



Groton School Facilities Initiative

Additional Options

July 25, 2013





Introduction

- Recap BOE Meeting 7/22/13
- Educational Considerations for One Middle School
- Presentation of Additional Options
- Impacts and Considerations of Each
- Costs for Maintaining Status Quo



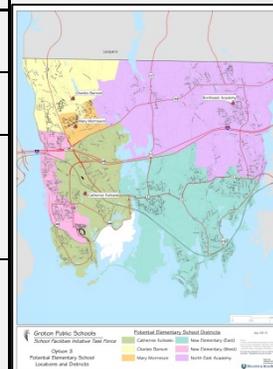
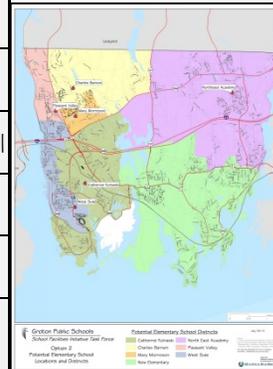
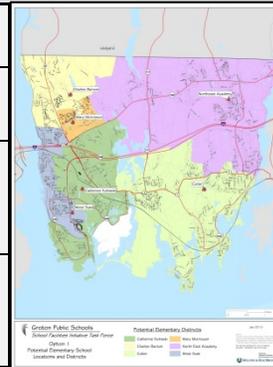
Recap BOE Meeting (7/22)

- Middle Schools Either 5-8 or 6-8 Configuration
- Majority of BOE Desires Single Middle School
- Some BOE Feel Middle School Should Be Located Adjacent to High School
- Include Provision for Expansion of PreK Programming, Housing Classes at Each Elementary School
- PK-5 or K-5 Elementary Configuration Supported by BOE
- BOE to Form Sub-Group to Draft Vision for Elementary Schools, In Concert With the SFITF Process

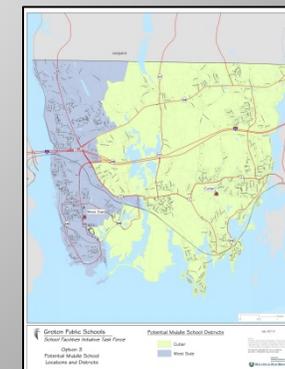
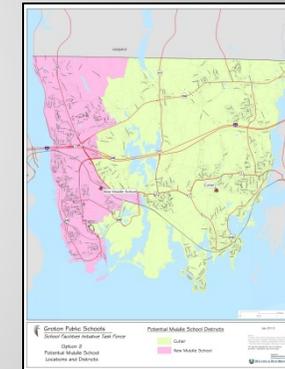
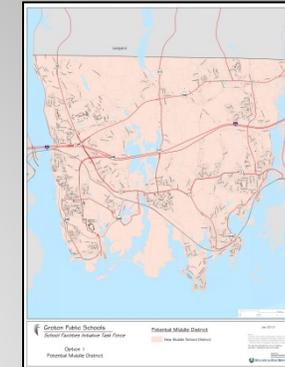


Recap Options 1-3

Option 1: One Middle School	Build One New Middle School
	Renovate Cutler as New East Side PreK-5
	Renovate West Side as New West Side PreK-5
	Close Claude Chester, Pleasant Valley, and S.B. Butler
Option 2: Two Middle Schools	Build One New Middle School at Kolnaski Site
	Build New PreK-5 on East Side
	Renovate Cutler As New Middle School
	Renovate West Side as PreK-5
	Close Claude Chester and S.B. Butler
	Close Portables at Charles Barnum, Mary Morrison, and Pleasant Valley
Option 3: Two Middle Schools	Build New PreK-5 on East Side
	Build New PreK-5 On West Sides
	Maintain Cutler and West Side as Middle Schools - Fund Capital Improvements
	Close Claude Chester, Pleasant Valley, and S.B. Butler



Potential Elementary Boundaries



Potential Middle Boundaries



Ed. Considerations One MS

- Three-Year Grade Sequence Facilitates Greater School Affiliation and Greater Parent/ Student Involvement
- Operational Efficiencies of Larger Schools - Address Concerns About Economic Conditions
- Consolidated Middle School – Uniform Curriculum Eases Transition to High School
- Consolidated Middle School Requires Team Organization to Create Smaller Learning Environments



