

FOSTER ELEMENTARY SCHOOL

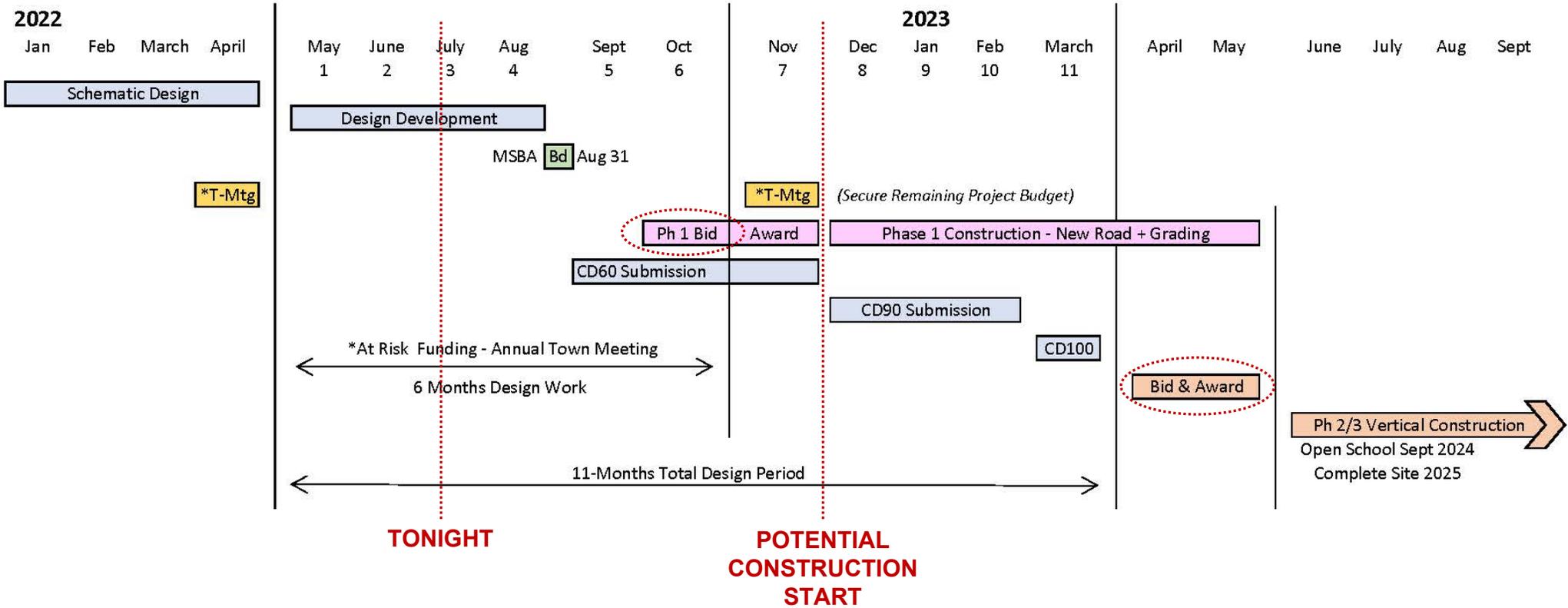
HINGHAM, MA

SELECTBOARD UPDATE

JULY 5, 2022



FOSTER ELEMENTARY SCHOOL | PROJECT SCHEDULE



FOSTER ELEMENTARY SCHOOL | **MSBA PARTICIPATION**



Massachusetts School Building Authority

Funding Affordable, Sustainable, and Efficient Schools in Partnership with Local Communities

Projected Cost

- \$113,335,749

Projected Reimbursement Rate

- 36.87% Base Rate
- 1.65% Maintenance Credit
- 2.00% Sustainability/Green Schools
- 40.52% Total

Grant Program Exclusions

- Covers Eligible Costs Only
- \$360/SF Construction Cost Cap – Eligible Spaces
- Site Construction Cap – 8% of Building Cost
- Furniture, Fixtures, & Equipment Cost Cap
- Technology Equipment Cost Cap
- Overall Soft Cost Cap – 20% of Building Cost
- Photovoltaic Installations

FOSTER ELEMENTARY SCHOOL | PROGRAMMATIC HIGHLIGHTS

Core Academic Programs

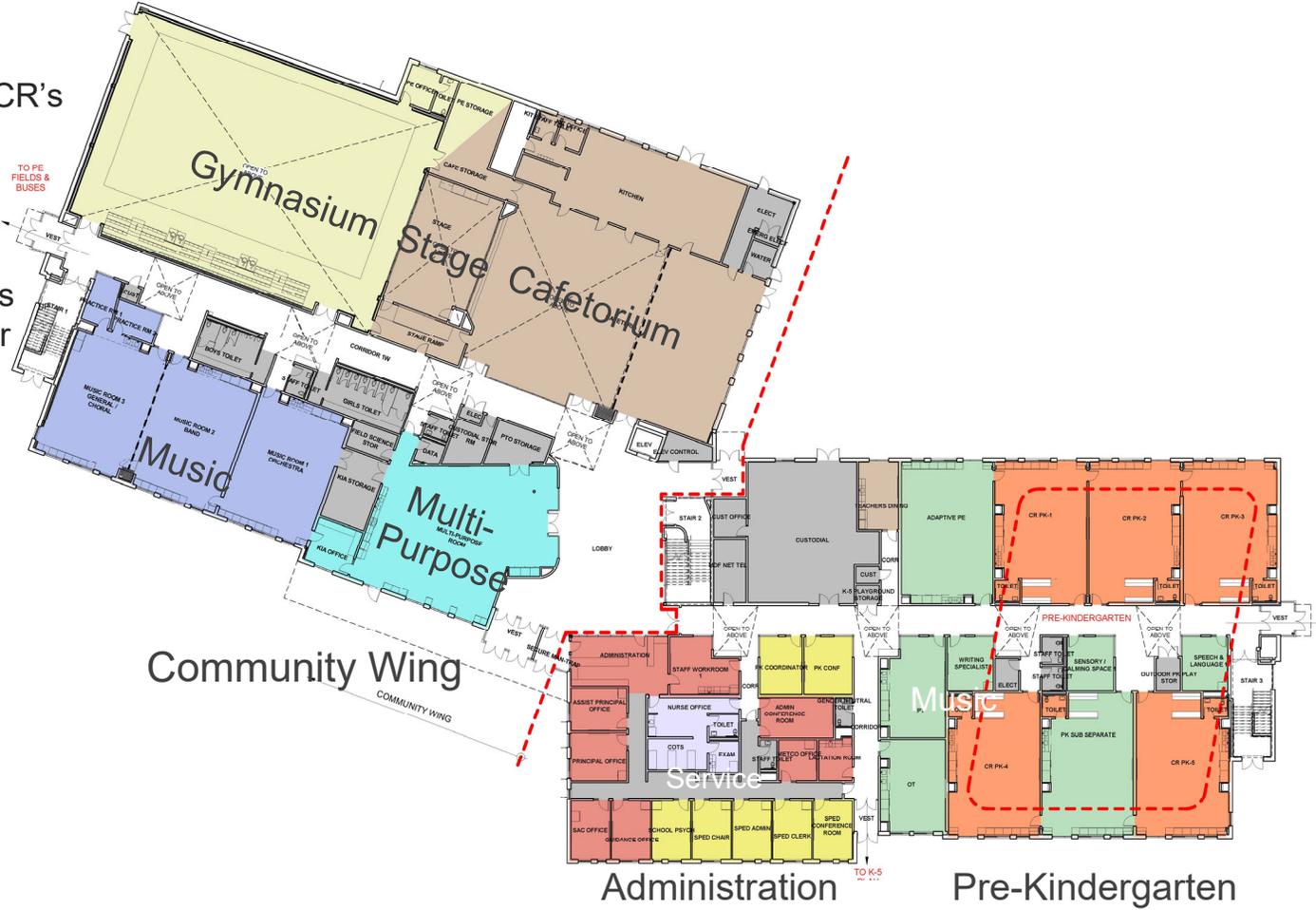
- Classroom Neighborhoods
- Natural Light – No More Windowless CR’s
- Break Out & Collaboration Spaces
- Additional Enrollment Capacity (+1 CR/Grade)
- Adds a Pre-Kindergarten Program
- ‘Right-Sized’ Gymnasium w/ Bleachers
- ‘Right-Sizes’ Cafeteria & Media Center
- Additional Music Classrooms
- Multiple Outdoor Learning Spaces

