

# The High School Project



## Superintendent's Advisory Team Meeting

September 29, 2021

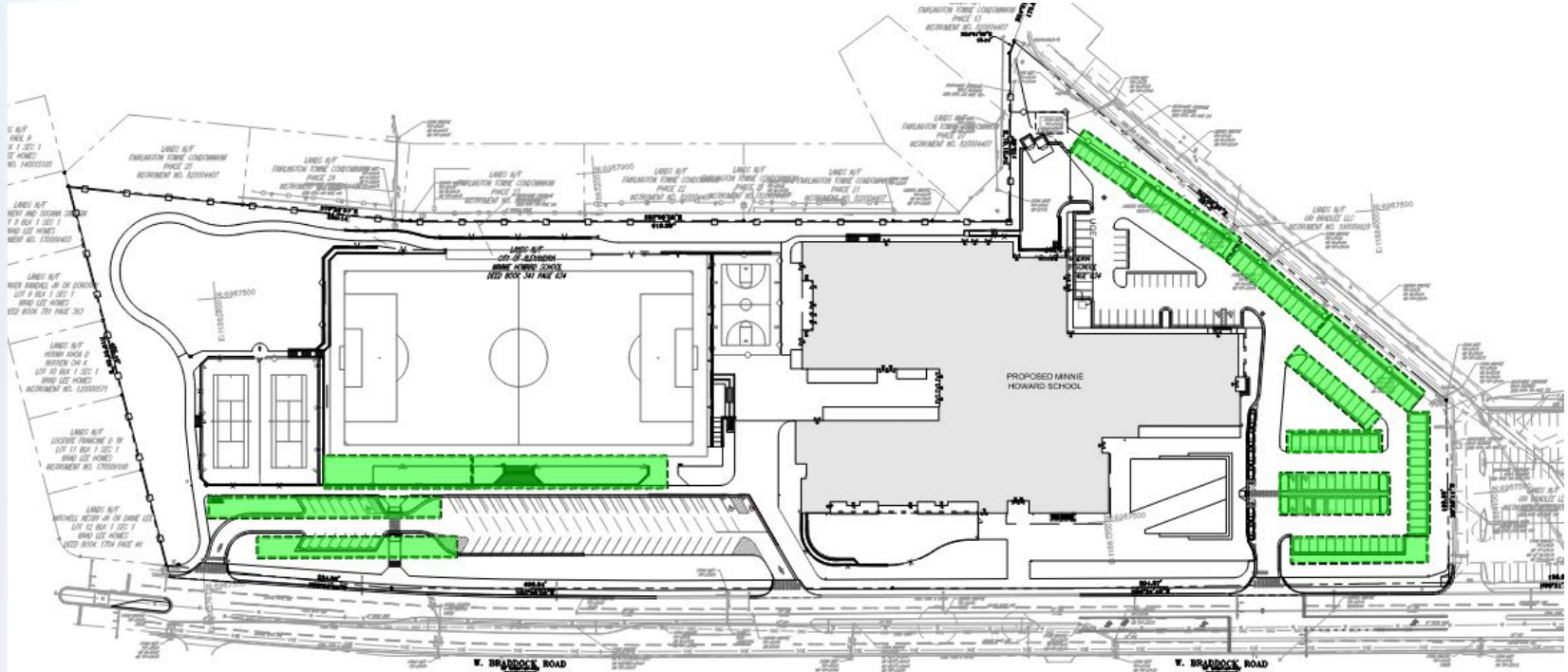


Alexandria City Public Schools

# Agenda

- Discussion on:
  - Sustainability & Site Design
  - Landscaping Design
  - Site Access and Parking Allocations
- Budget & Schedule
- Questions and Answers

# Minnie Howard Campus Site Usage and Sustainability



Structured Shading Elements with Photovoltaic Panels are highlighted in **green**. Photovoltaic Panels are also integrated into the Building Facades and on top of the roof.

