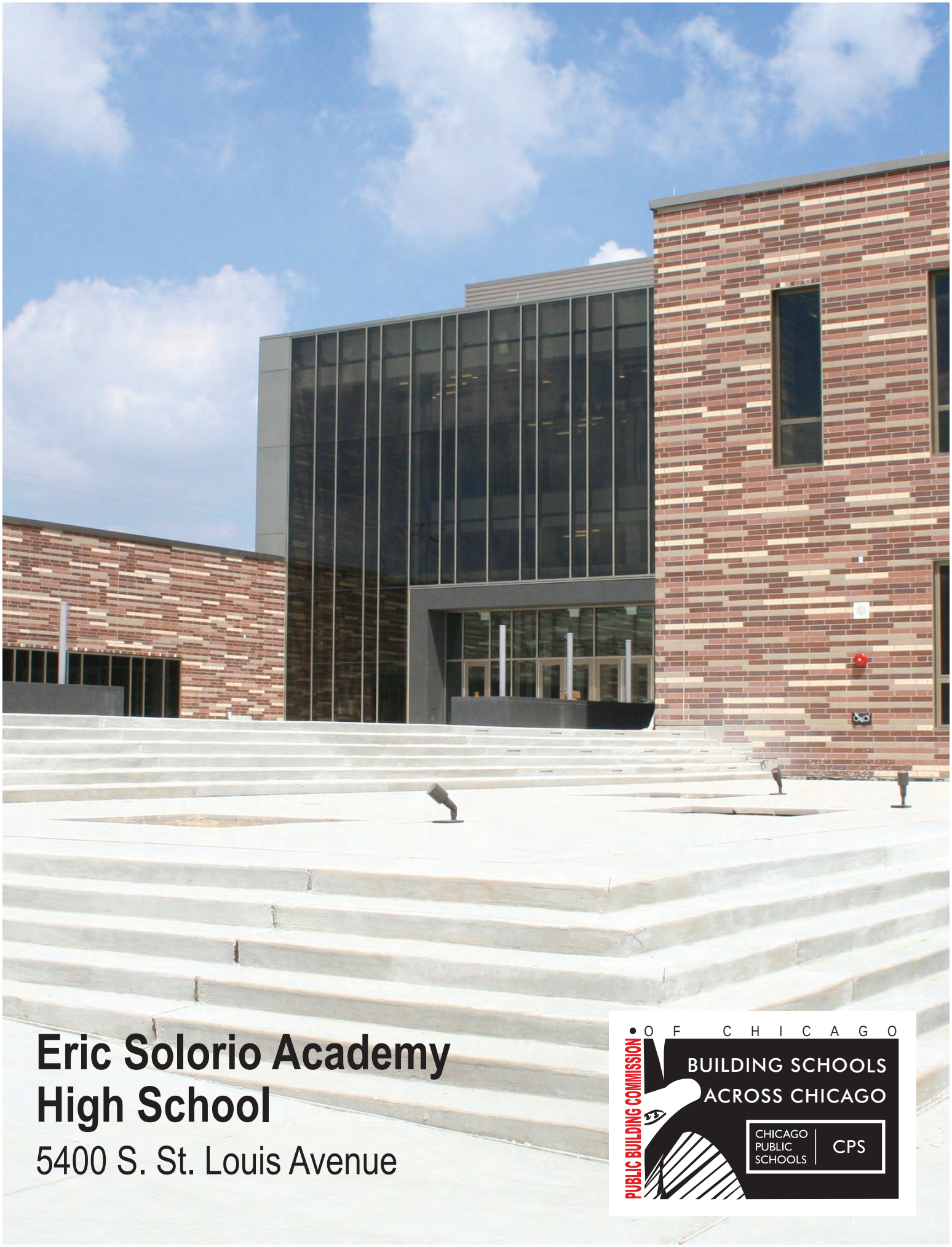

Eric Solorio Academy High School

5400 S. St. Louis Avenue

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Building Features

- Steel Frame and Masonry Construction
- 209,000 Square Feet
- 3-floors plus lower level
- Capacity: Minimum 1200 Students
- 26 Standard Academic Classrooms
- 5 Computer Labs
- 6 Science Labs
- 2 Visual Arts Classrooms
- 2 Performing Arts Classrooms
- Distance Learning Lab (Video Teleconference)
- Scene Shop, Dressing Room & Green Room
- College Resource Center
- Library/Media Resource Center
- Gymnasium (Two Station)
- Natatorium with 6 Lane Pool
- Fitness/Weight Room
- Administrative Suite
- Nurse and Student Support Service
- Kitchen and Dining Facilities
- State-of-the-art Computer Network
- Central Air Conditioning
- Fully Commissioned Building Automation System
- Fully Accessible to People With Disabilities

Special Provisions

- Designed for **Community Use** on evenings and weekends- separate, independent entrances for both library and the athletic wing as well as dedicated storage and spaces for the Chicago Park District.

