



Community – Stakeholders Presentation

Memorial Field Master Plan

Kittery, ME

Kathy D. Hervol, Director of Athletics

Matthew S. Kinlin, E.I.T., Senior Staff Designer

September 18, 2023

Introduction: Memorial Field Master Plan

Committee:

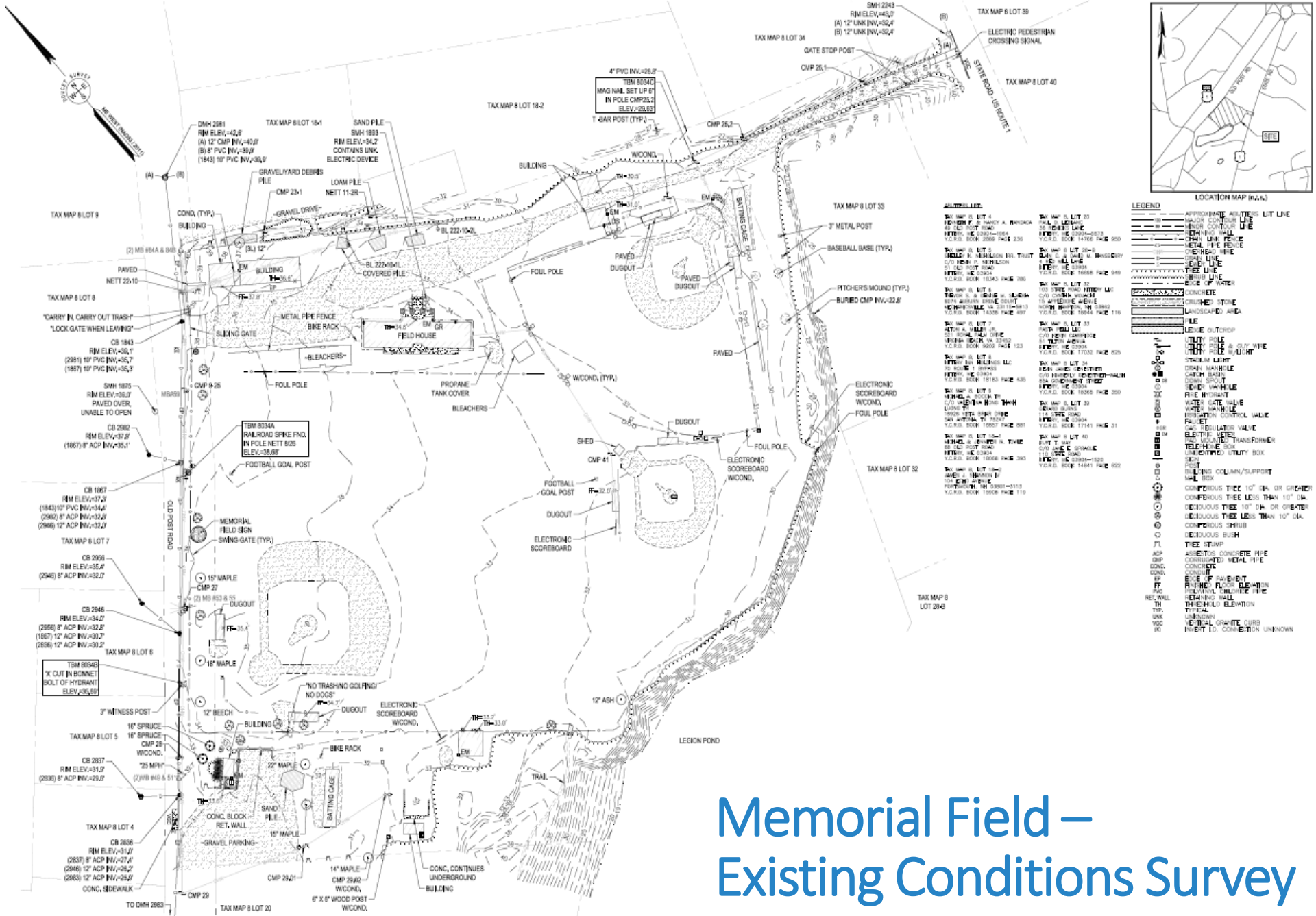
- **Kendra Amaral, Kittery Town Manager**
- **Traip Academy Athletics**
- **Kittery Little League**
- **Kittery Athletics and Fields Committee**
- **Kittery Youth Lacrosse**
- **Kittery Youth Soccer**
- **Babe Ruth Baseball League**
- **Adult Sports**



