



ARROWSTREET

SQUANTUM SCHOOL

COMMUNITY MEETING

QUINCY, MA
17 JANUARY 2023

PREPARED FOR

CITY OF QUINCY / MAYOR THOMAS P. KOCH
QUINCY PUBLIC SCHOOLS / KEVIN W. MULVEY, SUPERINTENDENT



AGENDA /

- 1 INTRODUCTIONS
- 2 COMMUNITY INPUT
- 3 PROJECT SCHEDULE
- 4 PRELIMINARY STUDIES
- 5 PREFERRED SCHEME

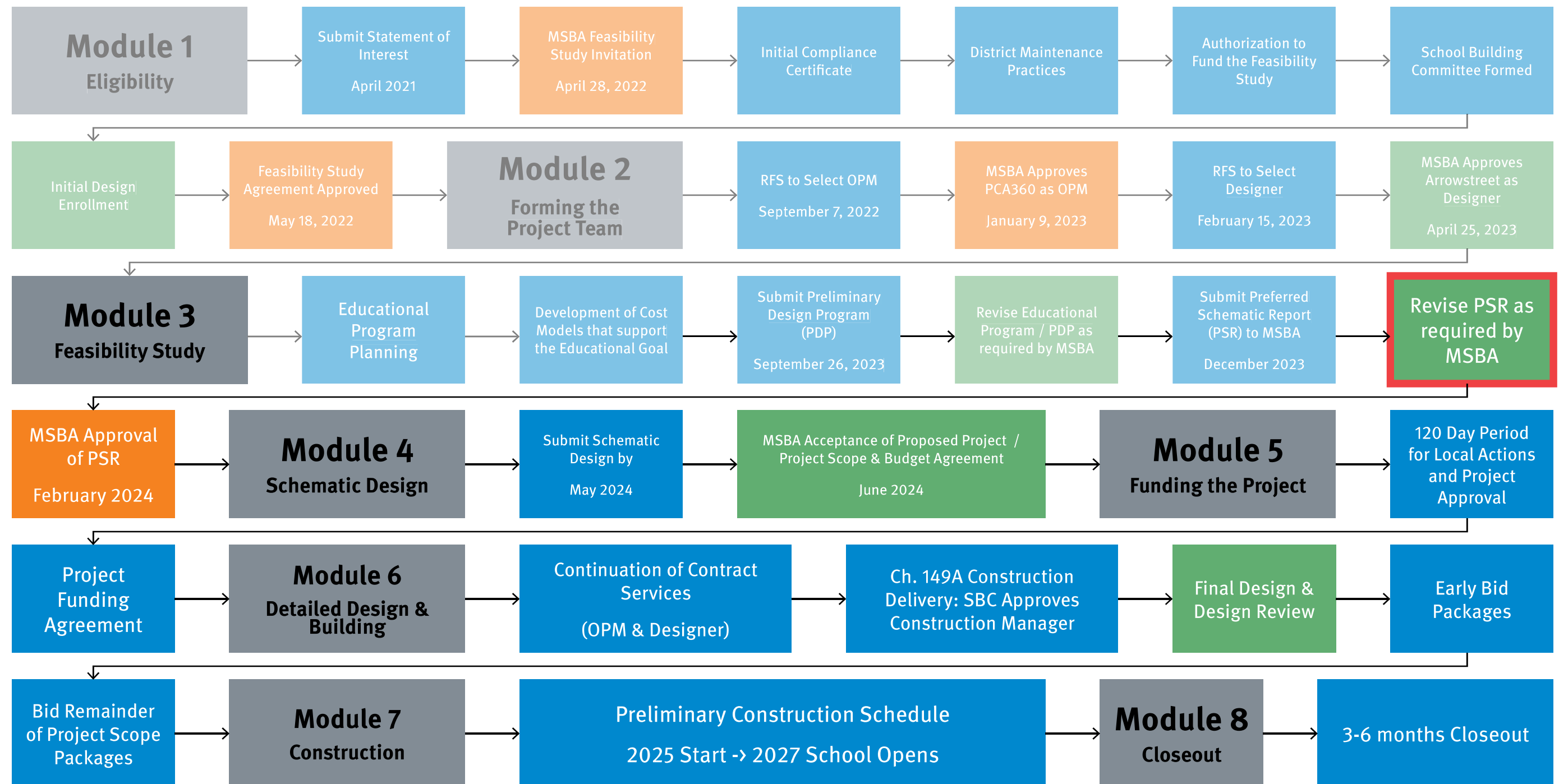
What is your favorite memory of the Squantum School?

BOOK_ABOUT_THE_SQUANTUM_SCHOOL
GREAT_PLACE_TO_WORK
PLAYING_IN_THE_GYM
MY_GRANDCHILDREN
RENOVATING_THE_NEW_PLAYGROUND
GREAT_PROGRAMS JULY_4TH_PARADE GREAT_TEACHERS
BASEBALL_GAMES MY_CHILDREN SMALL_HOMETOWN-FEEL
PLAYGROUND VOTING
GREAT SCHOOL HALLOWEEN
FIRST_DAY_OF_SCHOOL
FIELD-GAMES SQUANTUM GREAT_SUPPORT
BUILDING_THE_OUTDOOR_CLASSROOM
MY_FAMILY ATTENDING_SQUANTUM
MEETING_MY_LIFELONG_FRIENDS
GREETING_STUDENTS_IN_THE_MORNING

What are your hopes for the future of the Squantum School?

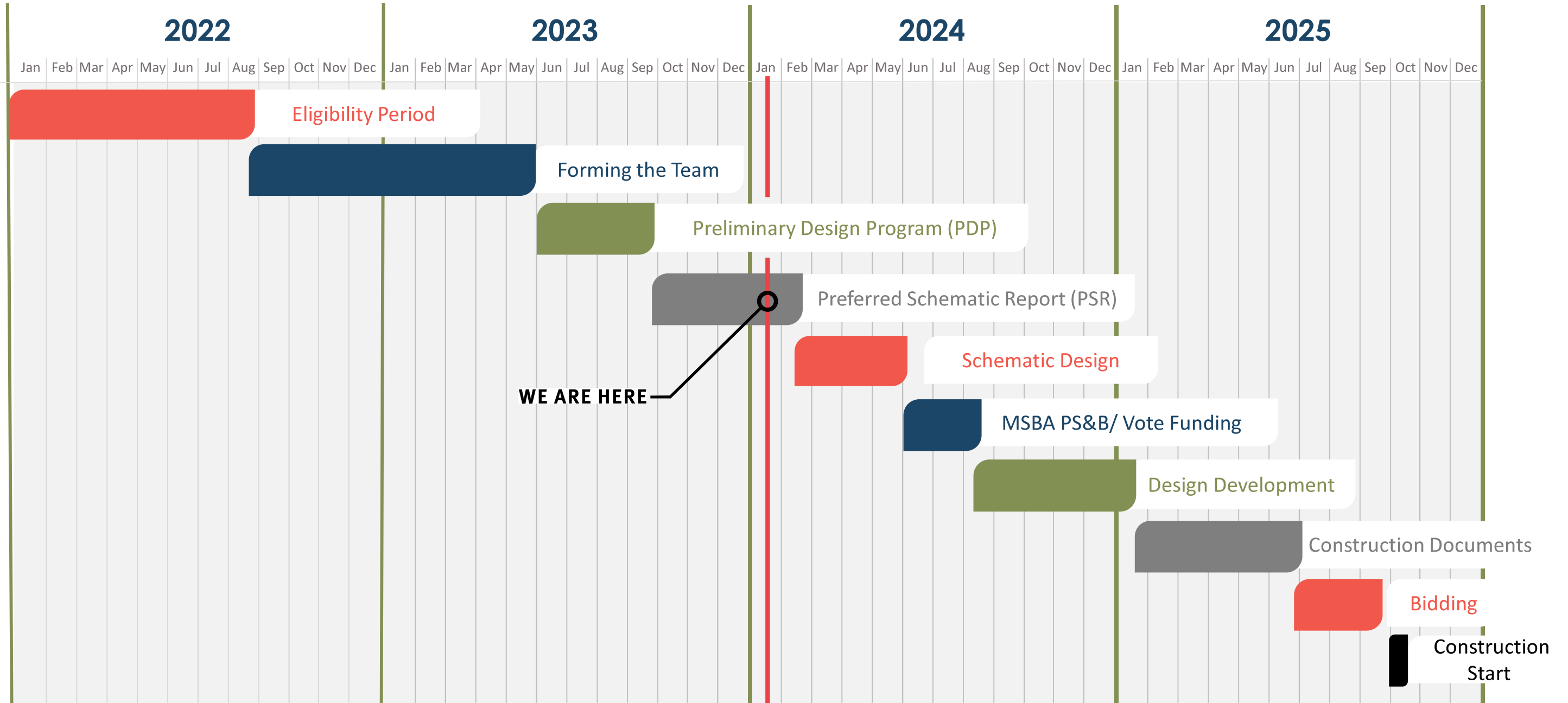
ZERO_CARBON_FOOTPRINT
SAVE_THE_PLAYGROUND
RETAIN_FIELDS PRESERVE_GREEN_SPACE
NET-ZERO-ENERGY LOCAL_MATERIALS GREEN_SPACE/GARDEN
TEACHER_INPUT AIR_CONDITIONING
OFF-STREET HISTORY BEAUTIFUL_SCHOOL SQUANTO
ACCESSIBLE NAUTICAL_THEMES
SCHOOL_DESIGNED_FOR_TEACHERS_AND_STUDENTS
LANDSCAPE KEEP DEDICATED_GYM
STATE-OF-THE-ART_BUILDING
CAFETERIA ROOM KEEP_THE_FIELDS
AUDITORIUM SUSTAINABLE 1919_STRUCTURE
SPACE FUNCTION_SCHOOL ART GREEN LEED-CERTIFIED
IMPROVE_TRAFFIC COMMUNITY_INPUT
COMMUNITY_BASE PLAYGROUND
COMMUNITY TOP-NOTCH_SCHOOL SAFE_PLACE
TRAFFIC_IMPROVEMENTS COMMUNAL_SPACES PARKING
NOT_TOO_MODERN
KEEP_SQUANTO_MEDALLION
KEEP_THE_TREES_AND_TIME_CAPSULES