Special Education Programs

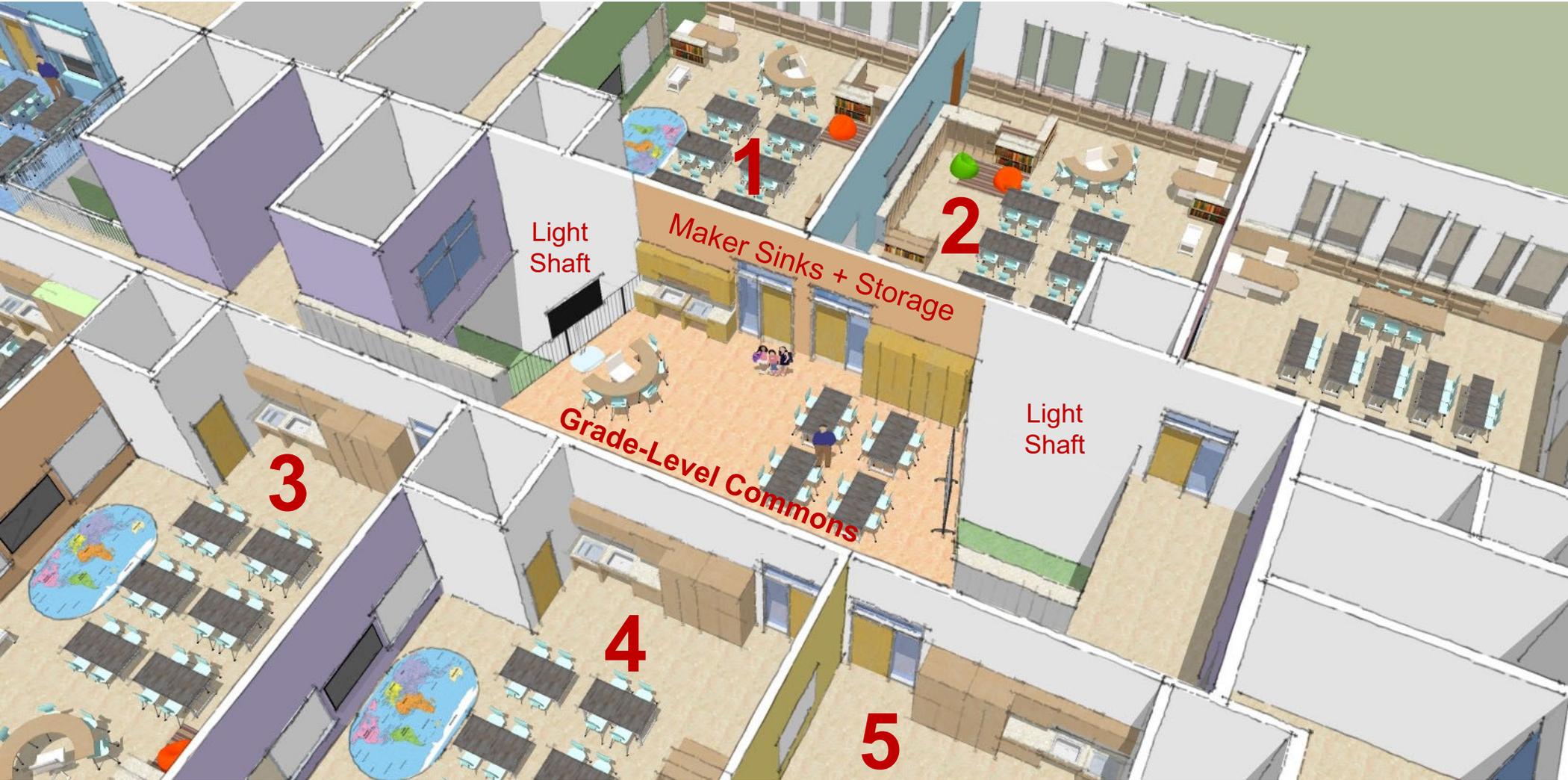
- Therapeutic Learning Center
- Language-Based Classroom

