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Memorandum

To: Newton School Committee

From: Lori Cowles

Date: December 10, 2007

Re: Elementary Schools Revised Options and Proposed Phasing

The elementary school options have been revised to reflect the five-year enrollment projections updated in November 2007. While the facility needs, educational space needs and overcrowding issues are still prevalent, the new projections do not require a 16th elementary school. All of these options presume that redistricting is required. As with previous presentations, modular classrooms currently in use throughout the system are not counted since the eventual outcome of facilities renovations does not use modulars.

The focus of these options is on classroom spaces with an assumption made that each classroom holds 21 students. It is recognized that class size in individual schools do not distribute as evenly as this model. However, the effort here is to ensure that the current short-term and intermediate classroom needs are covered by concentrating on having a sufficient number of classrooms throughout the system. The same data for these recommendations are presented in two different ways—the graphic boards with each school represented by a circle that you are already familiar with and tables focusing on number of classrooms and total school size.

The main differences among these options are the number of new schools versus renovations/additions, the number of larger schools to accommodate more pupils, and the distribution of larger schools whether or not they are concentrated in the center of the city.

In all options the following are true:

Bowen (19 classrooms), Memorial-Spaulding (20 classrooms), and Williams (13 classrooms) remain as is with annual maintenance and updates as required.

Burr (16 classrooms), Horace-Mann (13 classrooms), Lincoln-Eliot (18 classrooms), and Underwood (13 classrooms) all require renovation.

The Integrated Pre-school is to be relocated to Carr School from Lincoln-Eliot and the Education Center (this will return 4 classroom spaces to Lincoln-Eliot).

Option 1:

- Angier and Cabot are to be replaced with new school buildings (25 classrooms each)
- Countryside (25 classrooms), Franklin (25 classrooms), Mason-Rice (25 classrooms), and Peirce (22 classrooms) are to have additions and renovations
- Ward (12 classrooms) and Zervas (13 classrooms) are to be renovated



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Option 2:

- Angier (25 classrooms), Cabot (25 classrooms), and Ward (18 classrooms) are to be replaced with new school buildings
- Countryside (25 classrooms), Franklin (25 classrooms), Mason-Rice (22 classrooms), and Peirce (19 classrooms) are to have additions and renovations
- Zervas (13 classrooms) is to be renovated

Option 3:

- Angier (22 classrooms), Cabot (22 classrooms), Ward (19 classrooms), and Zervas (22 classrooms) are to be replaced with new school buildings
- Countryside (25 classrooms), Franklin (21 classrooms), Mason-Rice (21 classrooms), and Peirce (20 classrooms) are to have additions and renovations

Proposed phasing options assume two swing spaces are available. The two swing spaces for the purposes of this planning are presumed to be Carr and Aquinas. Both buildings require renovations and additions. Carr School, in addition to providing a swing space for students during school projects, will also house the Integrated Pre-school. With two swing spaces, the proposed options may be completed within approximately 16 years. With just one swing space, the proposed options would require approximately 32 years to complete.

The proposed phasing options below assume that two swing spaces become and remain available throughout the multi-phased approach. Steps 1 and 2 are the same for all three options. All of the phasing options build capacity first by replacing school buildings with new buildings, followed by renovation/ additions. The buildings that will be renovated only appear as the last step. Among buildings included in each step of these phased options, the buildings are listed in alphabetical order. The decisions as to which building to do first in each of these steps will depend on building condition, enrollments, and the overall distribution of classrooms in nearby neighborhoods.

