



*The School District of Haverford Township*

# Haverford High School Construction Documents Update

3 September 2020

# HAVERFORD HIGH SCHOOL



## STEPS TAKEN – Construction Documents

- Project Phasing
- Final Meetings with High School Teachers
- Masonry Consultant Coordination
- Finishes Selection
- Construction Drawing Set nearing Completion
- 3<sup>rd</sup> Party/Independent Cost Estimate



An aerial photograph of a suburban area featuring a large green sports field with a red running track and a baseball field. To the right is a large brick school building. The area is surrounded by residential streets and houses. The text "PROJECT REVIEW" is overlaid in large, bold, grey letters.

# PROJECT REVIEW

Haverford High School

Haverford Middle School

Darby Rd

Golf Rd

Beverly Rd

Leedom Ave

Mill Rd

Allston Rd

Strathmore Rd

Allston Rd

Strathmore Rd

Pembroke Rd

Mill Rd

Mill Rd

Mill Rd

Hampden Rd

Coburn Ln

Mill Rd

Winton Ave

Union Ave

E Marthart Ave

E Marthart Ave

E Marthart Ave

E Marthart Ave

E Turnbull Ave

Leedom Ave

Faust Orthodontics









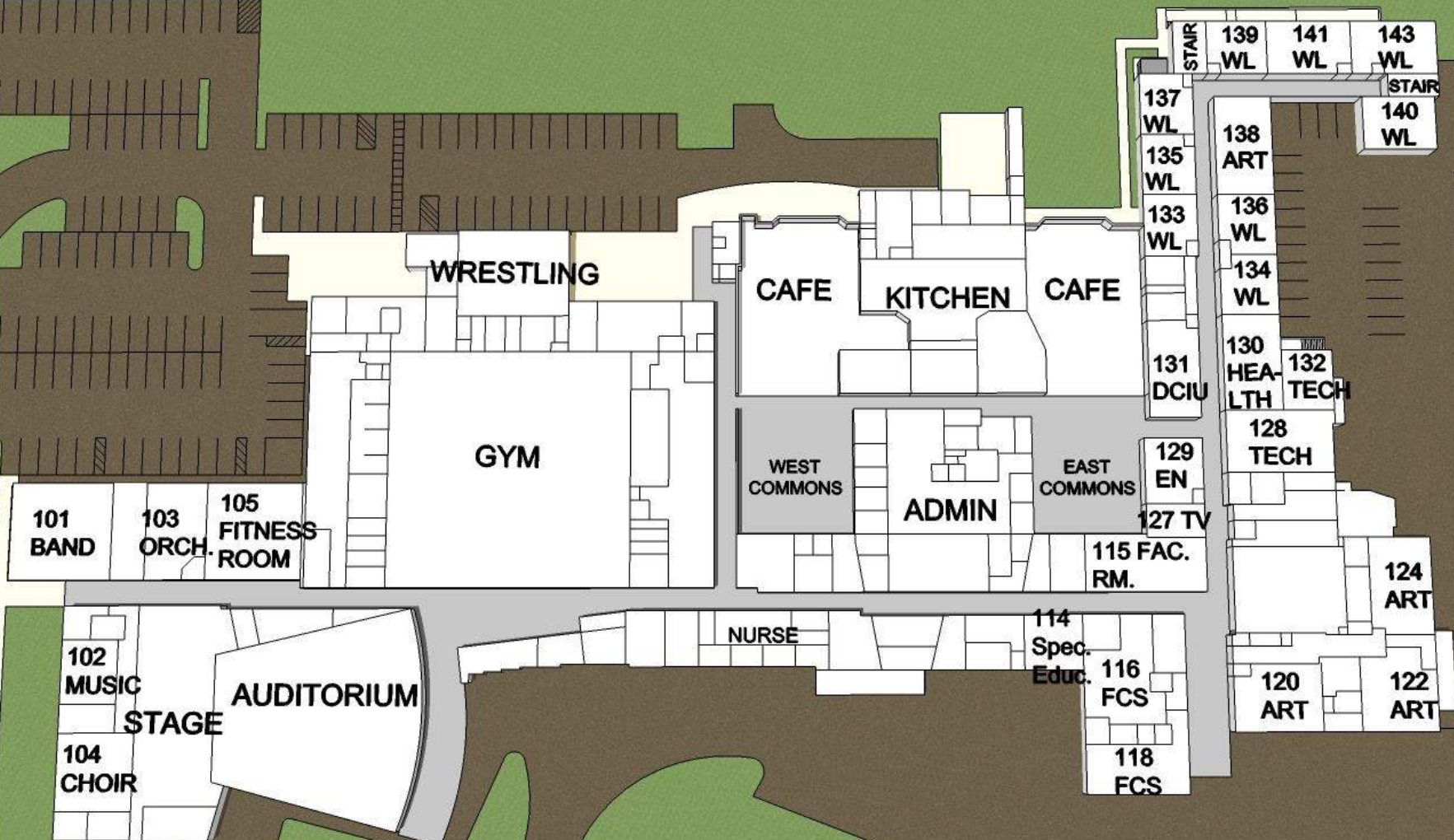
**Project 1**  
3-Story  
Classroom  
Addition