MSBA / Project Timeline by Module

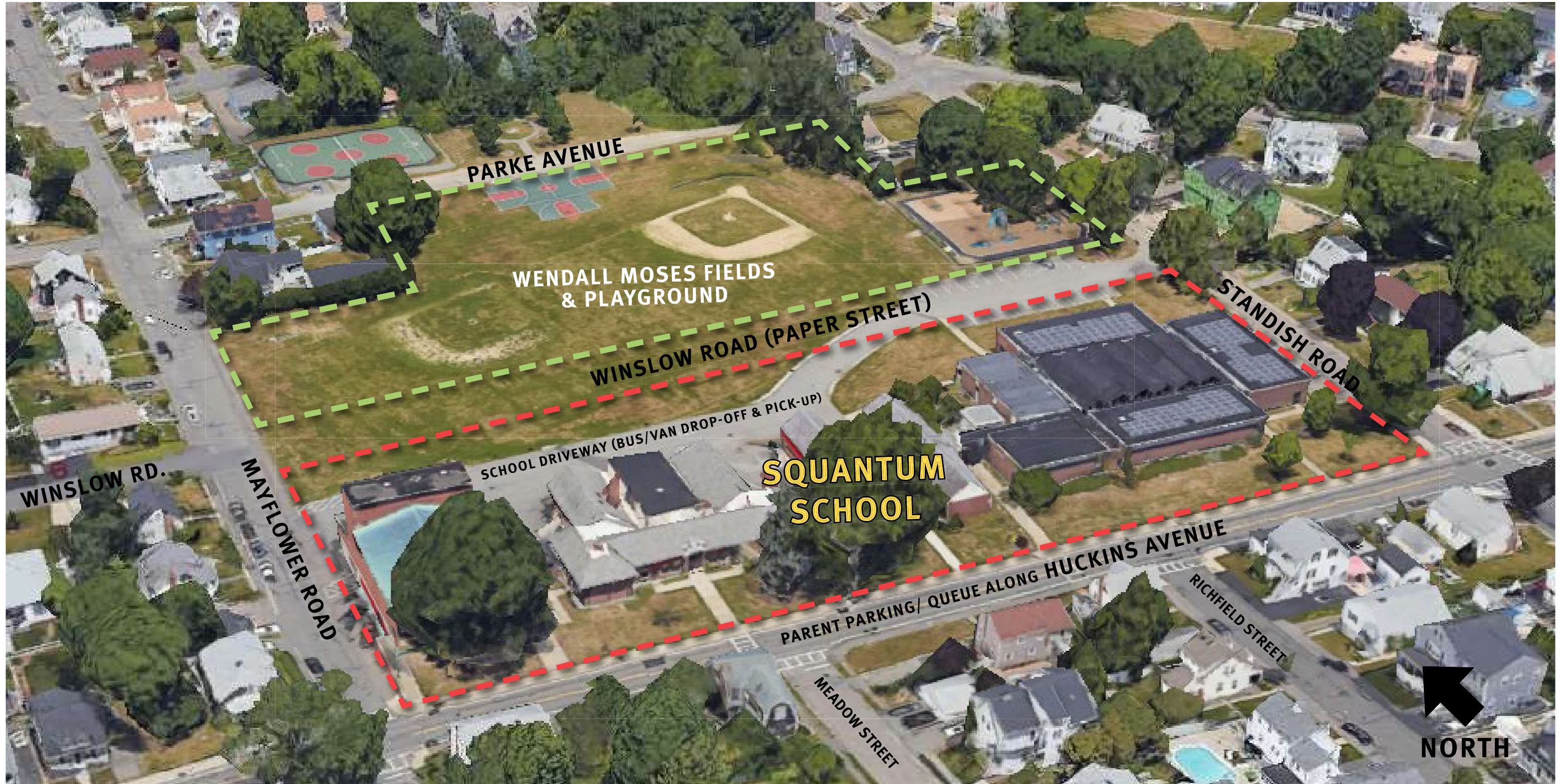




Forecasted Project Timeline



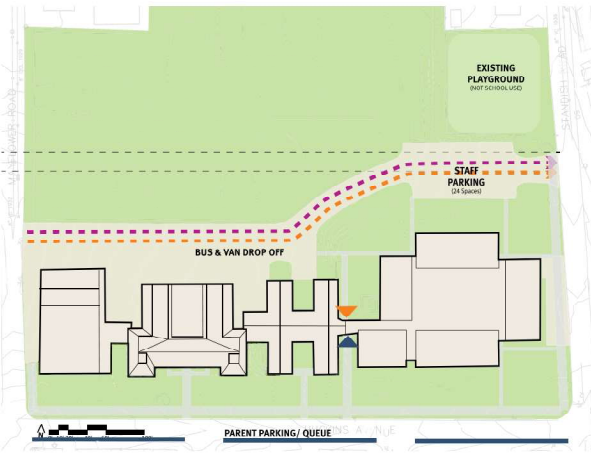
Existing Site



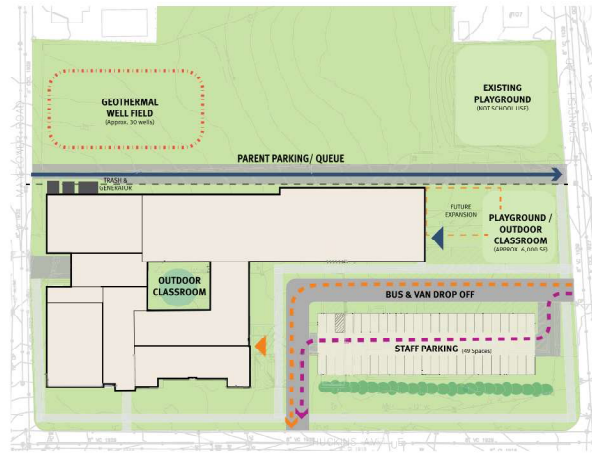
DESIGN OPTIONS / Studies and iterations throughout the Feasibility Study process

SITE PLAN

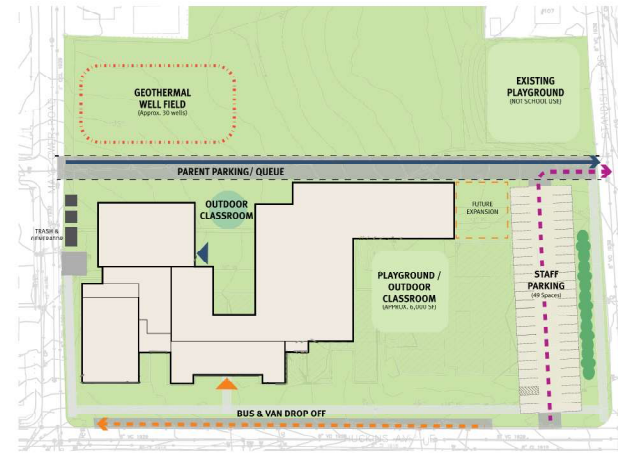
A.1 - BASE REPAIR



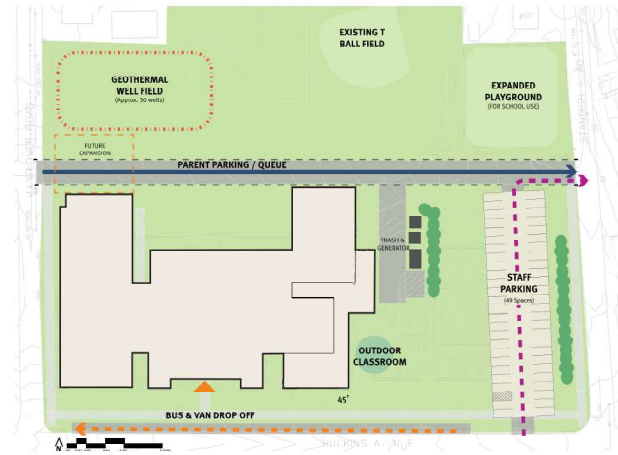
B.1 - ADD/ RENO



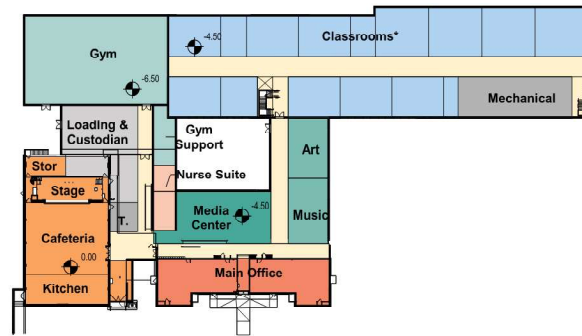
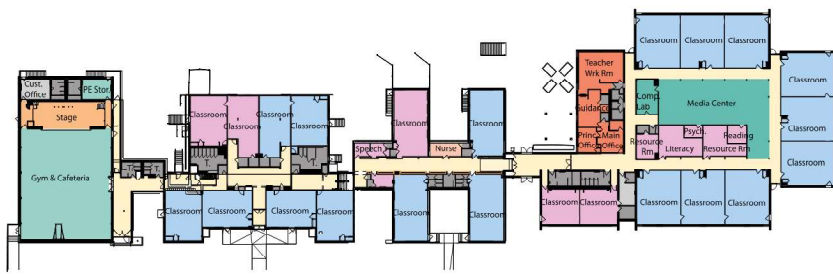
B.2 - ADD/ RENO



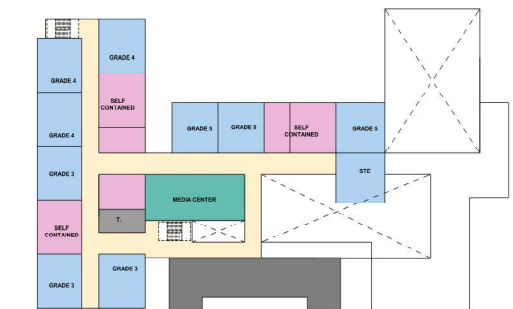
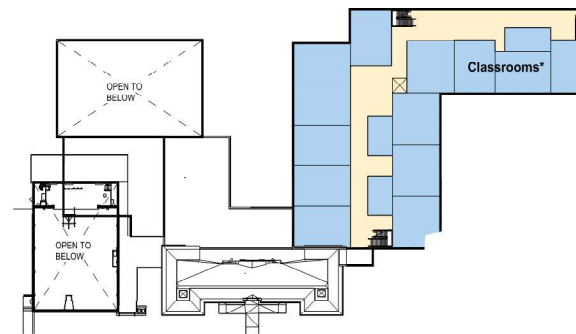
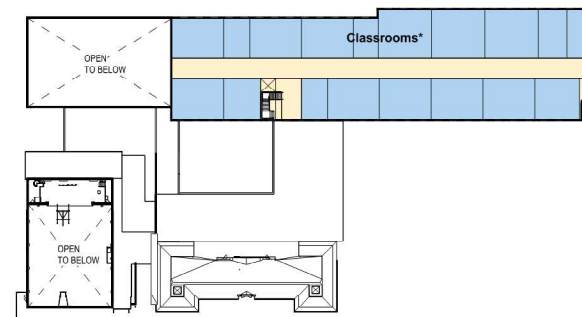
C.1 & C.1A - ADD/ RENO