Kittery Master Plan

Scope of Work:

- **Background Investigation/Existing Facilities Assessment**
- **Program Development/Needs Assessment**
- **Proposed Options/Conceptual Plans**
- **Master Plan Report**
- **Management/Maintenance Research**



Memorial Field – Existing Conditions Survey

Background Investigations/Existing Facilities Assessment

- Field Evaluations
- Site Research
- Permitting
- Constraints

Athletic Field Evaluation Form



Name of Venue

Field Grade: **2.0**

| | | | |
|-----------------------|--|-------|---------|
| Date of Evaluation | 3/24/2023 | | |
| Type of Field: | Multi-Purpose Rectangular (MPR) (Football) | | |
| Number of Fields: | 1 | | |
| Typical age of users: | | | |
| MPR Field Dimensions: | Length: | Width | Run-Out |
| | 360' | 160' | 15' |

| | N/A | Poor (1) | Fair (2) | Good (3) | Excellent (4) |
|---|------------|----------|----------|----------|---------------|
| Geometry | | | X | | |
| Stand of Turf | | | X | | |
| Planarity (playing surface - lack of dips, heaves, holes, etc.) | | | X | | |
| Striping (Completeness, visibility, condition) | X | | | | |
| Fencing (Perimeter fencing, gates, etc.) | | | X | | |
| Irrigation (condition, coverage, reported adequacy) | X | | | | |
| Safety (Run-outs, lack of obstructions, etc.) | | | X | | |
| Support Equipment (goals, players benches, etc.) | | X | | | |
| Athletic Lighting (reported adequacy, lack of spill / glare, general condition, etc.) | X | | | | |
| Site Lighting | | | | X | |
| Spectator Seating (condition, size, accessibility, etc.) | | | | X | |
| Drainage | | X | | | |
| Average Score = | 2.0 | | | | |

Comments

1. Some bare spots on field, many dips/heaves in field are a tripping hazard and some do not properly drain, dips appear to pond at times.
2. Football goal posts, practice equipment, and benches appear to be old and rust can be seen on all of them.
3. Fence between building/grandstands and football field is a low spot that has significant ponding issues. Fence also in fair condition
4. Section of field is located in baseball infield which is raised and is another tripping hazard.

Site Photos
Kittery Memorial Field Master Plan
March 24, 2023
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MEMORIAL FIELD - BASEBALL FIELD



Photo 1: Infield and pitcher's mound in fair condition with signs of ponding and moss growing.



Photo 2: Dips and heaves in right field.



Photo 3: Large bare spots and evidence of significant ponding along the foul line of right field.



Photo 4: Drop in elevation between outfield and infield.



Photo 5: Poor condition infield that is saturated with evidence of ponding and moss growing.



Photo 6: Batter's circle and base lines in fair condition, evidence of ponding and moss growing.

Memorial Field – Existing Fields



MEMORIAL
FIELD #1

MEMORIAL FIELD #2

TOBEY FIELD #3

DEWOLFE
FIELD #4

Program Development/Needs Assessment

- Issued questionnaires to: TAHSA, KAFC, Kittery Community Center, KYL, KYS, KLL, Babe Ruth Baseball, Adult Sports League
- Meetings with the Field Committee
- Obtain and Compile use data
- Conduct a Needs Assessment
- Field Equivalency/Deficit Data

Stakeholder Questionnaire Response Highlights

- Current fields are at or exceed capacity, field conditions are suffering because of overuse.
- Many fields are shared across multiple programs, complicating scheduling.
- Stakeholders expressed a want for a central location for all or most of high school sports to be played.
- Stakeholders expressed support for synthetic turf fields.
- Stakeholders expressed support for lighting of fields to add playable time.
- High level of effort and cost of maintenance currently required.
- The need for improved and expanded parking at Memorial Field.