- Step 1:
Redistricting
Purchase Aquinas property
Renovate/Add to Carr to be used as Pre-school and swing space
Renovate/Add to Aquinas to be used as swing space
- Step 2: Replace Angier and Cabot with new school buildings

Option 1:

- Step 3: Renovate/Add to Countryside, Franklin, Mason-Rice, and Peirce
- Step 4: Renovate Burr, Horace-Mann, Lincoln-Eliot, Underwood, Ward, and Zervas

Option 2:

- Step 3: Replace Ward with a new school building
- Step 4: Renovate/Add to Countryside, Franklin, Mason-Rice, and Peirce
- Step 5: Renovate Burr, Horace-Mann, Lincoln-Eliot, Underwood, and Zervas

Option 3:

- Step 3: Replace Ward and Zervas with new school buildings

- Step 4: Renovate/Add to Countryside, Franklin, Mason-Rice, and Peirce

- Step 5: Renovate Burr, Horace-Mann, Lincoln-Eliot, and Underwood

Student enrollment projections will be reviewed and updated annually, this will provide the basis of either confirming or revising the number of classrooms needed for the next proposed school projects. As the multi-phased approach is nearing its end and depending on enrollment projections, the School Department may decide how best to incorporate the two swing spaces into the school system.

Newton Schools Study
Proposed Options - Revised

OPTION

1

School Name	CR*	21/CR	2010	deficit	surplus	net	
Angier	25	24+1	504	408		96	
Bowen	19	18+1	378	459	81		
Burr	16	15+1	315	366	51		
Cabot	25	24+1	504	442		62	
Countryside	25	24+1	504	485		19	
Franklin	25	24+1	504	385		119	
Horace Mann	13	12+1	252	350	98		
Lincoln-Eliot	18	17+1	357	332		25	
Mason-Rice	25	24+1	504	443		61	
Memorial-Spaulding	20	19+1	399	414	15		
Peirce	22	21+1	441	307		134	
Underwood	13	12+1	252	308	56		
Ward	12	11+1	231	251	20		
Williams	13	12+1	252	281	29		
Zervas	13	12+1	252	341	89		
Total Elem	284	269+15	5649	5,572	439	516	77

This option shows 2 new schools and 4 renovations and additions plus taking over the 4 Pre-School classrooms at Lincoln-Eliot.

Resulting system configuration: 5@25 1@22 1@20 1@19 1@18 1@16 4@13 1@12

OPTION

2

School Name	CR*	21/CR	2010	deficit	surplus	net	
Angier	25	24+1	504	408		96	
Bowen	19	18+1	378	459	81		
Burr	16	15+1	315	366	51		
Cabot	25	24+1	504	442		62	
Countryside	25	24+1	504	485		19	
Franklin	25	24+1	504	385		119	
Horace Mann	13	12+1	252	350	98		
Lincoln-Eliot	18	17+1	357	332		25	
Mason-Rice	22	21+1	441	443	2		
Memorial-Spaulding	20	19+1	399	414	15		
Peirce	19	18+1	378	307		71	
Underwood	13	12+1	252	308	56		
Ward	18	17+1	357	251		106	
Williams	13	12+1	252	281	29		
Zervas	13	12+1	252	341	89		
Total Elem	284	269+15	5649	5,572	421	498	77

This option shows 3 new schools and 4 renovations and additions plus taking over the 4 Pre-School classrooms at Lincoln-Eliot.

Resulting system configuration: 4@25 1@22 1@20 2@19 2@18 1@16 4@13

OPTION

3

School Name	CR*	21/CR	2010	deficit	surplus	net	
Angier	22	21+1	441	408		33	
Bowen	19	18+1	378	459	81		
Burr	16	15+1	315	366	51		
Cabot	22	21+1	441	442	1		
Countryside	25	24+1	504	485		19	
Franklin	21	20+1	420	385		35	
Horace Mann	13	12+1	252	350	98		
Lincoln-Eliot	18	17+1	357	332		25	
Mason-Rice	21	20+1	420	443	23		
Memorial-Spaulding	20	19+1	399	414	15		
Peirce	20	19+1	399	307		92	
Underwood	13	12+1	252	308	56		
Ward	19	18+1	378	251		127	
Williams	13	12+1	252	281	29		
Zervas	22	21+1	441	341		100	
Total Elem	284	269+15	5649	5,572	354	431	77