**Project 1**  
Expanded  
Parking

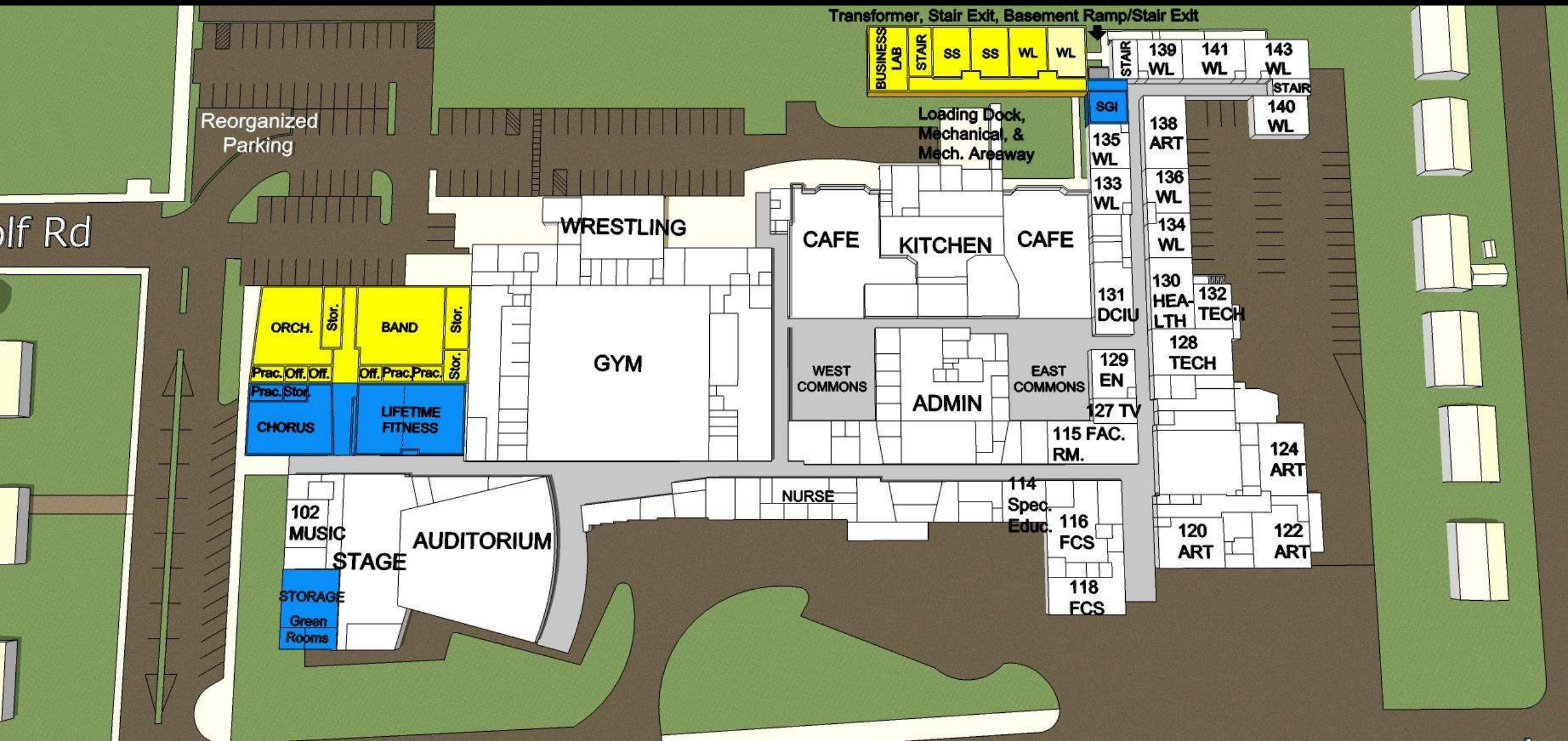
**Project 2**  
1-Story  
Classroom  
Addition



