

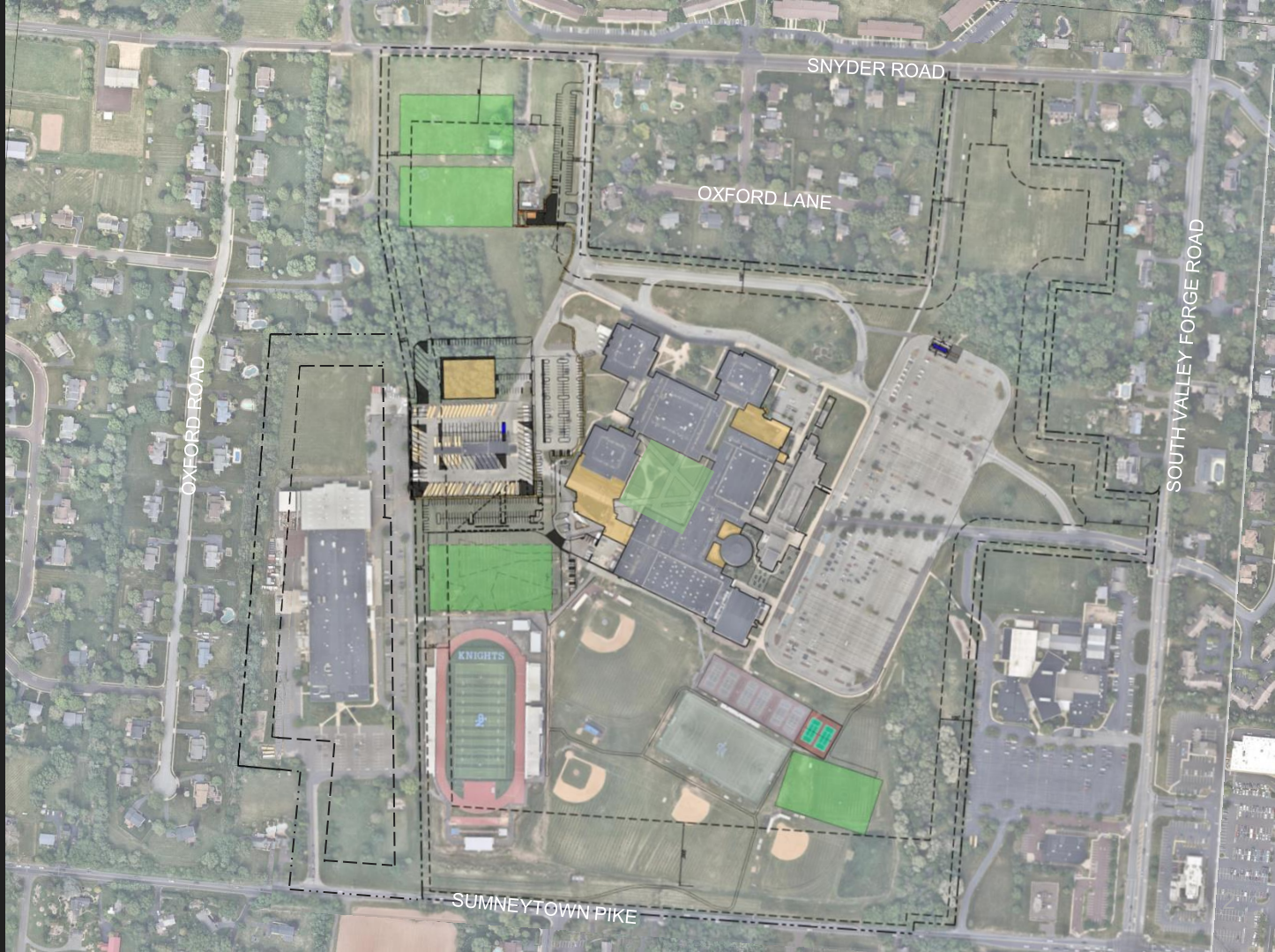
North Penn High School Renovation Update