FIRST FLOOR



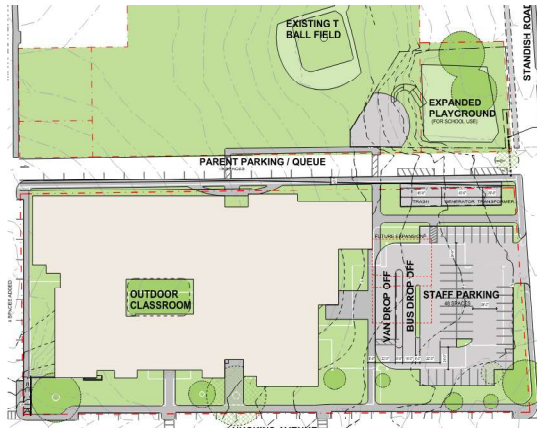
SECOND FLOOR



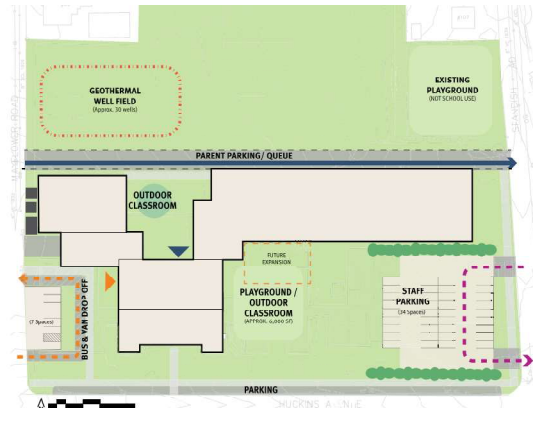
DESIGN OPTIONS / Studies and iterations throughout the Feasibility Study process

SITE PLAN

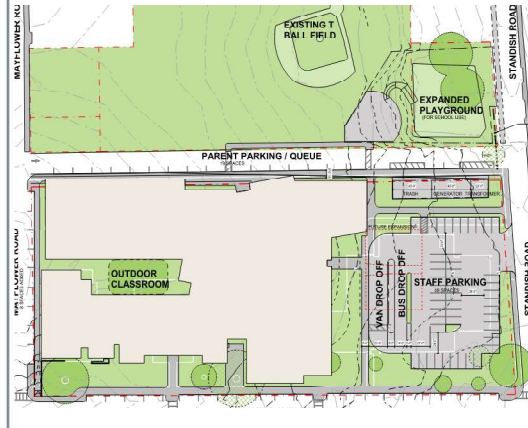
C.2 - ADD/ RENO



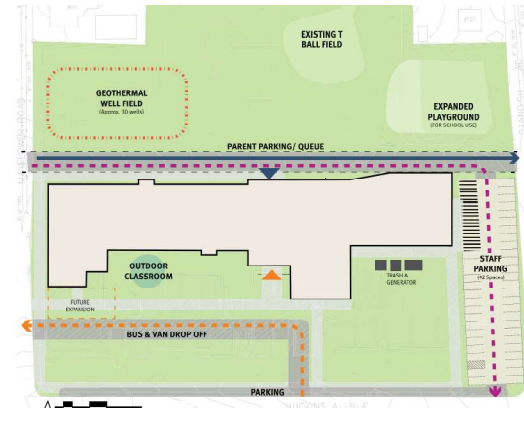
C.3 - ADD/ RENO



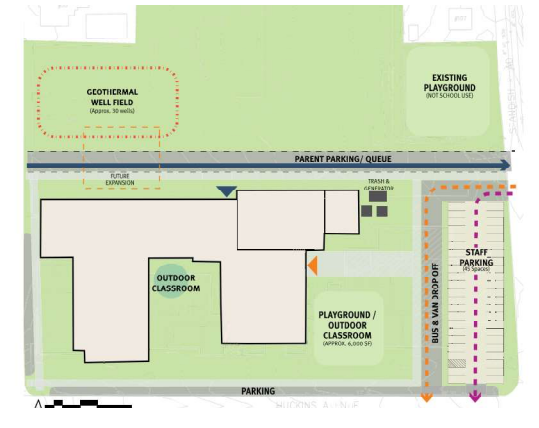
C.4 - ADD/ RENO



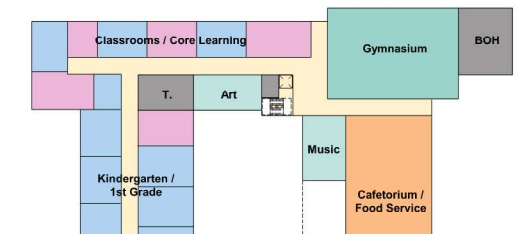
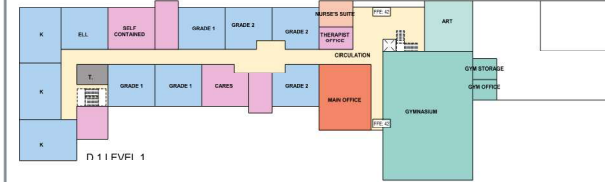
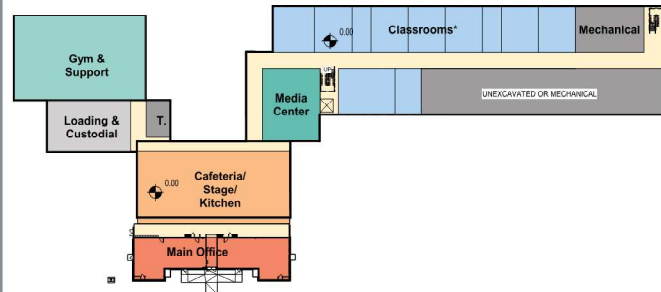
D.1 - NEW CONSTRUCTION



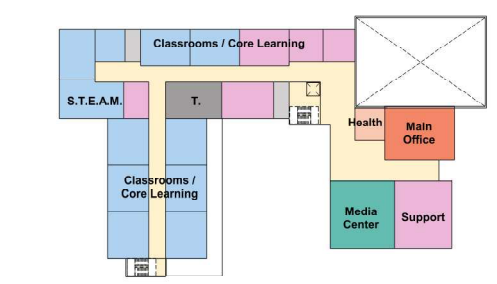
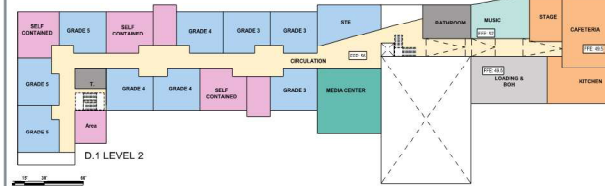
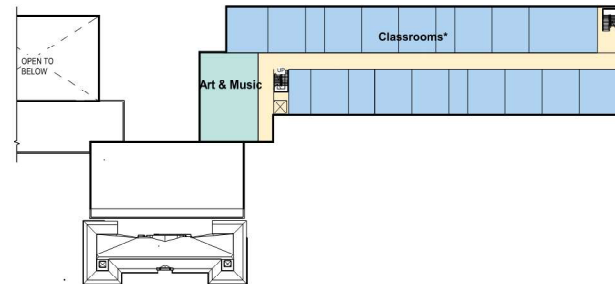
D.2 - NEW CONSTRUCTION



