HASTINGS-ON-HUDSON
UNION FREE SCHOOL DISTRICT

Athletic Field Improvement Project

November 6, 2024



Agenda

1. Introductions
2. LAN Associates
3. The LA Group
4. Team Experience
5. Pre-Referendum Process
6. Project Timeline
7. Field Inventory and Usage
   - HoH UFSD Usage
   - Community Usage
8. Weather Impact on Fields
9. Synthetic Turf
10. Field Lighting
11. Project Goals
12. Design Process
13. Option ‘A’
14. Option ‘B’
15. Questions

Key Team Members



Matthew Milnamow, AIA
Vice President | Architect



Danielle Farrell, AIA
Assist. Vice President | Architect



Robert Kerman, RLA
Assoc. Principal | Landscape Architect

LAN Associates



Since 1965

LAN is a full-service architecture and engineering design firm providing services for more than 59 years.

With resources to provide all services in-house, LAN offers a holistic design approach with seamless coordination that reduces costs and speeds up development.

Our Services

- + Architecture
- + Interior Design
- + Mechanical Engineering
- + Electrical Engineering
- + Plumbing Engineering
- + Civil Engineering
- + Environmental Services
- + Environmental Health & Safety
- + Surveying
- + Construction Administration

59+ years experience

10 disciplines

120+ employees

LAN Associates Local K-12 Clients



Hastings-On-Hudson Union Free School District

1. Mamaroneck Union Free School District - 30 Years
2. Bronxville Union Free School District - 6 Years
3. Rye Neck Union Free School District - 2 Years
4. Chester Union Free School District - 9 Years
5. Kiryas Joel Union Free School District - 2 Years
6. Ulster BOCES - 8 Years
7. Goshen Central School District - 11 Years
8. New Paltz Central School District - <1 Year
9. Port Jervis City School District - <1 Year
10. Liberty Central School District - <1 Year
11. Mahwah Township Board of Education - 3 Years
12. Oradell Board of Education - 7 Years
13. City of Norwalk Public Schools - 3 Years

The LA Group



Since 1974

The LA Group, Landscape Architecture and Engineering, P.C. has collaborated with clients to design over 200 athletic facilities, many of which include synthetic turf fields. This design experience includes every type of ball sport field on grass or synthetic turf, running tracks, tennis, pickleball and even a cricket pitch.

The firm's active recreation design solutions have also included creative play environments. Having designed over 50 playgrounds for NYS agencies, municipalities, and schools, the firm incorporates activities for all age groups.

Services

+ Landscape Architecture
+ Site/Civil Engineering
+ Environmental Planning and Permitting
+ Community and Regional Planning
+ Athletic fields (grass and synthetic)
+ Running tracks and field events
+ Sports courts
+ Stadiums

Team Experience



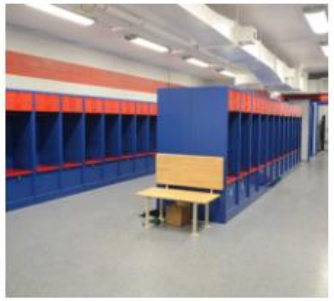
GOSHEN HIGH SCHOOL FIELD HOUSE

GOSHEN CENTRAL SCHOOL DISTRICT

EDUCATIONAL K-12









In 2015, LAN was retained by the Goshen Central School District as their Architect-of-Record for annual capital projects and to provide the school district with pre-referendum design services. A proposed $30.4M capital project was approved in February 2017, as part of a bond referendum.

The capital project included the construction of a new state-of-the-art athletic facility at Goshen High School. In order to create a better fan experience, a 1,500 seat grandstand was designed that straddles over a new 6,500 sf masonry field house that includes team lockers rooms, public restrooms, a training room, and a concession stand. Mounted on top of the grandstand is a 450-sf press box, enabling broadcast crews and photographers to have a perfect site line of all the action.

The main multi-use artificial turf athletic field is surrounded by an eight-lane track, enabling the site to host track and field events, soccer, lacrosse, football and field hockey games. The facility is used by the High School Physical Education Department, interscholastic sports, youth sports and the community. The synthetic turf removed limitations on playtime and the lighting and grandstands opened opportunities for the town to congregate for games be it day or night.

The new athletic facility has been nicknamed the "Goshen Colosseum" and has helped bring together the community by reinvigorating school spirit and increasing student participation in sports.

"The new addition and athletic facilities would not have been possible without the vision and dedication of LAN. Their innovative design, professionalism and meticulous attention to detail were vital for the betterment of our facilities, which will benefit our students and entire community for many years"
Dan Connor, Former Superintendent

Reference:
Dr. Kurtis Kotes
Superintendent of Schools
Goshen Central School District
845.615.6720

Project Size: 6,500 SF

Cost: $4,143,725

Completion Date: August 2019

Project Manager:
Danielle Farrell, AIA, LEED AP BD+C

Project Number: 4.1277.45

LAN ASSOCIATES

ATHLETIC FACILITY UPGRADES AT MONROE-WOODBURY HIGH SCHOOL

MONROE-WOODBURY CENTRAL SCHOOL DISTRICT

EDUCATIONAL K-12





As part of a $8.5M Bond Referendum, LAN was hired by the Monroe-Woodbury Central School District to provide architectural and engineering services for upgraded athletic facilities at the District's High School, which shares the field with the middle and elementary schools.

A total of $7M of athletic facility improvements were completed. The existing grass athletic track and field was replaced with a new multi-use artificial turf athletic field and eight lane track including specific areas for steeplechase, pole vault, triple jump, and high jump. Site visibility was improved through the replacement of the existing athletic field lighting with new energy efficient, high CRI, LED athletic field lighting. The multi-sport scoreboard was also replaced. A new, 500 seat bleacher set was installed alongside the sideline, significantly improving the seating capacity for the new athletic complex. The existing softball field was relocated, improving various draining concerns.

