HIGH SCHOOL STADIUM ATHLETIC FIELD PLANNING

June 3, 2024

Board Workshop Meeting

Shawano School District

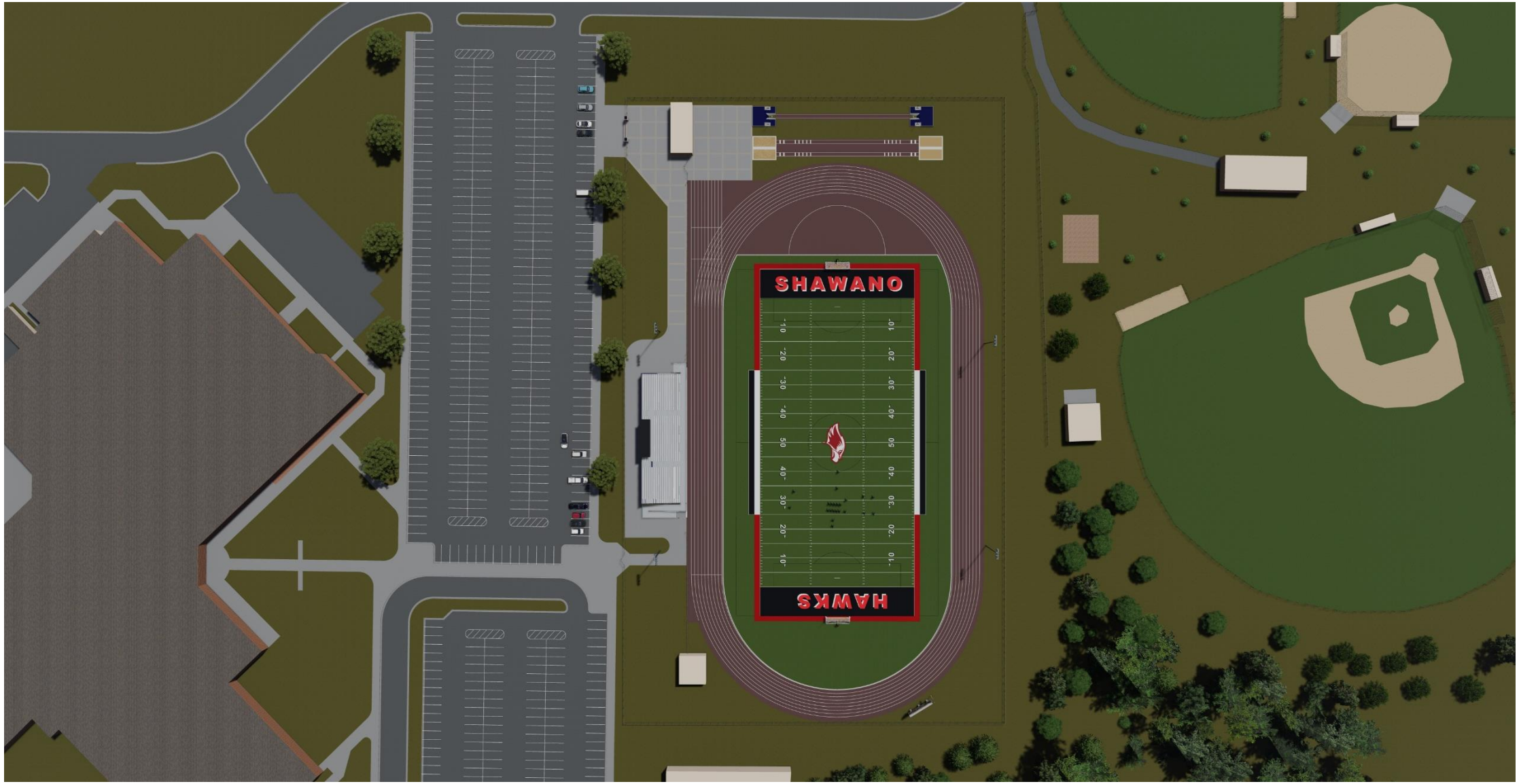
Footprint – Existing Property



Proposed Improvements



Proposed Improvements



Competition Athletic Field - History

Soil Quality

- Uneven surface in some areas
- High traffic area wear and compaction
- Limited field drainage

