

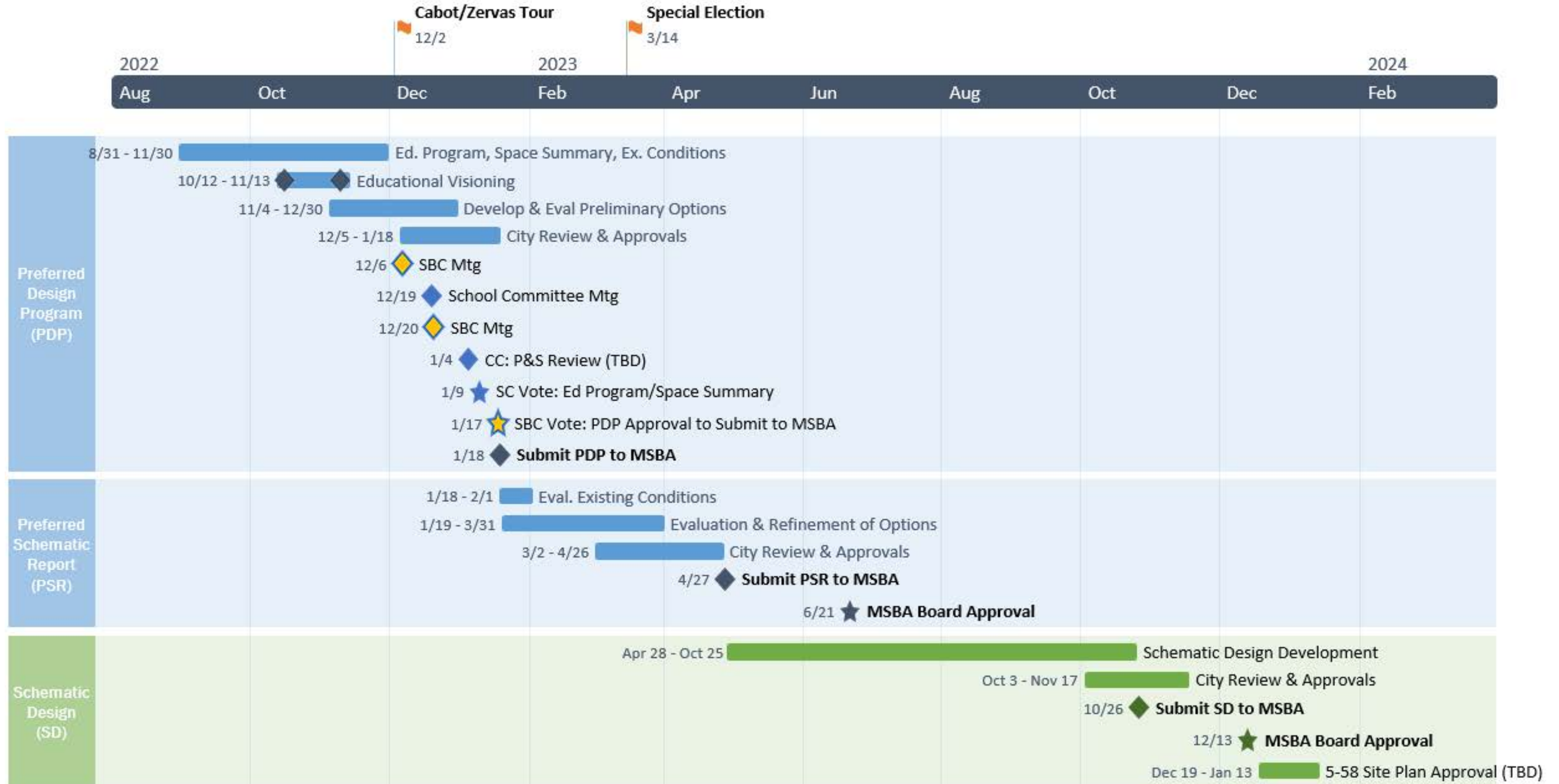


School Building
Committee Meeting

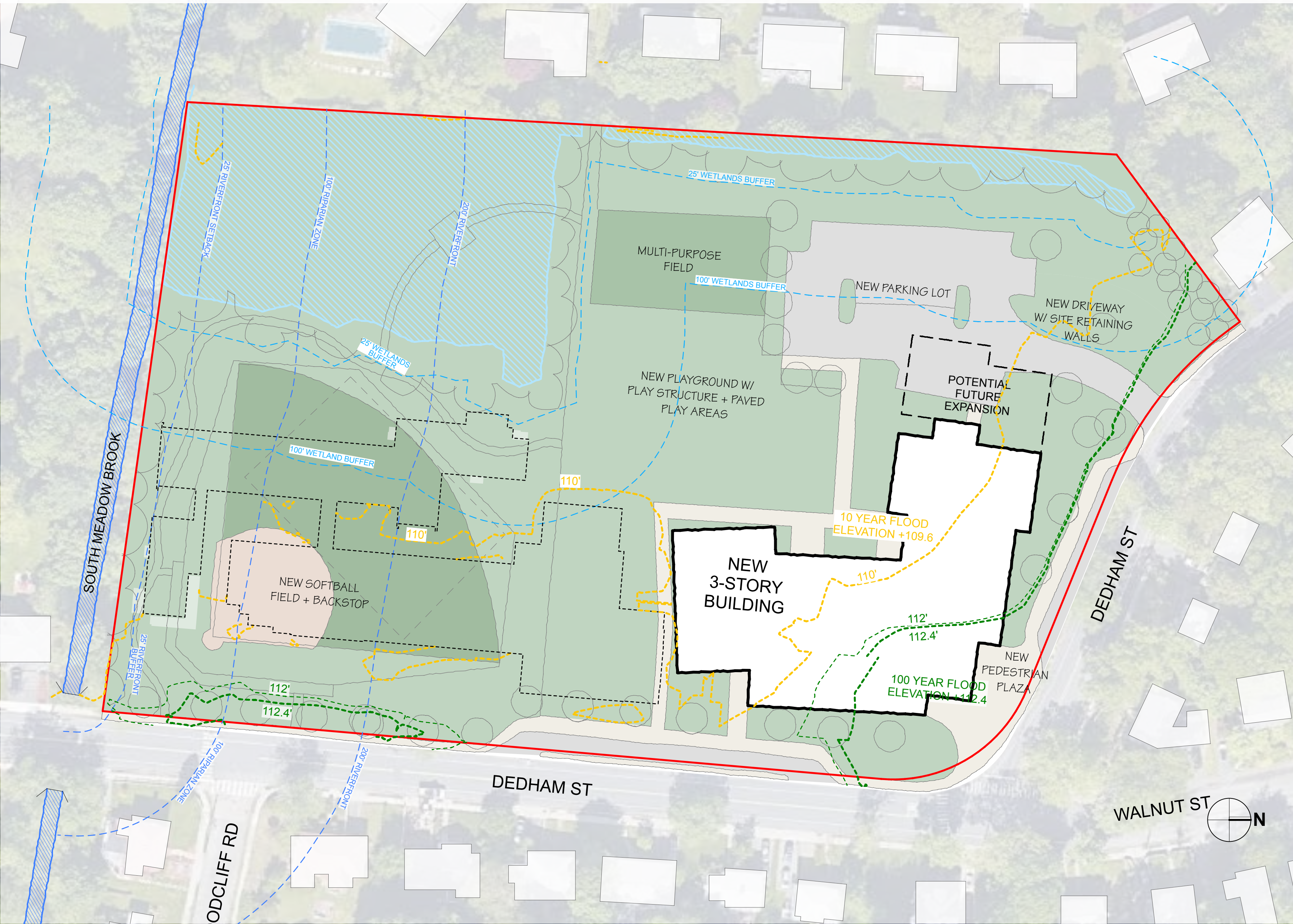
COUNTRYSIDE ELEMENTARY SCHOOL

Newton, MA

Project Timeline/Schedule



Approach 6 | 465 Students | New Construction | 75,500 SF



- Matches building volume within floodplain; may require partial construction on piers
- Building outside 100-ft wetland buffer
- Separate drop off for cars, buses, vans and service
- Site improvements include new playground, fields and parking
- Provides opportunity for occupied site during construction
- Future expansion can only occur on upper floors on piers due to floodplain restrictions
- Meets enrollment projections