olf Rd





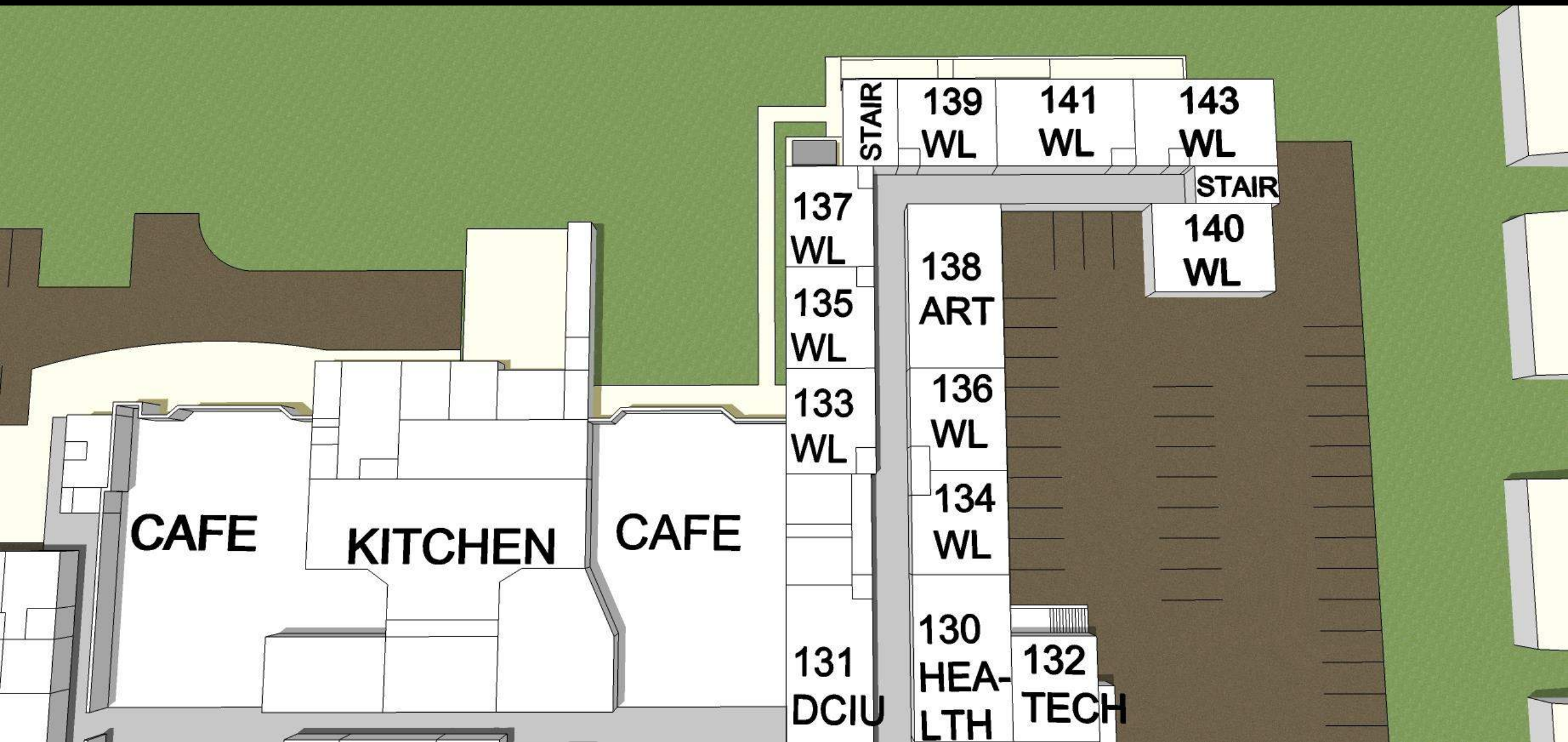




An aerial photograph of a suburban area. In the center-left, a large green field with a red running track is circled in red. To its right is a large green field with a baseball diamond. Further right is a large red-roofed building, identified as Haverford Middle School. The surrounding area is filled with residential houses and streets. Street names visible include E Tumbull Ave, E Marthart Ave, Leedom Ave, Golf Rd, Beverly Rd, Mill Rd, Strathmore Rd, and Alston Rd. The text "Haverford Middle School" is visible on the map.