Raw Data

| Kittery Memorial Field - Field Study | | Existing Field Use Evaluation - Current Use Raw Data (Scheduled Team Uses) | | | | | | | |
|---|--------------------------------|--|---|------------|-------------------------|----------------------------------|---------------------|-------------------------|---------------------------|
| User Organization | Kittery User Demand Statistics | | | | | Kittery Fields at Memorial Field | | | |
| | Number Teams | Number Participants | Season Start | Season End | Total Games / Practices | Field 1 | Field 2 | Field 3 | Field 4 |
| | | | | | | Memorial Field 90'-Diamond | Memorial Field MPRF | Tobey Field 60' Diamond | DeWolfe Field 60'-Diamond |
| TAHS Boys Baseball - V, JV (questionnaire received) | 2 | 28 | 21-Mar | 17-Jun | 173 | 173 | | | |
| Football - V, JV (questionnaire received) | 2 | 25 | 28-Aug | 1-Dec | 70 | | 70 | | |
| Little League Baseball (questionnaire received) | 18 | 276 | 1-Apr | 20-Aug | 445 | 178 | | 445 | 445 |
| TAHS Field Hockey - V JV** (no questionnaire) | 2 | 25 | 28-Aug | 1-Dec | 70 | | 70 | | |
| Babe Ruth Baseball (no questionnaire) | 2 | 25 | 1-Jun | 1-Jul | 40 | 40 | | | |
| Flag Football - V, JV (no questionnaire) | 7 | 100 | 16-Apr | 1-Dec | 48 | | 48 | | |
| | | | | | | | | | |
| | 33 | 479 | Total Annual Team Uses per Field | | 1469 | 391 | 188 | 445 | 445 |

Notes: ** = Information estimated from Football Coach Questionnaire Responses and Fall Field Matrix provided by Jeremy Paul

LEGEND:

