

Field Study for Athletic Facilities

Board Meeting Priority Discussion

October 25, 2021

Public meetings to date

- May 11, 2021 - Facilities Committee
- September 21, 2021 - Facilities Committee
- October 12, 2021 - Facilities Committee

Completed work to date

Field Study

- Analyzed TESD on-site and off-site field usage
- Contacted all District 1 schools regarding their facilities and usage
- Presented findings to Facilities Committee (May)
- Committee recommended authorizing architects and engineers to perform site surveys and draft feasible layouts that would address field needs
- Presented findings to Facilities Committee (September). Further discussion recommended and community input

Field Study Goals

- Maximize the number of athletic teams that can use onsite fields
- Reduce the need for busing student athletes to practices and competitions
- Minimize the number of practices later in the day
- Control over maintaining and preparing the playing fields
- Ensure adequate fields to meet needs of increased enrollment
- Reduce competitive disadvantage in turf sports
- Provide a comparable experience to athletes in similar schools
- Increase access to community groups

Field Study Assumptions

- Demand for our playing fields will continue to increase due to rising enrollment, participation and all year usage
- Lights will not be added to existing or new fields reducing the amount of available playing time
- Elimination of busing saves student/coach time and reduces transportation costs
- The use of T/E Middle School athletic fields will be for Middle School use
- Where busing is required, team buses will be the preferred method of transport
- Teams will continue to utilize Township fields as allocated by the Township
- The District will continue to use two athletic trainers

Increased Sports Field Demand

- Our enrollment is likely to gradually increase the participation in athletics
- To meet demand, we have added JVB programs which use community fields
- Other solutions to increased enrollment include developmental sports programs and intramurals
- Our current grass fields are multi-purpose and are used in the fall and spring
- One full-sized multi-purpose field has been lost due to CHS expansion project
- As demand and field usage increases, field conditions will deteriorate over time
- Turf wear and deterioration will be accelerated due to increased usage (common among “high use” facilities)
- One extra field will extend the life of all fields including turf
- ESC field could come offline if used as future school site

Teams that require travel to fields for practices and home games

- CHS Varsity Softball (D'Ambrosia)
- CHS JV Softball (D'Ambrosia)
- CHS JV Baseball (D'Ambrosia)
- CHS 9th Grade Baseball (Wilson Farm Park)
- CHS 9th Grade Boys Soccer (Wilson Farm Park)
- CHS 9th Grade Girls Soccer (Wilson Farm Park)
- CHS 9th Grade Girls Lacrosse (Wilson Farm Park)
- CHS 9th Grade Boys Lacrosse (Wilson Farm Park)
- TEMS 7th Grade Boys Soccer (VFMS)
- TEMS 7th Grade Girls Soccer (VFMS)
- TEMS 8th Grade Girls Soccer (ESC)
- TEMS 8th Grade Boys Soccer (ESC)
- TEMS/VFMS Unlimited Football (VFMS)
- TEMS 7th Grade Boys Lacrosse (VFMS)
- TEMS 7th Grade Girls Lacrosse (VFMS)
- TEMS 8th Grade Girls Lacrosse (VFMS)
- TEMS 8th Grade Boys Lacrosse (VFMS)
- TEMS/VFMS Combined Softball (ESC)
- TEMS 7th Baseball (ESC)

Number of Students that are
required to travel to participate
in these Athletic Programs: 377

Transportation Costs to Other Fields

<u>NUMBER OF TRIPS/YEAR</u>	<u>COST</u>
321	\$26,881
<u>FIELD RENTAL COST/YEAR</u>	\$9,600
	<u>TOTAL</u>
	\$36,481

TEMS/Conestoga Challenges

- Traffic around TEMS at the end of the day (in addition to wait time for buses) results in TEMS teams practicing approximately **40 minutes less PER DAY than VFMS teams**
 - VFMS practice - 3:22 PM to 5:00 PM,
 - TEMS practice - 3:47 PM to 4:45 PM
 - Impact is a total of 20 hours less practice time per season for TEMS student athletes
- Conestoga also has delays reducing practice time due to changing and boarding buses
- Traffic congestion at Conestoga during dismissal creates gridlock at the same time athletic team buses are departing

Overlap and Sharing of Fields

Fall

- Teamer Field -
 - Varsity Boys/Girls Soccer
 - Varsity/JV Field Hockey
 - 9th grade Football Games - 7 teams
- CHS Grass Football Field -
 - All Football programs
- CHS Track Field -
 - JV Boys and Girls Soccer

Spring

- Teamer Field -
 - Varsity Boys and Girls Lacrosse
 - Rugby-when available
 - Off season Field Hockey
- TEMS -
 - JV boys and Girls Lacrosse