With three schools utilizing the same facility, the project schedule was paramount to the success of the project. LAN worked with the District to strategically plan simultaneous construction of two fields over a three-month period in the summer, when use of the fields is less frequent. The upper field was constrained by two wetland areas, requiring LAN's Land Use team to orient the field in a manor that meet both the client and the NYCDEC's needs.

In order to develop a field that was built to last, LAN provided a multitude of additional services outside of field design, including geotechnical investigation, sewer system design, stormwater collection and management, soil erosion, sediment control and retaining wall design.

The fields were completed in time for the start of the District's football and soccer seasons.

Reference:
Mr. Andrzej Rudiak
Current Director of Facilities
Monroe-Woodbury Central School District
845.460.7000 Ext. 7071

Cost: $8.4M

Completion Date: Fall 2019

Project Manager:
Matthew Milnamow
AIA, LEED® AP BD+C

Project Number: 4.1348.10

LAN ASSOCIATES

BOND REFERENDUM FOR ATHLETIC FACILITIES UPGRADES

MOUNT PLEASANT CENTRAL SCHOOL DISTRICT

ATHLETIC FACILITY/EDUCATION K-12







Looking to upgrade their athletic facilities, the Mount Pleasant Central School District turned to the community for a $9.7M referendum. LAN was retained by the District to provide civil engineering, electrical engineering, and marketing support services to bring the project to fruition.

The scope of work for this project includes a complete renovation of the existing athletic complex at the Mount Pleasant Middle and High School complex to increase field playability for both the District and local community. The project includes the installation of an artificial turf field and surrounding track, LED lights for night games, a press box at the back of the existing bleachers, and a concrete pad with utilities to provide necessary power for food trucks to operate during events.

The main competition grass field will be replaced with artificial turf that will be infilled with ceramic coated sand, alleviating maintenance issues and increasing playability. This will allow the District to get more usage out of their field by avoiding the postponement of sporting events and having to play at a different field due to poor field conditions.

Five other fields at the high school and middle school campus will also get upgrades to improve the playability of the grass fields. New drainage systems, sodding, and irrigation systems, as well as new dugouts, bullpens, and bleachers will be added at multiple locations.

During the pre-referendum process, LAN's internal marketing team assisted the District with the design of referendum display boards to showcase the field upgrades to the public. The bond referendum vote took place on March 30, 2022, and was approved on a 3 to 1 basis. Construction has commenced and the project is anticipated to be completed in time for the start of the sports' season in Fall 2023.

Reference:
Dr. Peter Giarrizzo
Superintendent of Schools
Mt. Pleasant Central School District
914.769.5500

Project Size: 15.83 Acres

Cost: $9.7M

Completion Date:
Anticipated September 2023

Project Manager:
Matthew Milnamow
AIA, LEED® AP BD+C

Project Number: 4.1449.6

LAN ASSOCIATES

NYACK HIGH SCHOOL PRESS BOX & CONCESSION STAND

NYACK PUBLIC SCHOOLS

EDUCATIONAL K-12







LAN was retained by the Nyack Public School District to design a new press box and concession stand building for Nyack High School. The building is located at the top platform of the new, 1,700 spectator grandstand bleachers for the newly completed track and stadium. The building includes a press box with three rooms, a concession stand, and public restrooms for the stadium and surrounding fields.

The project was technically difficult, as the building was constructed on the top of a steep slope. The bleachers were installed on one side and a field on the opposite side.

The project was spearheaded by the Nyack Tower Fund, a community group of Nyack High School Alumni dedicated to fulfilling a dream to build a reduced size replica of the old Nyack High School. The building was dedicated as a memorial for many Nyack alumni, the cupola itself is being named the Sennas/Crowther Memorial Tower in honor of two Nyack High School alums who lost their lives in the Sept. 11, 2001 terrorist attacks.

The design team worked diligently and remained on schedule and on budget to complete the project in time for Nyack's varsity football home opener, where students and members of the community gathered to celebrate the official opening.

Project Size: 2,177 sf

Cost: $2,155,140

Completion Date: August 2018

Project Manager:
Danielle Farrell
AIA, LEED® AP BD+C

Project Number: 4.1253.60

LAN ASSOCIATES

The LA GROUP

K-12 ATHLETIC FACILITIES EXPERIENCE

The LA Group, Landscape Architecture and Engineering, P.C.
Founded in 1974, The LA Group has an established reputation for excellence, which is reflected in the number of K-12 athletic facilities clients that they have collaborated with over the years.

- Addison Central School District, NY
- AuSable Valley Central School District, NY
- Ballston Spa Central School District, NY
- Binghamton Central School District, NY
- Bloomfield Central School District, NY
- Canajoharie Central School District, NY
- Cazenovia Central School District, NY
- Chenango Forks Central School District, NY
- Cobleskill-Richmondville Central School District, NY
- Corinth Central School District, NY
- Cornwall Central School District, NY
- Dobbs Ferry Union Free School District, NY
- Eastport-Manor Central School District, NY
- Emma Willard School-Troy, NY
- Enlarged City School District of Middletown, NY
- Fayetteville-Manlius Central School District, NY
- Greater Johnstown School District, NY
- Greenwich Central School District, NY
- Hartford Central School District, NY
- Hempstead Union Free School District, NY
- Hendrick Hudson Central School District, NY
- Highland Falls–Fort Montgomery Central School District, NY
- Hyde Park Central School District, NY
- Jamesville-Dewitt Central School District, NY
- Long Beach City Schools, NY
- Maine-Endwell Central School District, NY
- Malone Central School District, NY
- Middletown City School District, NY
- New Rochelle City School District, NY
- Niagara Falls City School District, NY
- Nyack Union Free School District, NY
- Pawling Central School District, NY
- Pelham Union Free School District, NY
- Philadelphia Public Schools, PA
- Pine Plains Central School District, NY
- Queensbury Union Free School District, NY
- Ramapo Central School District, NY
- Rochester City School District, NY
- Roosevelt Union Free School District, NY
- Salmon River Central School District, NY
- Saratoga Springs City School District, NY
- Scarsdale Union Free School District, NY
- Scotia-Glenville Central School District, NY
- Sodus Central School District, NY
- South Glens Falls Central School District, NY
- Sullivan West Central School District, NY
- Syracuse City School District, NY
- Tarrytown Union Free School District, NY
- Ticonderoga Central School District, NY
- Trumansburg Central School District, NY
- Valhalla Union Free School District, NY
- Voorheesville Central School District, NY
- Yonkers Public Schools, NY