Community Features

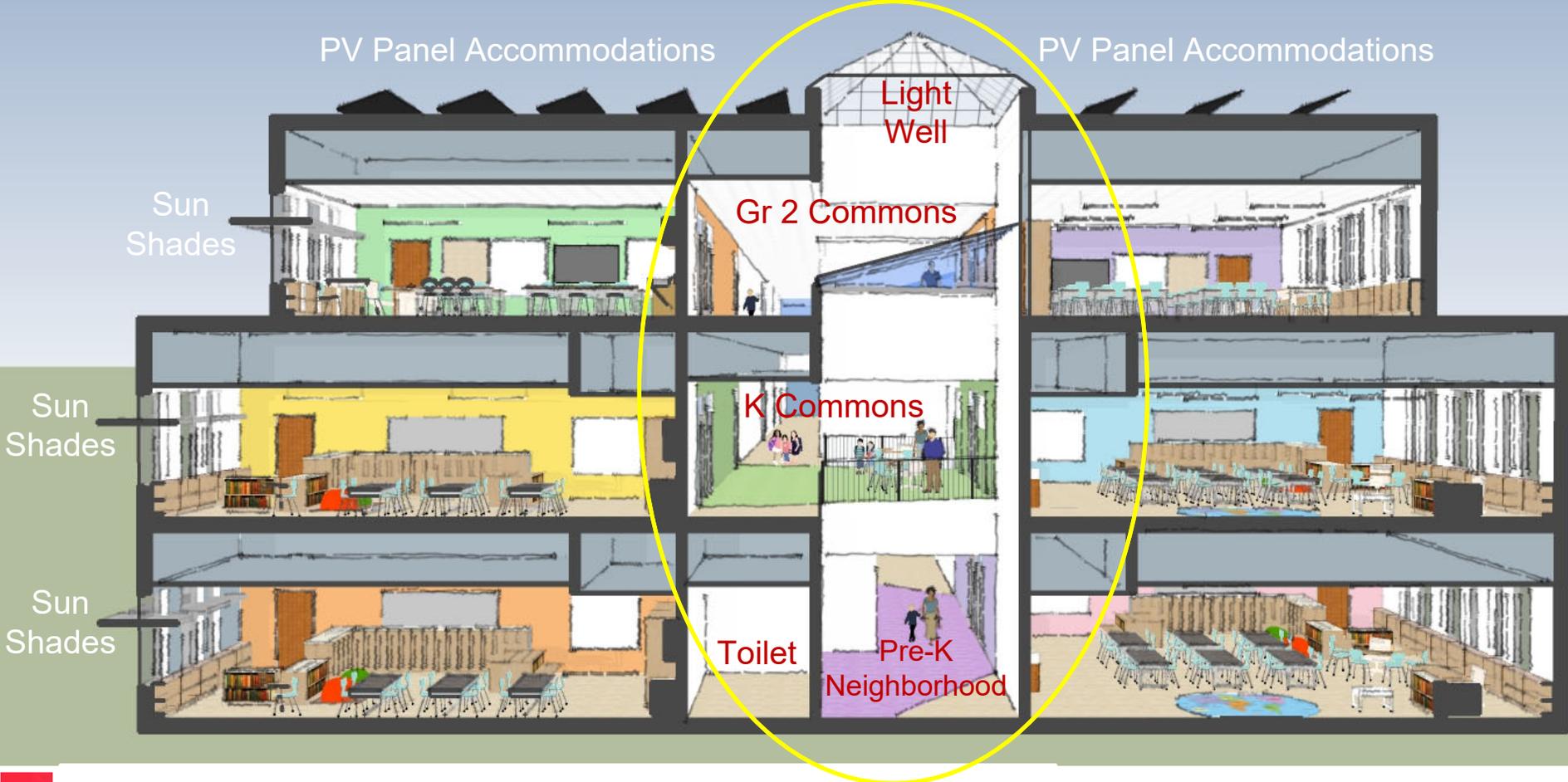
- Kids-In-Action (*after school program*)
- Multi-Purpose Room
- Tennis Courts & Softball Field
- Universally-Accessible Playgrounds
- Parking



FOSTER ELEMENTARY SCHOOL | CLASSROOM NEIGHBORHOODS



FOSTER ELEMENTARY SCHOOL | DAYLIGHTING INTERIOR LEARNING SPACE



FOSTER ELEMENTARY SCHOOL | LOWERING OPERATIONAL COSTS

Robustly Insulated

- R-60 Roof / R-40 Walls
- Triple-Glazed Fenestration

All-Electric Heating & Cooling

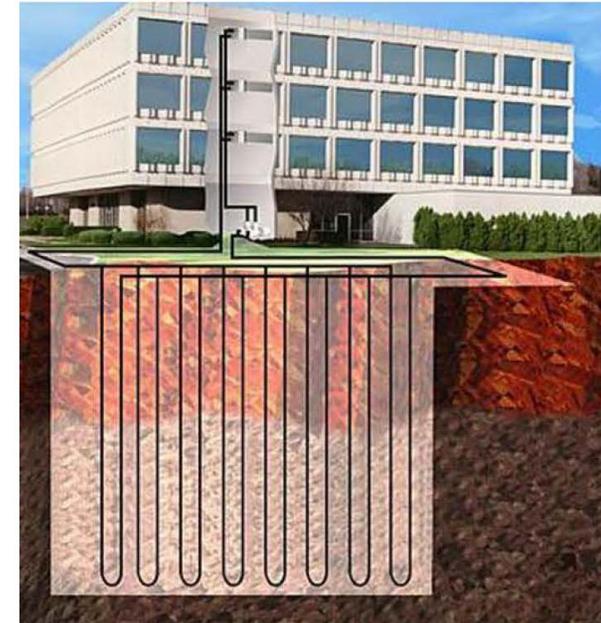
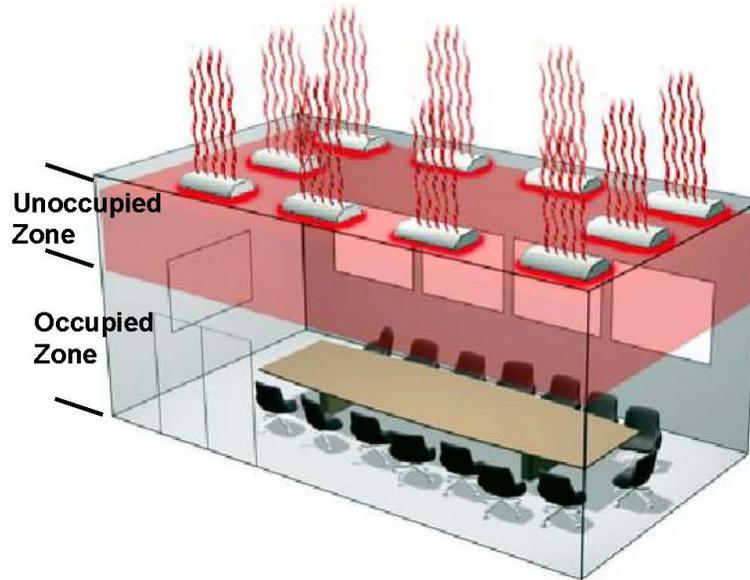
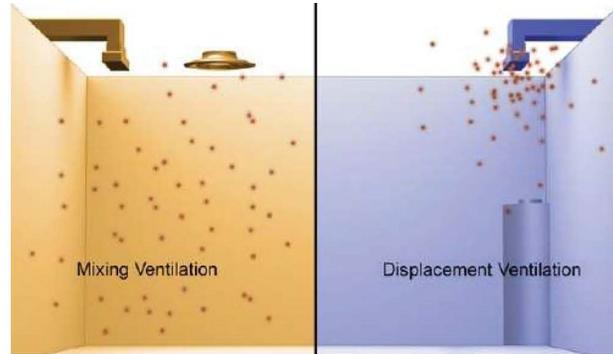
- No Carbon Emissions
- PV-Ready