Preferred Approach to further study

Approach 6A | Preliminary Location Options



- Entrance to main lobby centrally located between Dedham Street north & south
- First floor same level as main entrance (two entryways)
- Takes advantage of higher ground above 100-yr flood elevation for entry plaza
- Service and loading area access from Dedham Street east - does not require additional fill and retaining walls
- Gym location - direct access to fields and playground
- Construction of new building is approximately 10 feet away from existing building
- Classroom wing has north-south orientation

Approach 6B | Preliminary Location Options



- Entry to main lobby at Dedham Street north and at playground
- First floor split level from main entrance at Dedham Street north (two entryways)
- Entry plaza will require fill within 100-yr flood elevation
- Service and loading area access from Dedham Street north - will require fill and retaining walls
- Gym location - direct access to fields and playground
- Construction of new building is approximately 100 feet away from existing building
- Classroom wing has north-south orientation

Approach 6C | Preliminary Location Options





- Entry to main lobby accessed from interior of site - bus and parent drop-off/pick up is not directly adjacent to the school entrance
- First floor same level as main entrance (one entry way)
- Entire building and entry plaza within 100-yr flood elevation
- Service and loading area access from Dedham Street north - will require fill and retaining walls
- Gym location - direct access to fields and playground
- Construction of new building is over 100 feet away from existing building
- Classroom wing has north-south orientation

Approach 6D | Preliminary Location Options

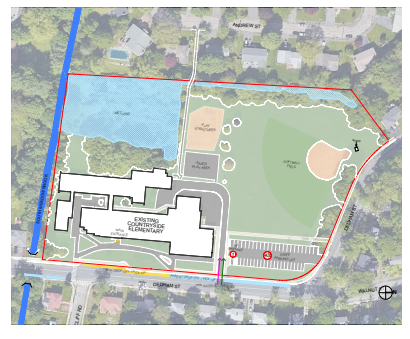
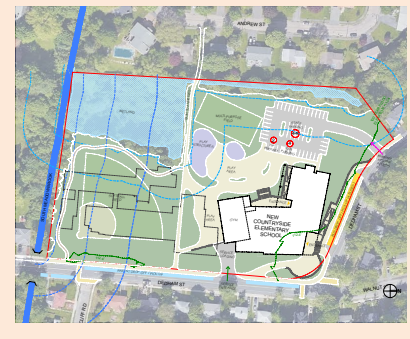





- Entry to main lobby accessed from interior of site - bus and parent drop-off/pick up is not directly adjacent to the school entrance
- First floor same level as main entrance (one entry way)
- Entire building and entry plaza within 100-yr flood elevation
- Service and loading area access from Dedham Street north - will require fill and retaining walls
- Gym location - not adjacent to playground and field, but building can be mirrored for gym adjacent to playground
- Construction of new building is over 100 feet away from existing building
- Classroom wing has east-west orientation