FIRST FLOOR



SECOND FLOOR



Design Options / Further Studies



ADDITION & RENOVATION OPTION



NEW CONSTRUCTION OPTION

Design Options / Further Studies / Evaluation



ADDITION & RENOVATION OPTION

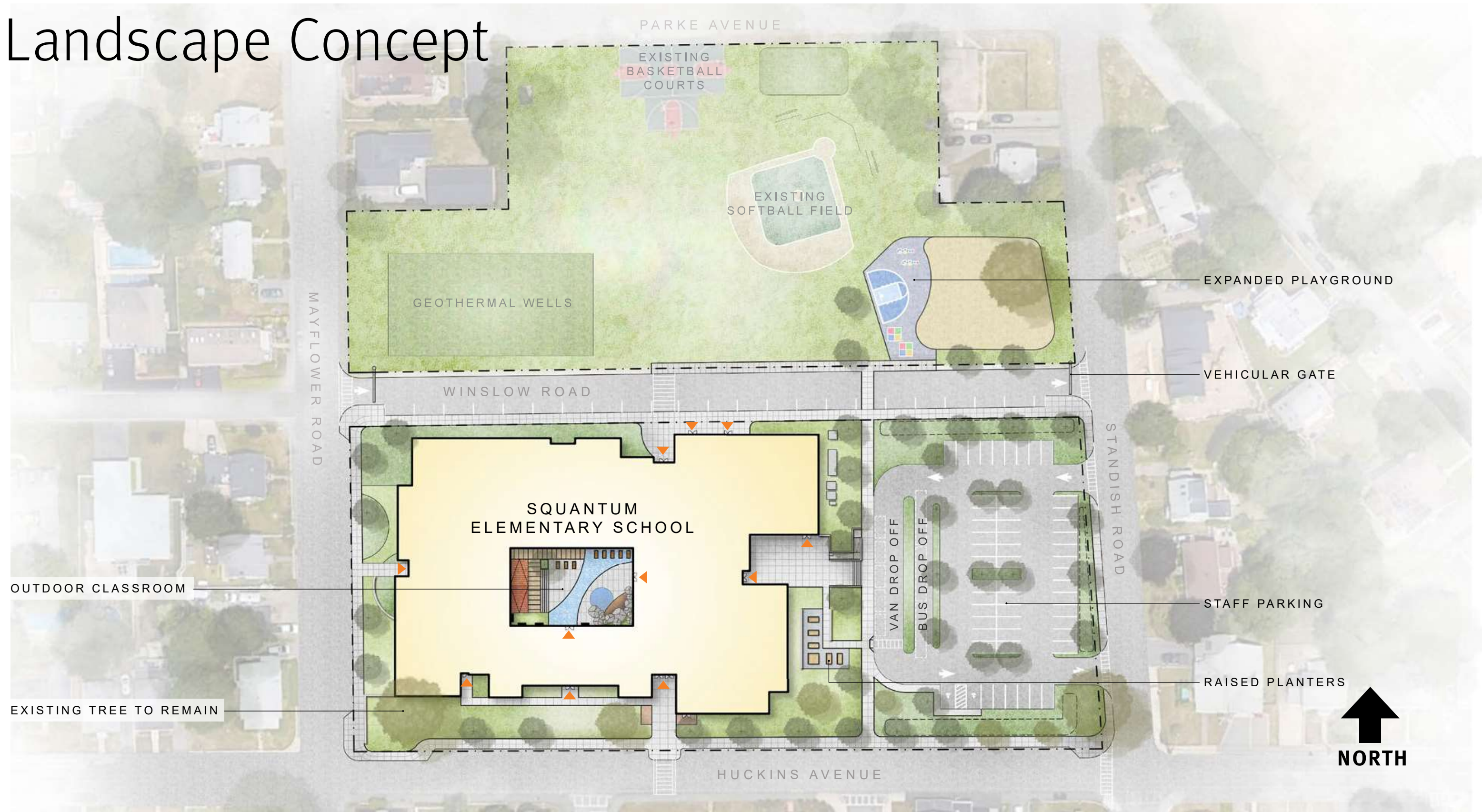


NEW CONSTRUCTION OPTION

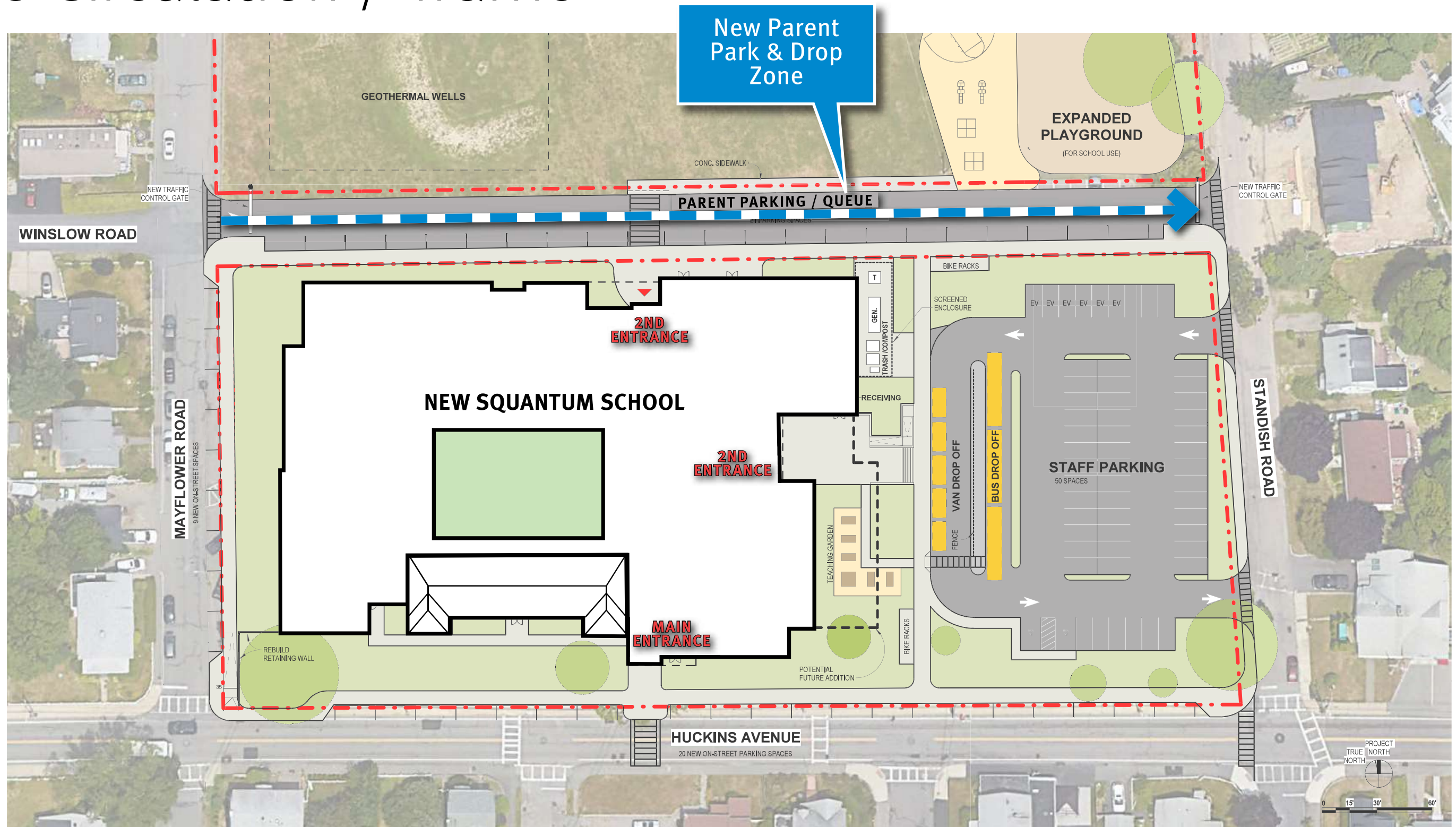
OPTIONS EVALUATION CRITERIA:

- Educational Program
- Traffic, Pedestrian and Site
- Construction Phasing
- Community and Security
- Sustainability

