

Field and Track Renovation and Reuse



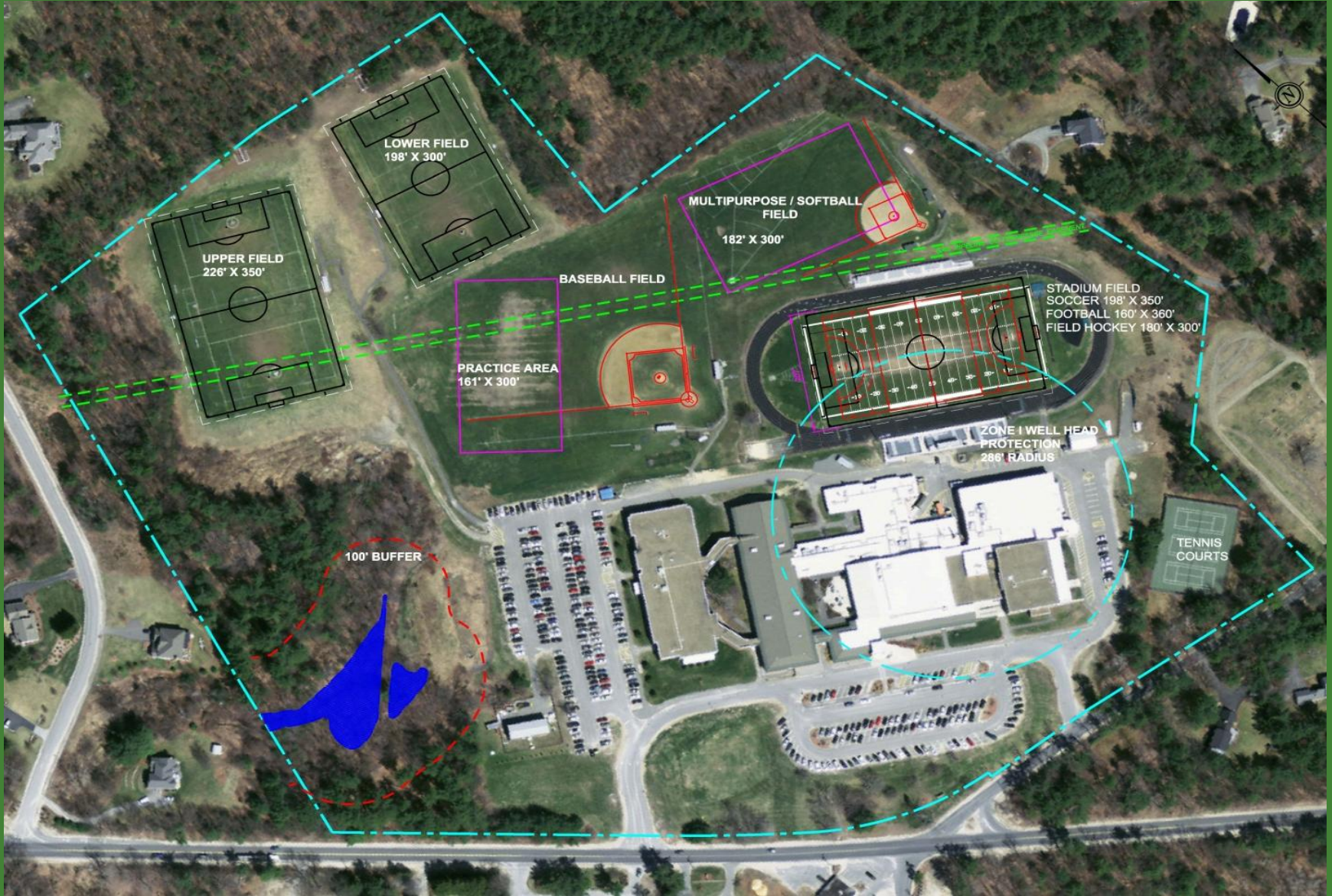
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Nashoba Regional High School Existing Athletic Facilities





Nashoba Regional High School Condition Evaluation - Track





Nashoba Regional High School Condition Evaluation – Field & Tennis



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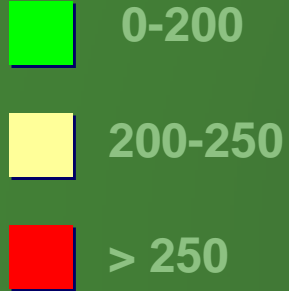
Nashoba Regional High School

Condition Evaluation – Seating and Accessories





Demand vs. Carrying Capacity



Field Location	Field	Field Type	Total Annual Uses
Stadium Field	Field 1	MPR	93
Baseball Field	Field 1	90' BMPR	470
Softball Field/Multipurpose Field	Field 1	60' BMPR	388
Lower Field(s)	Field 1	MPR	302
	Field 2	MPR	
Upper Field	Field 1	MPR	248
Tennis Courts	Court	-	NA
Basketball Courts	Court	-	NA
Front Grass Area			17
Total			1518

B = Baseball/Softball
MPR = Multipurpose Rectangular



Why Install Synthetic Turf Multi-Purpose Game Field?