Preliminary Criteria Matrix

COUNTRYSIDE ELEMENTARY SCHOOL — 191 Dedham Street, Newton, MA		Criteria Matrix				
		● Favorable	⊙ Neutral	○ Unfavorable		
		465 STUDENT ENROLLMENT				
		EX	6A	6B	6C	6D
		Existing School at Existing Location	L-SHAPE Northeast Corner	BAR SHAPE North Perimeter	L-SHAPE Northwest Corner	BAR SHAPE Western Perimeter
BUILDING LOCATION EVALUATION CRITERIA MATRIX						
Building and Site Facts						
1	Student enrollment population	372	465	465	465	465
2	Size of site (acres)	7.39	7.39	7.39	7.39	7.39
3	Site Environmental (wetlands, etc.)	2.02	2.02	2.02	2.02	2.02
4	Meets MA Flood Regulations (prereq.)	NO	YES	YES	YES	YES
5	Site usable (acres)	5.37	5.37	5.37	5.37	5.37
6	Building gross square feet (GSF)	56,150	75,500	75,500	75,500	75,500
7	Building Footprint gross square feet (GSF)	39,940 (including modulares)	33,000	33,650	32,000	32,700
8	Building volume within 100-year Flood Elevation (cubic feet) (Assumes standard foundation w/ slab on grade - for comparison purposes, no construction on piers)	84,097	73,600±	78,750±	99,700±	117,300±
9	Site improvements/developed area (SF)	193,060	200,000	199,350	201,000	200,300
10	Distance from wetland - 25 ft "No Disturb" zone (closest part of bldg in feet)	0	175	15	25	20
11	Building inside 100' wetland buffer	YES	NO	YES	YES	YES
12	Staff Parking Spaces	43	46	43	43	44
13	HP Parking Spaces	1	2	2	2	2
14	Van Parking Spaces	3	4	4	4	4
15	Bus Drop-off/Pick-up zone number of buses accommodated	2 + 2 onstreet	4	4	4	4
Cost and Schedule						
1	Project Cost, \$million					
2	Allows students to move in to new school Fall 2027		●	●	●	●
3	Requires swing space		●	●	●	●
4	Maintains standard site plan approval schedule		●	●	●	●
Educational						
1	Provides flexibility for future growth (construction on piers)		●	●	●	⊙
2	Provides flexibility for educational innovations / pedagogy		●	●	●	●
3	Optimizes configuration and adjacency of teaching spaces		●	●	●	●
4	Provides outdoor learning opportunities		●	●	●	●
5	Allows for efficient program design layout		●	●	●	●
6	Minimizes existing school disruption		⊙	●	●	●
Safety & Security						
1	Optimizes safety and efficiency of on-site bus and van drop off		●	●	●	●
2	Separates safe circulation of bus, vehicle, pedestrian and bike access		●	●	●	●
3	Improves off site traffic impact		●	●	●	●
4	Optimizes site for safe pedestrian and bike access		●	●	⊙	⊙
5	Optimizes safe building access		●	●	○	○

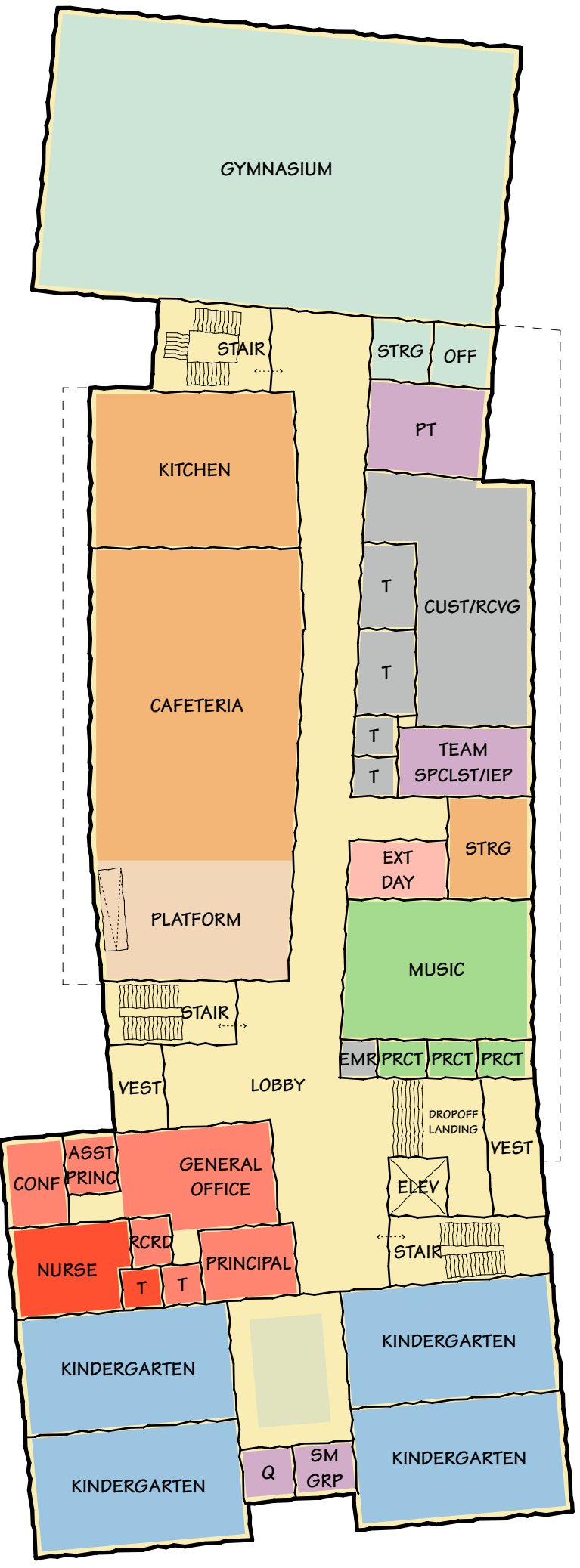
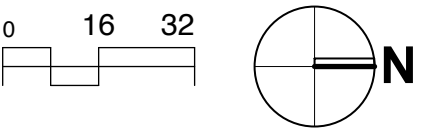
Preliminary Criteria Matrix