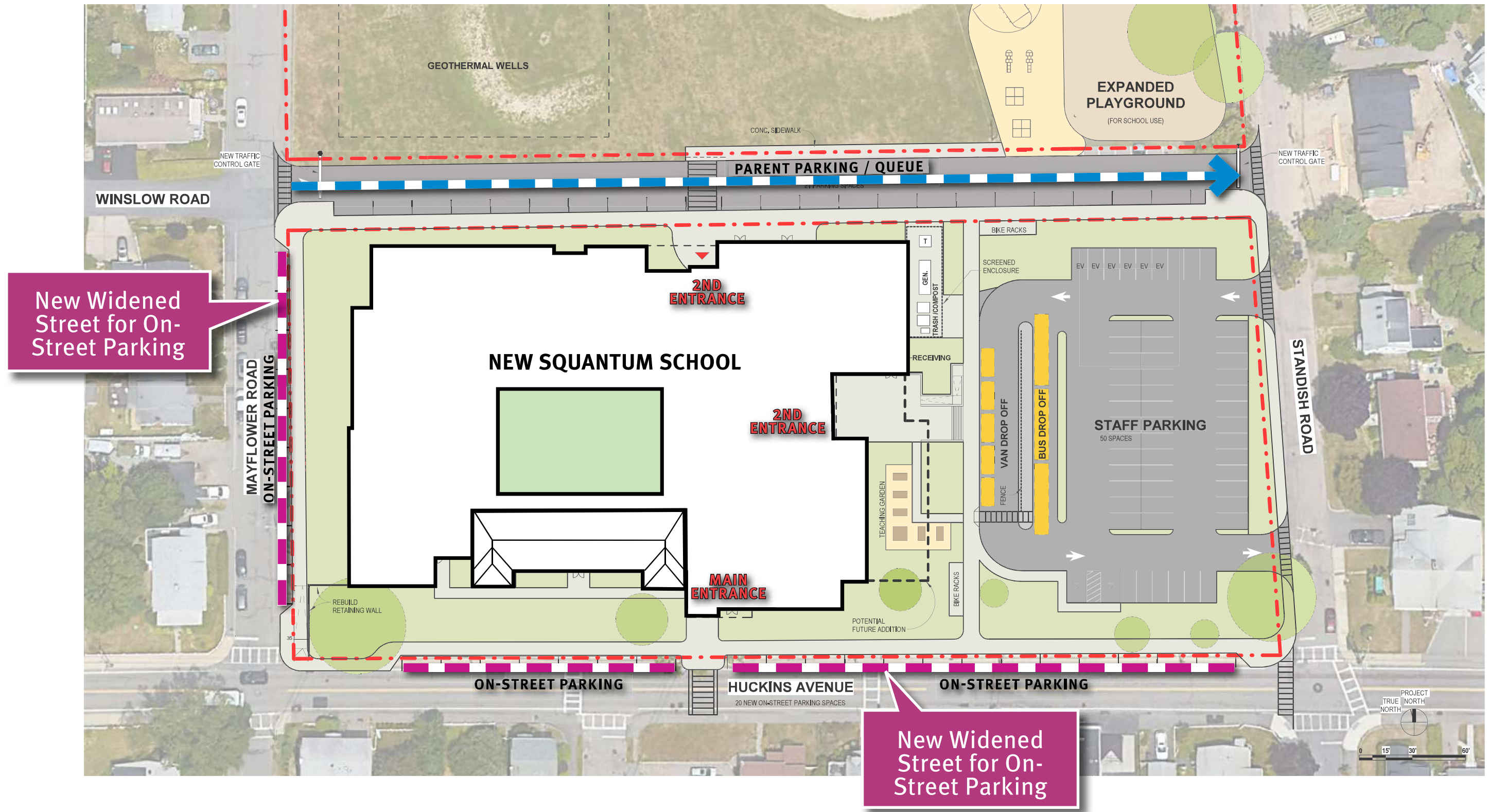
Landscape Concept



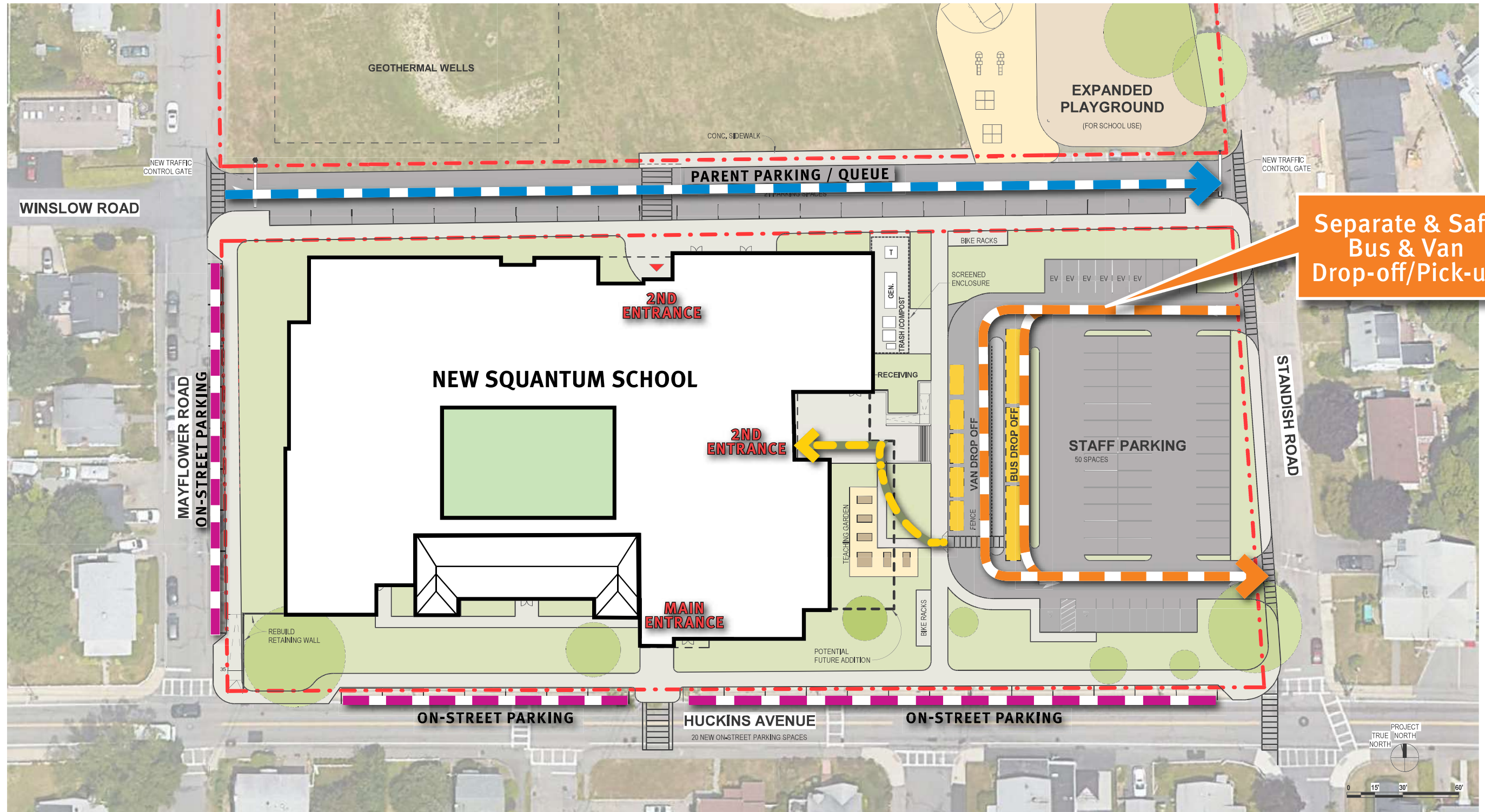
Site Circulation / Traffic



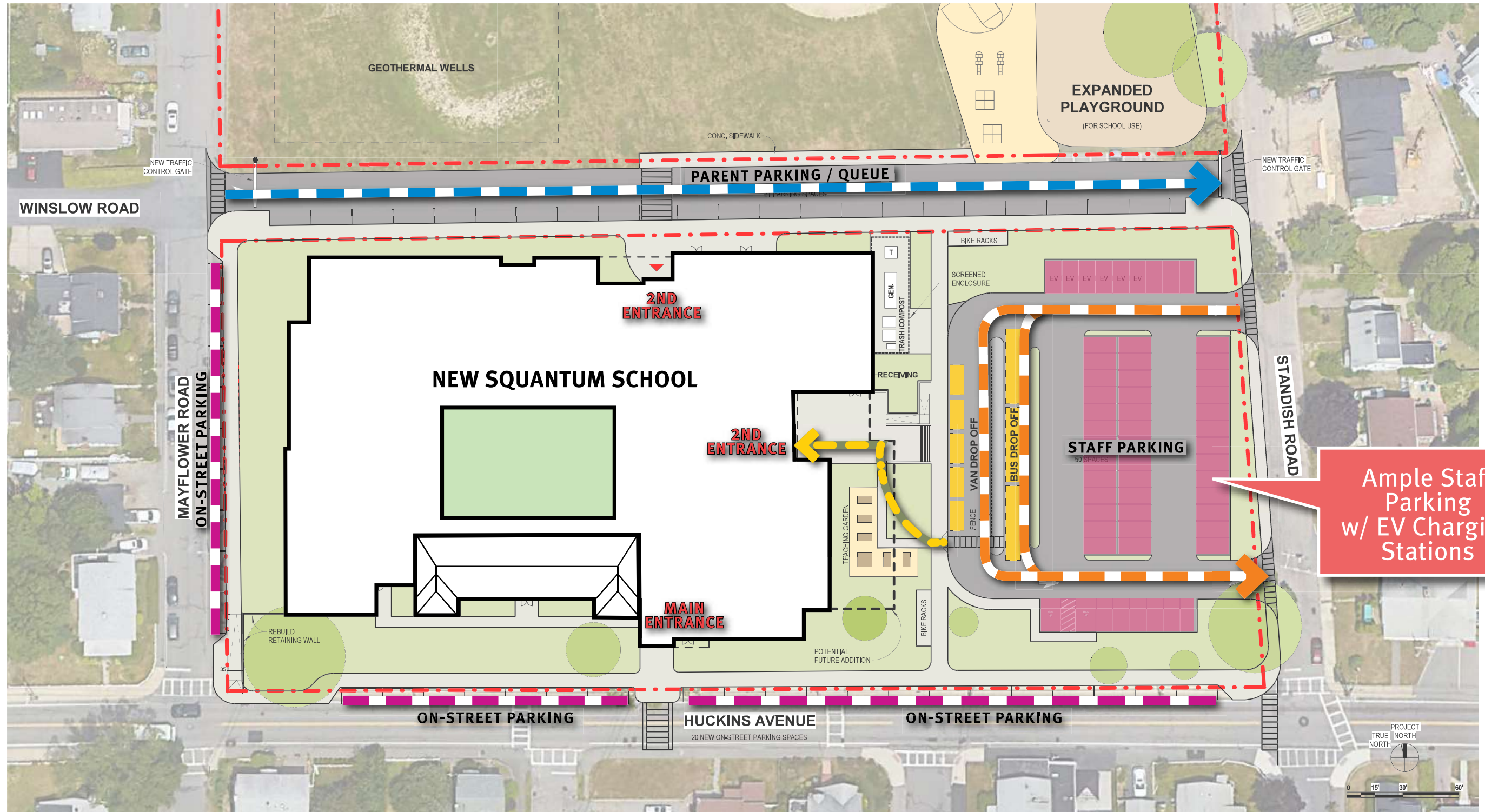
Site Circulation / Traffic



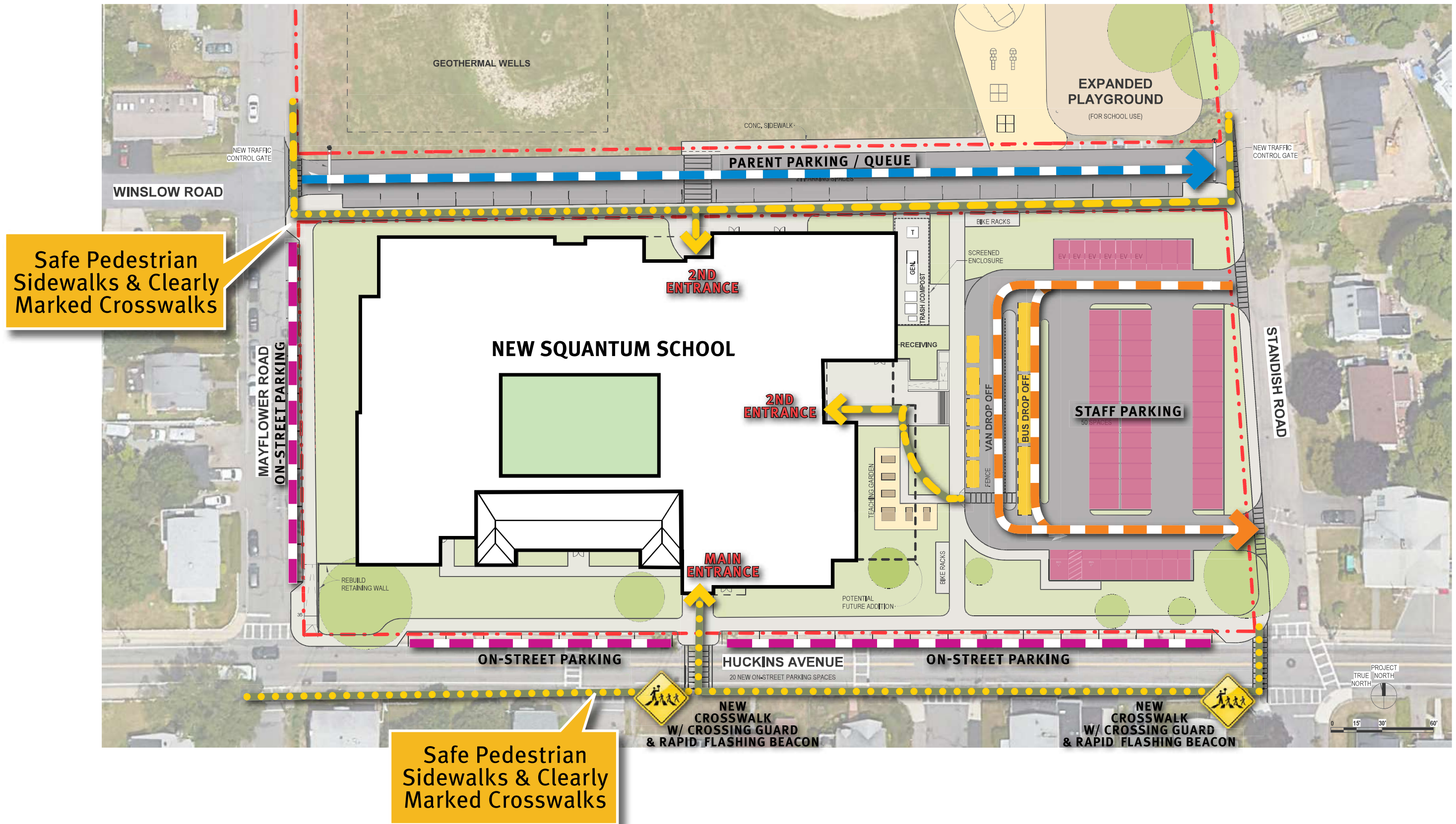
Site Circulation / Traffic



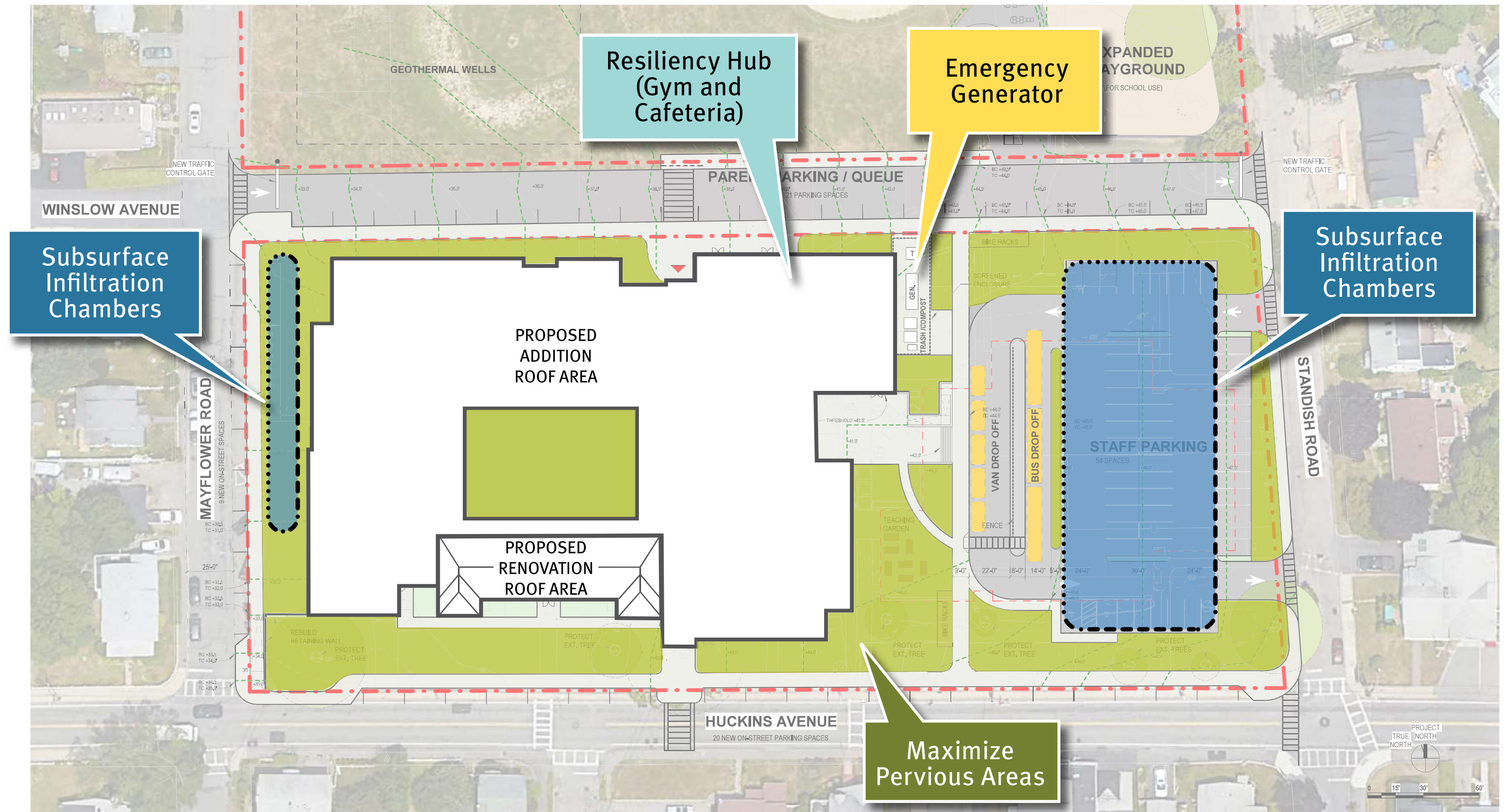
Site Circulation / Traffic



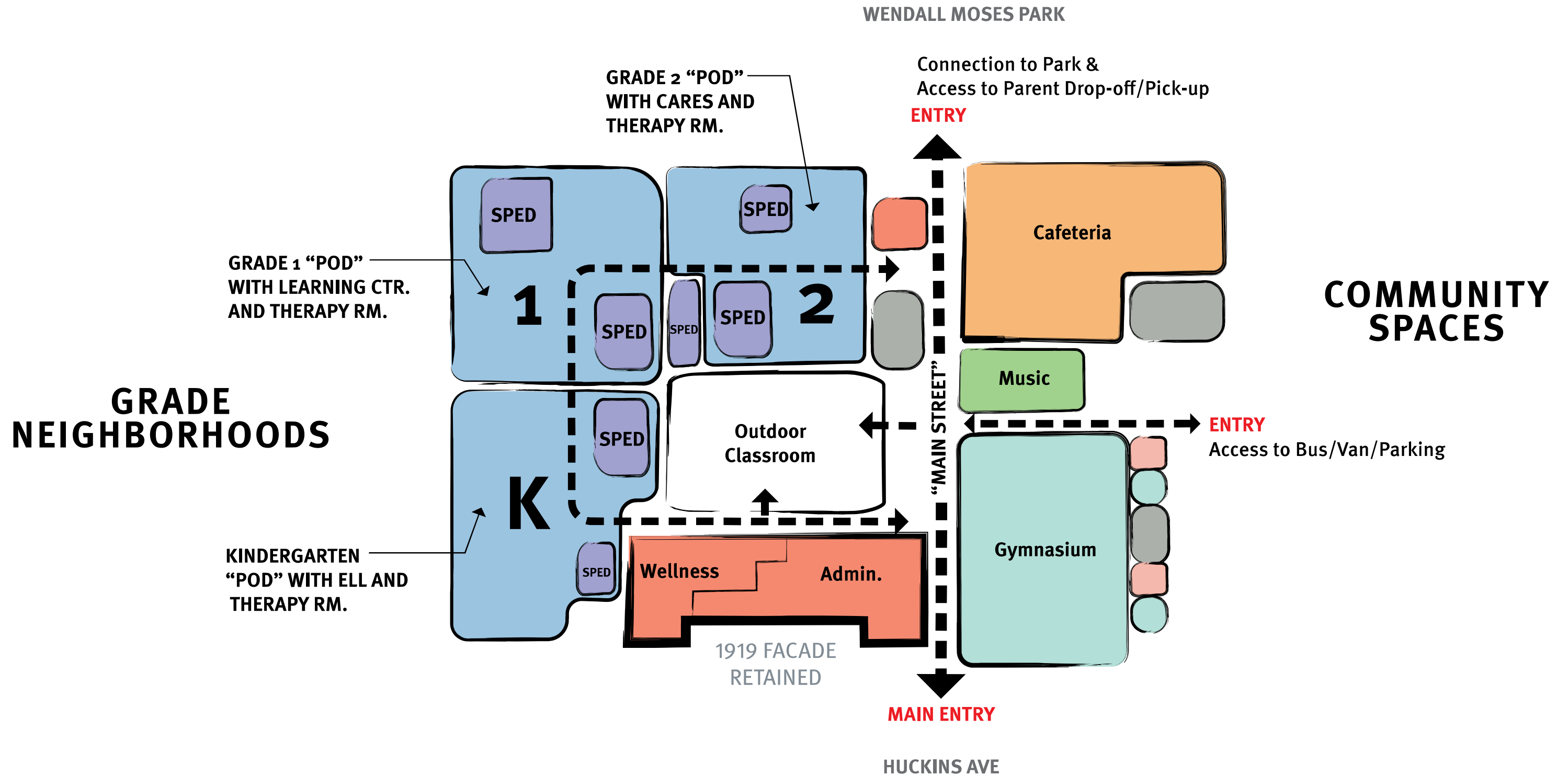
Site Circulation / Traffic



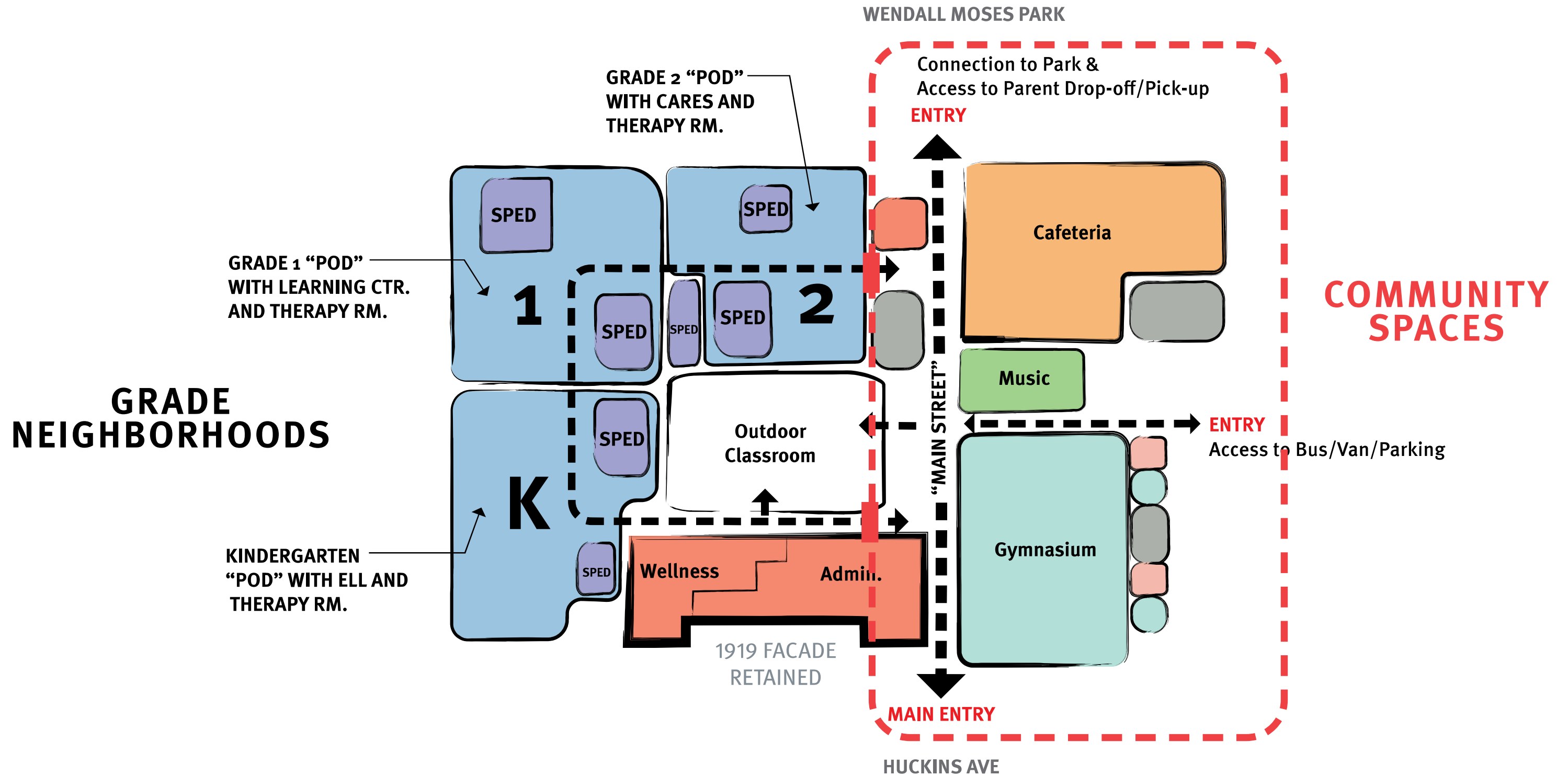
Site Drainage / Resiliency



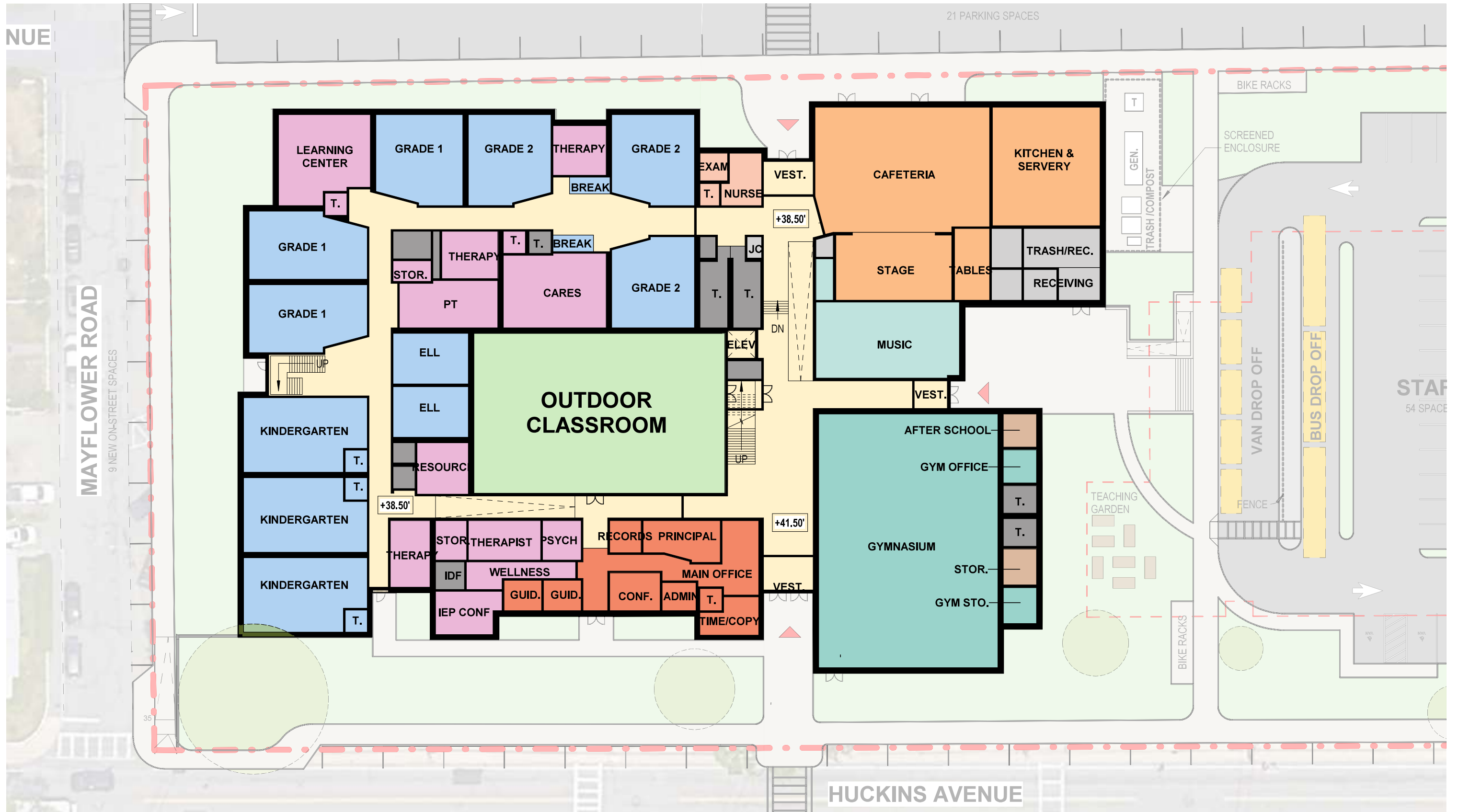