North Penn School Board Work Session
September 1, 2026

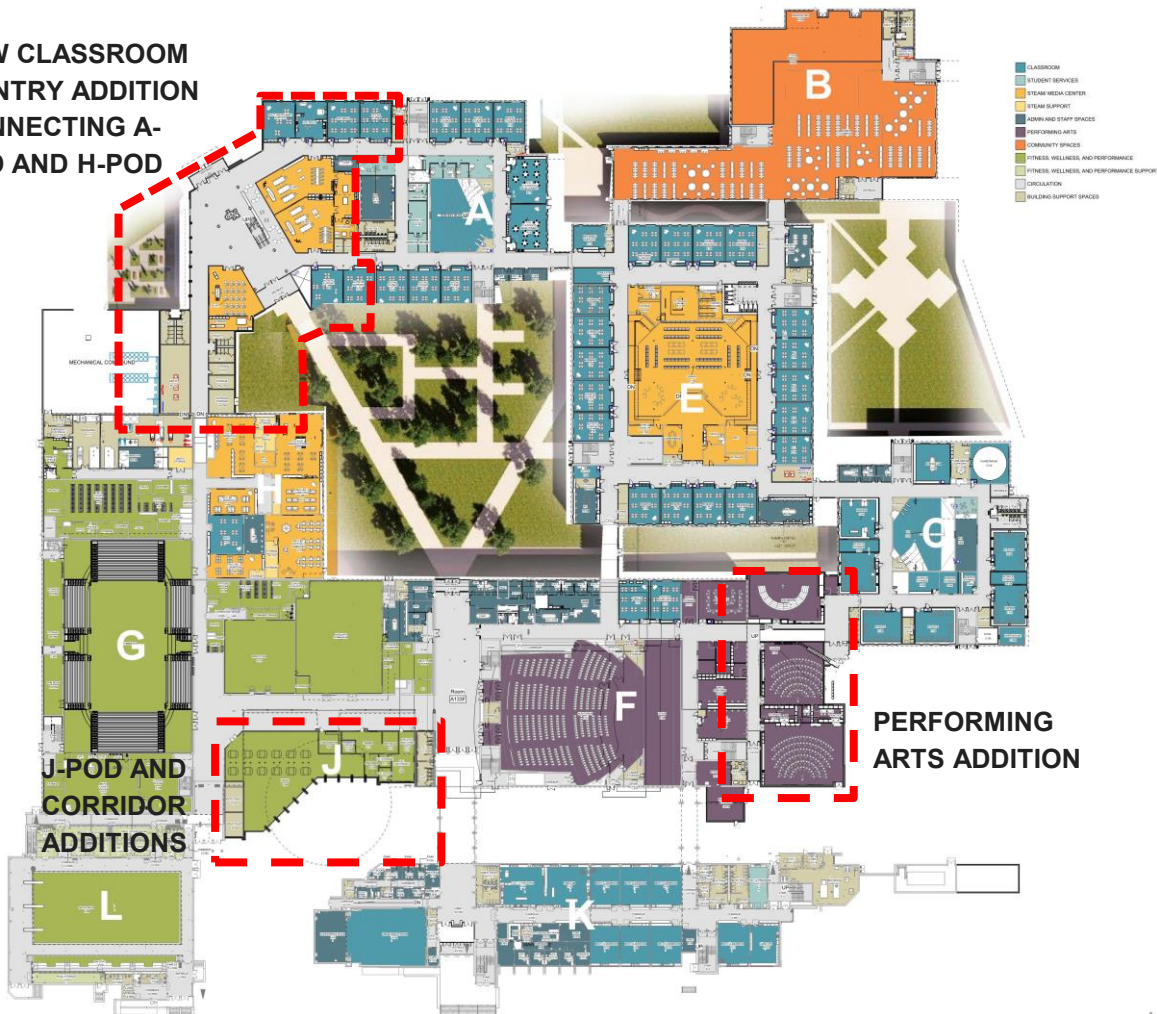
OVERALL PROJECT SITE PLAN

- On-site Transportation Center replacement
- Additional multi-purpose fields on WNPV site
- Additional Tennis Courts
- Re-oriented marching band field
- Additional parking
- New classroom & entrance addition connecting A-Pod to H-Pod