BUILDING LOCATION EVALUATION CRITERIA MATRIX		465 STUDENT ENROLLMENT				
		EX	6A	6B	6C	6D
		Existing School at Existing Location	L-SHAPE Northeast Corner	BAR SHAPE North Perimeter	L-SHAPE Northwest Corner	BAR SHAPE Western Perimeter
						
Community						
1	Provides accessibility to community used spaces (interior)		●	⊙	○	●
2	Accommodates community program needs / extended day program		●	●	●	●
3	Enhances community connections		●	●	●	●
4	Enhances community green/open space and playground		●	●	●	●
5	Construction Impact on abutters		●	⊙	⊙	○
Building						
1	Meets current building codes (prereq.)		●	●	●	●
2	Meets MAAB/ADA requirements (prereq.)		●	●	●	●
3	Meets healthy building environment (prereq.)		●	●	●	●
4	Requires less building construction on piers		●	●	○	○
5	Meets hazardous material remedial requirements (prereq.)		●	●	●	●
6	Allows for a contextually sensitive design		●	●	●	●
7	Optimizes use of natural light and daylighting		●	●	●	⊙
8	Optimizes connection of outdoor/indoor space, integration with site		●	●	○	○
9	Allows efficient attainment of Green School/Stretch Code requirements		●	●	●	●
Site						
1	Meets MAAB/ADA requirements (prereq.)		●	●	●	●
2	Meets environmental remedial requirements (prereq.)		●	●	●	●
3	Maximizes efficient utilization of site		●	●	⊙	⊙
4	Optimizes outdoor program space and green space		●	⊙	⊙	⊙
5	Optimizes safety and efficiency of on-site bus and van drop off		●	●	⊙	⊙
6	Separates safe circulation of bus, vehicle, pedestrian and bike access		●	●	●	●
7	Provides sufficient parking for teachers, staff + visitors		⊙	⊙	⊙	⊙
8	Improves off site traffic impact		●	●	●	●
9	Optimizes site for safe pedestrian and bike access		●	●	⊙	⊙
10	Allows for future expansion		●	●	●	○
Sustainability						
1	Achieves City goal for fossil free building HVAC systems		●	●	●	●
2	Optimizes building orientation		●	●	●	○
3	Optimizes solar (PV) opportunities		●	●	●	●
4	Allows efficient attainment of Green School/Stretch Code requirements		●	●	●	●
5	Optimizes building envelope thermal performance		●	●	●	●
Gross Scoring			41	39	28	23