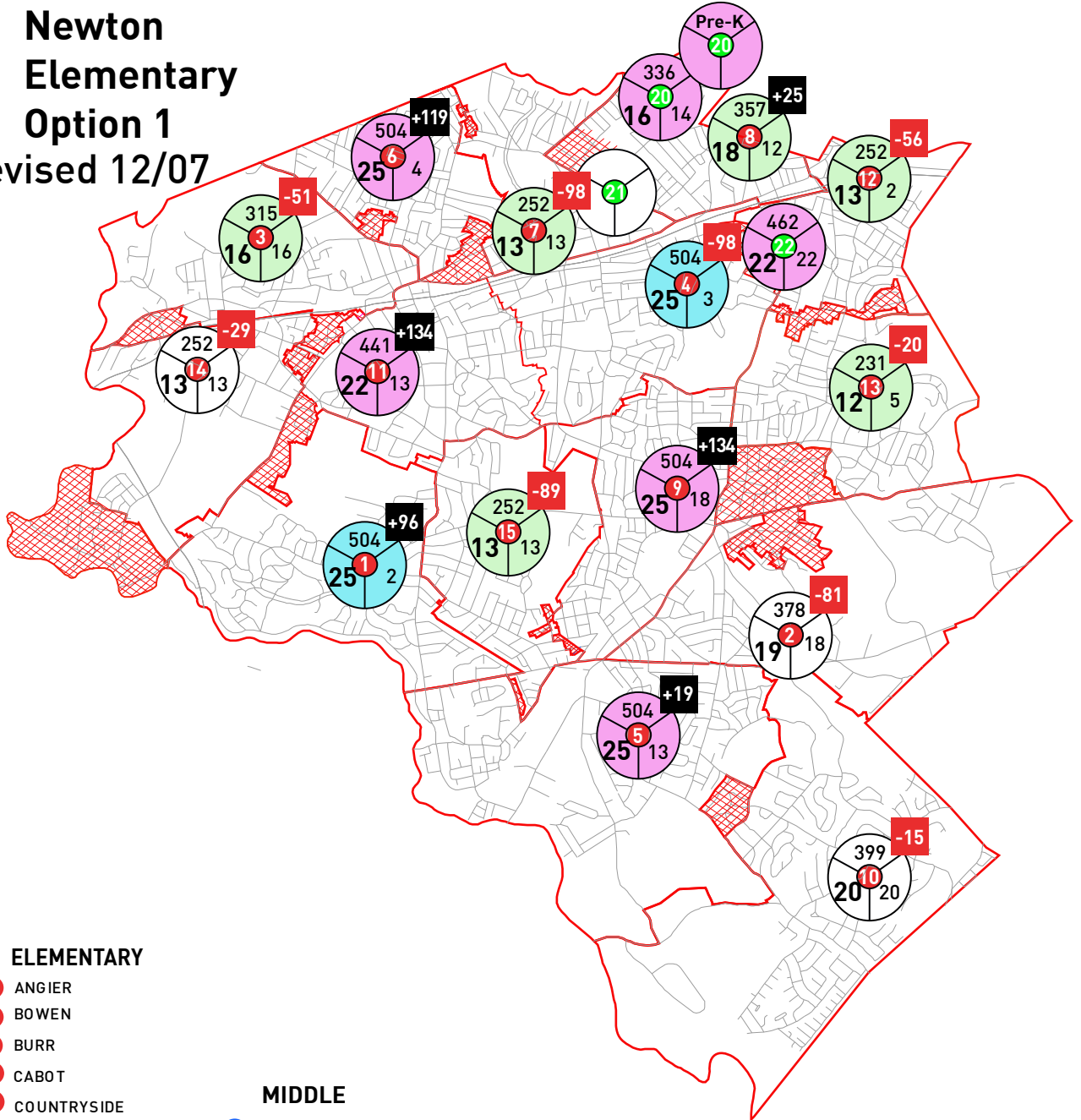
This option shows 4 new schools and 4 renovations and additions plus taking over the 4 Pre-School classroom at Lincoln-Eliot.