Displacement Air

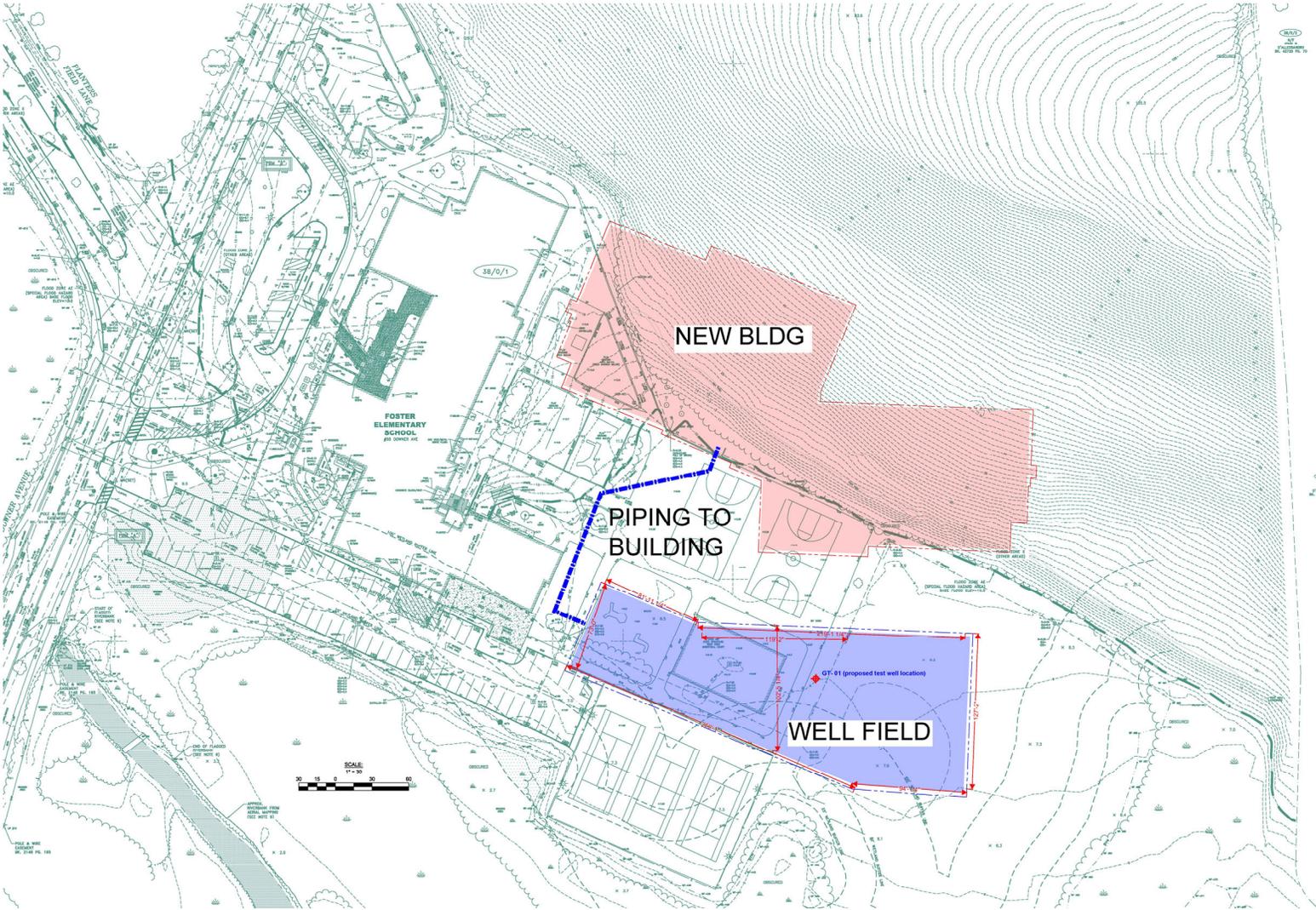
- Best Air Quality
- Only Condition Occupied Zone