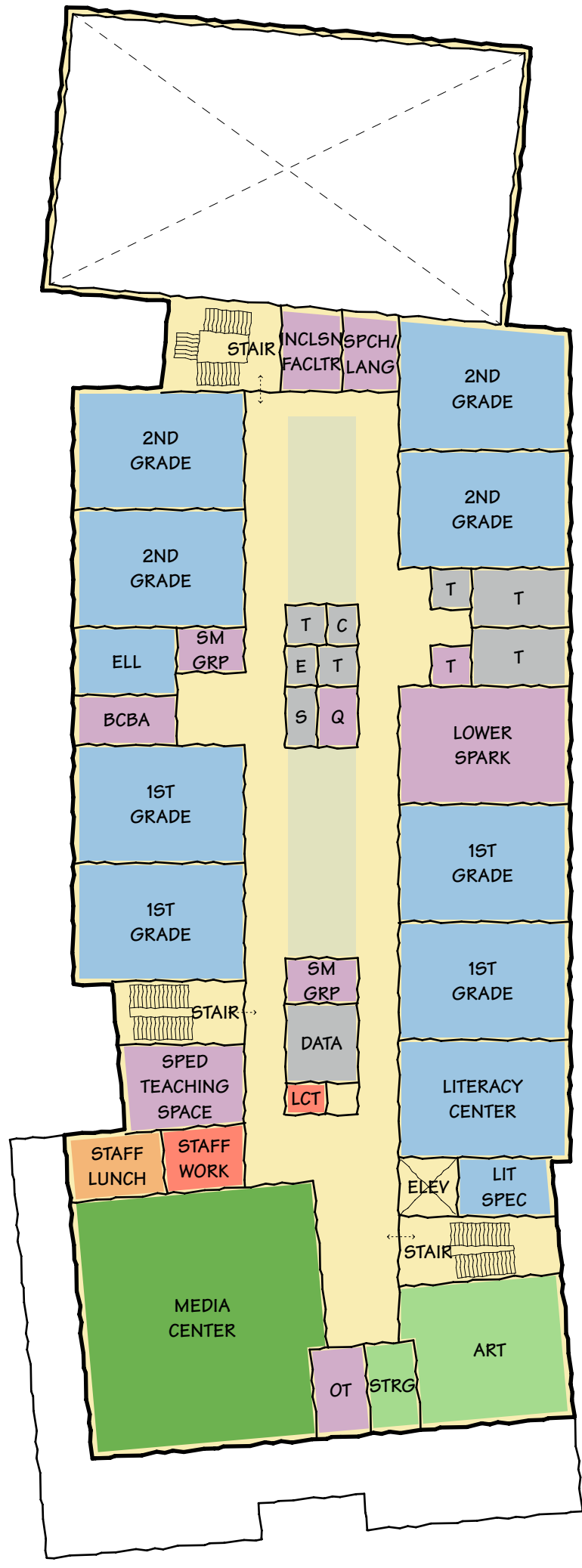
Approach 6B | 465 Students | New Construction | 75,500 SF

LEGEND

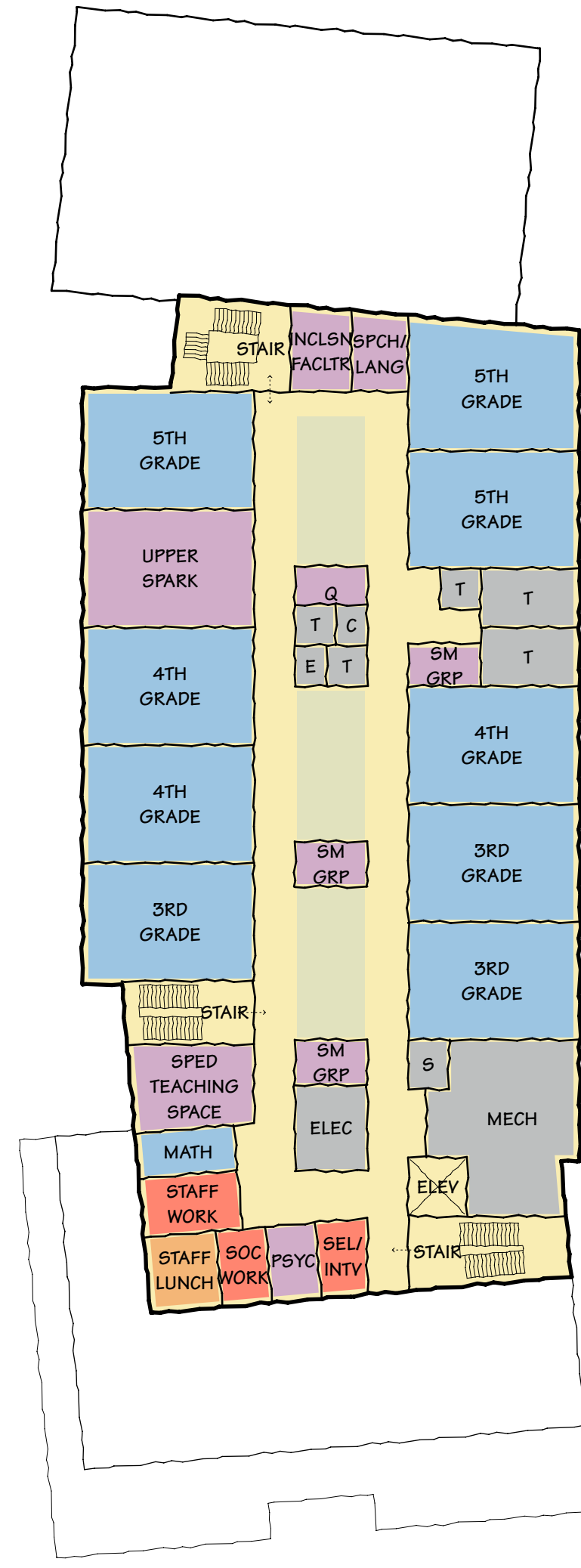
- CORE ACADEMIC SPACES
- SPECIAL EDUCATION
- ART & MUSIC
- HEALTH & PHYS ED
- MEDIA CENTER
- DINING & FOOD SERVICE
- PLATFORM
- MEDICAL
- ADMIN & GUIDANCE
- OTHER / EXTENDED DAY
- CUST, MAINT, & TOILETS
- CIRCULATION



