

Regional School District No. 18

Lyme Street Campus

Multipurpose Field

Public Forum

October 21, 2020



MILONE & MACBROOM



HISTORY



ATHLETIC FIELDS AD HOC COMMITTEE CHARTER

Evaluate the three multi-purpose athletic fields and develop a Board of Education recommendation for facility improvements which best serves the long-term needs of the school district and community.



AD HOC ATHLETIC FIELD COMMITTEE MEMBERS

- David Brown Lyme BOF
- Donald Bugbee OL P&R Director
- Rick Caulkins Facilities Committee
- Glenn Fergione Asst. Dir. of Fac.
- Kevin Fuselier MMI Lead Designer
- Brian Greenho Lacrosse Club
- David Kelsey OL BOF
- Rich Goulding BOE
- Hilda Heck Athletic Director
- Nancy Lucas BOE
- Phil Neaton Facilities Committee
- Ian Neviasser Superintendent
- Patrick Pryor Parent
- John Rhodes Dir. Of Fac. & Tech.
- Tom Risom OL Zoning & Fire Chief
- Michelle Roche BOE
- Tom Sherer Facilities Committee
- Jason Thornton Lyme P&R Director
- Marc Vendetti HS Boys Soccer Coach
- Jean Wilczynski BOE
- Stacy Winchell BOE



AD HOC COMMITTEE RECOMMENDATION

- Install a dedicated irrigation system water supply – **Completed 2019**
- Install artificial turf on practice field
 - Configuration to accommodate Soccer, Lacrosse, Baseball, & Softball



EXISTING MULTIPURPOSE FIELDS



Track Field

- Soccer and Lacrosse
- Irrigated
- Under Field Drainage
- HS/MS Physical Education

Soccer/Lacrosse Field

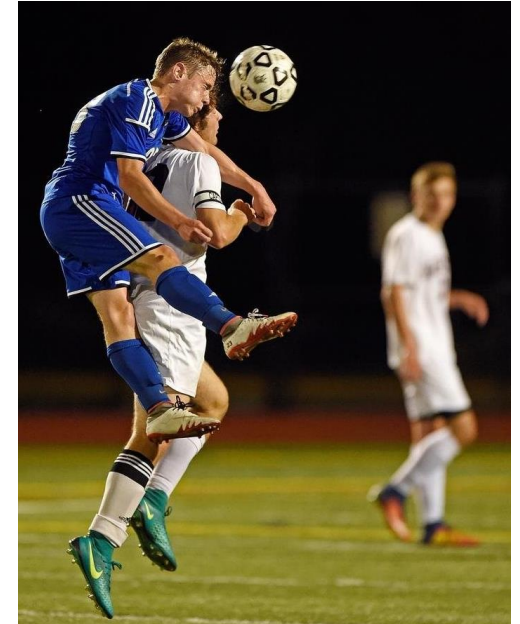
- Soccer and Lacrosse
- Irrigated
- HS/MS Physical Education

Practice Field

- Practice field for Soccer, Lacrosse and Baseball
- Not Irrigated
- HS Physical Education

CURRENT ATHLETIC FIELD CHALLENGES

- Insufficient irrigation water supply
- Pesticide ban
- Usable field space during early spring
- Repair of field damage following lacrosse season
- Summer month shut down
- 'Regrow' of practice field following each summer season
- Baseball and softball practice areas
- Facilities staff workload and field maintenance costs
- Maintenance interruptions in physical education programs
- Weather dependent use



IRRIGATION DEMAND VERSUS WATER SUPPLY

- Track and soccer/lacrosse fields irrigated using Lyme Street campus potable water system
- Lyme Street Campus water system supplies:
 - High School, Middle School, Center School, Town Hall, Fire House, LYSB & OL Historic Society
- Added new well Winter 2017 due to diminishing well field yield
- Lyme Street campus water system output = 100,296 gallons/week
- Existing irrigation system demand (1" water/week)
 - Track + soccer/lacrosse fields = 106,072 gallons/week
- Estimated irrigation system demand (1" water/week)
 - Track + soccer/lacrosse + practice fields = 195,208 gallons/week
- Water purchases Summer 2015 & 2016 to keep up with irrigation demands