Exterior Amenities

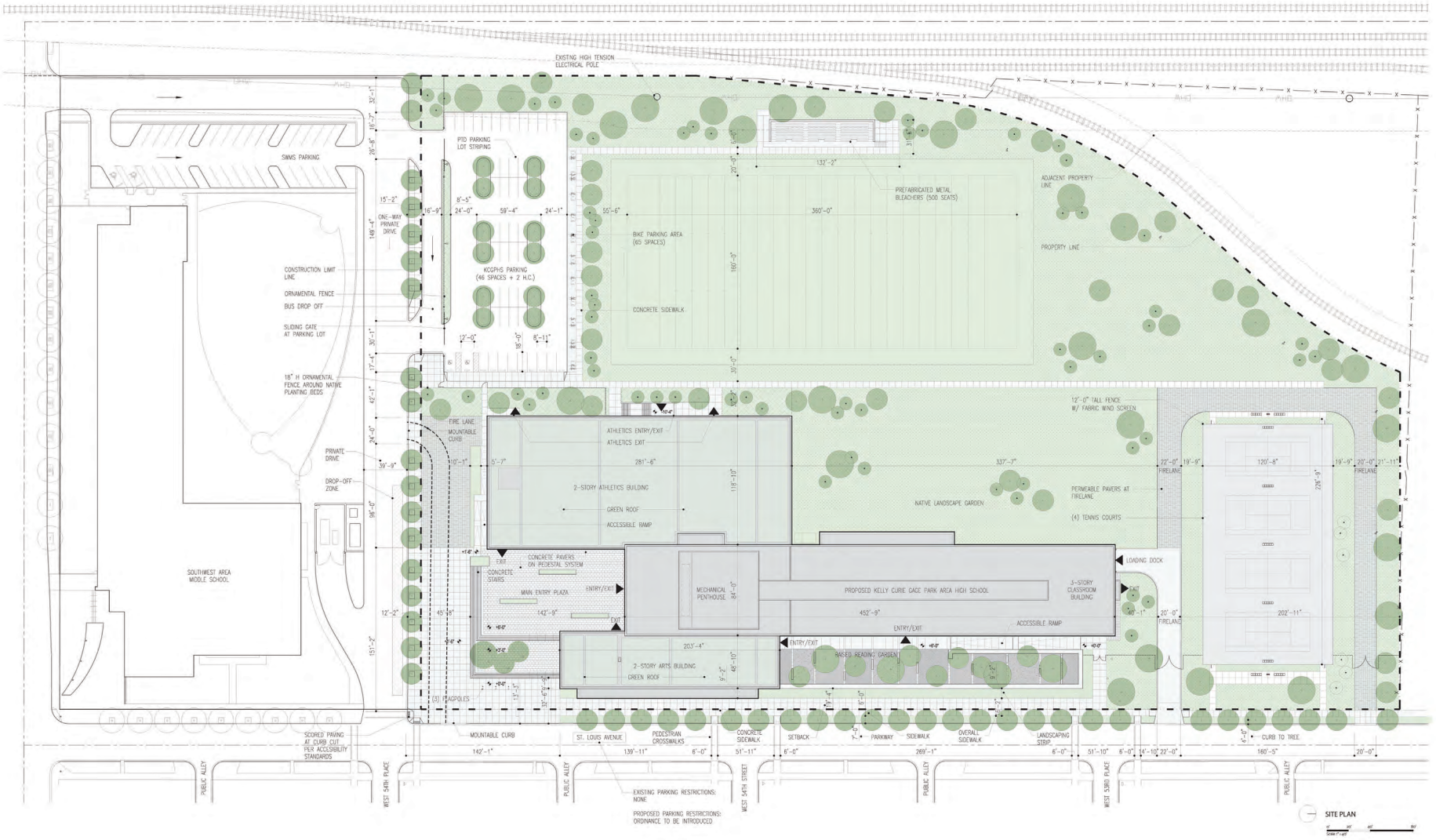
- Outdoor Athletic Amenities:
  - –Combination Soccer & Football Field with Bleachers
  - –4 Tennis Courts
- Green and Reflective Roof
- Parking Lot
- Entry Plaza
- Outdoor Reading Garden

Project Development Information

- Design Architect: John Ronan Architect
- Architect of Record: Ronan/DeStefano J.V.
- General Contractor: FH Paschen, SN Nielsen
- Original Contract Value: $72,589,000.00

Economic Sustainability Program

- Bid incentives for the employment of Women and Minorities
- Bid incentives for the employment of Apprentices
- City Residency Labor Requirement
- Community Hiring Requirement
- M/WBE Business Commitment: 31.44%