Dobbs Ferry Union Free School District, NY


Fayetteville-Manlius Central School District, NY



Hendrick Hudson Central School District, NY



Long Beach City Schools, NY


Nyack Union Free School District, NY


Syracuse City School District, NY


Ticonderoga Central School District, NY

Queensbury Union Free School District Athletic Field

Queensbury, NY



In the scope of a capital improvement project, The LA Group converted an existing softball field into a cutting-edge athletic complex, featuring a versatile synthetic turf field equipped to host a variety of events including baseball, softball, football, soccer, lacrosse, and field hockey.

The facility was further complemented by amenities such as dugouts, field lighting, a scoreboard, speaker system, berm seating area, and a press box/grandstand. Infrastructure enhancements involved the relocation of an existing leach field and the implementation of stormwater management measures in compliance with state regulations.

As a result of this initiative, the district is now well-equipped and proudly hosts prominent sectional events. Working with the LA Group throughout our capital project was easy, and the outcome was stellar. Our new Turf Athletic Complex had every "i" dotted and "t" crossed, thanks to the hardworking staff at The LA Group.

Our community absolutely loves every detail that was put into making this turf field dream come true. The LA Group had a wealth of knowledge and got everything right, down to the smallest detail.

The LA GROUP
Landscape Architecture & Engineering P.C.
People. Purpose. Place.

client: Queensbury Union Free School District
reference: Kyle L. Gannon, Superintendent of Schools
phone: (518) 824-5602

Pelham Multi-Sport Field Glover Field Complex

Pelham, NY



The LA Group together with the project architect worked with the Pelham UFSD to shepherd a 2018 Capital Improvement project from bond referendum to ribbon cutting.

The $57M bond referendum included a special proposition devoting $4.6M to athletic facilities improvements to reconstruct their four existing tennis courts and provide a multi-use synthetic turf facility of nearly 110,000 SF.

The natural grass and clay fields now converted to synthetic turf were previously heavily used by the school district and community recreational athletic groups.

As a lighted field now with an all-weather surface designed for baseball, softball, soccer, football, lacrosse, field hockey, and rugby, the facility is a major athletic facility improvement that will increase practice and competition time available for the whole community.

Pre-Referendum Planning

1 **Assess**

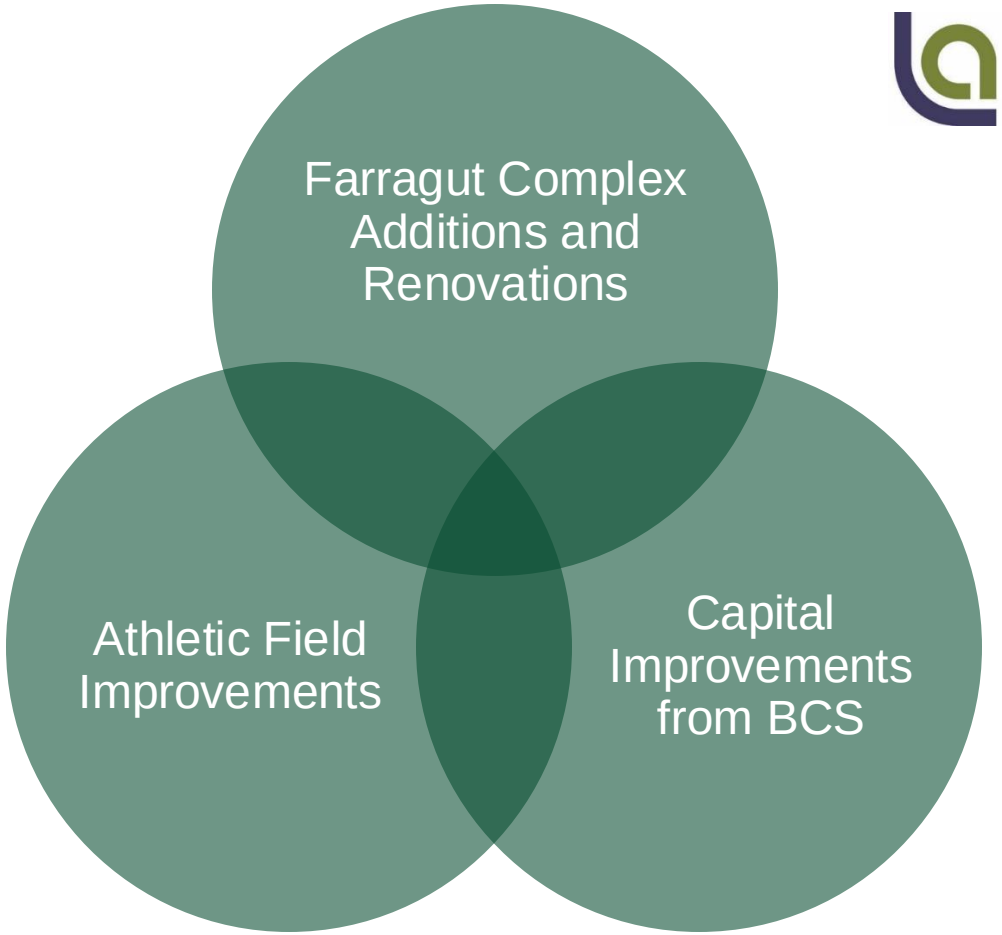
2 **Plan**

3 **Engage**

The first step in the bond referendum process is to **assess the physical condition of your existing facilities**. By gaining a clear understanding of your needs, the Design Team can develop options to address your needs and fund the project through a bond referendum.