ATHLETIC PROGRAM CONFLICTS REMEDIED WITH ALL-WEATHER MULTIPURPOSE FIELD

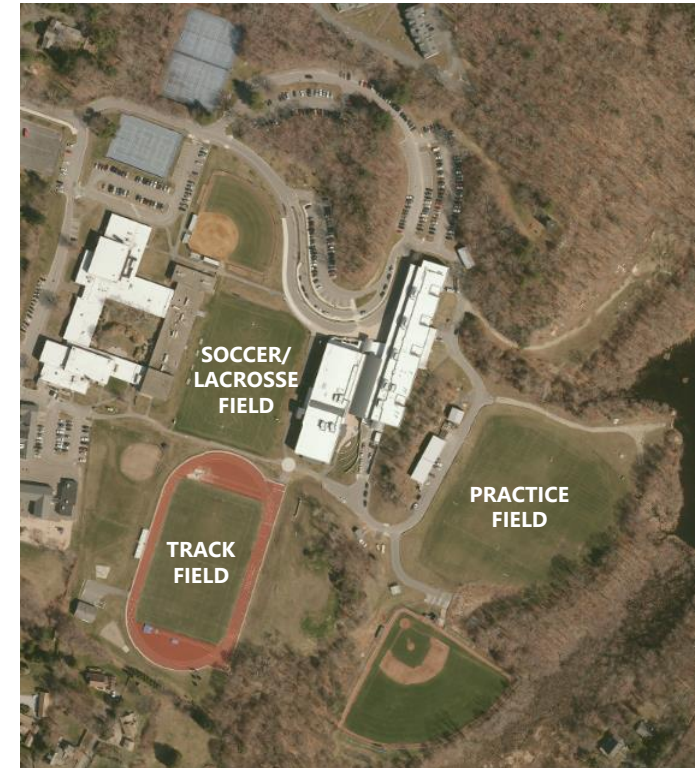
- Spring Sports
 - Starts 3rd weekend of March
 - Fields too wet and muddy for practices 1-2 weeks beginning of Spring season
 - Rain closes fields
 - Varsity, JV and MS baseball – one baseball field
 - Varsity and MS softball – one softball field (CS field used by track team)
 - Varsity & JV on practice field – minimize damage to track field & track team usage
- Summer all fields shut down due to lack of water
- Semi finals and finals played on artificial turf
- Soccer/lacrosse - School district must have a backup game field if our fields are too wet
- Fall Sports
 - Practice field grass is dead due to lack of water



MULTIPURPOSE FIELD USAGE



| | Track Field | Soccer/Lacrosse Field | Practice Field |
|---|-------------|-----------------------|----------------|
| FALL SPORTS (Aug 25-Nov 18) | | | |
| High School Boys Soccer | 12 | 2 | 12 |
| High School Girls Soccer | 8 | 12 | 0 |
| Middle School Boys Soccer | 0 | 2 | 8 |
| Middle School Girls Soccer | 0 | 2 | 8 |
| High School PE | 0 | 30 | 15 |
| Middle School PE | 5 | 20 | 0 |
| AVG PER WEEK | 25 | 68 | 43 |
| High School PE | | | 60 |
| Football* (only used once per season) | 4 | | |
| TOTAL AVG HRS PER SEASON | 304 | 816 | 576 |
| SPRING SPORTS (Mar 18 - June 10) | | | |
| High School Boys Lacrosse | 10 | 0 | 12 |
| High School Girls Lacrosse | 0 | 20 | 0 |
| HS Baseball | 0 | 0 | 15 |
| Track & Field | 0 | 0 | 5 |
| Middle School Baseball | 0 | 0 | 10 |
| High School PE | 0 | 30 | 15 |
| Middle School PE | 15 | 15 | 0 |
| AVG PER WEEK | 25 | 65 | 57 |
| TOTAL AVG HRS PER SEASON | 300 | 780 | 684 |
| TOTAL AVG HRS PER YEAR | 604 | 1596 | 1260 |