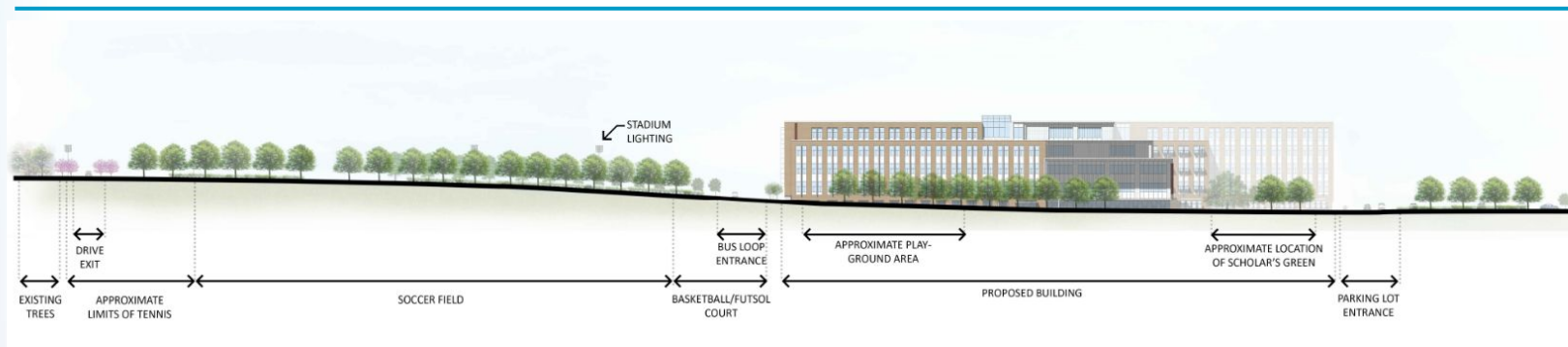
# Building Design & Sustainability

## Project Sustainability Goals:

- High Performance School with a dynamic learning environment focusing on inclusion and sustainability
- Acquire LEED Gold Certification
- NZE (Net Zero Energy) Building
- Building to maximize natural daylighting of interiors
- Stormwater Management - Quality and Quantity