| | |
|--|---------|
| | <200 |
| | 200-250 |
| | 250+ |

Equivalent Use Data

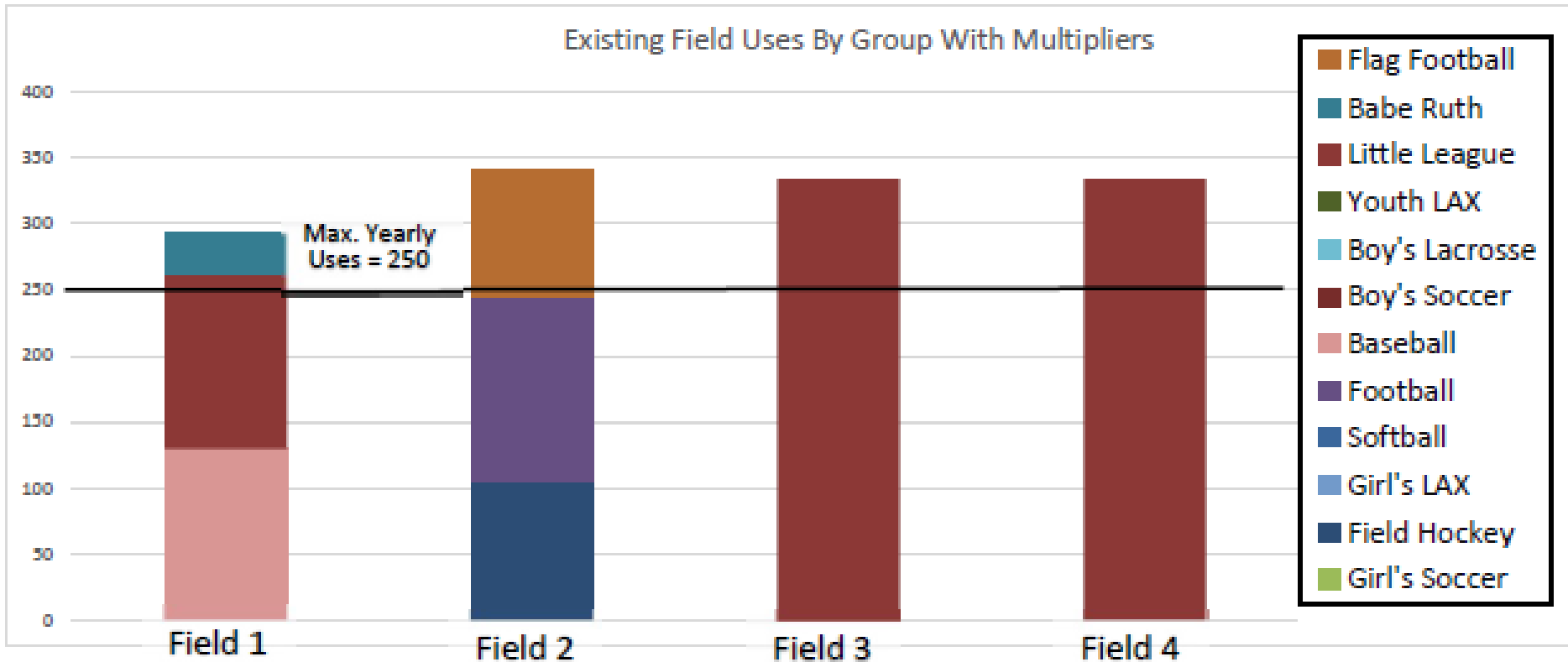
| Kittery Memorial Field Evaluation and Master Plan | | | | | | | Existing Field Use Evaluation - Actual Field Demand (Scheduled Team Uses) | | | |
|--|--------------------------------|---------------------|----------------------|--------------|------------|-------------------------|---|---------------------|-------------------------|---------------------------|
| User Organization | Kittery User Demand Statistics | | | | | | Kittery Fields | | | |
| | Number Teams | Number Participants | Field Use Multiplier | Season Start | Season End | Total Games / Practices | Field 1 | Field 2 | Field 3 | Field 4 |
| | | | | | | | Memorial Field 90'-Diamond | Memorial Field MPRF | Tobey Field 60' Diamond | DeWolfe Field 60'-Diamond |
| TAHS Boys Soccer - V, JV (no questionnaire) | NA | NA | 1.00 | 19-Jun | 10-Nov | NA | | | | |
| TAHS Girls Soccer - V, JV (questionnaire received) | 2 | 25 | 1.00 | 19-Jun | 10-Nov | NA | | | | |