Once the existing conditions are assembled and reviewed, it is time for the **Design Team and the District to develop the key theme and timeline for the referendum**. It is imperative to develop a clear and concise message that showcases the benefits of the referendum for the students and the local community.

Clear and open communication with the public is key in a bond referendum. The Design Team will help guide and/or support the development of a PR campaign that employs traditional and digital marketing techniques to inform the community and encourage them to vote. This omni-channel marketing campaign can increase turnout by educating likely voters on the importance of the critical upgrades proposed in the referendum and the value offered by investing in the students' future success.



3- Key Elements of the Proposed Bond

REFERENDUM TIMELINE AND NEXT STEPS

The schedule below is for planning purposes only and LAN will be periodically updating the schedule as the project progresses. The final scheduling will be contingent upon the timing collectively agreed to by the entire project team.

01 — 9/24/24: Schematic Presentation - Athletic Fields

LAN & The LA Group provided conceptual site plans for the athletic facility improvements at the Burke Estate to the District leadership for review and feedback. The school district provided feedback.

02 — 10/1/24: Referendum Planning Kickoff Meeting

LAN, PBDW, HoH UFSD & Triton met to discuss the project. Attendees reviewed PBDW's design progress and approach for project phasing. Attendees discussed the delineation of labor, expectations, milestone goals. Attendees coordinated deliverable milestones.

03 — 9/30/24 - 10/25/24: Athletic Field Schematic Design Revisions

The LA Group revised the conceptual site plans of the proposed site development and athletic field improvements based on feedback from HoH UFSD.

04 — 10/8/24: PBDW Presentation to BoE Farragut Building Additions

PBDW presented a master plan to the BoE for a multi-phased project with additions and renovations to the Farragut Complex. BoE to provide feedback and direction to PBDW.

05 — 10/24/24: Meeting to Review BCS and Five-Year Plan

LAN to met with HoH UFSD to review a draft of the Five-Year Plan.

06 — 10/28/24 - 11/22/24: Cost Estimate Preparation

Triton to provide cost estimating advice. Triton and LAN to prepare master budget document. LAN and PBDW to modify the schematic designs based on feedback from the HoH UFSD.

07 — 11/6/24: LAN / LA Group to attend BoE Meeting - Athletic Fields

LAN to introduce the firm(s) to the BoE. The LA Group to present a master plan for athletic facility improvements at the Burke Estate.

08 — 11/19/24: Referendum Budget Recommendation Milestone

LAN, PBDW, and Triton to finalize and present a referendum recommendation and budget recommendation for a potential referendum. HoH UFSD to provide feedback and direction.

09 — 11/20/24 - 12/6/24: NYSED Preliminary Submission/SEQR/SHPO

(If directed and/or necessary) LAN will begin to prepare a preliminary NYSED submission. LAN and The LA Group begin to assess the environmental impact of the Action. LAN/PBDW provides SHPO with project information.

10 — 12/17/24: BOE Approval of Scope of Work

The BOE approves the scope of work and directs LAN to file the preliminary submission with the NYSED.

11 — 12/20/24: NYSED Preliminary Submission Milestone

LAN files the preliminary submission with the NYSED.

12 — 12/23/24 - 1/3/25: Hazardous Materials Testing

QuES&T to perform a pre-renovation survey (over winter break) and collect samples for hazardous materials testing.

13 — 1/6/25 - 1/24/25: Addition Renderings

PBDW prepares renderings of the proposed addition(s) and renovations. LAN assists with preparing marketing materials. The HoH UFSD begins an active marketing campaign to notify the Public of a potential bond referendum. SHPO provides feedback on the proposed building additions.

14 — 1/22/25: Regular BoE Meeting (Begin SEQR Process)

The BoE declares intent to be the lead agency for the unlisted action and circulates a Notice of Intent to involved agencies (including SHPO again). The BoE begins to evaluate the environmental impact of the project.

15 — 2/21/25: SEQR 30-day lead agency circulation expires

The lead agency has (20) calendar days to make its determination of significance.

16 — ~2/21/25: NYSED Preliminary Submission Comments

(Review time unknown) NYSED completes their review of the preliminary submission and provides the BAU's necessary to identify the building aid eligibility and evaluate the cost impact of the project.

17 — 3/11/25: Regular BoE Meeting (SEQR Determination)

The BoE should be prepared to declare lead agency status and make an environmental determination on the action.

18 — 4/4/25: The HOH UFSD publishes referendum

19 — 5/20/25: Budget Vote & Bond Referendum

Hastings-on-Hudson UFSD

Athletic Field Inventory

Hastings-on-Hudson UFSD has six (6) native soil-based grass fields and two (2) natural baseball/softball fields that are used for Athletics, Physical Education Classes, and other educational programs that require field use.