# Site Sections



Tennis Court Light Height = 40 feet

Athletic Field Light Height = 60 feet

Ball net around majority of athletic field

Tiered retaining walls between Tennis, Athletic Field, and School

Perimeter landscape around athletic facilities



# Landscape Design Plan



**Design includes updates to landscaping and tree cover as sight buffer**

# Landscape – Sample Trees



Autumn Blaze Red Maple



Willow Oak



American Hornbeam



American Sycamore



Thornless Honey Locust



Eastern Redbud



Nellie R. Stevens Holly



Eastern Red Cedar



Green Giant Arborvitae



# Landscape – Sample Shrubs



Red Chokeberry



Summersweet



Limelight Hydrangea



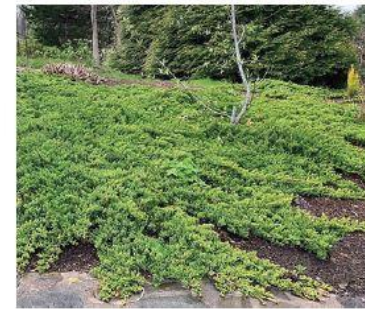
Northern Bayberry



Glossy Abelia



Lily Turf



Creeping Juniper



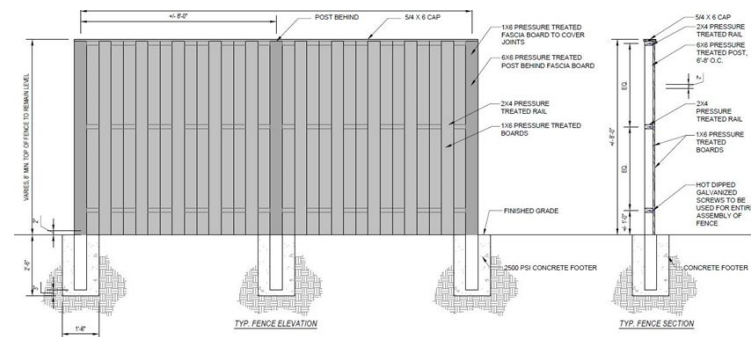
Wild Blue Phlox



# Visual Screening Design Element



**Board on Board Fence**



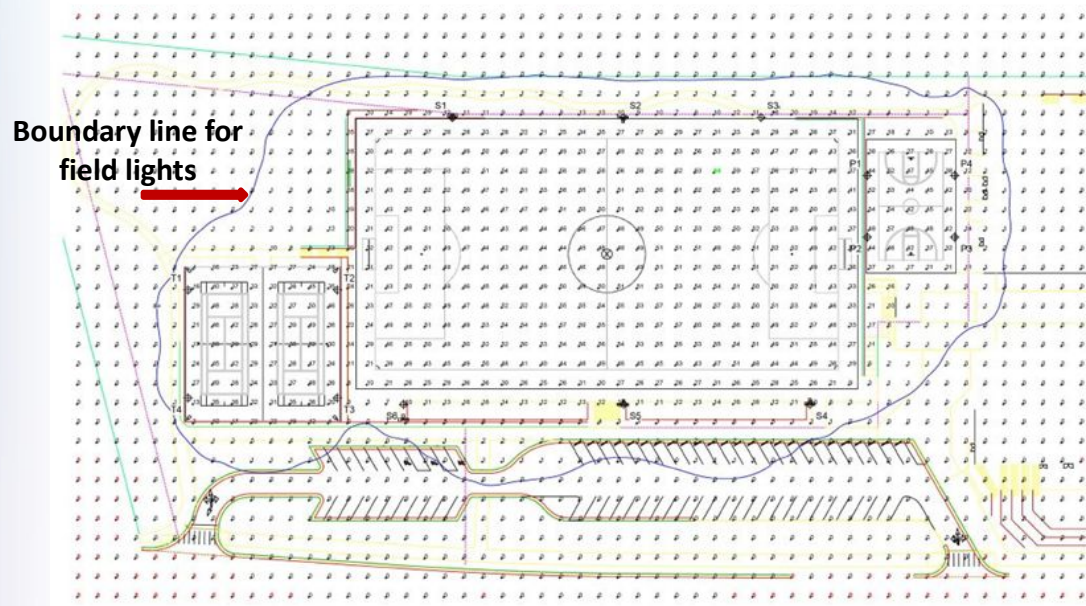
**Board on Board Fence:  
Elevation and Section**

# Field and Court Photometric

Field lighting calculations systems

Light cut off beyond field boundary

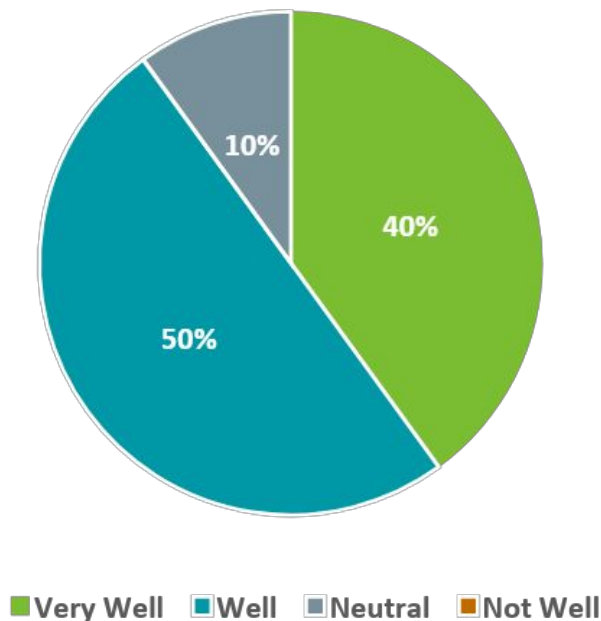
Site slopes, retaining walls



Soccer/Tennis Photometrics

# September 27 Community Meeting Polling Results

20 out of 32 attendees responded to the polling question: How well do you think the proposed landscaping and fencing for Minnie Howard Campus meets the needs of the community?