Ed. Considerations One MS

- Middle School Faculty Function as a Unified Professional Learning Community - All Teachers at a Grade Level in the Same Location
- Greater Opportunity for Community Use
- Enables Reuse of Existing Middle Schools & Consolidation of Three Elementary Schools – Cost Avoidance Repairs and Maintenance



Option 2A – Two Middle Schools

- Build a New Middle School at Kolnaski Site
- Renovate Cutler As New Middle School
- Renovate West Side as New PreK-5th
- Build New Elementary on East Side
- Add Classrooms to Northeast Academy
- Close Claude Chester, Pleasant Valley and S.B. Butler
- Take Portables Off-Line at Charles Barnum and Mary Morrisson

** Variations from Option 2 Underlined*



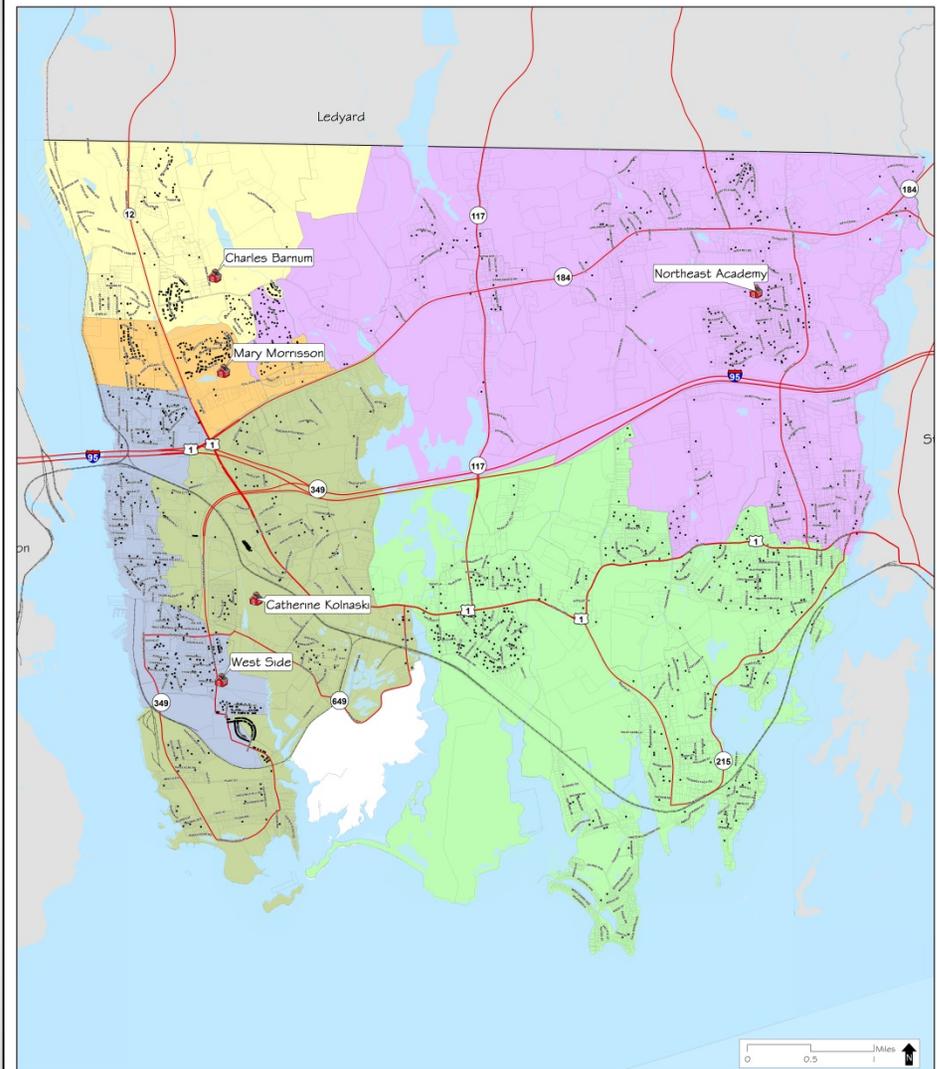
Option 2A – Potential Elementary

Option 2A

Potential Elementary Schools and Districts
with 2012-13 K-5 Enrollments

	Total Enrollment	Minority Enrollment	% Minority	Free/Reduced Lunch Enroll	% Free/Reduced Lunch
Catherine Kolnaski	389	240	61.7%	238	61.2%
Charles Barnum	281	102	36.3%	114	40.6%
Mary Morrisson	371	110	29.6%	144	38.8%
New Elementary	465	164	35.3%	149	32.0%
Northeast	451	109	24.2%	118	26.2%
West Side	479	293	61.2%	330	68.9%
TOTAL K-5	2,436	1,020	41.9%	1,095	45.0%