Ground Source Heat Pumps

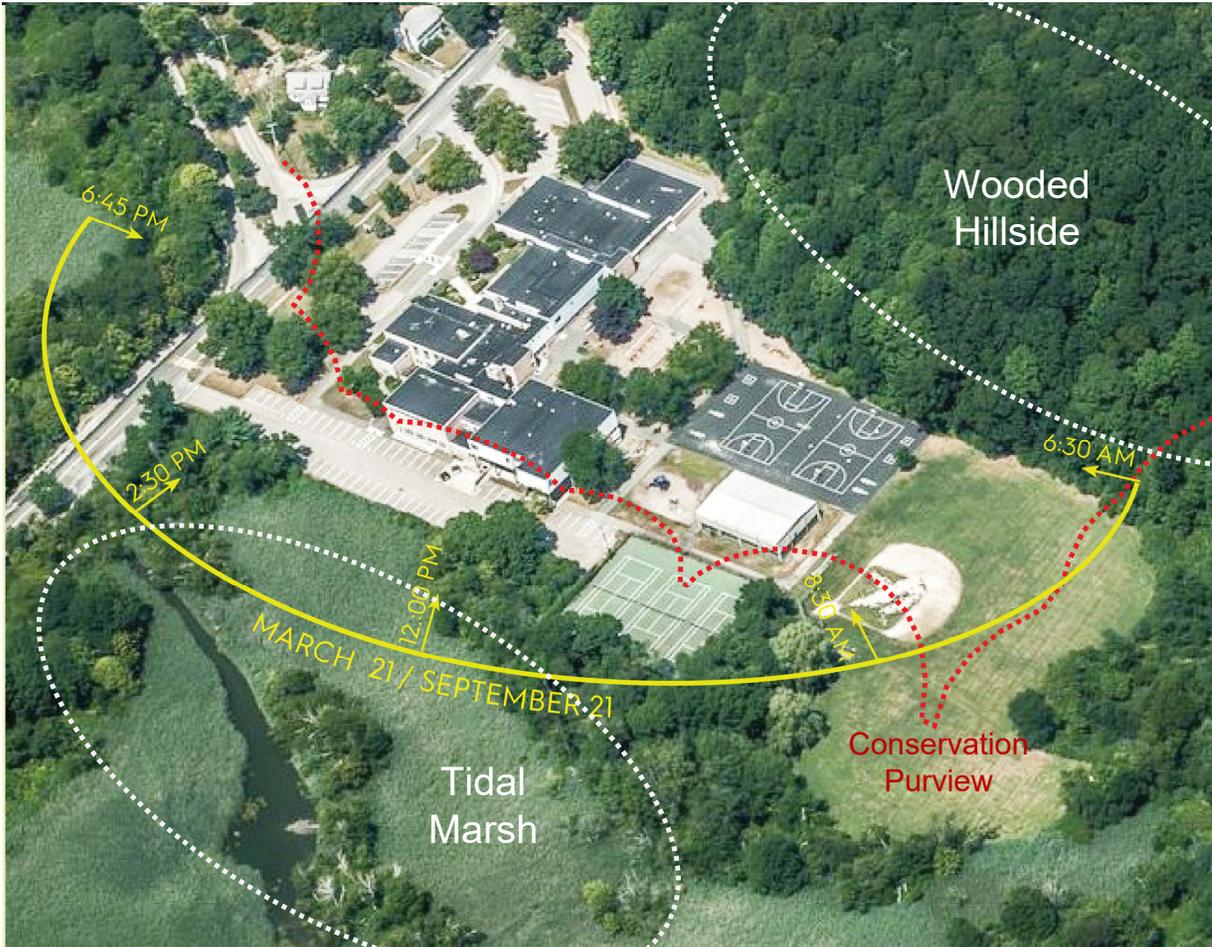
- Lowest EUI
- Lowest Life Cycle Costs
- Lowest Yearly Operational Costs
- Reduced Maintenance / Downtime
- Quieter Rooftop Units



FOSTER ELEMENTARY SCHOOL | GEOTHERMAL WELLFIELD



FOSTER ELEMENTARY SCHOOL | SITE CONSTRAINTS & SOLAR ORIENTATION



Existing Site Attributes

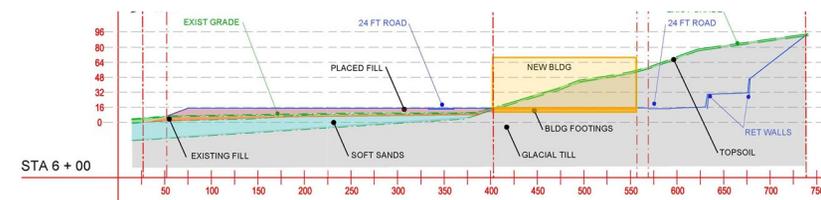
- Large Protected Site with Multiple Eco-Systems for Outdoor Learning
- Limited Number of Abutters

Constraints

- Tidal Marsh & Future Flood Plains
- Wooded Hillside & Topography
- Building on an Occupied Site

Opportunities

- Southern Exposure with Marsh Views
- Room to Build a Segregated Construction Access Road & Remote Staging Area
- Hillside Soils Can Be Used to Raise Grade 4 to 11 Feet - Up and Out of the Projected 2070 Floodplain