Latest Repairs

- Annual maintenance (fertilizer, herbicide/pesticide, watering, aeration, mowing, and striping)

Estimated Annual Costs to Maintain

- Annual maintenance at approximately $25K to $35K

Utilization of Space – Current

Current

- **Physical Education**
  - **No PE class utilization**

- **Extracurricular**
  - **Home Football / Soccer games – 42+ hours**

Utilization of Space – Potential

Scheduling Accommodations

- **Physical Education, including adaptive PE**
- **Band practices and community performances**
- **Athletics, School District events including practices**
- **Ability to rest and maintain natural turf practice areas**

Hosting of Events

- **Regional Event Hosting**

Potential Utilization of Turf Field

- **2,000 hours / year (vs. approximately 200 hours on natural turf. 200 hours would require rotational resting and extensive maintenance. 40-50 hours maximum for annual use.).**

Considerations

Safety

- Always the #1 concern

Accessibility Potential

- PE curriculum (including adaptive PE)
- Athletics/extracurricular activities
- Broader community use opportunities

Costs

- Implementation/replacement
- Maintenance

Aesthetics

- Sense of School pride & pleasant environment

Benefits of Synthetic Surface

Safety

- Uniform playing surface

Accessibility

- All Students
  - PE classes, community, and athletics
- Extended seasonality
- Community use

Financial

- Lower annual maintenance and cost per use
- Potential revenue stream (hosting of events etc.)

Aesthetics

- Clean and inspirational look year-round

Potential Options

A. **Continue to Maintain Existing Field as has been done (Status Quo - "SQ")**
   - **Immediate repairs of low areas and turf quality issues.**
   - **Not recommended for long-term solution (3-5 years max)**

A. **Whole Field Replacement (Overhaul – "OH")**
   - **Replacement of entire field with new natural turf sodded surface**
   - **Stripped topsoil, recrowning, and adding new amended topsoil**
   - **Utility work to enhance drainage and underdrainage system**
   - **Irrigation system**

A. **Synthetic Turf Field**
   - **Grass would be removed, and synthetic turf would be installed**

Long-Term Cost Projections

Field Type	Initial Investment	5 year	10 year	15 year	Total Year 15
A) Grass “SQ”	$65,000	$125,000	$125,000	$165,000	$480K
B) Grass “OH”	$490,000	$125,000	$125,000	$460,000	$1.2M
C) Synthetic	$950,000	$25,000	$25,000	$400,000	$1.4M

Review of Potential Options

Summary of Costs / Benefits

A. **Grass – "Status Quo" at Field**
   - **15 year Cost Estimate: $480,000 at High School**
     - **Pros: Lowest cost**
     - **Cons: Does not resolve primary issues with High School field**

B. **Grass – Overhaul of Field to Bring to Competition Standards**
   - **15 year Cost Estimate: $1,200,000 at High School**
     - **Pros: Overhaul approach is likely to reduce recurring High School costs initially (highest cost per use)**
     - **Cons: Does not resolve increased cost of maintenance**
       Does not resolve accessibility/utilization concerns

C. **Installation of Synthetic Turf Field**
   - **15 year Cost Estimate: $1,400,000 at High School (Includes 2nd new turf)**
     - **Benefits: Increased accessibility/utilization & reduced annual costs. Accessible to the entire student body.**
     - **Cons: Highest cost overall (lowest cost per use)**

Cost per Use Projections

Shawano School District
Athletic Field Facilities Evaluation
Synthetic Turf vs. Natural Turf - Cost per Use Hour Estimate
June 3, 2024

RETTLER corporation

Item Description	Capital Cost Year 1	15 year total cost	Annual Cost	Annual Use Hours	Cost per Use Hour
Natural Turf (SQ)	$65,000.00	$480,000.00	$32,000.00	100	$320.00
Natural Turf (OH)	$490,000.00	$1,200,000.00	$80,000.00	100	$800.00
Synthetic Turf	$950,000.00	$1,400,000.00	$93,333.33	1200	$77.78

***15 year projection does not include ANY revenue**

Synthetic Turf; assume average of 5 hours per school day for 180 day school calendar plus 25 hours per week community use / rentals for 12 weeks in summer