- Down-Size CB and MM
- Potential for PreK at All Schools
- New East Side Elementary School Location Would Influence New Attendance Zones



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Option 2A
Potential Elementary School
Locations and Districts

Potential Elementary School Districts

- Catherine Kolnaski
- Charles Barnum
- Mary Morrisson
- New Elementary
- North East Academy
- West Side

July 2013

Source:
*Parents, School District, Businesses, Street Connections
Trust of Groton Geographic Information Systems Dept.
Planning Data: Connecticut Department of Transportation
Position Map: Geographic Information Center (2012)
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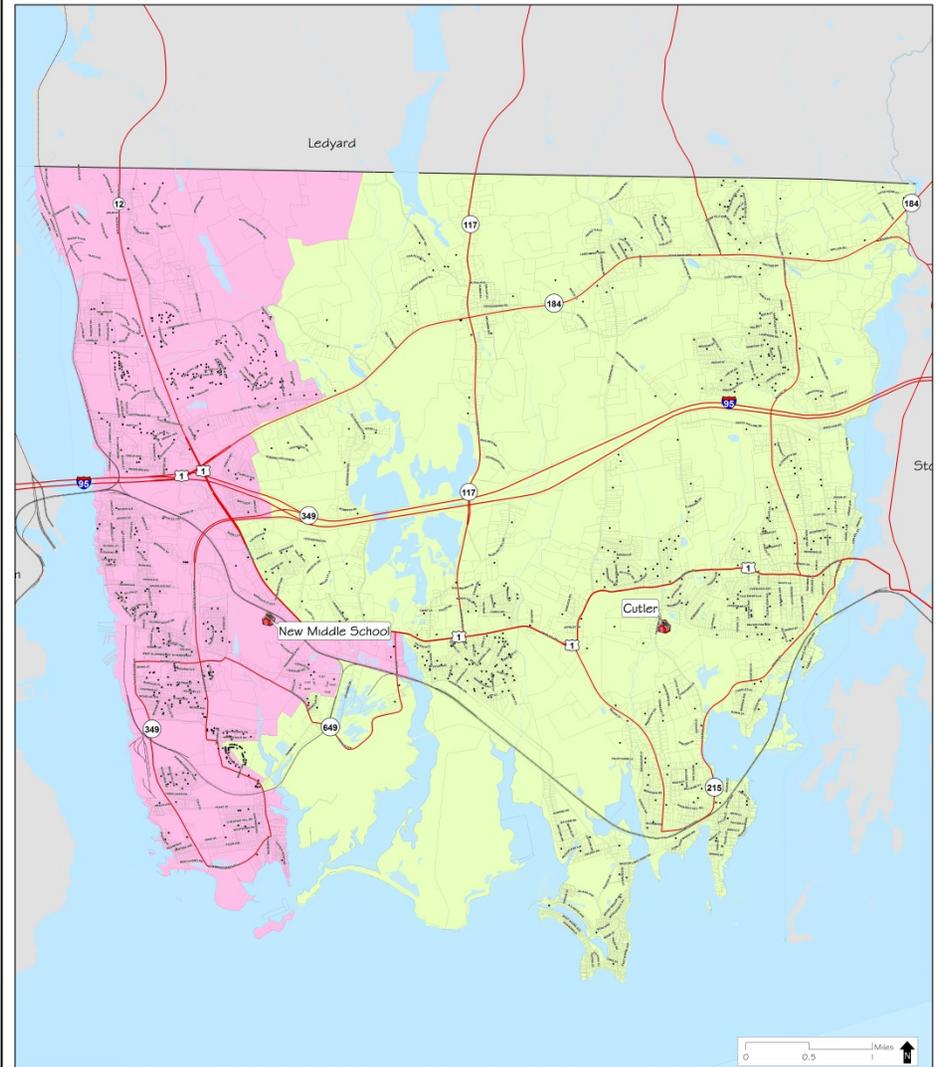