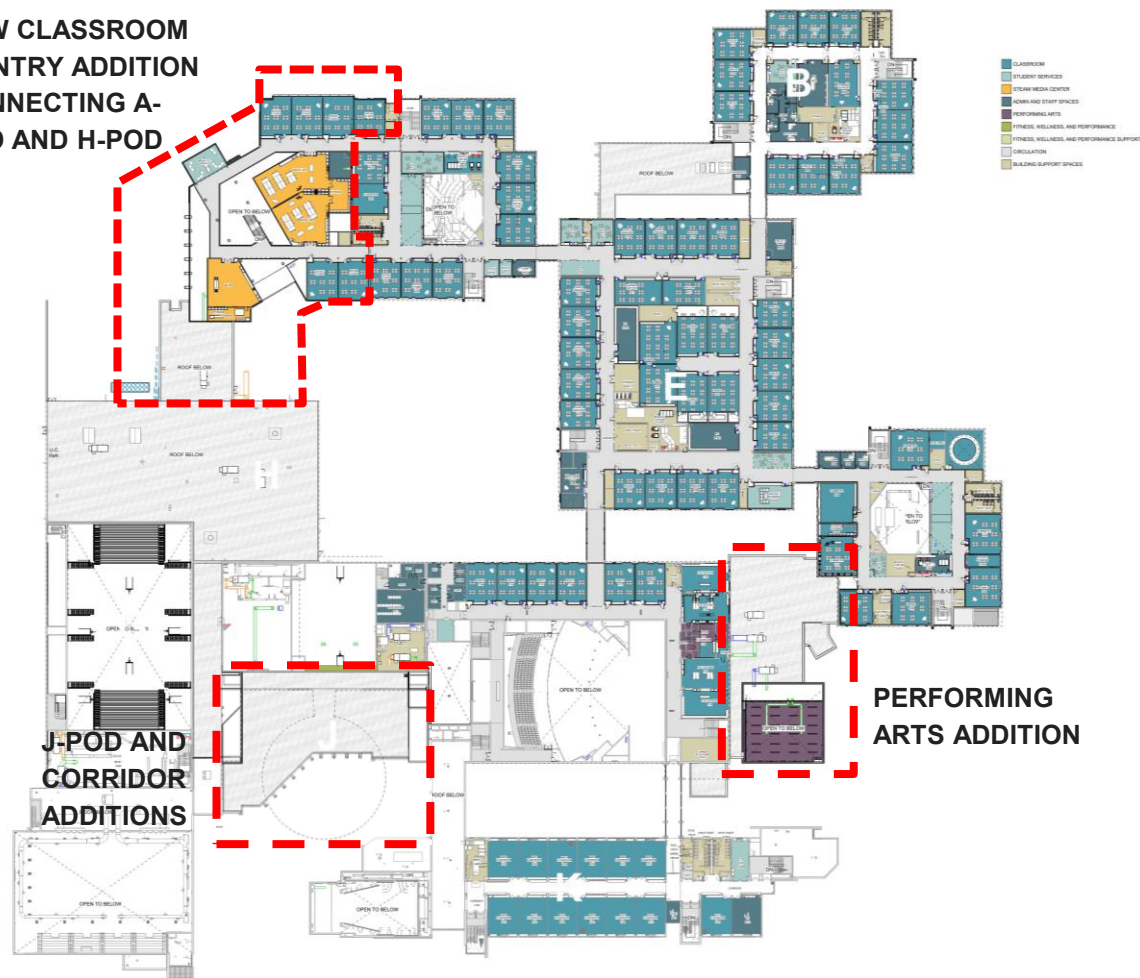
OVERALL PROJECT FIRST FLOOR PLAN

**NEW CLASSROOM
& ENTRY ADDITION
CONNECTING A-
POD AND H-POD**



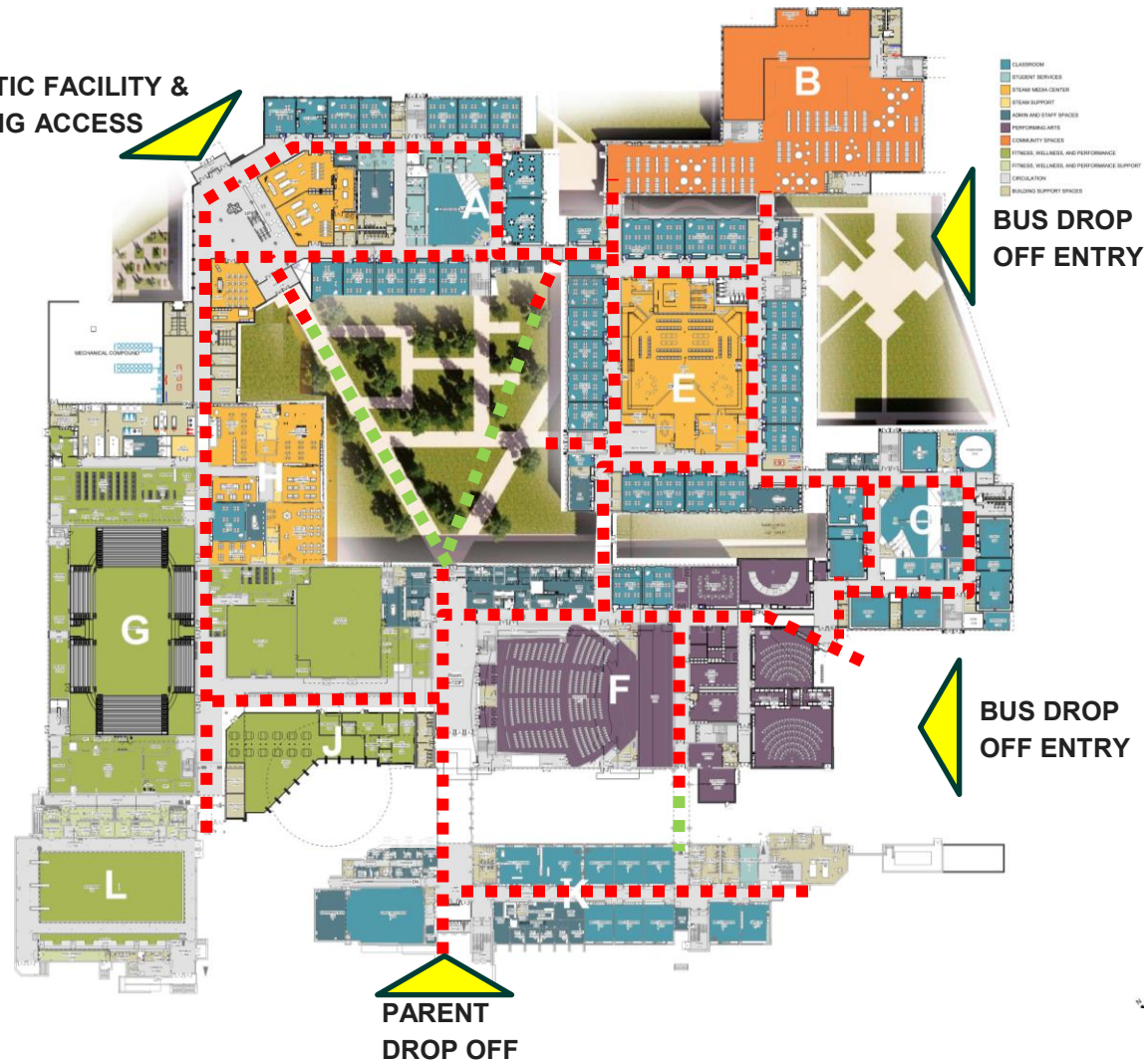
OVERALL PROJECT SECOND FLOOR PLAN

**NEW CLASSROOM
& ENTRY ADDITION
CONNECTING A-
POD AND H-POD**



OVERALL PROJECT BUILDING CIRCULATION

ATHLETIC FACILITY &
PARKING ACCESS



Student Involvement

- Continued Involvement

- Engagement w/ ENACT Club
- Graphics/Branding Feedback Sessions
- Athletics & Performing Arts Feedback Session
- Furniture Design Workshops
- Engagement with Spatial Computing Course
- Nomination of “Student Ambassadors”
- CHIP, Work Study and Gifted Mentorship Program Involvement
- Project Engagement w/ Students from 2030-31 10th Grade Class
- Interactive QR Codes with Design Updates
- North Montco Technical Career Center - Student Site Visits
- SHIELD - Elementary STEM Program Site Visits
- Student Visit to Corbett Experience Center



Sustainability

Upgrades are estimated to provide more than a 50% reduction in total energy usage for each classroom

- Windows reduce thermal transmittance by 76% and solar radiation transmission by 52%
- Wall insulation reduces thermal transmittance by 70%
- New roof has 6X more thermal resistance
- New LED lighting reduced power density by 75%, adds occupant control, and improves lighting quality
- New HVAC and central heating plant reduced natural gas consumption by 18% while improving air quality with better control and dehumidification
- Incorporate solar
- Recycle

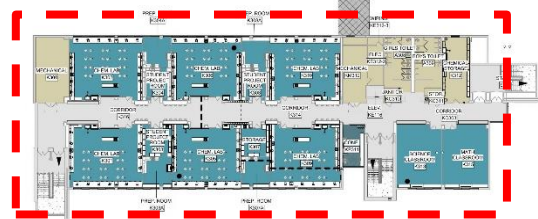
NPHS Renovation Update

PHASE 1

Substantial Completion achieved on schedule August 2026!