# 3-Story Classroom Wing Project 1







Transformer, Stair Exit, Basement Ramp/Stair Exit







**3-STORY CLASSROOM WING - EXTERIOR PERSPECTIVE**  
**HAVERFORD HIGH SCHOOL**



[Haverford HS - Project 1 – Three Story Classroom Wing Addition](#)



A long, brightly lit interior corridor of a modern school. The ceiling is a white grid with recessed linear lighting. The floor is a light-colored material with a series of dark rectangular tiles running down the center. The walls are white. On the left, there is a large window with a dark frame. On the right, there are two large, dark red rectangular panels mounted on the wall. The corridor leads to a bright area at the far end.

**CORRIDOR - INTERIOR PERSPECTIVE**  
**HAVERFORD HIGH SCHOOL**





**GENERAL CLASSROOM - INTERIOR PERSPECTIVE**  
**HAVERFORD HIGH SCHOOL**





**LEARNING LAB - INTERIOR PERSPECTIVE**  
**HAVERFORD HIGH SCHOOL**





**BIOLOGY CLASSROOM - INTERIOR PERSPECTIVE**  
**HAVERFORD HIGH SCHOOL**





**PHYSICS CLASSROOM - INTERIOR PERSPECTIVE**  
**HAVERFORD HIGH SCHOOL**





# HAVERFORD HIGH SCHOOL

## 3-Story Classroom Addition

Build 11 Classrooms

(7 Lab Classrooms & 4 General Classrooms)

## Renovation to link Addition

Convert 3 Existing Classrooms into Small Group Instruction rooms (SGI) to allow for a corridor to link to the new addition

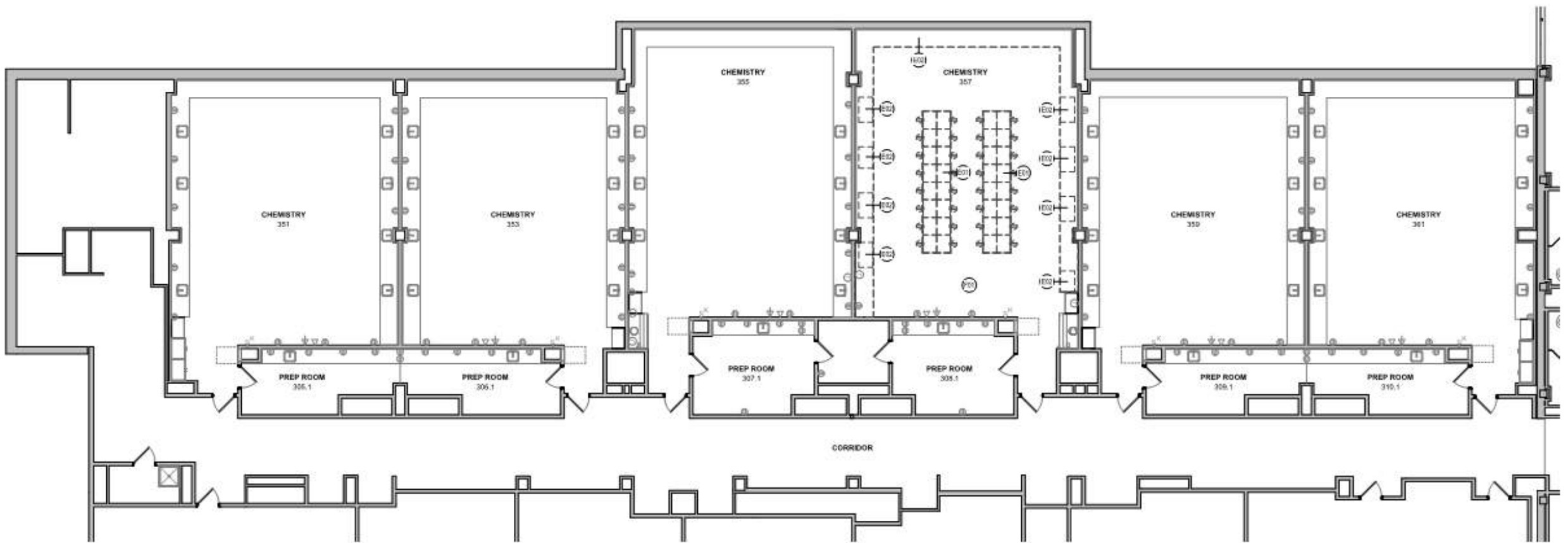
**Total Gain of 7 Lab Classrooms,  
1 General Classroom, and 3 SGI's**



An aerial photograph of a suburban area featuring a large green sports field with a red running track and a baseball field. To the right is a large school building with a red roof. The area is surrounded by residential streets and houses. A semi-transparent grey box covers the center of the image, containing the title text.