Reynolds Field

1. Upper Reynolds Field (lined approx. 120 yds. x 60 yds.)
2. Lower Reynolds Field (lined approx. 30 yds. x 25 yds.)
    - *Not suitable for games, even at modified sports level*

Burke Estate

3. Upper Burke (lined approx. 120 yds. x 70 yds.)
4. Lower Burke (lined approx. 105 yds. x 65 yds.)
5. Burke Baseball Diamond Outfield (lined approx. 105 yds. x 60 yds.)
    - *Available during fall season only*
    - *Exclusively baseball in spring/summer*
6. Burke Practice Area (lined approx. 75 yds. x 55 yds.)
    - *Not suitable for games, even at modified sports level*
    - Burke Practice Area (lined approx. 75 yds. x 55 yds.)
7. Dr. Fazio Memorial Baseball Field

Hillside Elementary

8. Hillside Elementary Softball Field

Hastings-on-Hudson UFSD

Hastings Athletics Team Field Use Location

Fall Teams

- Varsity & Modified Football
  - Upper & Lower Reynolds Field
- Varsity, JV, & Modified Boys Soccer
  - Upper/Lower Burke Field & Practice Field
- Varsity, JV, & Modified Girls Soccer
  - Lower/Upper Burke Field & Practice Field
- Varsity, JV, & Modified Field Hockey
  - Dr. Fazio Memorial Baseball Outfield Field
- Varsity & Modified Boys Cross Country
  - Burke Estate - Meets require shutting down Lower Burke Field
- Varsity & Modified Girls Cross Country
  - Burke Estate - Meets require shutting down Lower Burke Field

Spring Teams

- Varsity, JV, & Modified Boys Lacrosse
  - Upper/Lower Burke Field & Practice Field
- Varsity, JV, & Modified Girls Lacrosse
  - Upper/Lower Burke Field & Practice Field
- Varsity Girls Flag Football
  - Reynolds Field
- Club Ultimate Frisbee (Coed)
  - Reynolds Field
- Varsity, JV, & Modified Baseball
  - Dr. Fazio Memorial Baseball Outfield Field (Burke)
  - Modified is sent to Zinnser Park for practices
- Varsity, JV, & Modified Softball
  - Hillside E.S. Softball Field

The existing grass fields are used by the Hastings Athletic Department to service 15 teams in the Fall Season & 14 teams in the Spring Season from 3:30 pm until dusk, as well as Physical Education and other school activities during the day.

Hastings-on-Hudson UFSD

Field Scheduling – Fall Season

Progressive loss of daylight means fields can only handle one event (practice or home game) from 3:30 pm to dusk.

During inclement weather days which force us off the grass fields, all teams must share the limited indoor gym space for practices.

Fall Season

- Approx. 8-10 weeks
- Varsity/JV Start Date: ~August 21st
- Modified Start Date: ~September 11th
- Upper & Lower Reynolds - (Varsity & Modified Football) - 6 days per week - 3 hours per day - more on game days - approx. 180-192 hours per season
- Upper Burke - (Varsity/JV Boys Soccer) - 6 days per week - 2- 2 ½ hours per day - more on games days - approx. 120 hours-150 hours *
- Lower Burke - (Varsity/JV Girls Soccer) - 6 days per week - 2- 2 ½ hours per day - more on games days - approx. 120 hours-150 hours *
- Baseball Outfield (Varsity/JV & Modified Field Hockey) - 6 days per week - 2- 2 ½ hours per day - more on games days - approx. 120 hours-150 hours *
- Practice Field (constant use Mon-Fri by modified Boys & Girls Soccer) - roughly 27 modified boys & girls home games must be scheduled on above four fields

(*) Varsity & JV teams (and Modified Field Hockey) share field and outer section of field for a 2- 2 ½ hour practice if no home game for either team.

Hastings-on-Hudson UFSD

Field Scheduling – Spring Season

Daylight Savings Time means fields can handle two events (abbreviated practice and home game) from 3:30 pm to 7:30 pm

Fields are typically not ready for play first two-four weeks of NYSPHSAA Section One calendar; forcing teams to have indoor practice only - which must be schedule with all programs.

During inclement weather days teams are forced off the grass fields, all teams must share the limited indoor gym space for practices.

Spring Season

- Approx. 8-10 weeks
- Varsity/JV Start Date: March 17, 2025
- Modified Start Date: March 31, 2025
- Upper Reynolds - (Girls Flag Football) - 6 days per week - 2 hours per day - more on game days - approx. 180-190 hours per season
- Lower Reynolds - (All sports who may need a space due to poor field conditions on their practice/game fields)
- Upper Burke - (Varsity/JV Boys Lacrosse) - 6 days per week - 2- 2 ½ hours per day - more on games days - approx. 120 hours-150 hours *
- Lower Burke - (Varsity/JV Girls Lacrosse) - 6 days per week - 2- 2 ½ hours per day - more on games days - approx. 120 hours-150 hours *
- Baseball Outfield (Varsity/JV Baseball) - 6 days per week - 2- 2 ½ hours per day - more on games days - approx. 120 hours-150 hours *
- Burke Practice Field (constant use Mon-Fri by modified Boys & Girls Lacrosse, but roughly 14 modified boys & girls lacrosse home games must be scheduled on the Burke Fields)
- Dr. Fazio Memorial Field (Burke) - (Varsity/JV Baseball) - 6 days per week - 2 hours each for practice - 2 ½ -3 hours per game
- Hillside E.S. Softball Field – (Varsity/JV Softball) - 6 days per week - 2 hours each for practice - 2 ½ -3 hours per game

(*) All Varsity & JV teams share field and outer section of field for a 2- 2 ½ hour practice if no home game for either team.

Hastings-on-Hudson UFSD

Home Game Scheduling











- Home Games cannot be scheduled until after teams have completed a minimum of six (6) team practices.
- Fall Season - There are approximately 117 scheduled home games for our 15 teams – translating to more than two (2) per weekday and two (2) every Saturday.
- Spring Season - There are approximately 116 scheduled home games for our teams (not including baseball) – translating to more than two (2) per weekday.
- Home games require teams to:
  - Share fields
  - Shorten or cancel practices
  - Practice inside or at another location
  - Schedule an away game that same day
- Inclement weather forces indoor or cancelled practices/games.
- There are times when the District must borrow or rent fields from neighboring school districts and/or indoor facilities.