| TAHS Boys Baseball - V, JV (questionnaire received) | 2 | 28 | 0.75 | 21-Mar | 17-Jun | 173 | 129.75 | | | |
| TAHS Girls Lacrosse - V, JV (questionnaire received) | 2 | 33 | 1.25 | 27-Mar | 9-Jun | NA | | | | |
| TAHS Boys Lacrosse - V, JV (questionnaire received) | 2 | 29 | 1.25 | 28-Mar | 15-Jul | NA | | | | |
| Football - V, JV (questionnaire received) | 2 | 25 | 2.00 | 28-Aug | 1-Dec | 70 | | 140 | | |
| Little League Baseball (questionnaire received) | 18 | 276 | 0.75 | 1-Apr | 20-Aug | 445 | 133.45 | | 333.75 | 333.75 |
| Youth Soccer | 13 | 160 | 1.00 | 21-Aug | 15-Nov | NA | | | | |
| Youth Lacrosse (questionnaire received) | 8 | 100 | 1.25 | 15-Mar | 15-Jun | NA | | | | |
| TAHS Field Hockey - V JV** (no questionnaire) | 2 | 25 | 1.50 | 28-Aug | 1-Dec | 70 | | 105 | | |
| Babe Ruth Baseball (no questionnaire) | 2 | 25 | 0.75 | 1-Jun | 1-Jul | 40 | 30 | | | |
| Flag Football - V, JV (no questionnaire) | 7 | 100 | 2.00 | 16-Apr | 1-Dec | 48 | | 96 | | |
| Total Annual Team Uses per Field | | | | | | 1469 | | | | |
| Uses with Field Use Multipliers | | | | | | 1302 | 293 | 341 | 334 | 334 |