Building Organization / Key Adjacencies



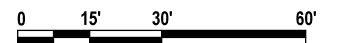
Building Organization / Key Adjacencies



Floor Plan Level One



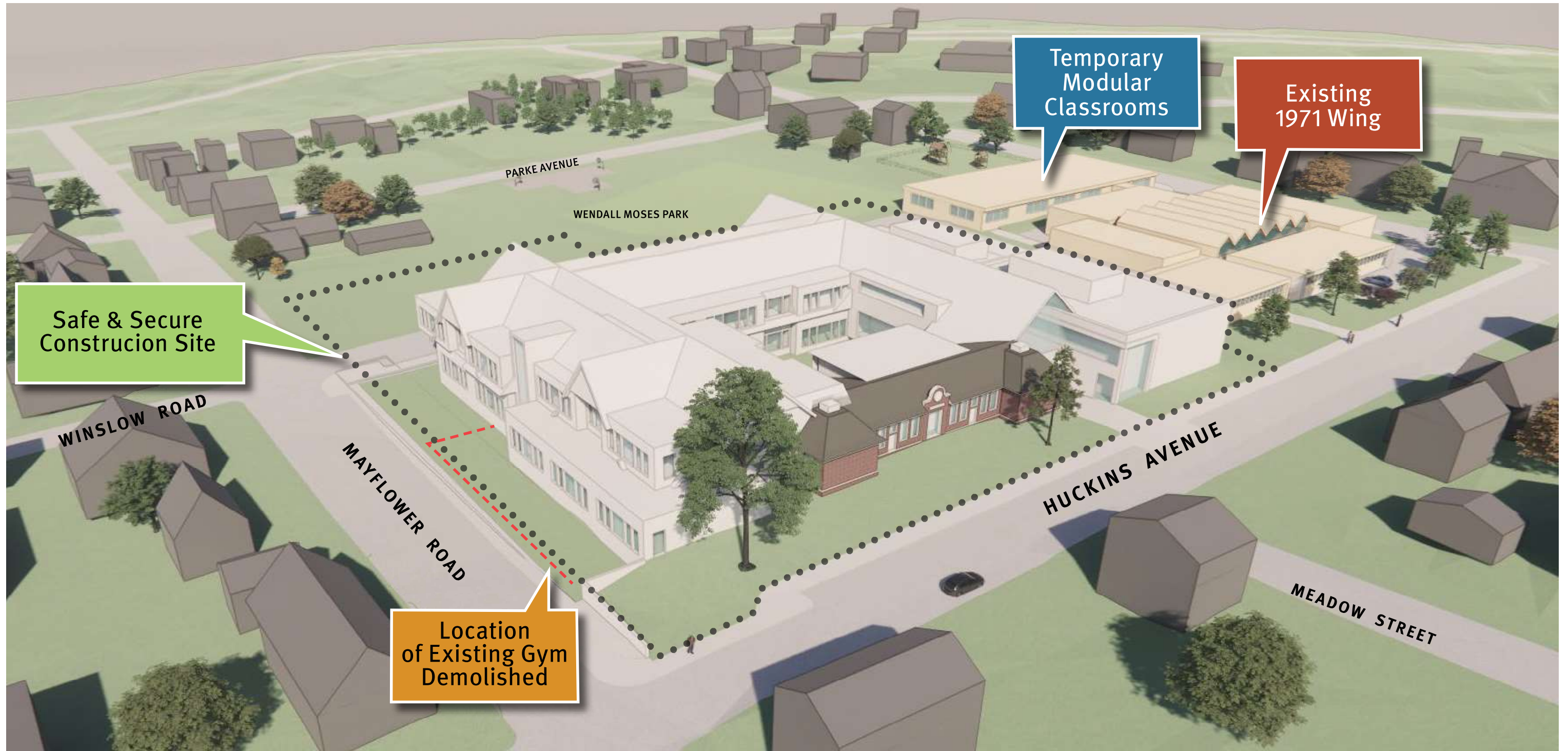
Floor Plan Level Two



Building Exterior Investigations



During Construction



Modular Classrooms

EXTERIOR



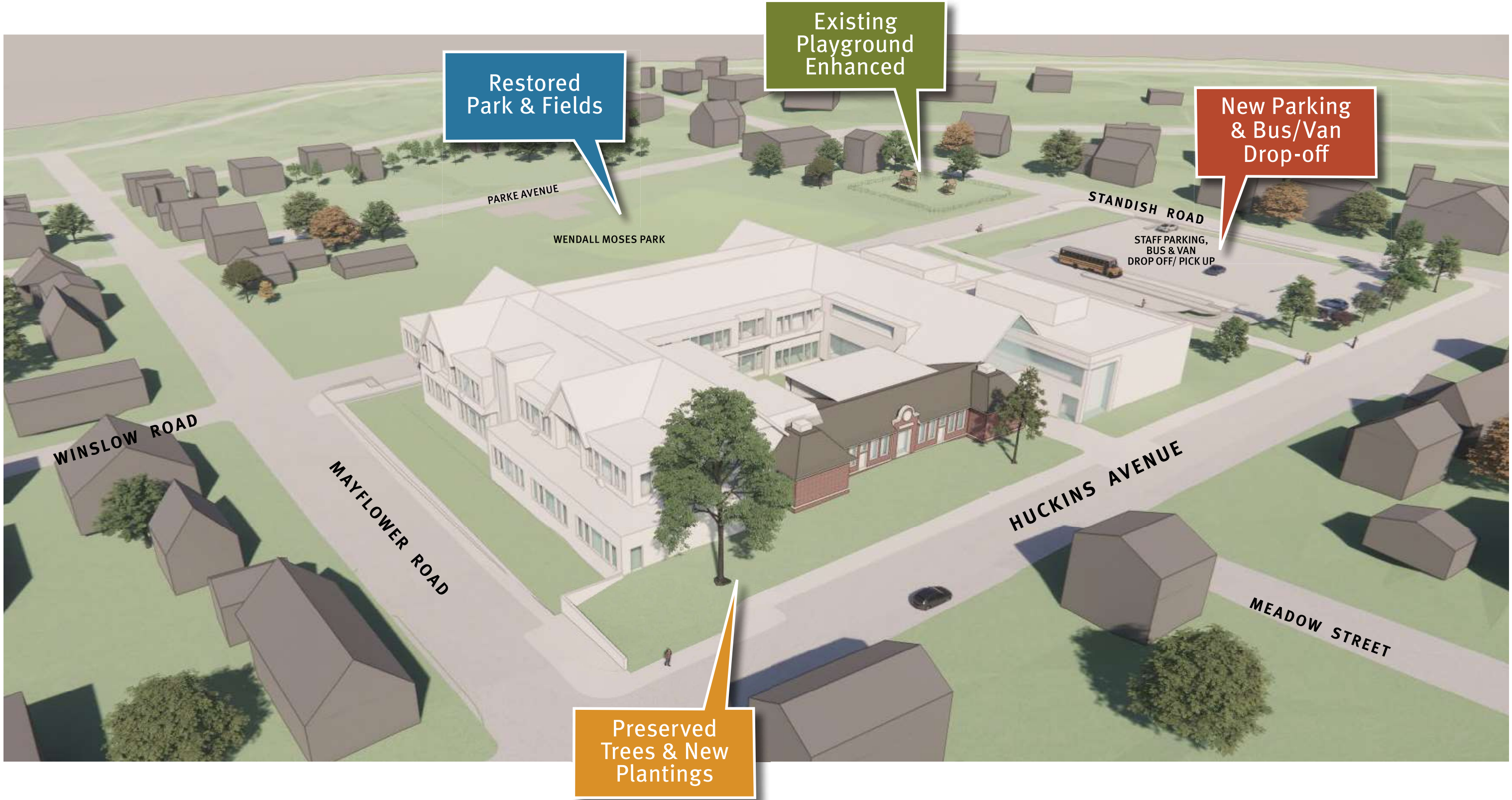
INTERIOR



Teachers and Parents toured modular classrooms

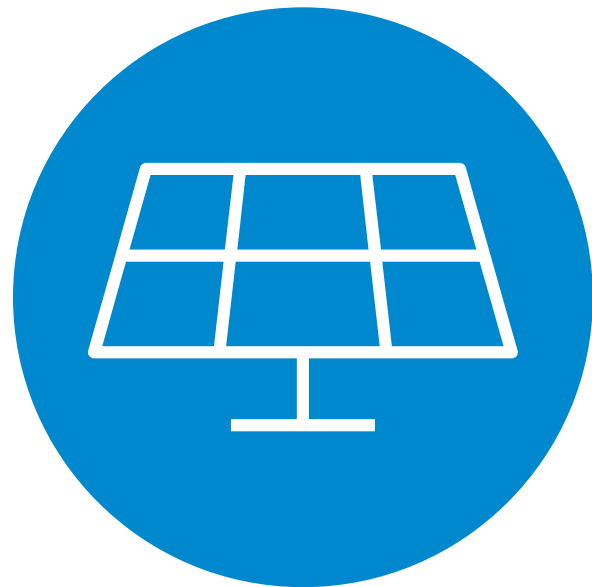
- The modular classrooms were spacious, bright, and airy.