PHASE 1 SCOPE OF WORK



K-POD RENOVATIONS – 3RD FLOOR

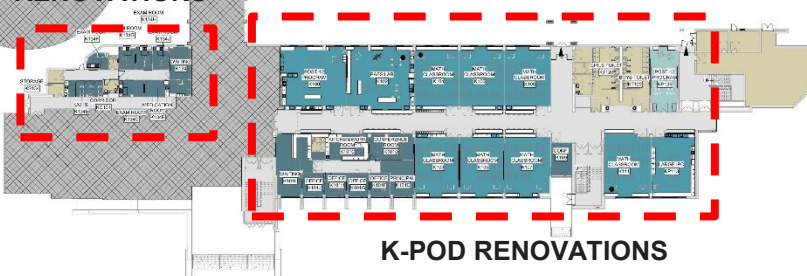


K-POD RENOVATIONS – 2ND FLOOR



NATATORIUM RENOVATIONS

**NURSE'S OFFICE
RENOVATIONS**



K-POD RENOVATIONS

PHASE 1

K-POD MAIN OFFICE



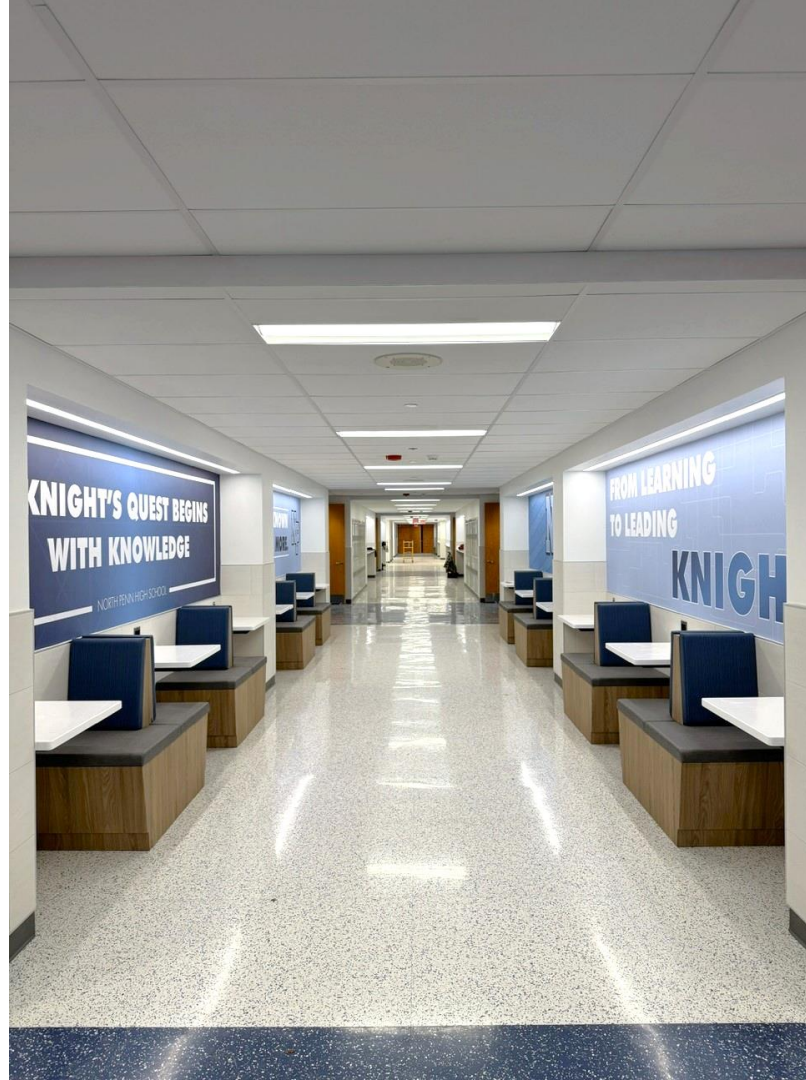
PHASE 1

K-POD MAIN OFFICE



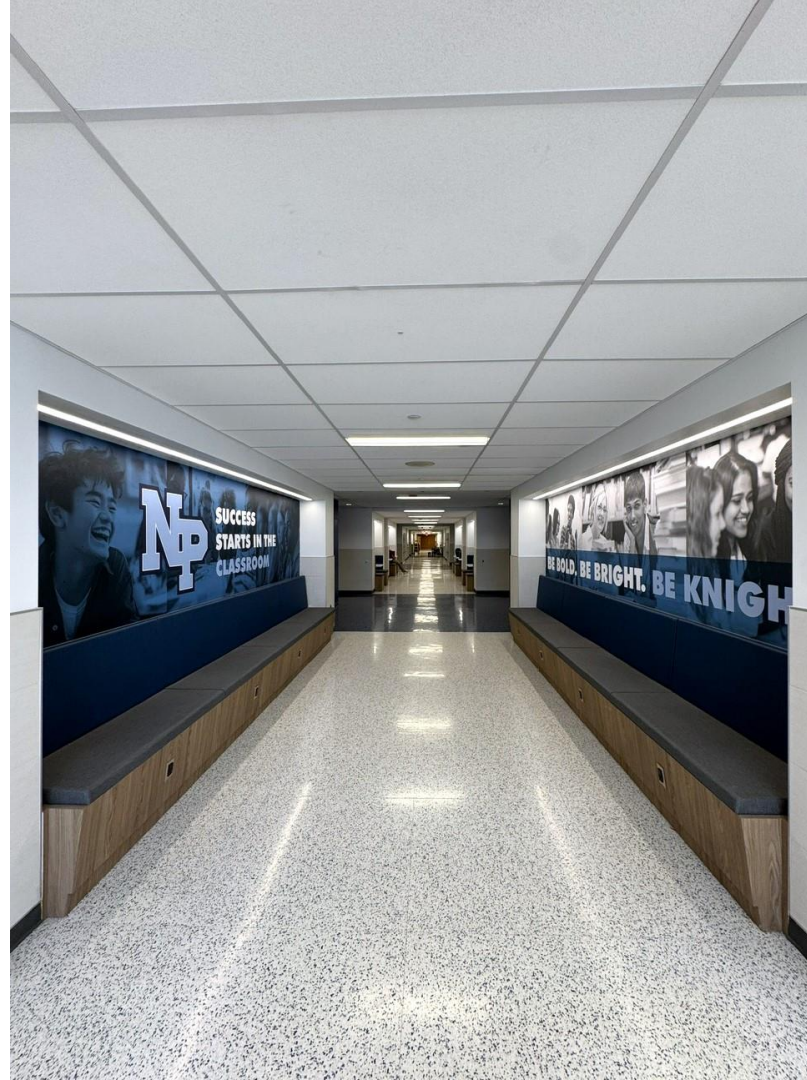
PHASE 1

K-POD CORRIDORS



PHASE 1

K-POD CORRIDORS



PHASE 1

K-POD 1ST FLOOR



PHASE 1

K-POD 1ST FLOOR



PHASE 1

K-POD 1ST FLOOR



PHASE 1

K-POD 1ST FLOOR



PHASE 1 NURSE'S SUITE

NURSE WAITING AREA BEFORE AND AFTER



PHASE 1

K-POD 3RD FLOOR



PHASE 1 NATATORIUM



PHASE 1 NATATORIUM



BP-1 Budget

BP-1 Item Description	Budget	Actual Bids w/ Selected Alts.	Changes	Final Costs	Comments
General: Penn Builders, Inc.	\$ 13,493,123	\$ 15,210,000.00	\$ -	\$ 15,210,000.00	
HVAC: JBM Mechanical, Inc.	\$ 5,665,429	\$ 4,264,000.00	\$ -	\$ 4,264,000.00	
Electrical: Boro Construction	\$ 5,917,047	\$ 4,436,500.00	\$ -	\$ 4,436,500.00	
Plumbing: Vision Mechanical	\$ 2,552,165	\$ 2,649,000.00	\$ (134,855.94)	\$ 2,514,144.06	
Environmental		\$ -			No work in BP-1
CONSTRUCTION COSTS- BP1 Renovations	\$ 27,627,764	\$ 26,559,500	\$ (134,856)	\$ 26,424,644	
AM Radio Tower Demolition Project	\$ 70,000	\$ 53,000	\$ (3,310)	\$ 49,690	
Sum of remaining material allowances				\$ (486,299)	Will be finalized at closeout
TOTAL Constrction Costs for BP-1 Renovations	\$ 27,627,764	\$ 26,612,500	\$ (138,166)	\$ 25,988,035	Projected as of 9/1/26
Soft Costs BP-1					
SOFT COST SUBTOTAL	\$ 3,288,911	\$ 3,947,200		\$ 4,521,879	
Phasing Contingency	\$ -	\$ -			
Design Contingency	\$ 1,066,089	\$ -			
Construction Contingency	\$ 1,330,000	\$ 800,000		\$ 849,786	
TOTAL SOFT COSTS & CONTINGENCY	\$ 5,685,000	\$ 4,747,200		\$ 5,371,665	
TOTAL ESTIMATED PROJECT COSTS	\$ 33,312,764	\$ 31,359,700		\$ 31,359,700	