Community Usage

Community Demand for Hastings UFSD Athletic Fields

The Village of Hastings does not own or control the use of a single rectangular playing field for youth sports programs or casual recreation by residents of all ages.

In addition to school athletic team usage, the Hastings-on-Hudson UFSD permits use of the fields by the following organizations:

- AYSO 324/RUFC (local community-based youth soccer program)
- Hastings Parks & Recreation Department
- Little League (Baseball & Softball)
- USA Ultimate
- Westchester Heat
- School Sponsored Outside Organization Events

Many use of field requests must be denied because the grass fields cannot withstand more use. This limits potential revenue for the school district.

In 1946, the Village of Hastings-on-Hudson transferred ownership of Reynolds Field to the Hastings UFSD with the caveat that the field should be made available to Village residents for recreational use during hours when the field was not being utilized for school purposes. The issue is the fields are in constant use by Hastings UFSD limiting access for residents.



Weather Impact on Fields



A storm does not just affect a field for one day. Often fields need to be closed for multiple days in a row to allow the fields to dry out and allow for safe playing conditions.

What happens when we get Inclement Weather?

- Due to limited and size of indoor space:
  - Practices are not as effective and/or safe.
  - Practices are shorter to accommodate all Varsity programs.
  - We cannot accommodate all teams.
  - Many times, the JV & Modified teams cannot practice and are forced to use a classroom.
- We are also forced to rent out local indoor facilities or neighboring schools turf fields.

Do we really get that much Inclement Weather?

- Fall 2023 the Athletic Office had to:
  - Cancel 71 Games
  - Move 10 Home Games to opponent's Turf Field
  - Shift 12 Start Times
  - Cancel 30+ Outdoor Practices
- Spring 2023 the Athletic Office had to:
  - Cancel 34 games
  - Move 4 games to opponent turf field.
  - Move a first-round sectional game losing home field advantage.

Synthetic Turf Fields

How Can a Synthetic Athletic Field Benefit K-12 Schools?

- Decreased Maintenance Cost
- Decreased Water Usage
- Lush Green Field Year Round
- Increased Durability
- Faster Drainage after Storms
- Increase in Available Playtime
- Freedom from Seasonal Limitations
- No Downtime for Field after Heavy Use
- Elimination of Pesticides and Fertilizers
- Multipurpose Use
- Consistent level playing fields help reduce injuries
- Reduction of carbon footprint and noise pollution with less use of gas-powered machinery to maintain fields



Pros & Cons of Synthetic Turf Fields



You can use your field as much as you want



Freedom from weather and seasonal restrictions



Snow and ice melt faster on turf fields



Durability and a consistently pristine field



Massive reduction in water usage and maintenance hours/cost



Revenue from field rentals



In the extreme heat the field is hotter than grass



Higher upfront cost



Installation requires a specialized professional



Some prefer the feel of fresh grass



Health Concerns

- In the past, the use of Styrene-butadiene rubber (SBR) has provoked questions about health risks so other types of infill materials have been developed.
- Alternative infills include coated sand, EPDM, organic materials (cork, coconut, walnut shells), and Thermoplastic Elastomers (TPE). The alternative infills offer various benefits and also impact the price of the system.

Section 1 Districts

Districts with Turf Field(s)