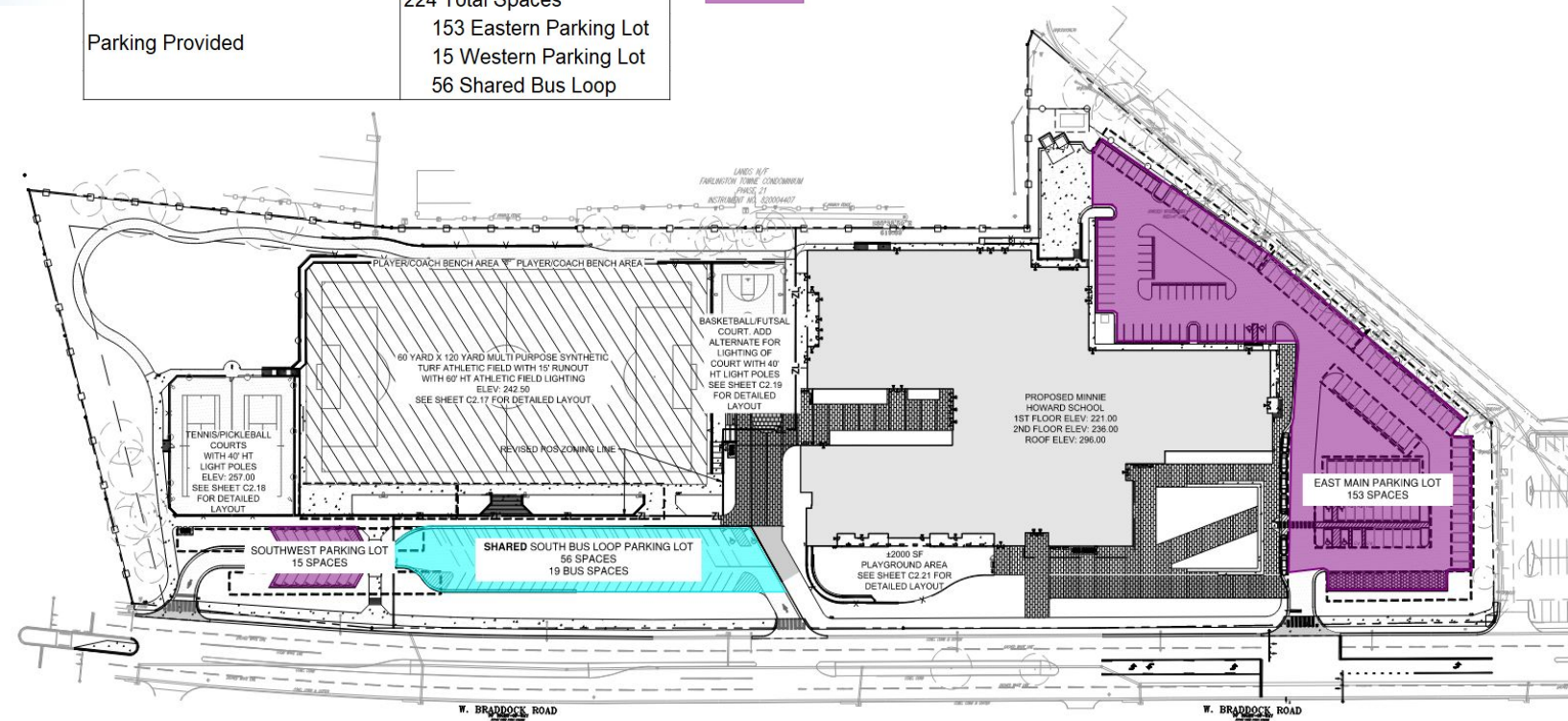




# Parking Lot Allocations

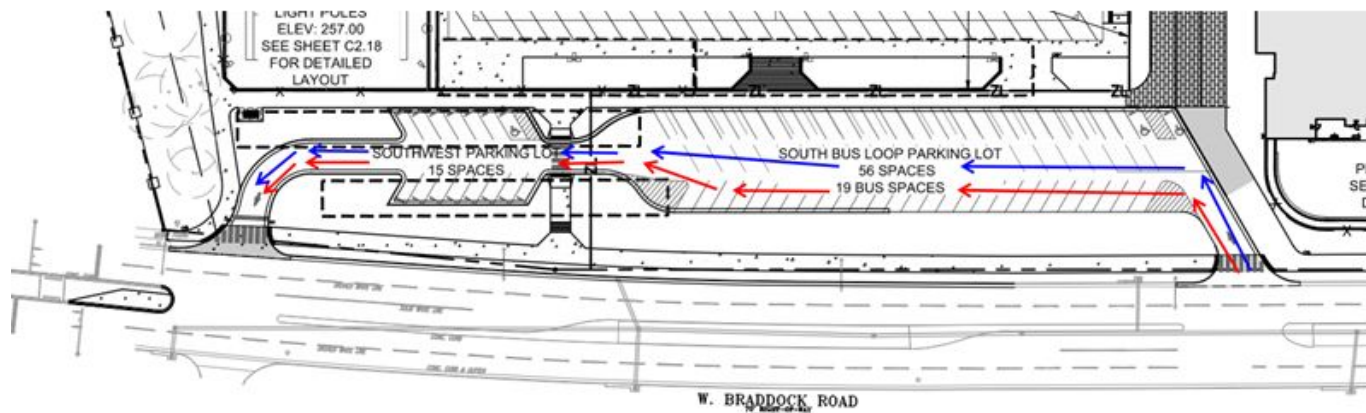
SITE PARKING SUMMARY	
Req'd Parking per Zoning Code	174 min. / 179 max.
	224 Total Spaces
Parking Provided	153 Eastern Parking Lot 15 Western Parking Lot 56 Shared Bus Loop