# Science Lab Renovations Project 1







# HAVERFORD HIGH SCHOOL

## SCIENCE LAB RENOVATION

### CONVERSION OF CHEMISTRY CLASSROOMS INTO CHEMISTRY LABS

- Extend gas lines around perimeter of classrooms
- Add fume hoods into classrooms that do not currently have them equipped
- Add sinks to perimeter casework in one Chemistry classroom
- Replace sinks and countertops in all Chemistry classrooms

### RENOVATION OF BIOLOGY LABS

- Add sinks to perimeter casework in two Biology classrooms
- Replace sinks in all Biology classrooms
- (There is also an alternate to replace countertops in all Biology Labs)

**Total Gain of 5 Chemistry Labs & 2 Biology Labs that frees general classroom space.**

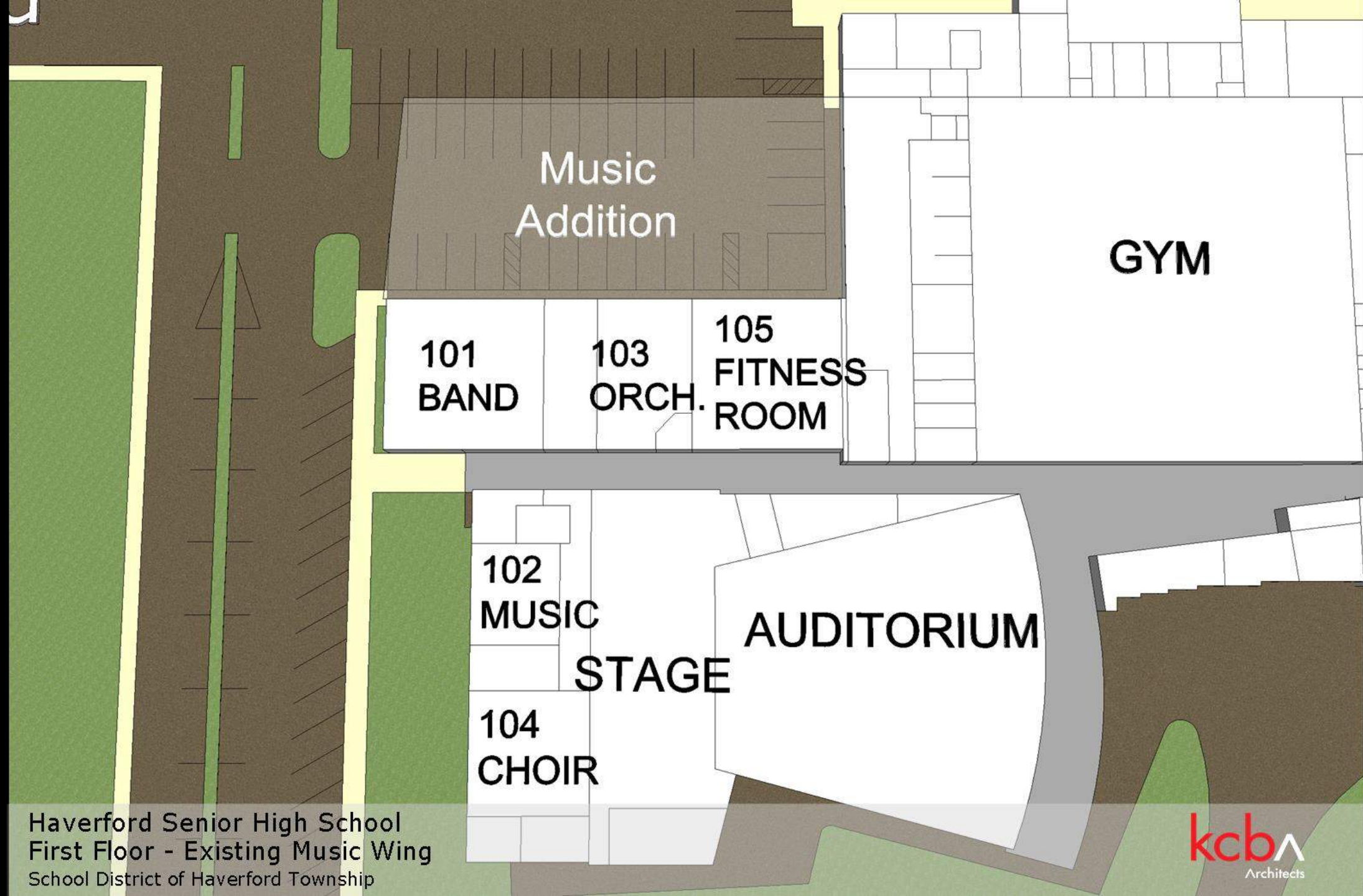
**Cost: \$517,000**



An aerial photograph of a suburban area featuring a large green sports field with a red running track and a baseball field. To the left is a school building labeled 'Haverford Middle School'. The area is surrounded by residential streets and houses. A semi-transparent grey box covers the center of the image, containing the project title in large, bold, dark grey text.