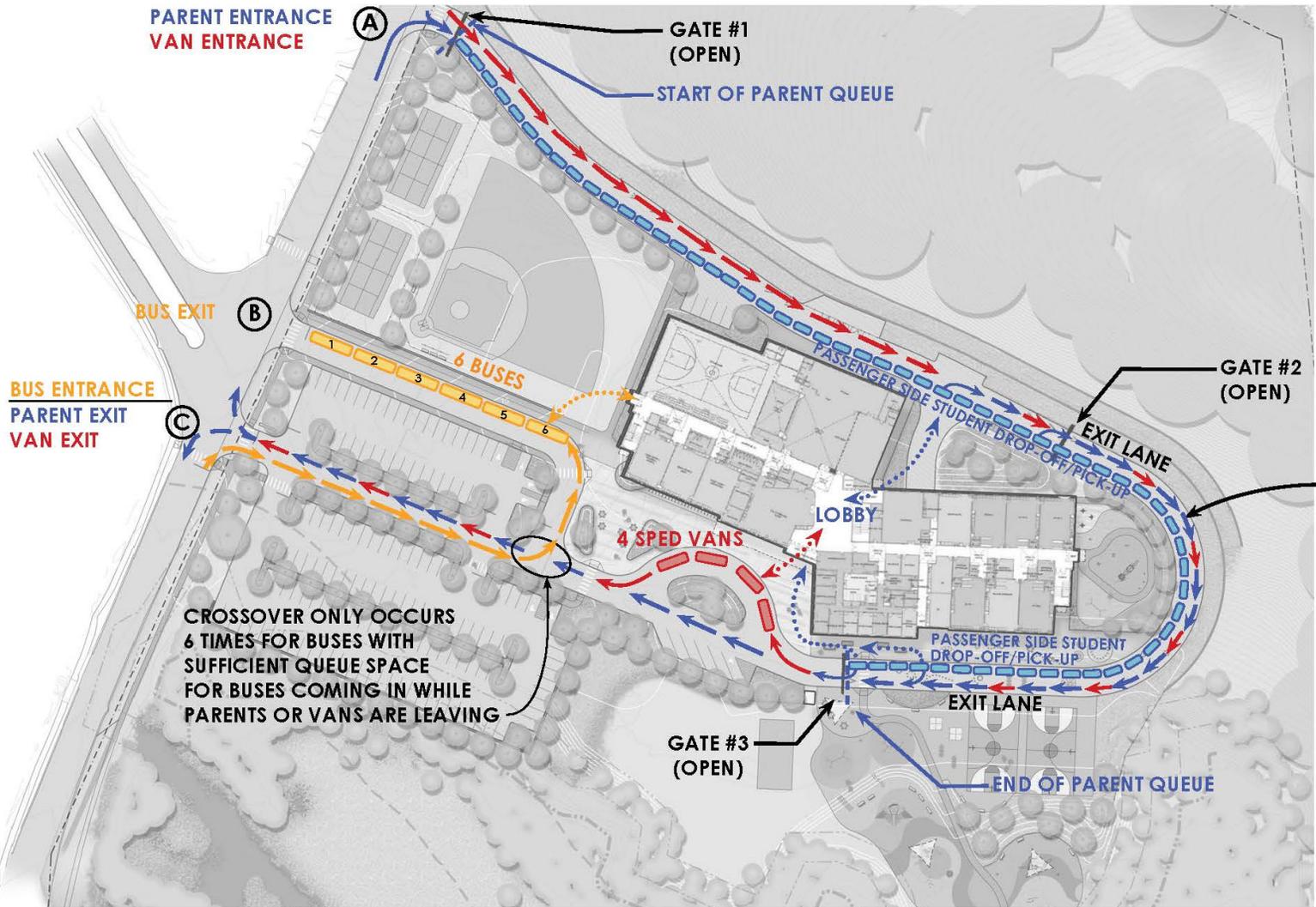


FOSTER ELEMENTARY SCHOOL | PROPOSED SITE PLAN



- 1 PLAYGROUND
- 2 HARD SURFACE PLAY (LINE GAMES + BASKETBALL)
- 3 ENTRANCE PLAZA
- 4 SOFTBALL FIELD (REDUCED OUTFIELD)
- 5 WILDERNESS CLASSROOM - RAISED BOARDWALK ELEV 10.5
- 6 OPEN PLAY FIELD WITH VOLLEYBALL
- 7 PRE K PLAYGROUND
- 8 PLANTING BUFFER
- 9 RAIN GARDEN - SURFACE FEATURE
- 10 TENNIS COURTS (2) SPLIT LEVELS
- 11 PARKING
- 12 WETLAND RESTORATION
- 13 ACCESSIBLE PATH THROUGH PLAY SPACES
- 14 BIKE PARKING
- 15 RAISED TABLE CROSSWALK
- 16 ELECTRIC VEHICLE CHARGING STATIONS

FOSTER ELEMENTARY SCHOOL | DROP-OFF / PICK-UP CIRCULATION



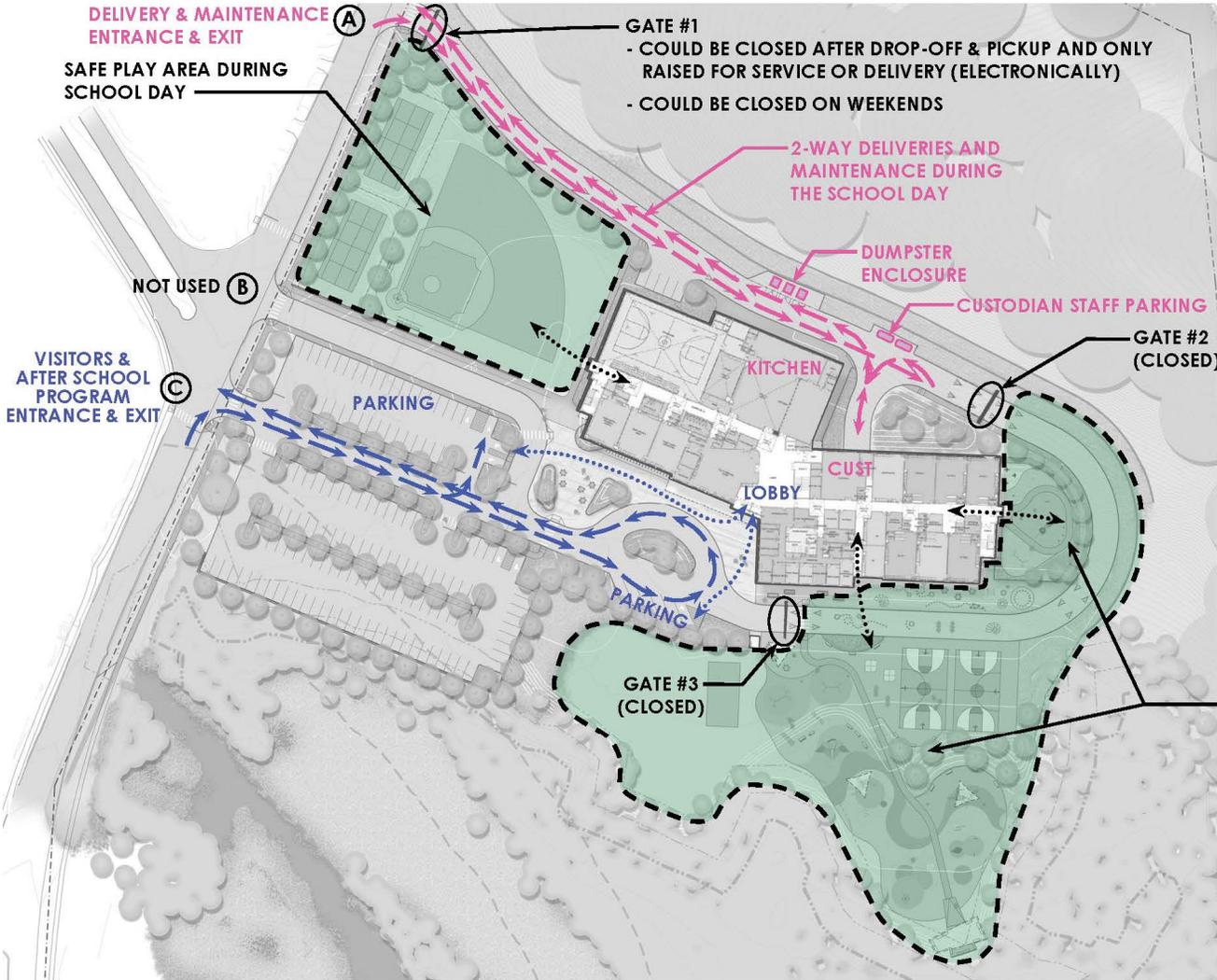
DROP-OFF & PICK-UP VEHICULAR SITE CIRCULATION

PASSENGER SIDE EXIT / ENTRY

- PARENTS (61 VEHICLE QUEUE CAPACITY)
- SPECIAL ED VANS (4)
- BUSES (6)
- DELIVERIES AND MAINTENANCE

- 2 LANE / 1 WAY PARENT PICK UP & DROP OFF ON PASSENGER SIDE
- PARENTS CAN PULL OUT AND LEAVE AFTER DROPPING OFF OR PICKING UP A CHILD
- SPED VANS MERGE WITH PARENT VEHICLES EXITING THE SITE