\$849,786 (estimated) to be transferred to later phases

NPHS Renovation Update

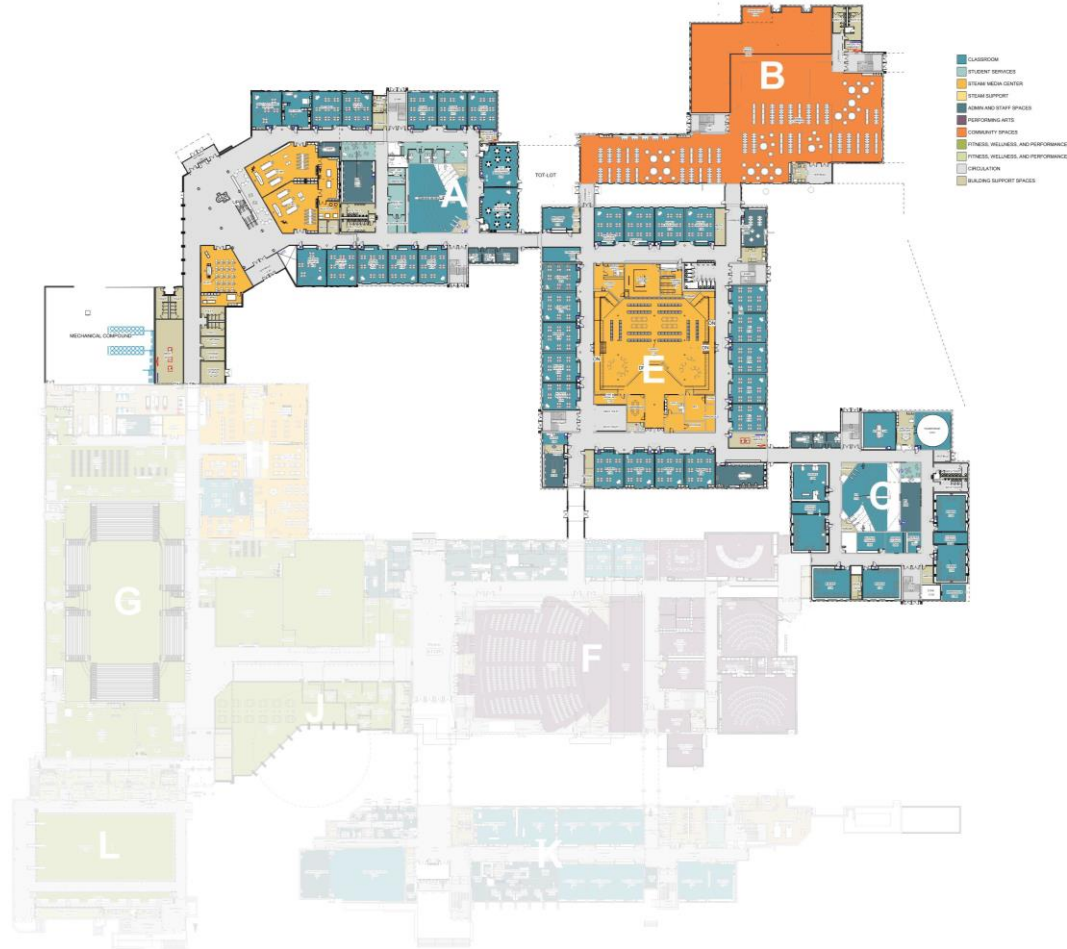
PHASE 2

Underway for Site & A-Pod



Bid Package 2 Scope

- Academic Spaces
 - A,B,C,D,E Pod Classrooms
 - Media Center / Library
- A-Pod Addition
 - Arts Classrooms
 - New Lobby
 - LGI
 - General Classrooms
 - Toilet Rooms



Bid Package 2 Scope

- Commons
 - Cafeteria / Kitchen
 - A33 & C39 Flexible Learning Commons
- Misc.
 - Courtyard Improvements