Impact of Shared Fields

- More evening practices
- Fewer full field practices
- More wear and tear on all fields
- Practices on fields not designed for the particular sport
- Scheduling difficulties
- Reduces opportunities for community use
- Impacts marching band

Competitive Disadvantage

- Several athletic programs are practicing on a different surface than their competitions
- Practices also occur on fields that are not regulation size
- The sharing of fields inhibits full field practices
- The loss of practice time resulting from practicing off site
- We are trailing behind other districts when it comes to field accessibility

Field Study Survey

42 PA High Schools were surveyed on the following:

- High School Enrollment
- Practice/competing off-site
- Number of Turf Fields
- Use by Community Groups
- Facility Rental Charges for Field Use

Results of Field Study Survey

- High School enrollment range: 28 to 3900 students
- Practice or compete off-site: 36 Yes, 6 No
- # of Turf Fields
 - 13 SD's –1 Field
 - 11 SD's – More than 1 Field
- Access to Community Groups: 39 Yes, 3 No
- Charge outside groups for field rentals: 38 Yes, 2 No,
2 DNR

Athletic Program Growth (High Schools) How do we compare to similar districts:

School Name	Enrollment	Turf Fields
Great Valley	1300	2
Radnor	1200	2
Phoenixville	1120	3
Garnet Valley	1600	3
Unionville	1400	3
Kennett	741	4
Springfield	1209	3
Marple Newtown	1065	Plan to expand

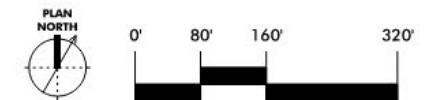
Central League Schools that Have One Turf Field

- Penncrest
- Harriton
- Haverford
- Lower Merion
- Ridley
- Strath Haven (it is a district long term goal to convert to turf)
- Upper Darby (will be adding middle and high school turf fields)



EXISTING SITE TOPOGRAPHY

CONCEPTUAL



TESD CONESTOGA HIGH SCHOOL | "NURSERY" FIELDS
OCTOBER 20, 2021



Site Potential to Address Identified Needs

- (2) TURF FIELDS (1 FIELD TO HAVE BLEACHER SEATING ON 1 SIDE)
- (1) SOFTBALL FIELD
- (1) FIELD HOUSE
- (1) PRACTICE FIELD (GRASS)
- (1) MAINTENANCE FACILITY