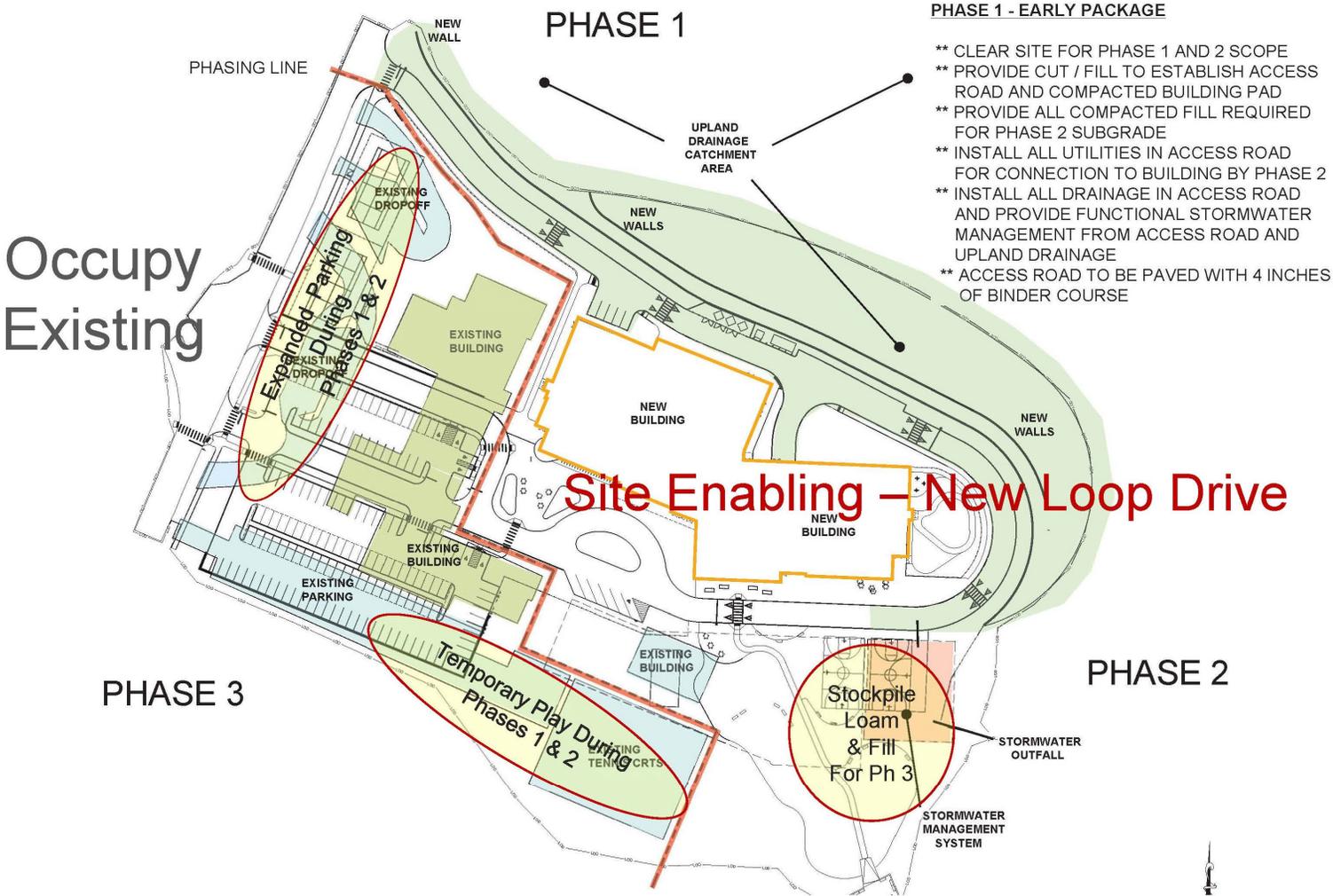
FOSTER ELEMENTARY SCHOOL | SCHOOL DAY / WEEKEND CIRCULATION



SCHOOL DAY & AFTER SCHOOL VEHICULAR SITE CIRCULATION

- PARENTS AND BUSES FOR KIDS IN ACTION (AFTER SCHOOL PROGRAM)
- DELIVERIES AND MAINTENANCE

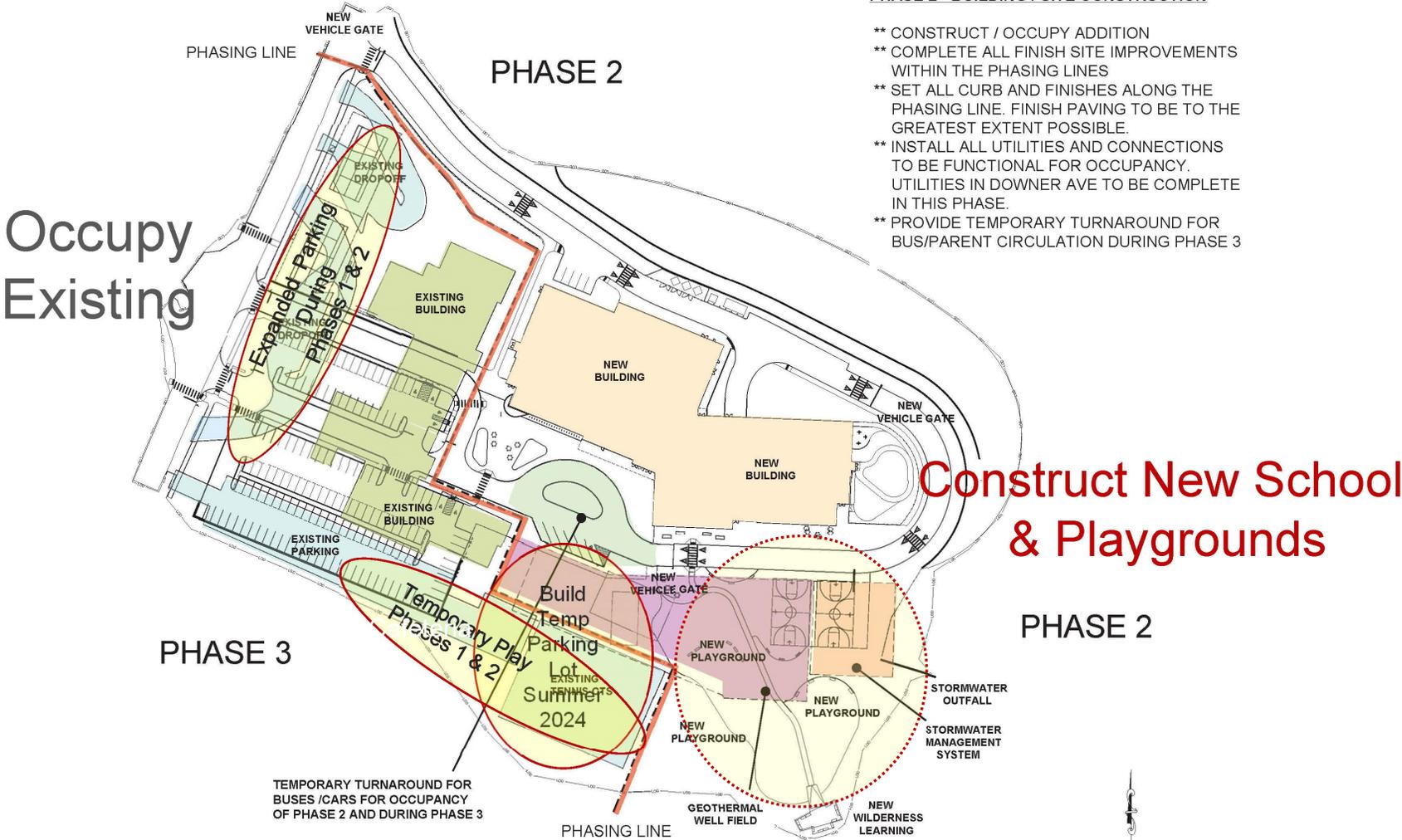
FOSTER ELEMENTARY SCHOOL | PHASE 1 – DEC 2022 THRU MAY 2023