- = SHARED PARKING
- = PERMANENT PARKING



# Traffic and Pedestrian Access

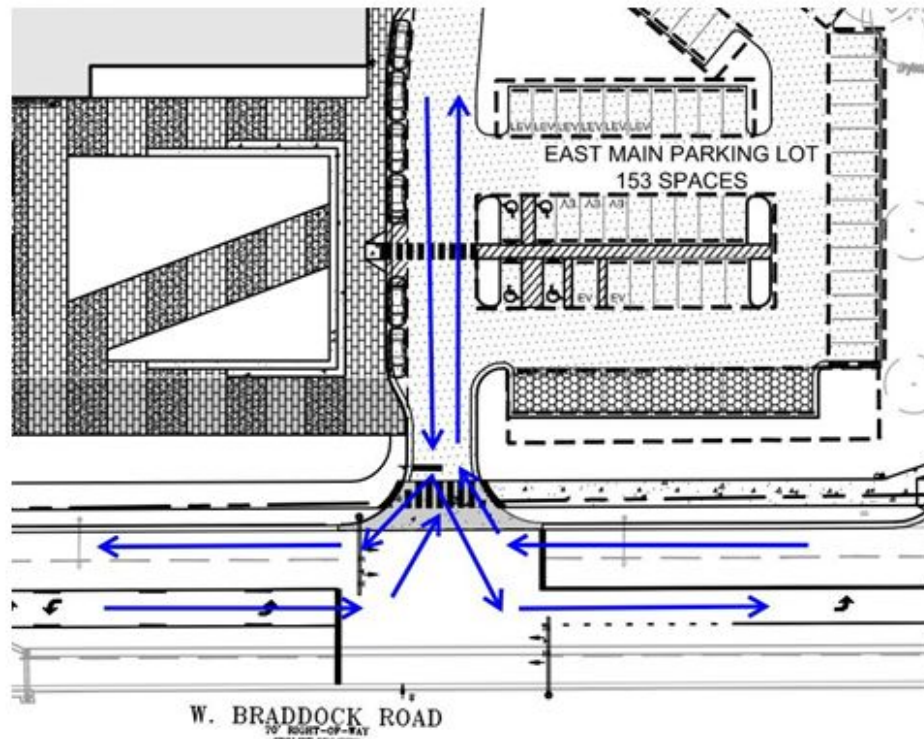
- Braddock Road circulation in and out (Median modification, added signal)
- Multiple access paths for cars, buses on site
- Distributed Parking East and West
- Pedestrian Access East, South, West from Public Way