Bid Package 2 Utility Work

Electric
Stormwater
Sanitary
Water





PHASE 2 A1 ADDITION





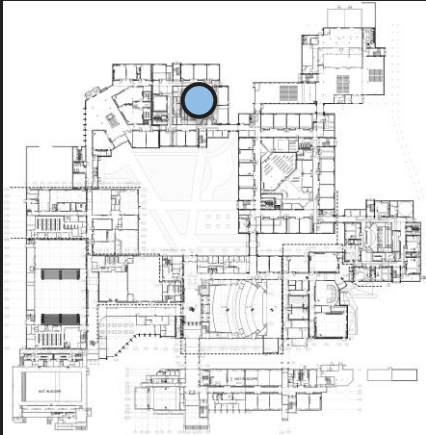
PHASE 2 A1 ADDITION





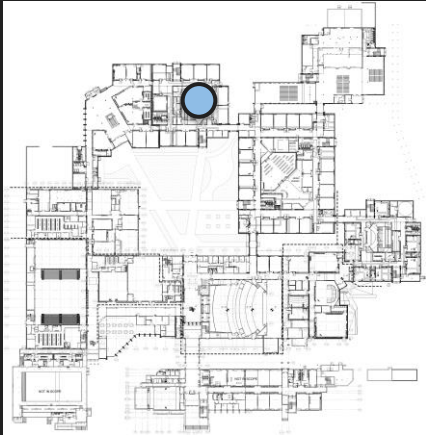
PHASE 2

A33

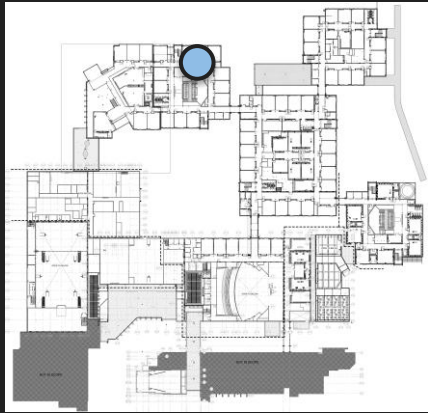


PHASE 2

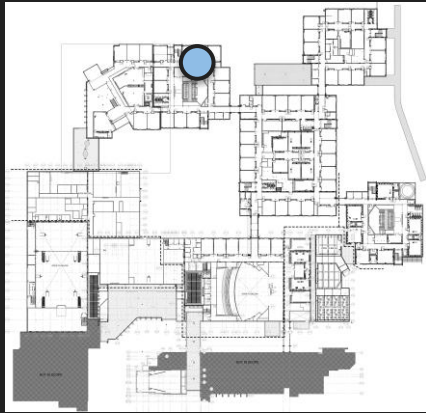
A33



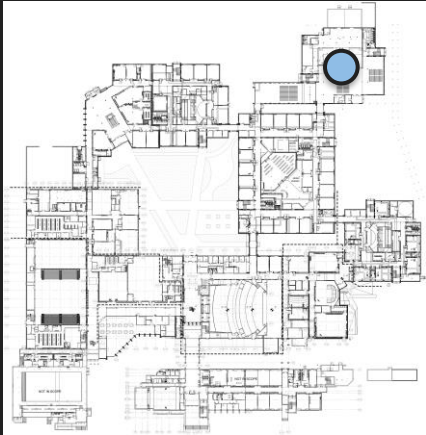
PHASE 2



PHASE 2

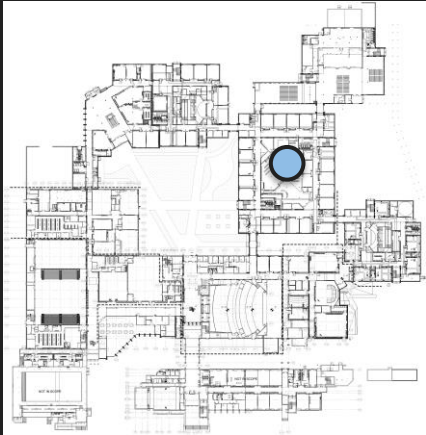


PHASE 2 DINING COMMONS



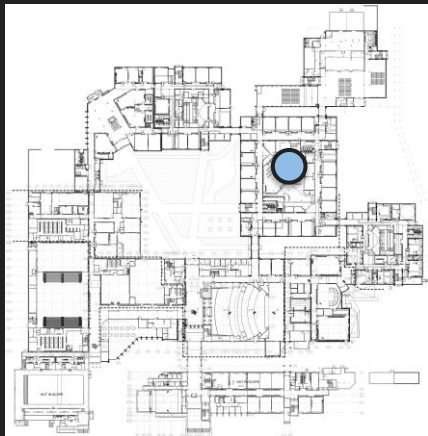
PHASE 2

IMC



PHASE 2

IMC



Bid Pack 2

A,B,C & D/E PODS

Notice to Proceed (delayed from 8/25/25)	12/27/25
A Pod Addition & Reno Complete	08/27
B Pod and C Pod both floors start	06/2027
B & C Pod Reno Complete	06/30/28
D/E Pod start	06/2028
D/E Pod Reno Complete	12/24/29
Bid Pack 2 Substantial Completion	12/24/29

- Includes abatement contract phased before renovation
- Owner purchased electrical equipment assists the schedule
- More temp classrooms added to keep the work moving despite the permit delay
- Goal is to reposition work to meet the 2029 completion

Total Cost \$129,252,109

No Change Orders to date



NPHS Renovation Update

TRANSPORTATION CENTER

Structure up...on schedule for Summer 2027 opening







Bid Pack 2a

TRANSPORTATION BUILDING

Notice to Proceed	12/15/25
Commenced Building Foundations	04/20/26
Metal Building Shell installed	07/30/26
Finishes, Final Completion & Relocation	03/27
Demo, Fueling Station & Paving	Summer 2027

- Building structure is up. Roof, wall and interior underslab utilities are continuing.
- Includes a new fueling station for Transportation
- Demo of existing is by the BP-2 contractor

Total Cost \$10,570,137
No changes and on schedule



NPHS Renovation Update

PHASE 3

Documents, Permit and Phasing being refined for early 2027 bid



Bid Package 3 Scope

- Academic Spaces

- FCS Labs
- Tech Ed Labs
- Health Classrooms

- Performing Arts

- C/F Addition
 - Music Rooms
 - C/F Entry from C Lot
- Auditorium & Auditorium Lobby
- Audion and front entry
- Drama/Theater Spaces
- Storage Addition



Bid Package 3 Scope

- Athletics

- J Pod Addition
- Athletics Lobby
- Navy/Columbia Gyms
- Aux Gym
- Wrestling Room
- Trainer's Rooms
- Locker/Team Rooms

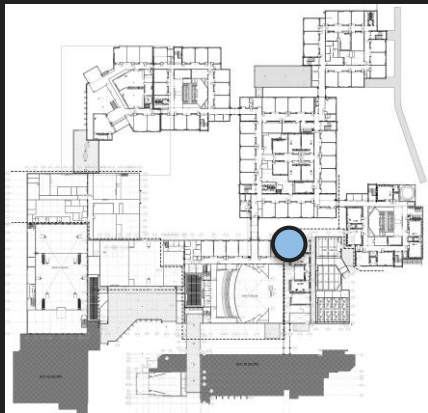
- Misc.

- Main Entry Lobby
- Concourse
- Mechanical/Maintenance Area



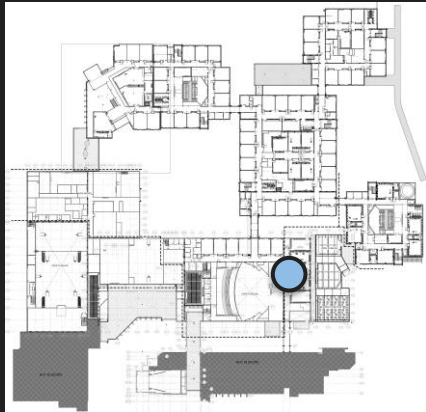
PHASE 3

F Pod



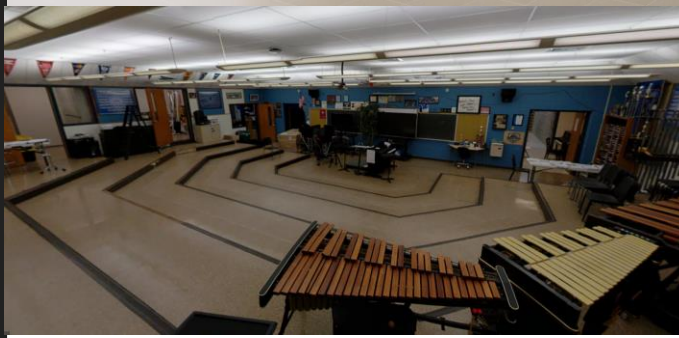
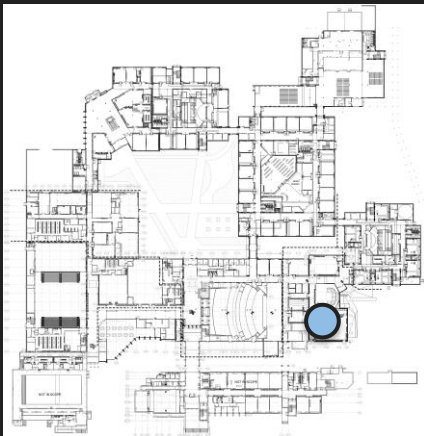
PHASE 3