- Rooms are well-lit, well-ventilated.
- Clean, comfortable, and safe learning environment.
- Exceeded expectations in terms of being a viable option during construction phase.

After Construction



Sustainability

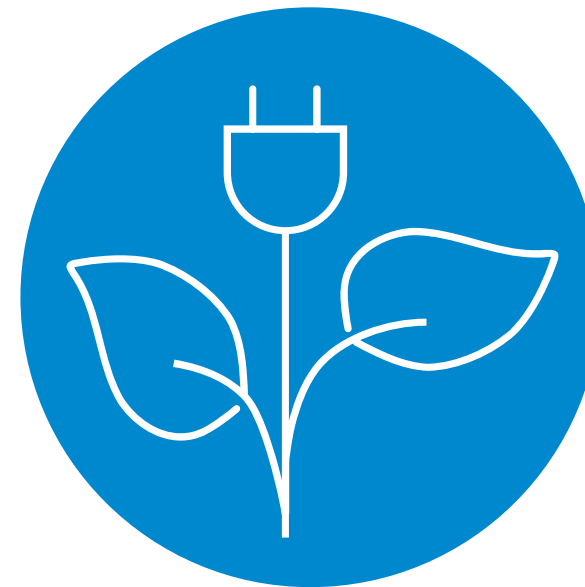
- Targeting an additional 4% reimbursement for MSBA Green Schools Program
- Goals identified for the project:
 - Equity and Universal Design
 - Healthy indoor environment
 - Connection with nature
 - Low energy use building



**SOLAR PHOTOVOLTAIC
ARRAY**