# 1-Story Classroom Wing Project 2





Music  
Addition

GYM

101  
BAND

103  
ORCH.

105  
FITNESS  
ROOM

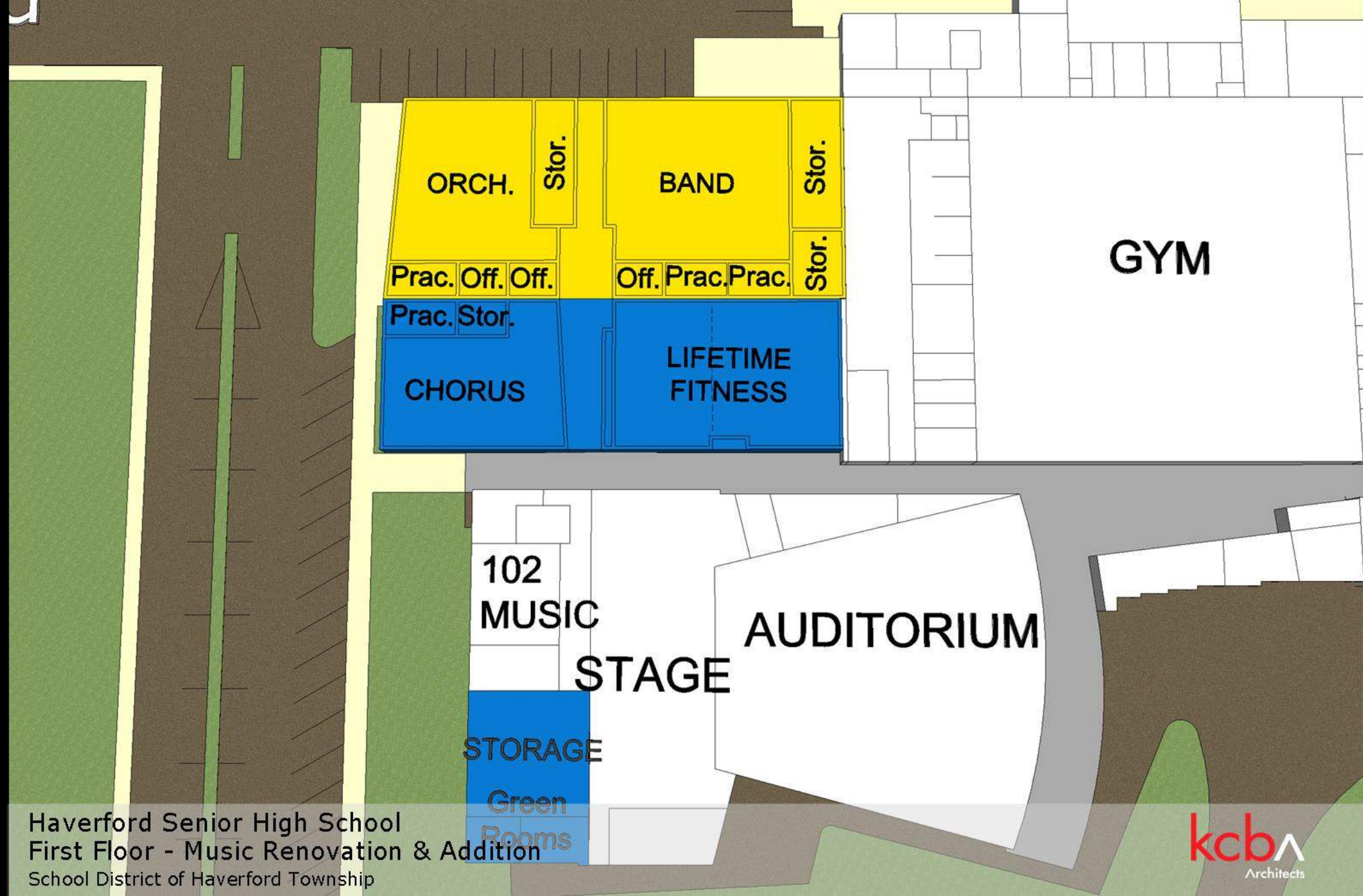
102  
MUSIC

STAGE

AUDITORIUM

104  
CHOIR









**1-STORY CLASSROOM WING - EXTERIOR PERSPECTIVE**  
**HAVERFORD HIGH SCHOOL**



[Haverford HS - Project 2 – One Story Classroom Wing Addition](#)