FOSTER ELEMENTARY SCHOOL | PHASE 2 – JUNE 2023 THRU AUGUST 2024

PHASE 2 - BUILDING / SITE CONSTRUCTION

- ** CONSTRUCT / OCCUPY ADDITION
- ** COMPLETE ALL FINISH SITE IMPROVEMENTS WITHIN THE PHASING LINES
- ** SET ALL CURB AND FINISHES ALONG THE PHASING LINE. FINISH PAVING TO BE TO THE GREATEST EXTENT POSSIBLE.
- ** INSTALL ALL UTILITIES AND CONNECTIONS TO BE FUNCTIONAL FOR OCCUPANCY. UTILITIES IN DOWNER AVE TO BE COMPLETE IN THIS PHASE.
- ** PROVIDE TEMPORARY TURNAROUND FOR BUS/PARENT CIRCULATION DURING PHASE 3



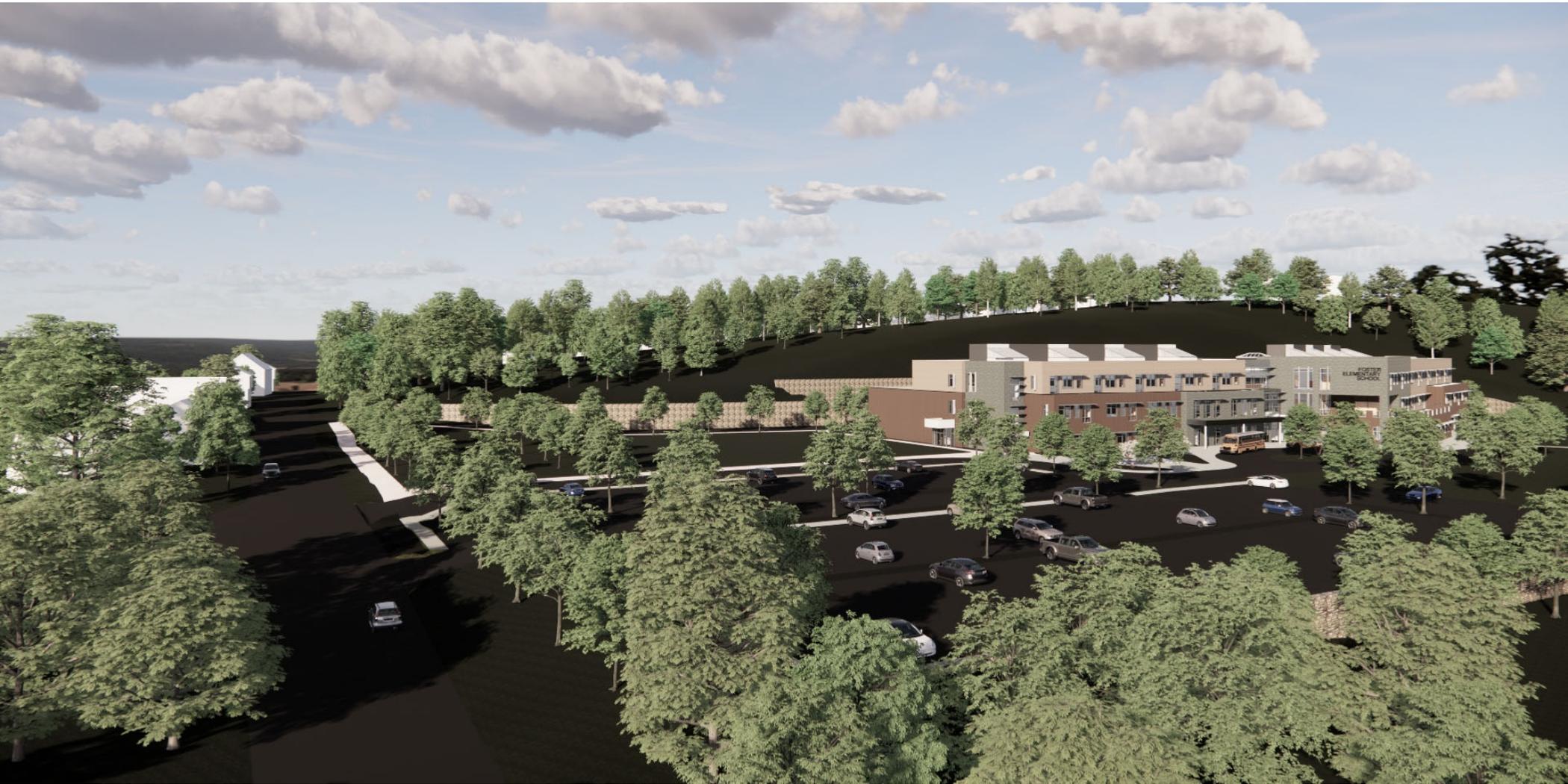
FOSTER ELEMENTARY SCHOOL | VIEW FROM BROAD COVE RD. / LINCOLN ST.



FOSTER ELEMENTARY SCHOOL | MASSING EXPLORATIONS



FOSTER ELEMENTARY SCHOOL | MASSING EXPLORATIONS



FOSTER ELEMENTARY SCHOOL | MASSING EXPLORATIONS



FOSTER ELEMENTARY SCHOOL | MASSING EXPLORATIONS



Downer Avenue

Questions & Comments