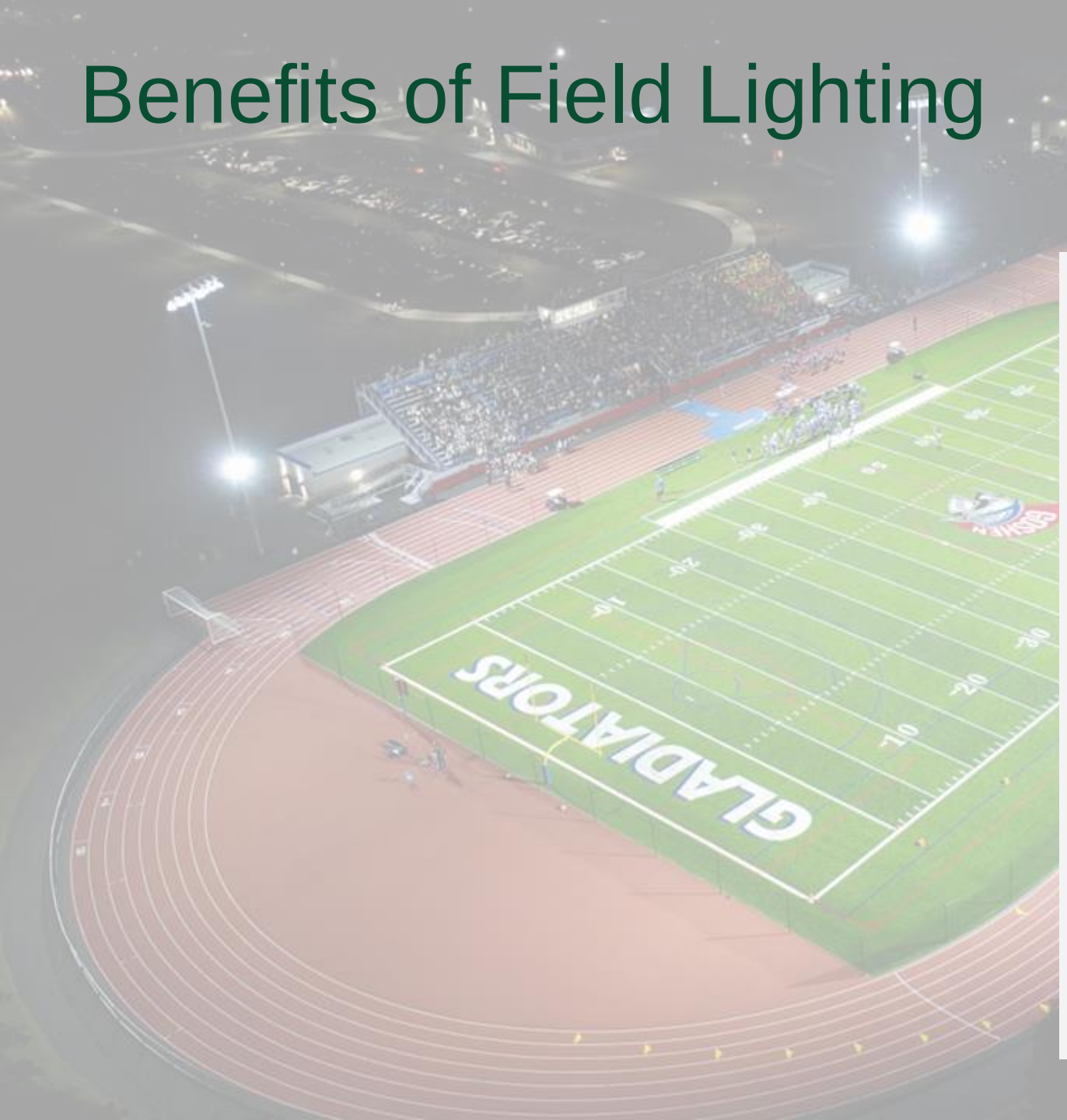
Albertus Magnus	Alexander Hamilton	Ardsley	Arlington	Blind Brook	Brewster
Briarcliff	Bronxville	Carmel	Clarkstown North	Clarkstown South	Croton-Harmon
Dobbs Ferry	East Ramapo	Eastchester	Edgemont	Fox Lane	Haldane
Harrison	Hendrick Hudson	Horace Greeley	Irvington	John Jay CR	John Jay EF
Keio Academy	Lakeland	Mahopac	Mamaroneck	Mount Vernon	Nanuet
New Rochelle	North Rockland	North Salem	Ossining	Pawling	Pearl River
Peekskill	Pelham	Pleasantville	Port Chester	Poughkeepsie	Putnam Valley
Ramapo	Roy C Ketcham	Rye	Scarsdale	Sleepy Hollow	Somers
Spring Valley	Suffern	Tappan Zee	Tuckahoe	Ursuline	Valhalla
Walter Panas	Wappingers	Westlake	White Plains	Woodlands	Yorktown

Note: Approximately 25 of the schools listed above have multiple artificial turf fields.





Benefits of Field Lighting



- During Hastings UFSD spring sports season there is enough daylight to play games or conduct practices from 3:30-7:30 pm
- During Hastings UFSD fall sports season the end of daylight progressively goes from roughly 7:15 pm to 5:45 pm, rendering doubleheader events impossible even if fields could handle “wear & tear” of increased activity.
- A turf field with permanent lights suitable for athletic play would:
  - Permit 2 additional hours of play Mon-Fri for 9 weeks (90 total hours)
  - Permit occasional “Friday Night Lights” or “Saturday Night Lights” home games for football, field hockey, boys and girls soccer and boys and girls lacrosse.
- Create a venue for casual recreational play for the Village’s teenagers after dark.