F Pod



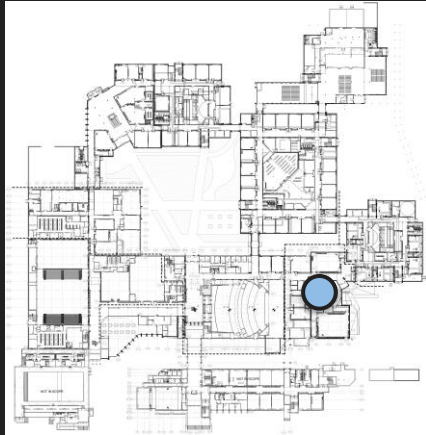
PHASE 3

C/F Addition



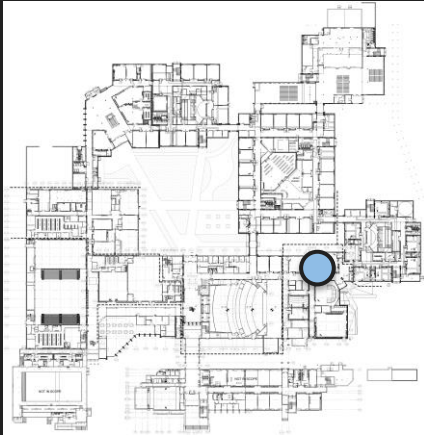
PHASE 3

C/F Addition



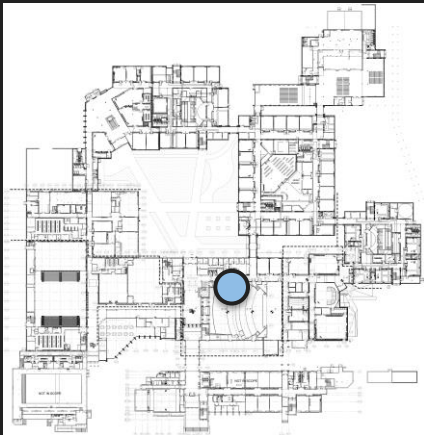
PHASE 3

C/F Addition



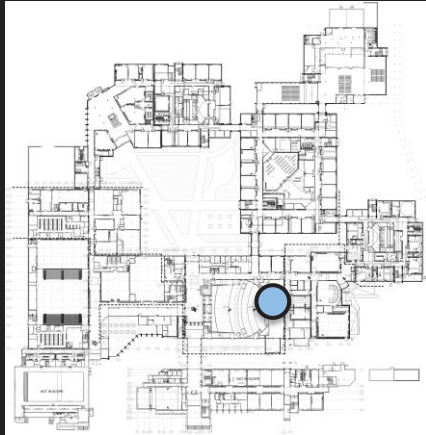
PHASE 3

F Pod



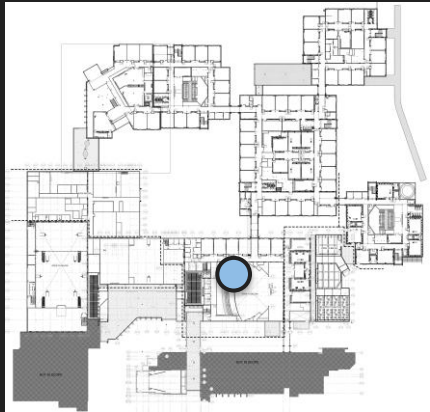
PHASE 3

F Pod



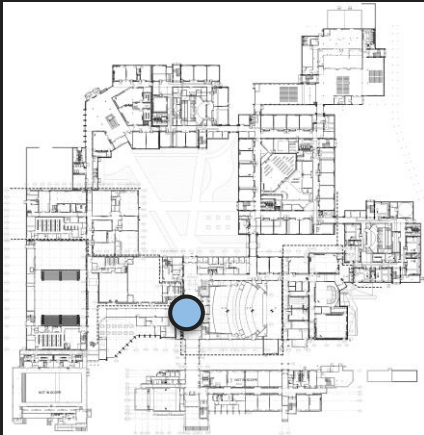
PHASE 3

F Pod



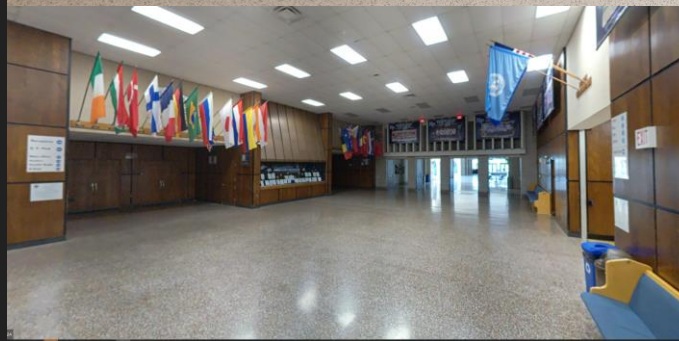
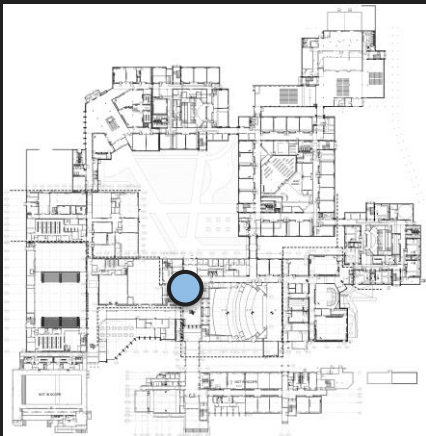
PHASE 3