Option 2A – Potential Middle

Option 2
Potential Middle School Districts
with 2012-13 6th - 8th Enrollments

	Total Enrollment	Minority Enrollment	% Minority	Free/Reduced Lunch Enroll	% Free/Reduced Lunch
Cutler	487	159	32.6%	165	33.9%
New Middle School	488	228	46.7%	269	55.1%
TOTAL 6-8:	975	388	39.8%	435	44.6%

➤ Unlikely to Maintain Direct Feeder Pattern from Elementary to Middle



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Potential Middle School Districts

July 2013

Option 2
Potential Middle School
Locations and Districts

Cutler
 New Middle School

Source:
*Fugate, School District Boundaries, Street Centerlines
Trace of Groton Geographic Information Systems Data;
**Planning Data: Connecticut Department of Transportation
Projection Map 8 Geographic Information Center (2012)
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Option 2A – Considerations

- Construction Costs of One New Middle, One New Elementary, Two Renovate as New (Middle and Elementary), and an Addition to North East
- Remove Portables from Barnum and Morrisson
- Unlikely to Develop Clean Feeder Pattern to Middle



Option 4 – One MS, PK-2/3-5, K-5

- Build One New Middle School to Serve Entire Community
- Renovate Cutler to Serve as PK/K-5th
- Renovate West Side to Serve as 3-5th and Pair with Reconfigured Kolnaski (PreK-2nd)
- Reconfigure and Pair Barnum and Morrisson to PreK-2nd and 3-5th
- Close Claude Chester, Pleasant Valley and S.B. Butler



Option 4 – Potential Middle

Option 4 Potential Middle School District with 2012-13 6th-8th Enrollments					
	Total Enrollment	Minority Enrollment	% Minority	Free/Reduced Lunch Enroll	% Free/Reduced Lunch
New Middle School	975	387	39.7%	465	47.7%
TOTAL 6th-8th:	975	387	39.7%	465	47.7%

- Site to Be Determined
- Unification at Middle School
- Feeder Splits, Enrollment and Racial Balance Concerns Eliminated



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Potential Middle District
New Middle School District

July 2013

Option 4
Potential Middle District

Source:
* Public School District Boundaries, Present Centroids;
Town of Groton Geographic Information Systems Dept.
Database Data: Connecticut Department of Transportation
Projection: NAD 83
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Option 4 – Elementary

Historic Enrollments of Barnum, Morrisson and Pleasant Valley										
	PreK*	K	1	2	3	4	5	K-2 Total	3-5 Total	Change from 5th to K Five Years Previous
2002-03		179	151	134	128	142	110			
2003-04		199	181	172	136	154	149			
2004-05		202	160	140	150	111	104			
2005-06		145	163	143	120	118	94			
2006-07		162	140	154	124	105	100			
2007-08		197	190	152	150	139	105			-41.3%
2008-09		220	174	167	133	139	119			-40.2%
2009-10	129	176	188	151	153	108	123	644	384	-39.1%
2010-11	148	190	182	145	141	129	109	665	379	-24.8%
2011-12	140	210	193	161	147	141	118	704	406	-27.2%
2012-13	103	202	195	178	143	143	131	678	417	-33.5%

**PreK is based on child's district of residence, rather than school attended. All other enrollments are based on actual school enrollment. Only 2009-10 to 2012-13 data available.*