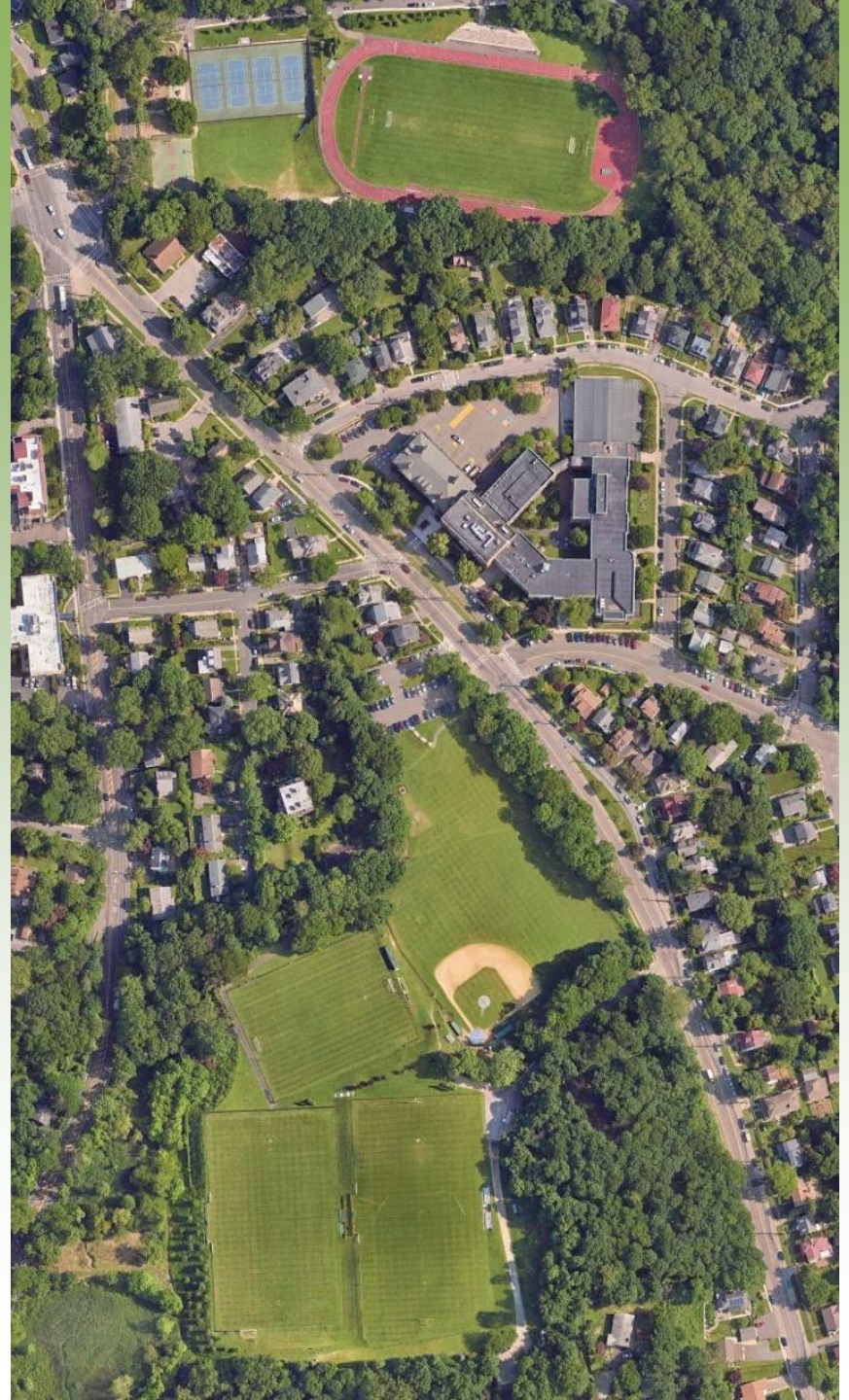
Project Goals

Burke Estate Site:

- **Improve playability of natural grass field(s) to minimize loss of use and extend hours of use.**
- **Evaluate drainage and irrigation improvements to the natural grass fields.**
- **Evaluate converting a natural grass field into artificial turf.**
- **Consider installing athletic field lighting.**
- **Consider parking opportunities.**
- **Determine the feasibility and costs of options.**
- **Provide a conceptual site plan depicting athletic field improvements, athletic field lighting, installation of a new grandstand and a press box.**

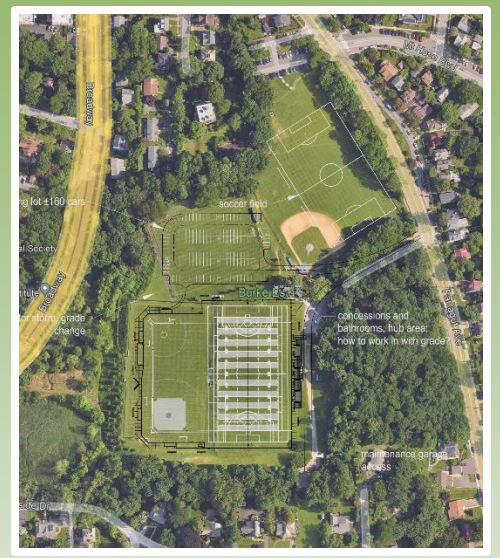
First Steps:

1. **Visit and evaluate the existing site.**
2. **Develop Schematic plans of the site and structures for initial review with the District.**
3. **Gain input from the Key District Stakeholders.**
4. **Present options to the Board of Education.**
5. **Evaluate the environmental impacts of the project.**
6. **Evaluate the overall feasibility and costs of the project.**



Design Process







Site Observations (Both Locations) → Concept Sketches → Initial Concept Renderings







Option A

Hudson-on-Hastings Burke Athletic Complex

Proposed Program:

1. **Natural Turf Baseball Field**
    1. Left and Right Field: 285’
    2. Center Field: 350’
    3. Backstop, Bullpen, Batting Cage, Dugouts, Bleachers
    4. No Field Lights
2. **Natural Turf Softball Field**
    1. Left and Right Field: 200’
    2. Center Field: 200’
    3. Backstop, Bullpen, Batting Cage, Dugouts, Bleachers
    4. No Field Lights
3. **Multi-Sport Synthetic Turf Field**
    1. Soccer (180’x330’)
    2. Field Hockey and Lacrosse Regulation Size
    3. LED Field Lights
4. **Multi-Sport Synthetic Turf Field**
    1. Soccer (200’x360’)
    2. Football and Lacrosse Regulation Size
    3. LED Field Lights
    4. Grandstand and Press Box Capacity: ±500 Seats
5. **Parking for ±22 Cars**
6. **Drop Off / Emergency Vehicle Turn Around**
7. **Stormwater Basin / Treatment**
8. **Future Skate Park Area**



Option A Concept Photos









Option B

Hudson-on-Hastings Burke Athletic Complex

Proposed Program:

1. **Multi-Sport Synthetic Turf Field**
   1. Soccer (200'x330') Field Hockey Regulation Size
   2. Softball
      - Right / Left Field: 245'
      - Center Field: 225'
      - Backstop, Bullpen, Batting Cage, Dugouts, Bleachers
   3. LED Field Lights
2. **Multi-Sport Synthetic Turf Field**
   1. Soccer (200'x360')
   2. Football, Lacrosse Regulation Size
   3. Baseball
      - Right / Left Field: 300'
      - Center Field: 350'
      - Backstop, Bullpen, Batting Cage, Dugouts, Bleachers
   4. Grandstand Bleachers and Press Box ±500 Seats
3. **Existing Practice Field to Remain**
   1. Potential for Future Parking Expansion
4. **Parking for ±38 Cars**
5. **Parking for ±18 Cars**
6. **Drop Off / Emergency Vehicle Turn Around**
7. **Stormwater Basin / Treatment**
8. **Future Skate Park**



Option B Concept Photos









Questions?

LAN ASSOCIATES

The LA GROUP
Landscape Architecture & Engineering P.C.
People. Purpose. Place.