F Pod



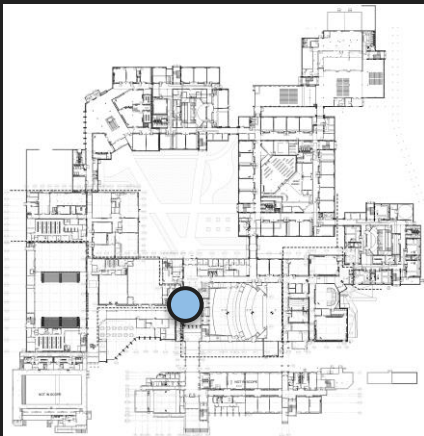
PHASE 3

F Pod



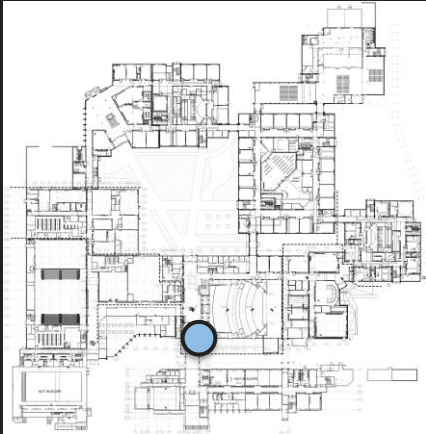
PHASE 3

F Pod



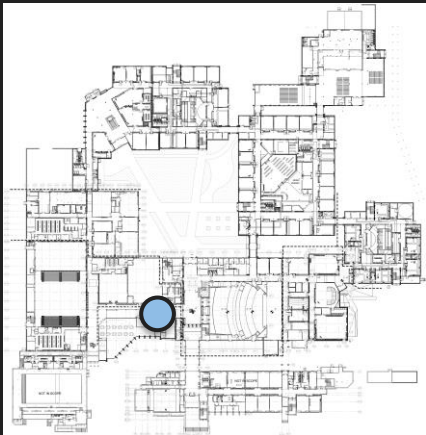
PHASE 3

F Pod



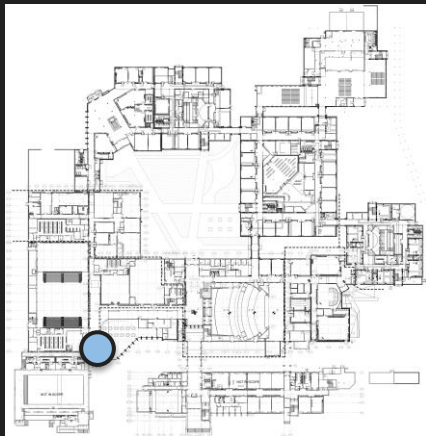
PHASE 3

J Pod



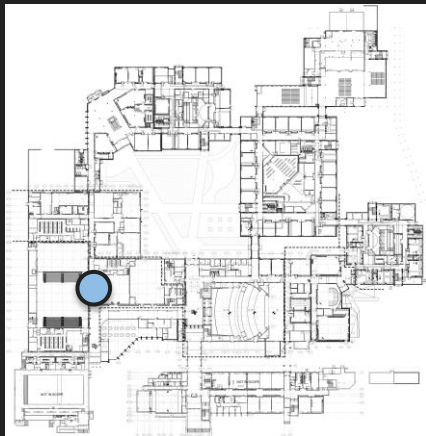
PHASE 3

G Pod



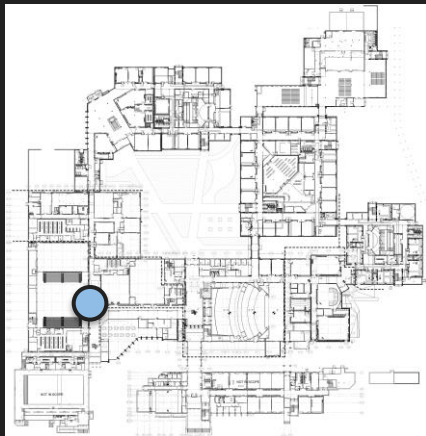
PHASE 3

G Pod



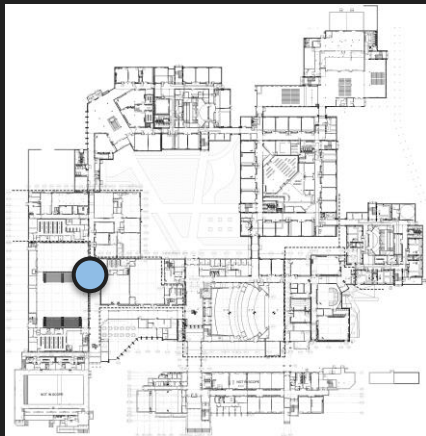
PHASE 3

G Pod



PHASE 3

G Pod



Bid Pack 3

Performing Arts, Athletics,
Academics + Site

Advertise	Jan 2027
Award	May 2027
Work start	Misc Summer 2028
J Reno Complete	6/2029
H Pod Reno Complete	12/2029*
Gym Reno Complete	09/2029*
Auditorium Reno Complete	09/2030*
F Pod Reno Complete	09/2030*
Substantial Completion	09/2030

- *Phasing of BP 3 is being finalized based on HVAC
- Requires replacement of the central HVAC plant and hydronic piping. Electrical work being amended
- Requires approval of the submitted NPDES permit

Total Budget \$89,099,025.00



NPHS Renovation Update

PHASE 4

The final act



Bidding 2029
Sitework (after J Pod & front entry) Summer '30 & '31

Bid Pack 4

The front parking lot
storm sewer
replacement, lighting,
paving, & landscaping

- Performing work across 2 summers will be bid as an alternate due to the volume of work
- Includes stormwater pipe replacement, site lighting, curb and sidewalk and remaining landscaping



Total Cost \$4,437,412.00



SCHRADERGROUP
A HORD COPLAN MACHT STUDIO



Total Project Budget Status

Item	K-Pod & Natatorium Renovation After Bids	Transportation Building State Contract	Phase 2 New Additions (Pod A), Reno of Pod A, B, C, D, E & Site Improvements, Transportation Abatement & Demo	Phase 3 Additions (I/F Pod) Renovations of Pods H, G, J, F	Phase 4 Main Parking Lot Upgrades	Grand Total
Construction Costs:			287,100 SF	212,940 SF		
General Contractor Total	\$ 15,210,000	\$ 9,428,523	\$ 66,311,000	\$ 40,149,000	\$ 3,719,900	\$ 134,818,423
Electrical Contractor Total	\$ 4,436,500	\$ -	\$ 16,400,000	\$ 12,119,800	\$ -	\$ 32,956,300
Mechanical Contractor Total	\$ 4,264,000	\$ -	\$ 18,688,000	\$ 12,161,100	\$ -	\$ 35,113,100
Plumbing Contractor Total	\$ 2,514,144	\$ -	\$ 6,858,700	\$ 5,524,300	\$ -	\$ 14,897,144
Environmental Abatement Contractor Total	\$ -	\$ -	\$ 1,500,000	\$ 550,000		\$ 2,050,000
TOTAL CONSTRUCTION COSTS	\$ 26,424,644	\$ 9,428,523	\$ 109,757,700	\$ 70,504,200	\$ 3,719,900	\$ 219,834,967
AM Radio Tower Demolition Project	\$ 49,690		\$ 100,000			\$ 149,690
Projected Allowance Balance at end	\$ (486,299)					
Solar				\$ 2,000,000		
TOTAL CONSTRUCTION COSTS	\$ 25,988,035	\$ 9,428,523	\$ 109,857,700	\$ 70,504,200	\$ 3,719,900	\$ 219,498,358
Soft Costs						
SOFT COST SUBTOTAL	\$ 4,521,879	\$ 1,094,426	\$ 14,575,579	\$ 8,863,759	\$ 380,000	\$ 29,435,643
Phasing Contingency	\$ -	\$ -			\$ -	\$ -
Design Contingency	\$ -			\$ 4,005,000	\$ 162,512	\$ 4,167,512
Construction Contingency	\$ 849,786	\$ 47,188	\$ 4,700,000	\$ 3,325,000	\$ 175,000	\$ 9,096,974
TOTAL SOFT COSTS & CONTINGENCY	\$ 5,371,665	\$ 1,141,614	\$ 19,275,579	\$ 16,193,759	\$ 717,512	\$ 42,700,129
TOTAL ESTIMATED PROJECT COSTS	\$ 31,359,700	\$ 10,570,137	\$ 129,133,279	\$ 86,697,959	\$ 4,437,412	\$ 262,198,487