LIMITATIONS OF NATURAL GRASS

- Susceptible to Weather Conditions
 - Increase in Cancellation/Rescheduling Practices & Games
- Irrigation required to maintain healthy turf
- Limited Usage
 - For Good Quality Grass Fields – Max Usage is 15-20 Hours/Week
 - Synthetic Turf Used ± 50 Hours/Week (with lighting)
 - Rule of Thumb: 3 Grass Field = 1 Turf Fields



WHY ARTIFICIAL TURF ON PRACTICE FIELD

- Minimizes irrigation demands providing long term Lyme Street Campus water supply protection
- Addresses all athletic program field challenges:
 1. Simultaneous athletic program usage
 2. Weather independent
 3. Early spring season use
 4. Baseball and softball practice areas
 5. Reduces field maintenance impact on physical education program
 6. Preserves community investment in track and soccer/lacrosse fields
 7. Preserves track and soccer/lacrosse field grass
 8. Size limitations of the soccer/lacrosse field
- Athletic field available during winter and summer seasons
- Expands athletic field usage to outside groups
- Reduces overall maintenance burden
 - Eliminates need to 'regrow' practice field grass at the end of each Summer
 - Protects grass competition fields during early spring usage



SUSTAINABILITY

- Reduces watering needs:
 - A hose bib connection is all that is needed for incidental cleaning of the playing surface
- No fertilizers required
- Reduced maintenance:
 - Monthly to bi-monthly grooming vs. weekly mowing
- Crumb rubber infill is a recycled product:
 - Reduces the amount of used vehicular tires that typically end up in a landfill
 - Rubber can be reclaimed and reused at the time of field replacement
- The synthetic turf carpet can be repurposed at the time of replacement and can also be recycled:
 - Used turf will no longer need to be disposed of in a landfill
 - Currently, turf can be recycled and turned into a variety of materials:
 - Composite wood decking and fencing
 - Synthetic turf shock pad underlayment
- At time of turf replacement, no heavy construction required to prepare the field for new turf



EXISTING CONDITIONS





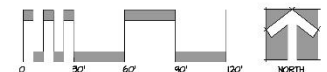
FIELD C - SYNTHETIC TURF

CONCEPTUAL LAYOUT REGIONAL SCHOOL DISTRICT NO. 18

69 LYME STREET
OLD LYME, CONNECTICUT JUNE 2017

MILONE & MACBROOM®

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DUBLIN, OHIO 43017-1441
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FIELD C - SYNTHETIC TURF

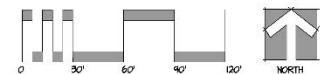
CONCEPTUAL LAYOUT REGIONAL SCHOOL DISTRICT NO. 18

69 LYME STREET
OLD LYME, CONNECTICUT

JUNE 2017

MILONE & MACBROOM

100% Final
 Project: Old Lyme High School
 Date: 06/15/17
 www.miloneandmacbroom.com





FIELD C - SYNTHETIC TURF

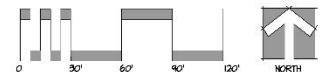
CONCEPTUAL LAYOUT REGIONAL SCHOOL DISTRICT NO. 18

69 LYME STREET
OLD LYME, CONNECTICUT

JUNE 2017

MILONE & MACBROOM

100 Feet Scale
Graphic: 1/8" = 1'-0"
DATE: 2/14/17 BY: 2017-07-10
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NOT TO SCALE