Maximum size of 22 CR (except for Countryside).

Resulting system configuration: 1@25 3@22 2@21 2@20 2@19 1@18 1@16 3@13

*Please note, we have used the first number as the multiplier to calculate the number of students per building. At the suggestion of the principals, the options provide potential extra capacity (+1) for shifting enrollment needs, special education programs, etc. based on the needs of the individual facility.

1 Newton Elementary Option 1 revised 12/07



- ELEMENTARY**
- 1 ANGIER
 - 2 BOWEN
 - 3 BURR
 - 4 CABOT
 - 5 COUNTRYSIDE
 - 6 FRANKLIN
 - 7 HORACE MANN
 - 8 LINCOLN-ELIOT
 - 9 MASON-RICE
 - 10 MEMORIAL-SPAULDING
 - 11 PEIRCE
 - 12 UNDERWOOD
 - 13 WARD
 - 14 WILLIAMS
 - 15 ZERVAS
 - OPTIONAL AREAS

- MIDDLE**
- 16 BIGELOW
 - 17 BROWN
 - 18 DAY
 - 19 OAK HILL
 - OPTIONAL AREAS
- OTHER**
- 20 CARR
 - 21 EDUCATION CENTER
 - 22 AQUINAS

KEY

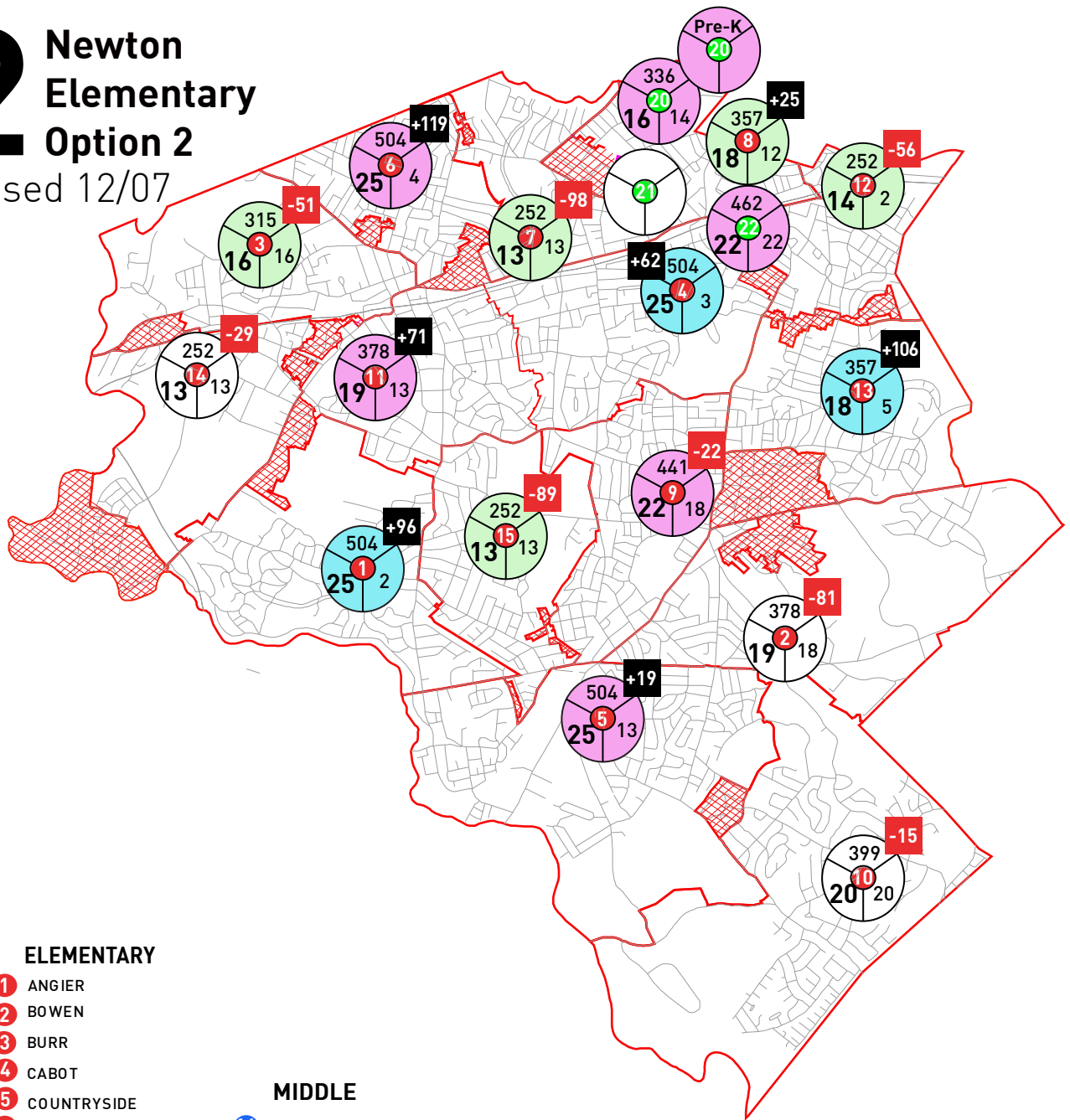
Students →
 Class Rm. Needed →
 Class Rm. Now →