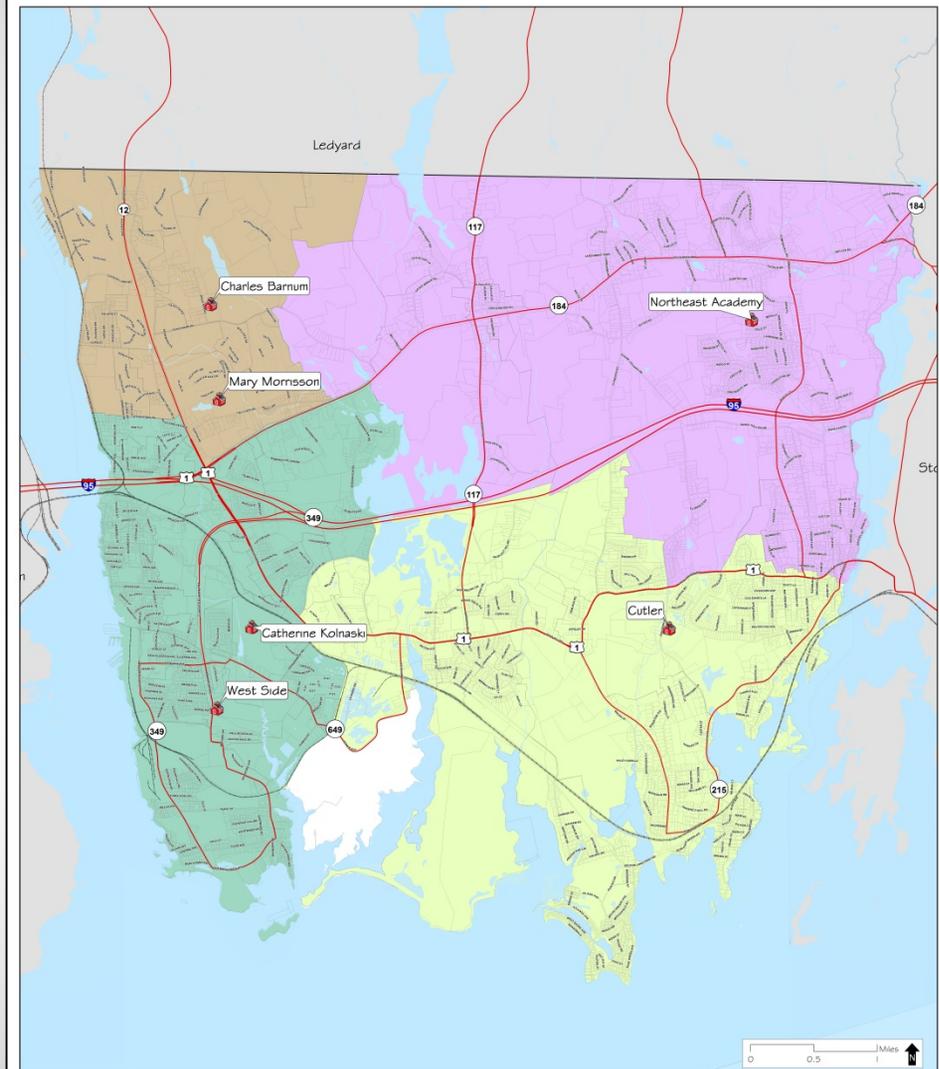
- Demographics of Military Families Traditionally Led to Larger K-2 Classes
- Makes CB and MM Sister Schools Configuration Difficult to Fit to Facilities



Option 4 – Potential Elementary

	Total Enrollment	Minority Enrollment	% Minority	Free/Reduced Lunch Enroll	% Free/Reduced Lunch
Cutler PreK-5	532	181	34.0%	172	32.3%
Northeast PreK-5	400	94	23.5%	89	22.3%
Barnum PreK-2	505	162	32.1%	174	34.5%
Morrison 3-5	300	104	34.7%	136	45.3%
West Side PreK-2	537	350	65.2%	335	62.4%
Kolnaski 3-5	351	211	60.1%	234	66.7%
TOTAL PreK-5th:	932	275	29.5%	261	28.0%
TOTAL PreK-2nd:	1,042	512	49.1%	509	48.8%
TOTAL 3-5th:	651	315	48.4%	370	56.8%

- Potential Space Concerns with CB and MM
- In CK-WS Pairing, WS Would Need to House PreK-2 Due to Enrollment and Single Floor configuration



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Option 4
Potential Elementary School Locations and Districts

Potential Elementary Districts

- Cutler
- North East Academy
- Northwest
- Southwest

July 2013

Source:
*Parents, School District Board/Board, Street Center/Center
Trust of Groton Geographic Information Systems Dept.
*Planning State, Connecticut Department of Transportation
*Projection Map & Geographic Information Center (2012)
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Option 4 – Considerations

- PreK-2 and 3-5 School Pairings May Be Difficult to Fit to Facilities Due to Out-Migration Driven by Military Population
- Expenditures to Construct One New 1,000-1,100 Student School, and Renovations to As Many as Four Existing Schools
- Perceived Inequities in Unlike Grade Groupings (PreK-2/3-5 vs. PreK-5) – Unequal Numbers of Transitions
- Clean Feeder Pattern to Middle
- PreK-2 Require Single-Floor Building
- Impact on Military Families of Increased Transitions – May Be Disruptive to Students