Notes: ** = Information estimated from Football Coach Questionnaire Responses and Fall Field Matrix provided by Jeremy Paul

LEGEND:

| | |
|--|---------|
| | <200 |
| | 200-250 |
| | 250+ |

Town of Kittery Master Plan – Field Users



Deficit Data

Field Deficit Data - Based on Equivalent Use

| Use Type | Total Uses | Avg use per Field | Total Fields Needed | Total Fields Needed Rounded | Current No. of Fields | Field Deficit |
|-----------------------|------------|-------------------|---------------------|-----------------------------|-----------------------|---------------|
| 60' Baseball/Softball | 668 | 334 | 2.7 | 3 | 2 | 1 |
| 90' Baseball | 293 | 293 | 1.2 | 2 | 1 | 1 |
| MPR-G8 | 341 | 341 | 1.4 | 2 | 1 | 1 |
| | | | | | | |

G8 = 210 x 330

Notes:
 1. Fields needed, and field deficit data is based on natural grass. Synthetic turf with lights can count for three (3) natural turf fields.

Identified Deficiencies

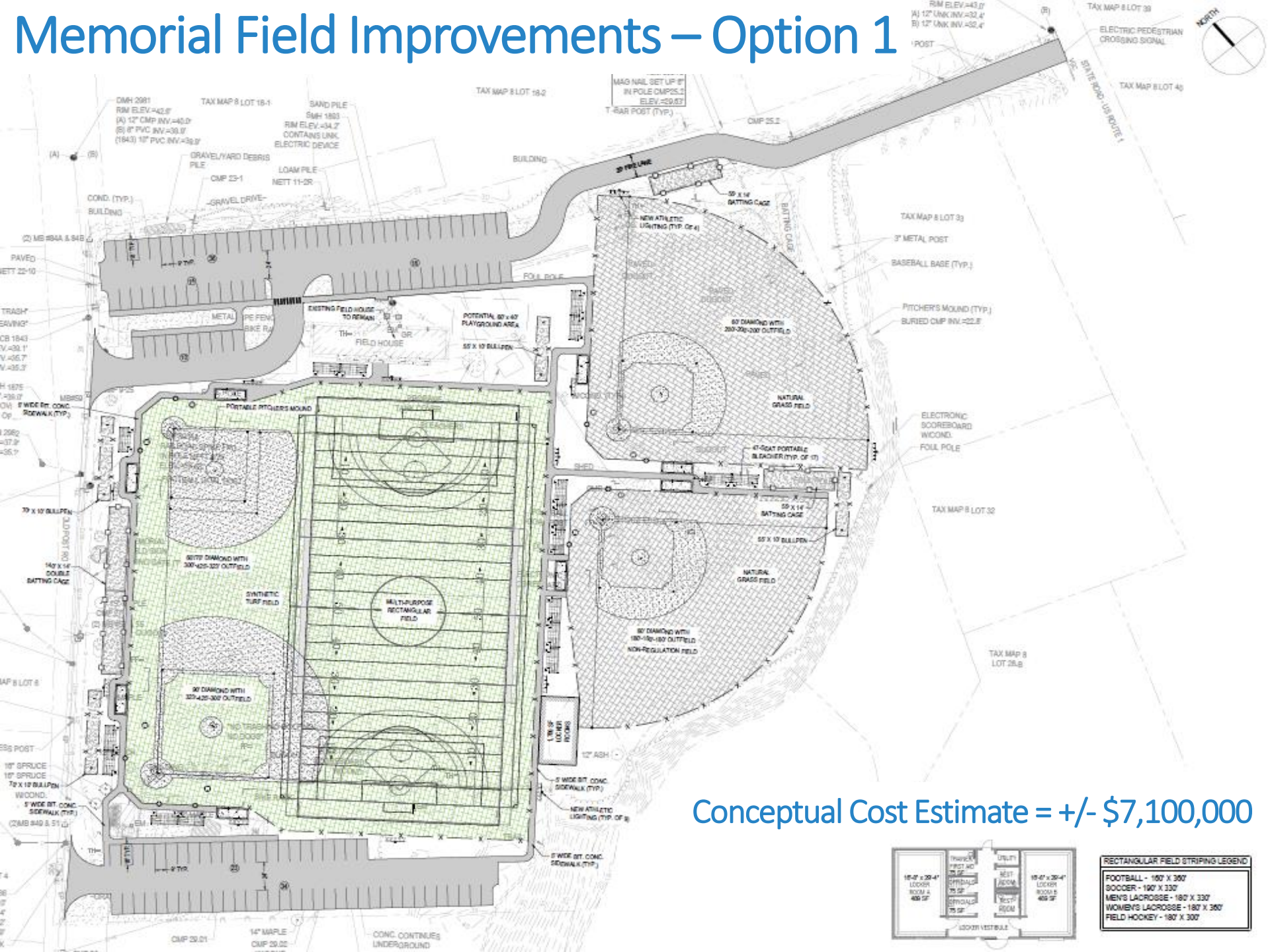
Priority needs stressed by the various stakeholders included the following:

- Athletic lighting and turf.
- Provide additional amenities at Memorial Field (i.e., locker rooms, storage, bullpens/batting cages, playground, concessions)
- Improved and expanded parking at Memorial Field.
- Provide a state-of-the-art athletic facility that provides equal opportunities for all high school and youth sports to use.
- Provide improvements to all fields at Memorial Field, as the current fields are in poor condition.
- Accommodate field–use demand and address deficiencies identified.

Design Constraints

- Maintain existing electrical/utilities building in the southwestern corner of the site.
- No proposed synthetic turf field along Legion Pond due to required environmental buffer zones.
- Inclusion of a Fire Lane that provides access via State Route 1 and Old Post Road.
- Minimize the overlap of field lines between the multi-purpose rectangular field and the 90' diamond baseball field.

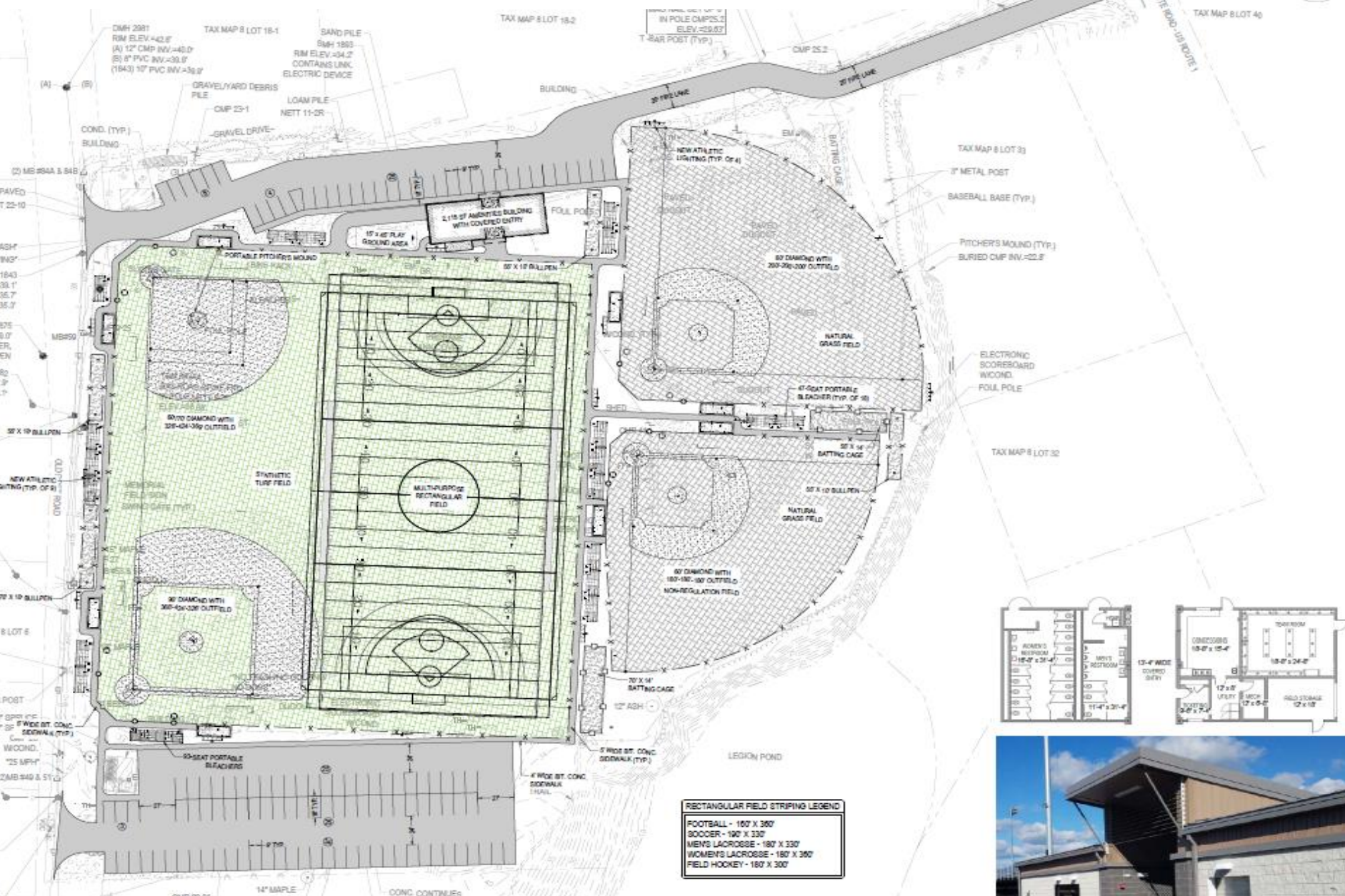
Memorial Field Improvements – Option 1



Conceptual Cost Estimate = +/- \$7,100,000



Memorial Field Improvements – Option 2



Conceptual Cost Estimate = +/- \$8,300,000

Management/Maintenance Research

- Obtained Information from Fields Committee
- Questionnaire issued to both Town and School Maintenance Staff
- Potential Future Maintenance Direction-Recommended Maintenance Tasks, Budget and Draft Inclement Weather Policy

| Field No. | Field Name | No. of field at venue | Org. in charge of maintenance |
|-----------|---------------------------|-----------------------------------|-------------------------------|
| 1 | Memorial Field (Baseball) | Baseball | DPW & TAHS |
| 2 | Memorial Field (MPR) | FB, FH, LAX, S | DPW & TAHS |
| 3 | Tobey Field | 1 Little League Baseball | DPW |
| 4 | DeWolfe Field | 1 Little League Baseball/Softball | DPW |

Estimated Existing Maintenance Costs

| Organization | Avg. Annual Maintenance Expenditure |
|---|-------------------------------------|
| Traip Academy High School | \$ 32,000.00 |
| DPW Crew | \$ 84,000.00 |
| | |
| TOTAL ESTIMATED ANNUAL EXISTING MAINTENANCE COST | \$ 116,000.00 |