“Filled” Synthetic Turf Advantages:

- Dramatically increased use (2-3 X)
- Allows full use of proposed athletic lighting
- Very low maintenance
- Grass-like look and performance
- All-weather availability
- Environmentally sensitive
- Permanent lines and markings
- Enhanced player safety
- Pay-to-play opportunities
- Image/Branding
- Immediate availability





How Long Will the Carpet Last?

How Durable Is the Turf?

- Today's infilled carpets expected to last 14 years.
- UMASS Lowell (the oldest infilled field in New England) used a less durable technology carpet and still lasted 11 seasons of *constant* use.



UMASS Lowell - 1999

UMASS Lowell Users:

- Football (2 Seasons)
- Field Hockey – Varsity & JV
- Soccer – Men & Women
- Lacrosse – Men & Women
- Intramurals
- Club Sports
- Community/Youth Sports
- Summer Camps/Clinics
- Baseball
- Softball

UMASS Lowell Use Statistics:

- 7 Hours/Day (Mon.-Fri.)
- 12 Hours/Day (Sat.-Sun.)
- 30 weeks per year (May-Nov.)
- 1800 direct use hours per year
- 18,000 hours over the 10-year life

▪ **720 events/year @
2.5 Hours/Event**



Nashoba Regional High School School Committee Adopted Plan





Findings & Conclusions Related To Demand

FIELD LOCATION	TOTAL ANNUAL USES	PROPOSED USES
Stadium Field	93	423 *PE not a field demand
Baseball Field	470	200
Softball / Multipurpose Field	388	250
Lower Field	302	250
Upper Field	248	235
Front Grass Area	17	0
Total	1518	1358

- Stadium Field use of “93” is artificially low as field can not sustain any additional uses.
- Front grass area is used for expansion needs of clubs and softball.
- Propose 5 new tennis courts allowing:
 - 3-singles matches
 - 2-doubles matches



Findings & Conclusions Related To Potential Revenue Source

FIELD LOCATION	TOTAL ANNUAL USES	PROPOSED USES	MAXIMUM SUSTAINABLE USES
Stadium Field	93	423 *PE not a field demand	600
Baseball Field	470	200	250
Softball / Multipurpose Field	388	250	250
Lower Field	302	250	250
Upper Field	248	235	250
Front Grass Area	17	0	0
Total	1518	1358	1600 (Approx 242 Additional Uses)

- At 250 uses grass fields are able to “rest” and remain sustainable.
- Existing field repairs and renovations would be managed within the grounds budget and phased over a period of time.
- Additional uses on Stadium Field would allow the addition of new student teams and events as well as outside revenue creating events.



Nashoba Regional High School School Committee Adopted Plan

• Synthetic Turf Field	\$ 850,000
• Track Reconstruction and Expansion	\$ 400,000
• New Stadium Lighting	\$ 300,000
• New Concessions Building	\$ 200,000
• Tennis Court Construction	\$ 200,000
• Site Improvements (Ret. walls, walkways)	\$ 115,000
• Relocation of Spectator Seating	\$ 65,000
• Fencing and Accessories	\$ 80,000
	<u>\$ 2,210,000</u>



Financial Information

- Operating Budget Expense
- Approximately \$190,000 for each year for 15 years
 - \$190,000
 - -25,000 from revenues / ticket sales
 - -15,000 from revenues / rentals
 - Leaving \$150,000 annually
 - Approximately
 - \$43,000 Lancaster
 - \$50,000 Bolton
 - \$57,000 Stow
 - (Based on existing Regional Agreement Formula)
 - Any fundraising can further reduce this amount on an annual basis



Phasing Plan Criteria

- Accomplish the projects which result in the biggest impact first, to set the conditions for the project.
- Accomplish the remaining Master Plan elements in order of relative importance, based on projected use.
- Attempt to accomplish all elements of the Master Plan in five years, including the current year.
- Attempt to balance the District's expenditure on field renovations throughout the Master Plan implementation period.
- Schedule Master Plan elements which only provide for a renovation of an existing field in place, with no change in layout or use, late in the phasing plan.



Phasing Plan Summary

LOCATION	Summer '12	Fall '12	Spring '13	Summer '13
PHASE I				
Stadium Field	\$850,000			
Track Reconstruction	\$400,000			
Athletic Lighting	\$300,000			
Site Improvements	\$50,000			
Fencing & Accessories	\$30,000			
Relocate Seating	\$65,000			
PHASE II				
Tennis Courts		\$200,000		
Site Improvements		\$15,000		
PHASE III				
Fencing & Accessories			\$20,000	
Concessions Building			\$200,000	
PHASE IV				
Fencing & Accessories				\$30,000
Site Improvements				\$50,000
Total Costs	\$1,695,000	\$215,000	\$220,000	\$80,000

Total Cost: \$2,210,000



Conclusions

- **Field Capacity Increase of 40%**
- **General Enhancement to Turf Quality**
- **Enhanced Student-Athlete Safety**
- **Reduced Maintenance Costs**
- **Enhanced Environmental Sensitivity**
- **Enhanced Community Asset**
- **Enhanced Imaging and Branding**



Plan Summary