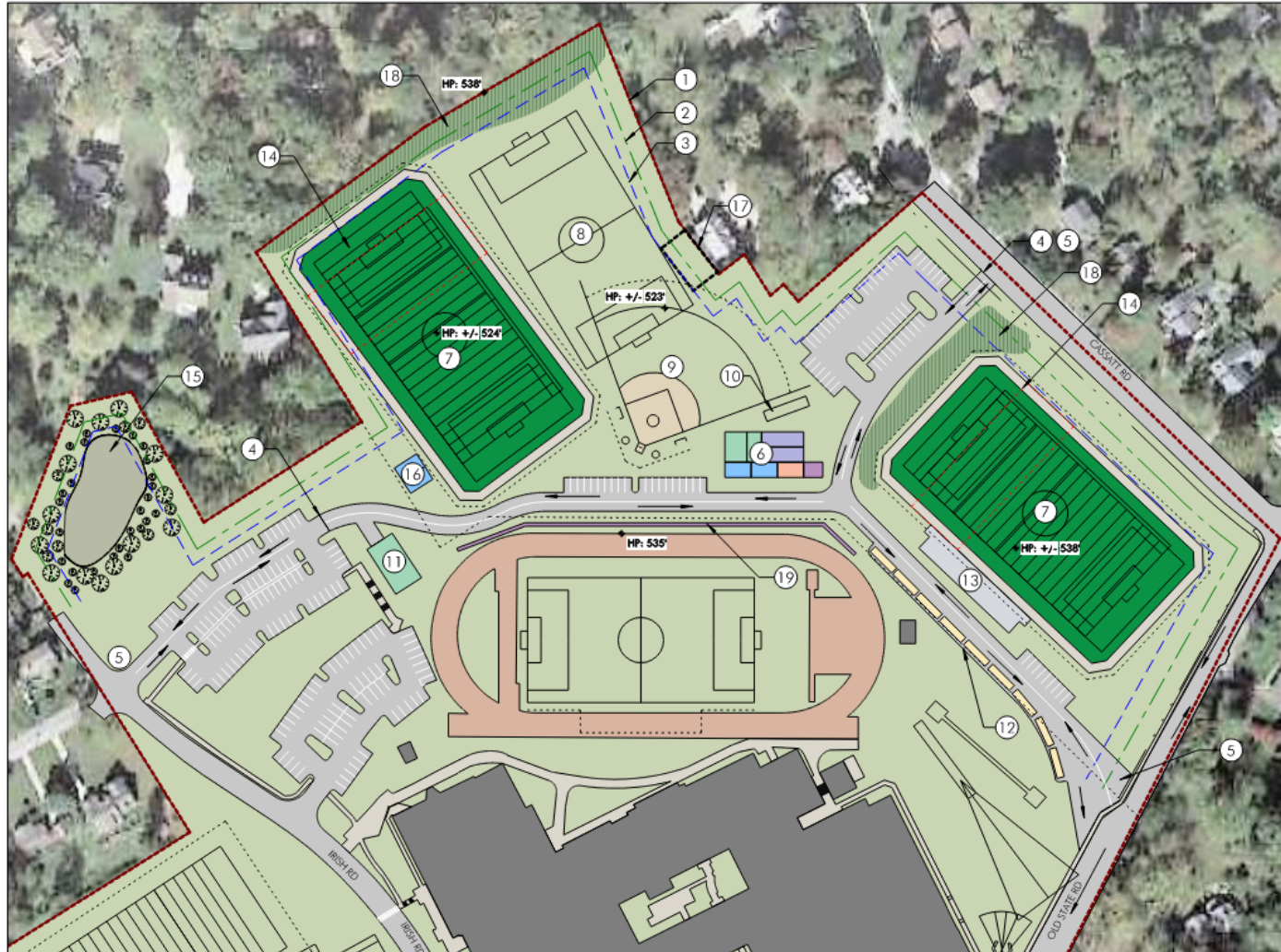
LEGEND

- | | |
|---------------------------------|---------------------------|
| ① PROPERTY LINE | ⑬ RESTROOMS |
| ② 25' VEGETATION BUFFER | ⑭ DEMO EXISTING BARN |
| ③ BUILDING SETBACK LINE | ⑮ 3:1 SLOPE |
| ④ ACCESS GATE | ⑯ +/- 6 FT RETAINING WALL |
| ⑤ RIGHT TURN IN / OUT | |
| ⑥ FIELD HOUSE | |
| ⑦ TURF FIELD | |
| ⑧ PRACTICE FIELD (SOCCER) | |
| ⑨ SOFTBALL DIAMOND | |
| ⑩ BATTING CAGE | |
| ⑪ STORAGE / MAINTENANCE | |
| ⑫ BUS QUEUE | |
| ⑬ SPECTATOR SEATING | |
| ⑭ SUBSURFACE STORWATER MGMT | |
| ⑮ SURFACE BASIN WITH VEGETATION | |

OPEN DESIGN ISSUES

- SCOREBOARDS
- FINAL TURF FIELD SIZE





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OPEN DESIGN ISSUES

- SCOREBOARDS
- FINAL TURF FIELD SIZE



New Parking: +/- 80



Advantages of adding two rectangular turf fields and one softball diamond

- Less travel for TEMS teams
- Less wear and tear on all fields
- Fewer night games and practices
- Less need to cancel games
- Pre-game practices on regulation turf fields
- More offsite TEMS games and practices at ESC instead of VFMS
- Would allow us to host TEMS/VFMS events
- Add in softball on campus

Teams that would still require travel to fields for practices and home games after addition of proposed fields

- CHS JV Softball (D'Ambrosia)
- CHS JV Baseball (D'Ambrosia)
- CHS 9th Grade Baseball (Wilson Farm Park)
- TEMS/VFMS Unlimited Football (VFMS)
- TEMS/VFMS Combined Softball (ESC)
- TEMS 7th Baseball (ESC)

These teams will share fields:

- TEMS 7th Grade Boys Soccer
- TEMS 7th Grade Girls Soccer
- TEMS 8th Grade Girls Soccer
- TEMS 8th Grade Boys Soccer
- TEMS 7th Grade Boys Lacrosse
- TEMS 7th Grade Girls Lacrosse
- TEMS 8th Grade Girls Lacrosse
- TEMS 8th Grade Boys Lacrosse

Number of Students that
would need to travel to
participate in these Athletic
Programs after the addition
of new proposed fields:
138

This is a reduction of 63%

Summary

The acquisition of the nursery property is a rare opportunity to

- Add to our field inventory
- Maximize the teams that can play and practice onsite
- Reduce the need and cost for busing
- Opportunity to improve traffic congestion on roads surrounding CHS and TEMS
- Minimize the number of evening events
- Increase access to community groups
- Additional revenue source from outside use

This could be achieved all within the contiguous property footprint of CHS

Next Steps

1. Selection of site plan option
2. Development and presentation of rough order of magnitude costs for the project
3. Schematic design
 - inclusive of site utility investigation & civil engineering
 - inclusive of concept site grading and retaining walls
4. Township coordination
5. PennDOT Scoping Process



Participation and
Communication
with Public