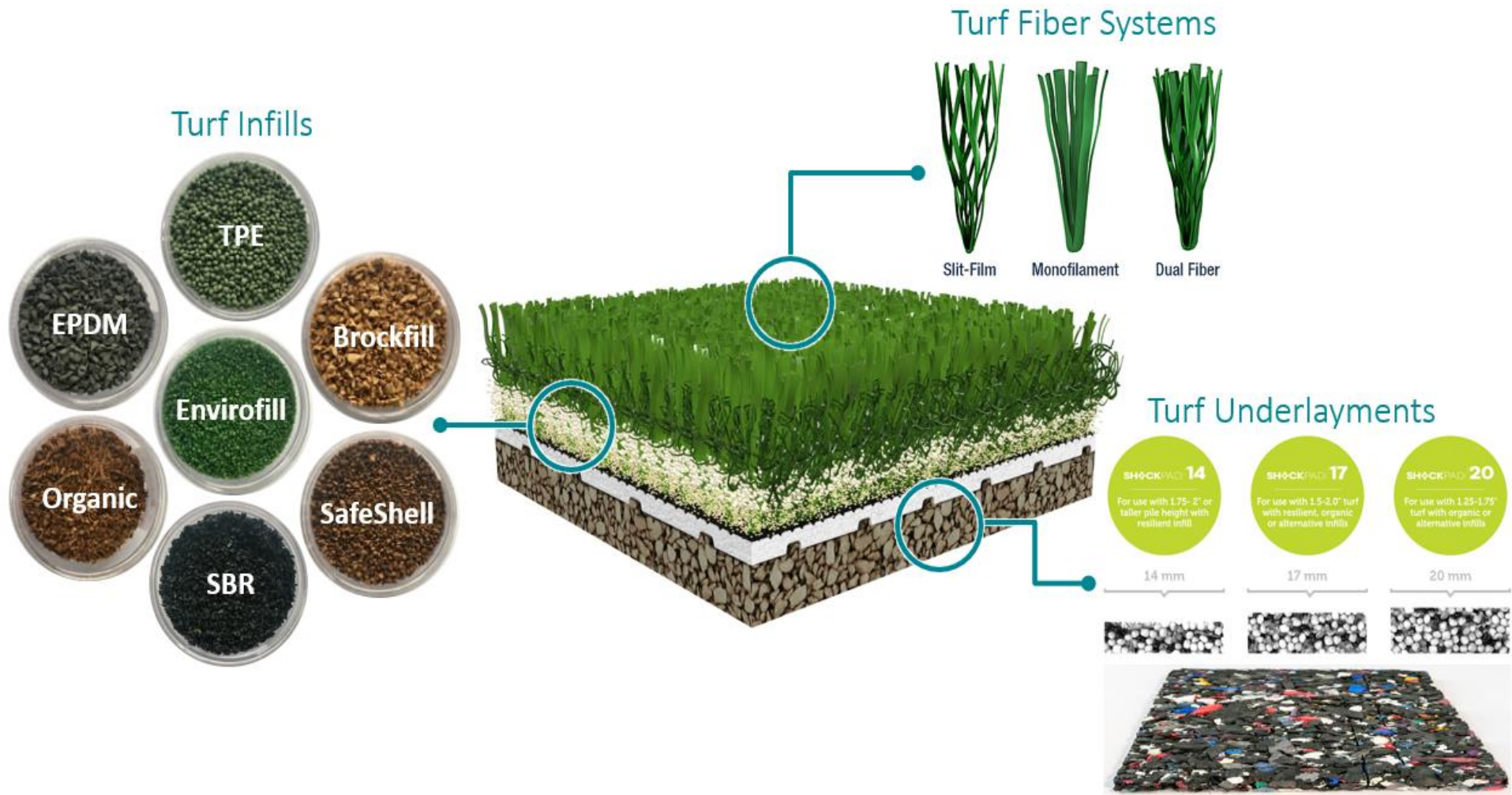
Future Management/Maintenance

| Venue | # of equivalent full size rectangular | # of equivalent full size diamond | # of equivalent full size synthetic | Cost/venue |
|---|---------------------------------------|-----------------------------------|-------------------------------------|---------------------|
| Memorial Field #1 (Baseball) | 0 | 0 | 0.5 | \$ 3,502.80 |
| Memorial Field #2 (MPR) | 0 | 0 | 1 | \$ 7,005.60 |
| Tobey Field | 0 | 1 | 0 | \$ 25,047.60 |
| DeWolfe Field | 0 | 1 | 0 | \$ 25,047.60 |
| | | | Total Estimated Cost | \$ 60,603.60 |
| Note: | | | | |
| 1. Preliminary Annual Maintenance Budget to be determined following final programming of Memorial Field | | | | |

Questions?
Thank you for your time!



Synthetic Turf Systems



Athletic Lighting