**GEOTHERMAL/
GROUNDSOURCE HEAT PUMPS**

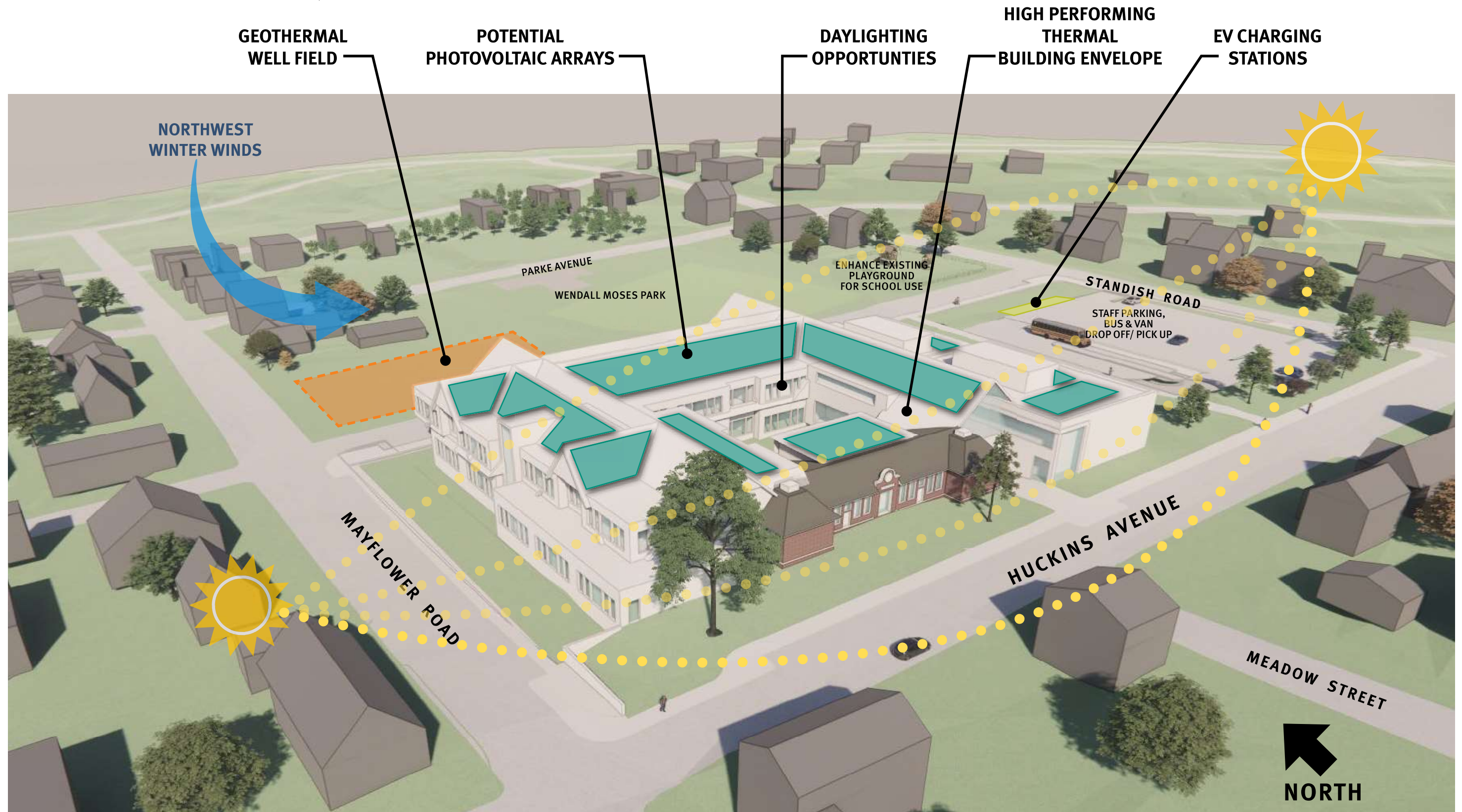


**ALL ELECTRIC
BUILDING**

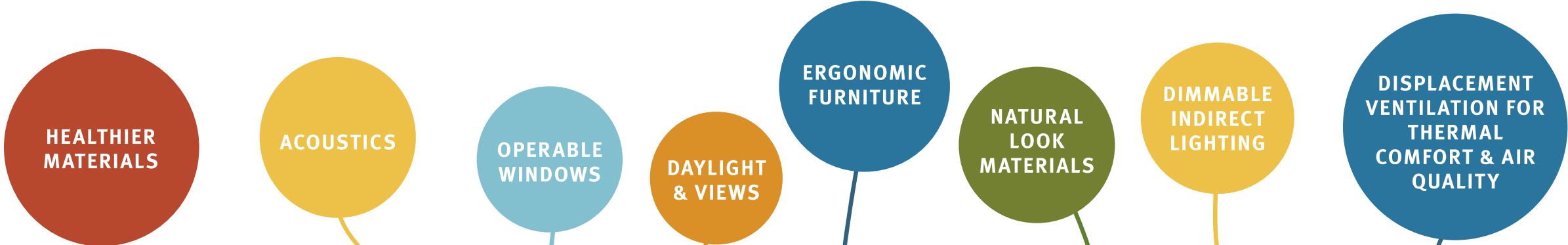


**MASS SAVE &
FEDERAL INCENTIVES**

Sustainability



Healthy Indoor Environment



Healthy Materials

LOW
EMITTING

FLUSHOUT

~~RED LIST~~

~~PFAS~~

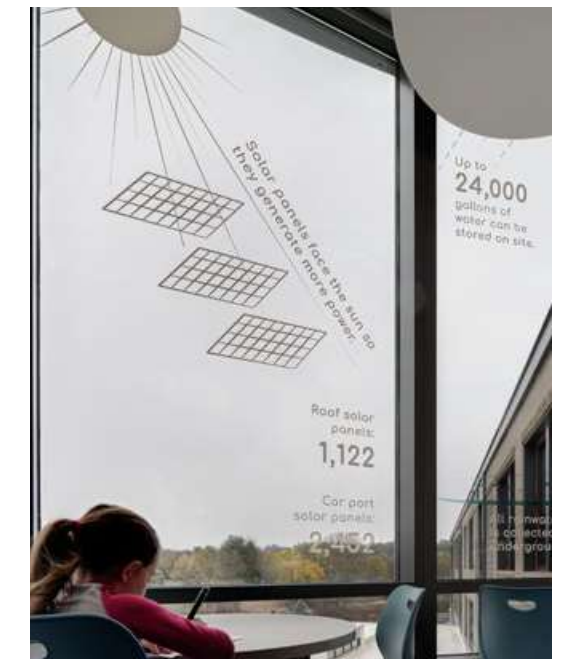
~~FLAME
RETARDANTS~~

~~ANTI-
MICROBIALS~~

~~PHATHALATES~~



Building as a Teaching Tool





THANK YOU!

Squantum School
Project Website:
QR Code



<https://squantumschool.com>