POSSIBILITIES

- No Change Elem.
- Renovate & Reuse
- Renovations
- Renovations/ Additions
- New

2 Newton Elementary Option 2

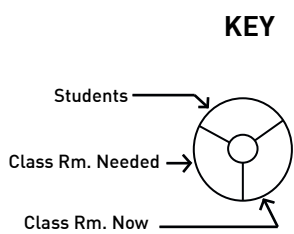
revised 12/07



- ELEMENTARY**
- 1 ANGIER
 - 2 BOWEN
 - 3 BURR
 - 4 CABOT
 - 5 COUNTRYSIDE
 - 6 FRANKLIN
 - 7 HORACE MANN
 - 8 LINCOLN-ELIOT
 - 9 MASON-RICE
 - 10 MEMORIAL-SPAULDING
 - 11 PEIRCE
 - 12 UNDERWOOD
 - 13 WARD
 - 14 WILLIAMS
 - 15 ZERVAS
 - OPTIONAL AREAS

- MIDDLE**
- 16 BIGELOW
 - 17 BROWN
 - 18 DAY
 - 19 OAK HILL
 - OPTIONAL AREAS

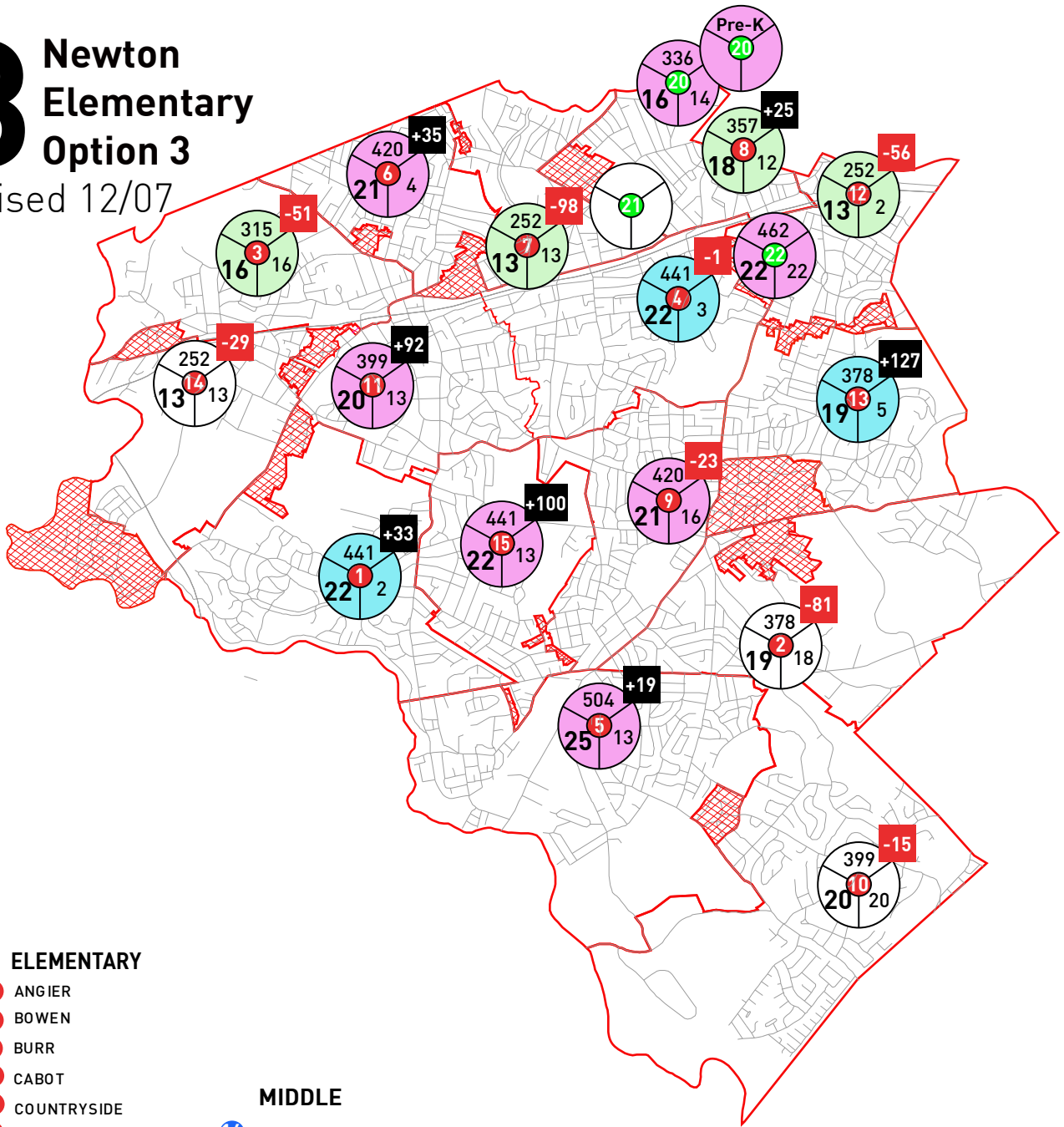
- OTHER**
- 20 CARR
 - 21 EDUCATION CENTER
 - 22 AQUINAS



- POSSIBILITIES**
- No Change Elem.
 - Renovate & Reuse
 - Renovations
 - Renovations/ Additions
 - New

3 Newton Elementary Option 3

revised 12/07



ELEMENTARY

- 1 ANGIER
- 2 BOWEN
- 3 BURR
- 4 CABOT
- 5 COUNTRYSIDE
- 6 FRANKLIN
- 7 HORACE MANN
- 8 LINCOLN-ELIOT
- 9 MASON-RICE
- 10 MEMORIAL-SPALDING
- 11 PEIRCE
- 12 UNDERWOOD
- 13 WARD
- 14 WILLIAMS
- 15 ZERVAS
- OPTIONAL AREAS

MIDDLE

- 16 BIGELOW
- 17 BROWN
- 18 DAY
- 19 OAK HILL
- OPTIONAL AREAS

OTHER

- 20 CARR
- 21 EDUCATION CENTER
- 22 AQUINAS

POSSIBILITIES

- | | |
|------------------------|-------|
| No Change | Elem. |
| Renovate & Reuse | |
| Renovations | |
| Renovations/ Additions | |
| New | |

KEY