First Floor



Second Floor



Third Floor

- Meets MSBA Space Guidelines
- Ideal spatial relationships and adjacencies
- Gymnasium on first floor
- Kindergarten on first floor
- North / South solar orientation classrooms

Project Schedule | Upcoming Meetings & Milestones

Date	Time	Type	Meeting - Milestone
2/23/2023	9am	WG	4 options how spatial relationships inside affect outside and site take a couple options out of the equation? After both mtg show first floor on site plan
2/28/2023	6pm	SBC	1. MSBA PDP Review/Approval (pending receipt from MSBA) 2. Present more detailed 6A-6B, including criteria matrix, floor plans, further site detail 2. Eliminate at least 2 of the options; Identify top/Preferred option and alternate
3/7/2023	5pm	Other	MSBA Review comments due
3/9/2023	9am	WG	Discuss options and public forum presentation
3/9/2023	6pm	SBC	1. Advertise as "SBC hosting a Community forum" 2. MSBA PDP Review/Approval update (if not rec'd in time for 2/28 mtg) 3. "Polished" level of development of top option(s); criteria, inc. renderings/massing 4. Determine/Vote preferred option for future development & cost purposes
W.O. 3/13 or 3/20		Other	Community Forum w/ School Department
3/14/2023		Other	Special Election - Countryside Override Vote
3/15/2023			<i>Submit Pricing Documents to Estimators</i>
3/23/2023	9am	WG	
3/28/2023	6pm	SBC	1. Report out from sustainability meeting; geothermal study findings 2. Preferred Option Development Update (refinement; option out for cost estimating) 3. Report out from CC-Public Facilities mtg (if held)
3/29/2023			Estimate reconciliation (PM&C, AMF, Josh/Alex)
4/4/2023	6pm	SBC	1. Preferred Option Development Update (refinement) 2. Report out from SC/CC Public Facilities meeting (if held)
4/5/2023	7pm	Other/Public	CC Public Facilities w/ School Committee Update
4/6/2023	9am	WG	Review cost information from estimators
4/18/2023			<i>Draft PSR Uploaded for SBC review; include any feedback from CC-Public Facilities</i>
4/20/2023		WG	Review high level budget info & criteria prior to following SBC meeting
4/25/2023	6pm	SBC	1. Review construction cost report and high level budget update 2. Vote to Approve PSR Submittal to MSBA
4/27/2023			Submit PSR to MSBA



School Building
Committee Meeting

COUNTRYSIDE ELEMENTARY SCHOOL

Newton, MA