**FITNESS CLASSROOM 1 - INTERIOR PERSPECTIVE**  
**HAVERFORD HIGH SCHOOL**





**FITNESS CLASSROOM 2 - INTERIOR PERSPECTIVE**  
**HAVERFORD HIGH SCHOOL**





**CHORUS CLASSROOM - INTERIOR PERSPECTIVE**  
**HAVERFORD HIGH SCHOOL**





**ORCHESTRA CLASSROOM - INTERIOR PERSPECTIVE**  
**HAVERFORD HIGH SCHOOL**





**BAND CLASSROOM - INTERIOR PERSPECTIVE**  
**HAVERFORD HIGH SCHOOL**



# HAVERFORD HIGH SCHOOL

## 1-Story Classroom Addition

Build 2 Classrooms (Band and Orchestra)

## Renovation of Music and Fitness Classrooms

Renovate 2 Classrooms (Chorus and Fitness)

- Convert existing Band Classroom into Chorus Classroom
- Expand existing Fitness Classroom into Orchestra Classroom
- Existing Chorus Classroom used for stage support





An aerial photograph of a suburban area in Haverford, Pennsylvania. The image shows a large green field with a red running track and a baseball field. To the right is Haverford High School, and to the left is Haverford Middle School. The area is surrounded by residential streets and houses. The word "SITE" is overlaid in large, bold, black letters in the center of the image.