← = CAR CIRCULATION  
 ← = BUS CIRCULATION

# Eastern Parking Lot Traffic Flow

## Proposed Traffic Flow Configuration



← = CAR CIRCULATION

Scale: NTS





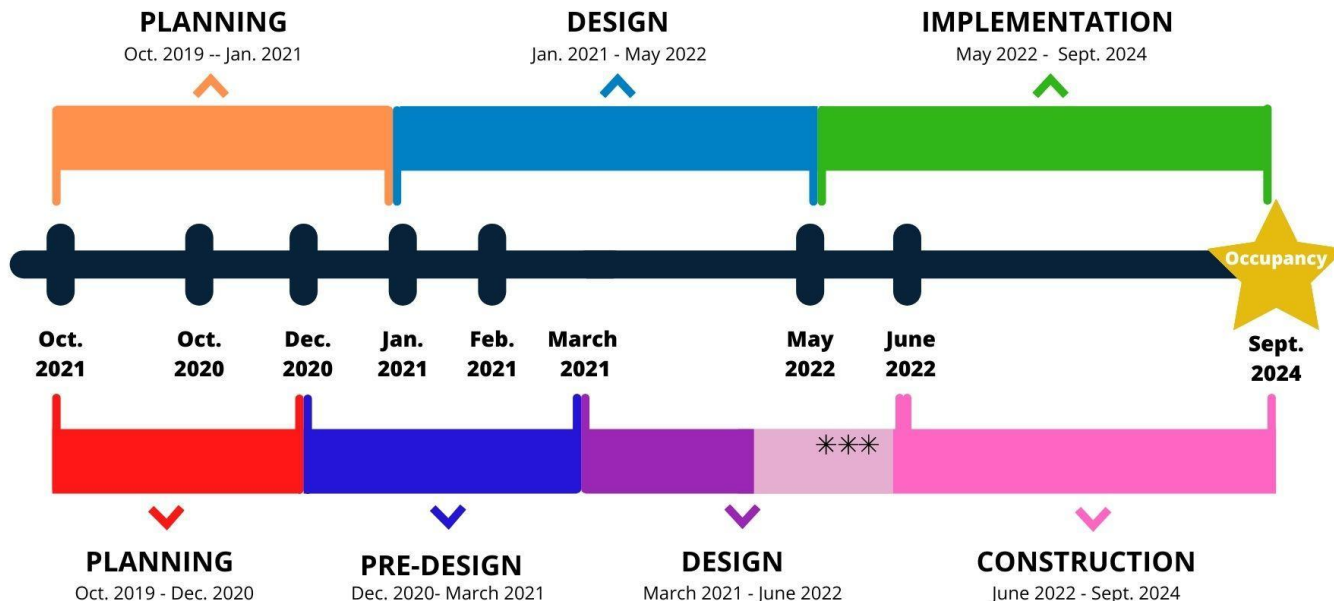
# Project Budget and Estimates

PROGRAMS	BUDGET	DD ESTIMATE
High School Program	\$150M	\$150.7M
Aquatic Facility	\$18.5M	\$18.1M
Alexandria Health Department (Teen Wellness Center)	TBD	\$1.1M
Department of Community and Human Services (DCHS) Spaces	TBD	\$7.8M

Given the size of this project, where we are in design, and the value management effort anticipated in the fall, ACPS expects to keep its portion of the project **on budget**.

# Project Timeline

## Educational Design Timeline



## Construction Timeline

Based on the next steps described in previous slides, ACPs anticipates that this project will remain **on time**.

\*\*\* Indicates time potentially gained for construction from March 2022

# Design Phase Meetings & Topics

**\*\*\* Project Team anticipates frequent updates to the community prior to Planning Commission and City Council Hearings\*\*\***

Date	Topic
<b>September 27, 2021</b>	<b>Design Updates on sustainability and site access.</b>
*Nov/Dec 2021	Updates on building operational aspects such as use of fields, pool, gym by school, RPCA, and community; Updates on Budget and Project Costs
*Winter 2022	Updates from Planning Commission and City Council hearings; Next steps for the project.
*Early Spring 2022	Final Meeting Preparation for Construction.

*\* Tentative date will need to be confirmed*



# Questions & Feedback

---

## Contact us:

✉ Email: [hsproject@acps.k12.va.us](mailto:hsproject@acps.k12.va.us)

## Updates:

✉ Online: [www.acps.k12.va.us/hsproject](http://www.acps.k12.va.us/hsproject)



# Thank You!

---



---

**Superintendent**  
Dr. Gregory C. Hutchings, Jr.

**School Board**  
Meagan L. Alderton, Chair  
Veronica Nolan, Vice Chair

Cindy Anderson  
Ramee A. Gentry  
Jacinta Greene  
Margaret Lorber

Michelle Rief  
Christopher A. Suarez  
Heather Thornton