EXISTING HIGH TENSION ELECTRICAL POLE
SWMS PARKING
PTD PARKING LOT STRIPING
ONE-WAY PRIVATE DRIVE
KCGPHS PARKING (46 SPACES + 2 H.C.)
CONSTRUCTION LIMIT LINE
ORNAMENTAL FENCE
BUS DROP OFF
SLIDING GATE AT PARKING LOT
18" H ORNAMENTAL FENCE AROUND NATIVE PLANTING BEDS
PRIVATE DRIVE
DROP-OFF ZONE
SOUTHWEST AREA MIDDLE SCHOOL
BIKE PARKING AREA (65 SPACES)
CONCRETE SIDEWALK
PREFABRICATED METAL BLEACHERS (500 SEATS)
ADJACENT PROPERTY LINE
PROPERTY LINE
FIRE LANE MOUNTABLE CURB
ATHLETICS ENTRY/EXIT
ATHLETICS EXIT
2-STORY ATHLETICS BUILDING
GREEN ROOF
ACCESSIBLE RAMP
12'-0" TALL FENCE W/ FABRIC WIND SCREEN
NATIVE LANDSCAPE GARDEN
PERMEABLE PAVERS AT FIRELANE
(4) TENNIS COURTS
FIRELANE
CONCRETE PAVERS ON PEDESTAL SYSTEM
CONCRETE STAIRS
MAIN ENTRY PLAZA
ENTRY/EXIT
MECHANICAL PENTHOUSE
PROPOSED KELLY CURIE GAGE PARK AREA HIGH SCHOOL
3-STORY CLASSROOM BUILDING
LOADING DOCK
EXIT
ACCESSIBLE RAMP
RAISED READING GARDEN
2-STORY ARTS BUILDING
(3) FLAGPOLES
SCORED PAVING AT CURB CUT PER ACCESSIBILITY STANDARDS
MOUNTABLE CURB
ST. LOUIS AVENUE
PEDESTRIAN CROSSWALKS
CONCRETE SIDEWALK
SETBACK
PARKWAY
SIDEWALK
OVERALL SIDEWALK
LANDSCAPING STRIP
CURB TO TREE
PUBLIC ALLEY
WEST 54TH PLACE
WEST 54TH STREET
WEST 53RD PLACE
EXISTING PARKING RESTRICTIONS: NONE
PROPOSED PARKING RESTRICTIONS: ORDINANCE TO BE INTRODUCED
SITE PLAN

Site Plan

Environmentally Friendly or "Green" Elements

The new Eric Solorio Academy High School was designed to achieve a Silver rating under the U.S. Green Building Council's LEED (Leadership in Energy and Environmental Design) for Schools Rating System.

Green buildings are designed, constructed and maintained in an environmentally sustainable way. Some of the green elements that are part of this high school are outlined below.

Sustainable Sites

These features take account of the location and placement of the building, and its impact on and relationship with the environment around it.

- The building was constructed on a previously developed site, and within ½ mile of a residential zone and more than 10 basic services (neighborhood amenities).
- The school is well served by public transportation, as it is located within ¼ mile of the #55 CTA bus line, and several connecting bus lines.
- Alternative transportation is encouraged through the addition of bike racks, preferred parking for low-emitting and fuel efficient vehicles and carpool vehicles and a designated carpool drop-off.
- The roof and selected site materials have a high degree of reflectivity, which contribute less to the urban heat island effect on and around the building. Lower summer temperatures around the building translate into less energy required to cool it.
- Approximately 40% of the roof surface is vegetated (green).
- The green roof, landscaped areas, pervious pedestrian scale pavement, and artificial turf playing field help reduce and manage stormwater runoff through infiltration into the soil and to storage in aggregate to slow and reduce what is released to the sewer system.
- This school will provide a variety of open outdoor space for students, including playing fields, a reading garden and gathering spaces.

Water Efficiency

Efforts were made to conserve water in and around the building.

- Landscape plantings include adaptive and native species, which require less water. Irrigation is provided only during plant establishment.
- Low flow plumbing fixtures and sensored sinks will reduce building water usage by over 3%.

Energy & Atmosphere

Green buildings reduce the amount of energy used by the building, and may make use of renewable energy.

- Energy-using systems, including heat recovery from the pool, along with the building envelope (exterior walls and roof), are expected to result in energy performance approximately 30% better than facilities of similar size and use.
- The efficient lighting systems utilize occupancy sensors and "harvests" available daylight.
- Enhanced commissioning of the building's energy-using systems will ensure they are installed and perform as designed, and that the operations and maintenance staff are well trained.

Materials & Resources

Materials selection is mindful of recycled content, and regional manufacturing, to reduce use of energy to bring the materials to the site and to reduce raw material consumption.

- At least 75% of waste from construction will be recycled.
- This school will contain close to 25% recycled content materials.
- Close to 37% of the materials used for this building will be manufactured within 500 miles of the project site.
- More than 50% of the wood used in this building will come from sustainably managed forests certified by the Forest Stewardship Council (FSC).

Indoor Environmental Quality

Green buildings are designed to establish good indoor air quality for workers during construction and for the end users of the completed building. Environmental quality in terms of access to daylight and views are also considered.

- This building provides excellent indoor environmental quality for students, faculty and staff.
- Care will be taken to ensure contaminants were kept out of the building during construction, with an air quality plan, and through the selection of materials that emit less fumes. A full building flush-out was performed at the end of construction.
- Ongoing air quality is maintained through the use of green cleaning products.
- The school was designed to provide lighting control to classrooms and individual work areas.

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