# SITE

Haverford High School

Haverford Middle School

Darby Rd

E Turnbull Ave

E Marthart Ave

E Marthart Ave

E Marthart Ave

Leedom Ave

Golf Rd

Beverly Rd

Leedom Ave

Mill Rd

Mill Rd

Mill Rd

Allston Rd

Mill Rd

Strathmore Rd

Strathmore Rd

Pembroke Rd

Mill Rd

Coburn Ln

Hampden Rd

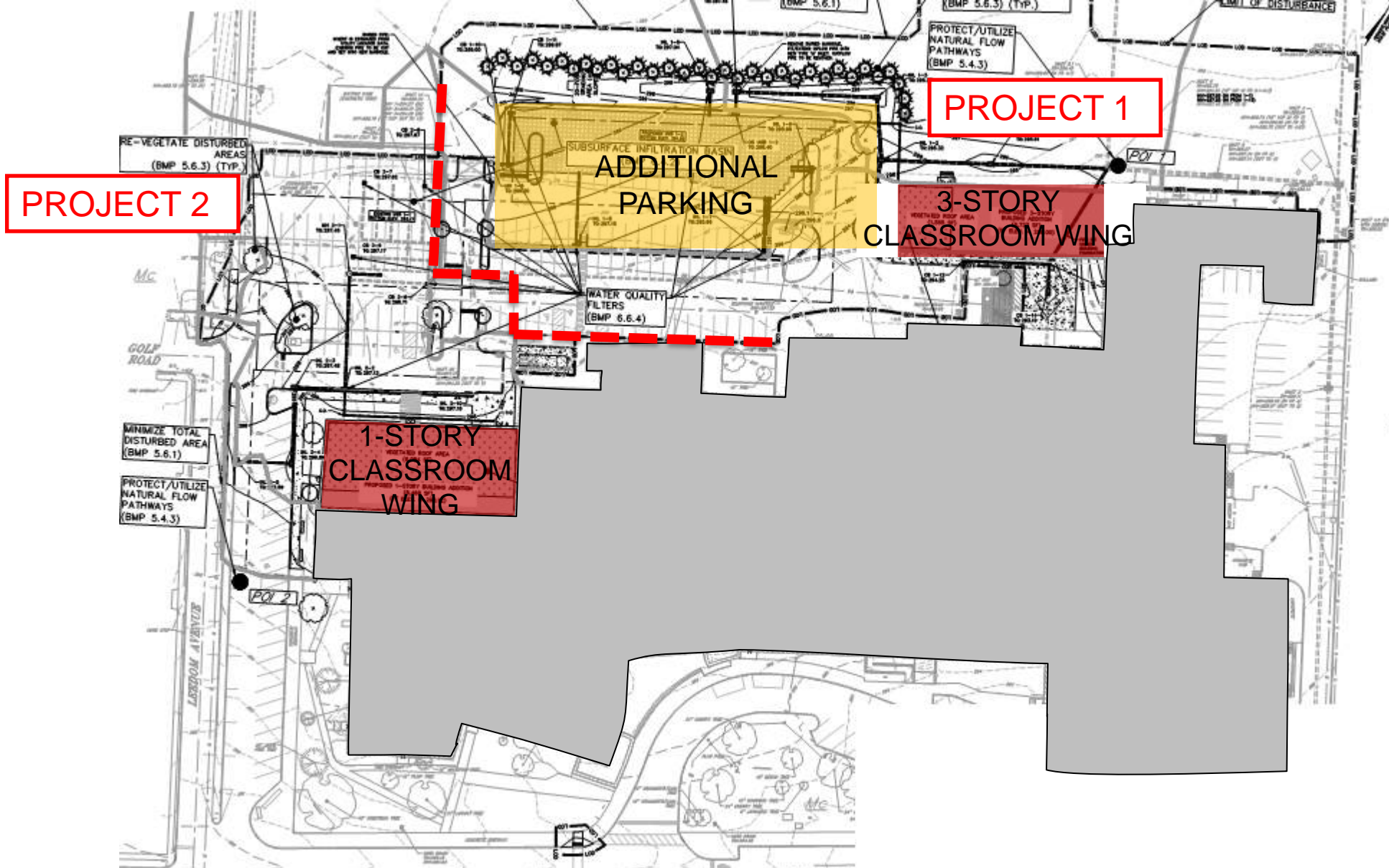
Mill Rd

Winton Ave

Union Ave

Faust Orthodontics





# ADDITIONAL PARKING AND PARKING RECONFIGURATION HAVERFORD HIGH SCHOOL



# COST ESTIMATE





# HAVERFORD HIGH SCHOOL

## TOTAL PROJECT COST ESTIMATE

	Schematic Design	Design Development	Construction Documents
Project I: 3-Story Classroom Wing	\$ 7,713,370	\$ 7,309,321	\$ 7,696,270
Project I: Site Work	\$ 672,552	\$ 712,000	\$ 771,250
Project 1 Sub-Total	\$ 8,385,922	\$ 8,021,321	\$ 8,467,520
<b>Project I with Soft Costs</b>	<b>\$10,063,107</b>	<b>\$ 9,625,585</b>	<b>\$ 10,161,024</b>

Project II: 1-Story Classroom Wing	\$ 5,441,308	\$ 6,297,568	Project II Construction Documents Cost Estimate to be completed in Early 2021.
<b>Project II with Soft Costs</b>	<b>\$ 6,529,569</b>	<b>\$ 7,557,081</b>	

**Total Estimated Project Cost:**      **\$16,592,676**      **\$17,182,666**



# HAVERFORD HIGH SCHOOL

## HVAC Infrastructure      **Cost: \$1,074,300\***

- HVAC infrastructure is replacing the existing chillers.
- Bid as Alternate with Project I – Fall 2020.

## Gymnasium HVAC      **Cost: \$1,536,079\***

- Gymnasium HVAC includes the Locker Rooms and Main Gymnasium.
- The chiller included in the Project II: 1-Story Classroom Wing is sized to handle the Gymnasium HVAC.
- Bid as Alternate with Project II

\*Costs include 20% for soft costs/contingency.



# HAVERFORD HIGH SCHOOL

## TOTAL PROJECT COST ESTIMATE

	Schematic Design	Design Development	Construction Documents
<b>Project I with Soft Costs</b>	\$10,063,107	\$ 9,625,585	<b>\$10,161,024</b>
<b>Project II with Soft Costs</b>	\$ 6,529,569	\$ 7,557,081	\$ 7,557,081*
<b>Total Estimated Project Cost</b>	<b>\$16,592,676</b>	<b>\$17,182,666</b>	<b>\$17,718,105</b>
<hr/>			
HVAC Infrastructure		\$ 1,475,277	\$ 1,074,300
Gymnasium HVAC		\$ 1,536,079	\$ 1,536,079
<b>Total Estimated Project Cost</b>		<b>\$20,194,022</b>	<b>\$20,328,484</b>

\*Project II Construction Documents Cost Estimate to be completed in Early 2021.





# HAVERFORD HIGH SCHOOL

- **Sept. 3, 2020** School Board to Approve Advertisement and Bidding of Project 1
- **Sept. 18, 2020** Project 1 Bid Documents Released
- **Oct. 22, 2020** Project 1 Bids Received
- **Nov. 5, 2020** School Board to Accept Bids and Award Construction Contracts for Project 1
- **Jan. 2021** Project 1 Construction Begins
- **Sept. 2021** Project 1 Occupancy for School Year
- Project 2 - Schedule to be Determined



# DISCUSSION