PROJECT CONSIDERATIONS

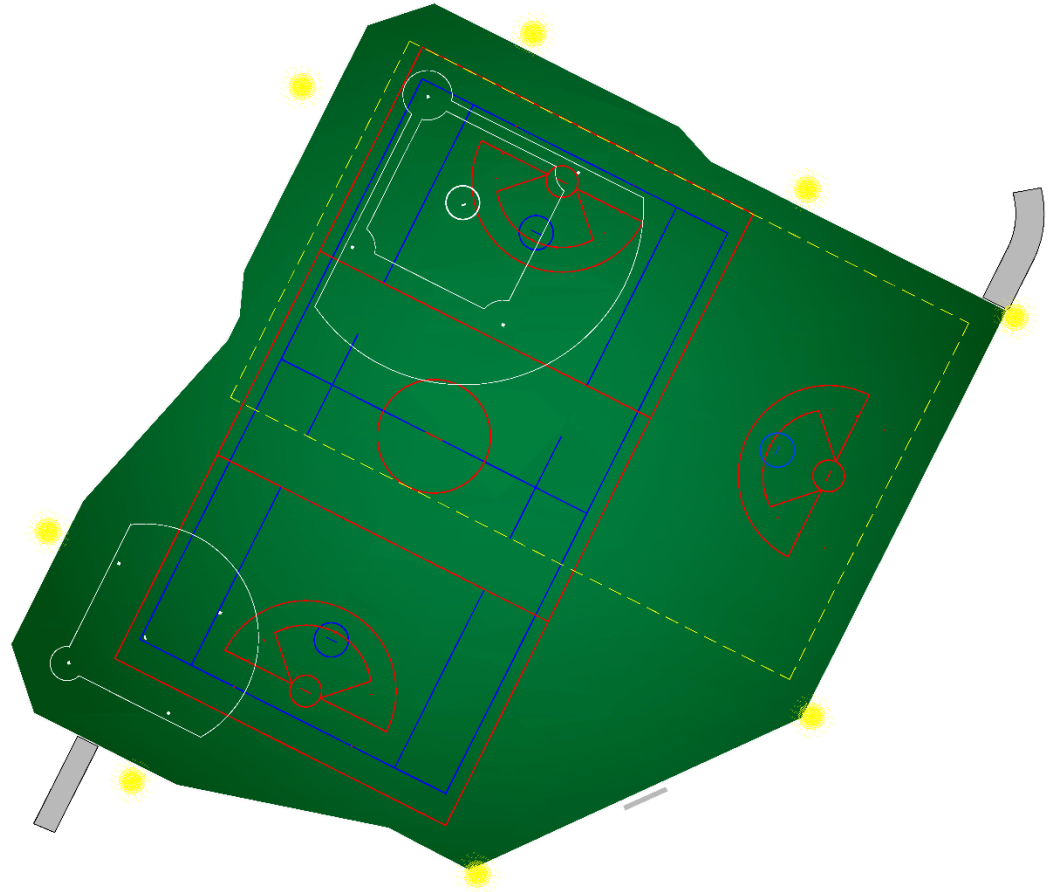


Project Scope

- Synthetic Turf Multipurpose Athletic Field
 - Lacrosse
 - Soccer
 - Baseball
 - Softball
 - Physical Education
- Perimeter Treatments
 - Chain Link Fencing
 - Ball Safety Netting
- Field Access
 - Walkway and Driveway Improvements
 - Project Consideration

Not in Current Scope

- Scoreboard
- Spectator Improvements
- Lighting (Infrastructure only)



PROPOSED BUDGET

- Artificial turf practice field
 - Town of Old Lyme commission approvals and associated design details \$23,800 – BOE approved, contracted, and completed
 - Design, bidding and construction administration \$64,500
 - Turf field installation with crumb rubber infill and no options \$2,101,500.

PROJECT FUNDING PLAN

- Utilize District's Undesignated Fund
- Current balance **\$2,107,873**
- Projected balance October 2021 **\$2,450,000**



UNDESIGNATED FUND

- C.G.S. Sec. 10-51(d)(2) allows regional Boards of Education to appropriate up to 1% of the current fiscal year's budget to a reserve fund for capital and nonrecurring expenditures.
- Since the Region 18 BOE first established this fund we have been able to use it for the following:
 - Main Campus Track*
 - Mile Creek Roof Replacement Project
 - Mile Creek Window and Door Replacement Project
 - Lyme Roof Replacement Project
 - LOLMS Partial Roof Replacement Project
- Current balance **\$2,107,873**
- School district can reserve up to 1%/fiscal year but law may change to allow up to 2%
- Projected balance October 2021 **\$2,450,000**



TIMELINE (*COVID REVISION)

- Ad Hoc Committee Meeting(s) 2017-2019
- Multipurpose Field Community Forum Fall 2020*
- Inlands Wetlands Commission Application Spring 2020
- Planning and Zoning Commission Application Fall 2020*
- Final Design Winter 2021
- Bidding Winter 2021
- Award and Construction Summer 2021

QUESTIONS