Option 5– 2 New Middle Schools

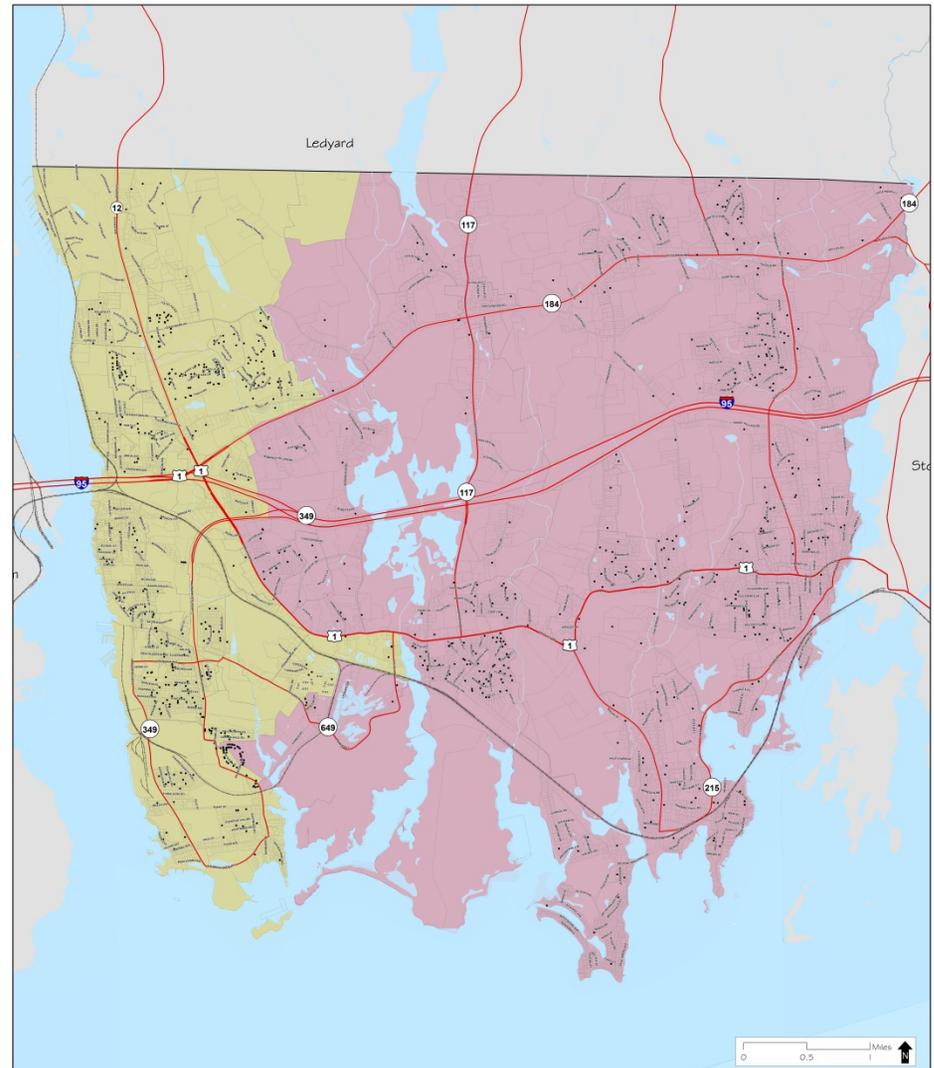
- Build Two New Middle Schools
- Renovate Cutler and West Side As PreK-5th
- Close Claude Chester, Pleasant Valley and S.B. Butler
- PreK Housed in Each Elementary School



Option 5 – Middle Schools

Option 5 Potential Middle School Districts with 2012-13 6th - 8th Enrollments					
	Total Enrollment	Minority Enrollment	% Minority	Free/Reduced Lunch Enroll	% Free/Reduced Lunch
New Eastern	487	159	32.6%	165	33.9%
New Western	488	228	46.7%	269	55.1%
TOTAL 6-8:	975	388	39.8%	435	44.6%

- New School Locations Will Influence New District Boundaries
- Unlikely to Maintain Direct Feeder system from Elementary



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Option 5
Potential Middle School Districts

Potential Middle School Districts
New Eastern Middle
New Western Middle

July 2013

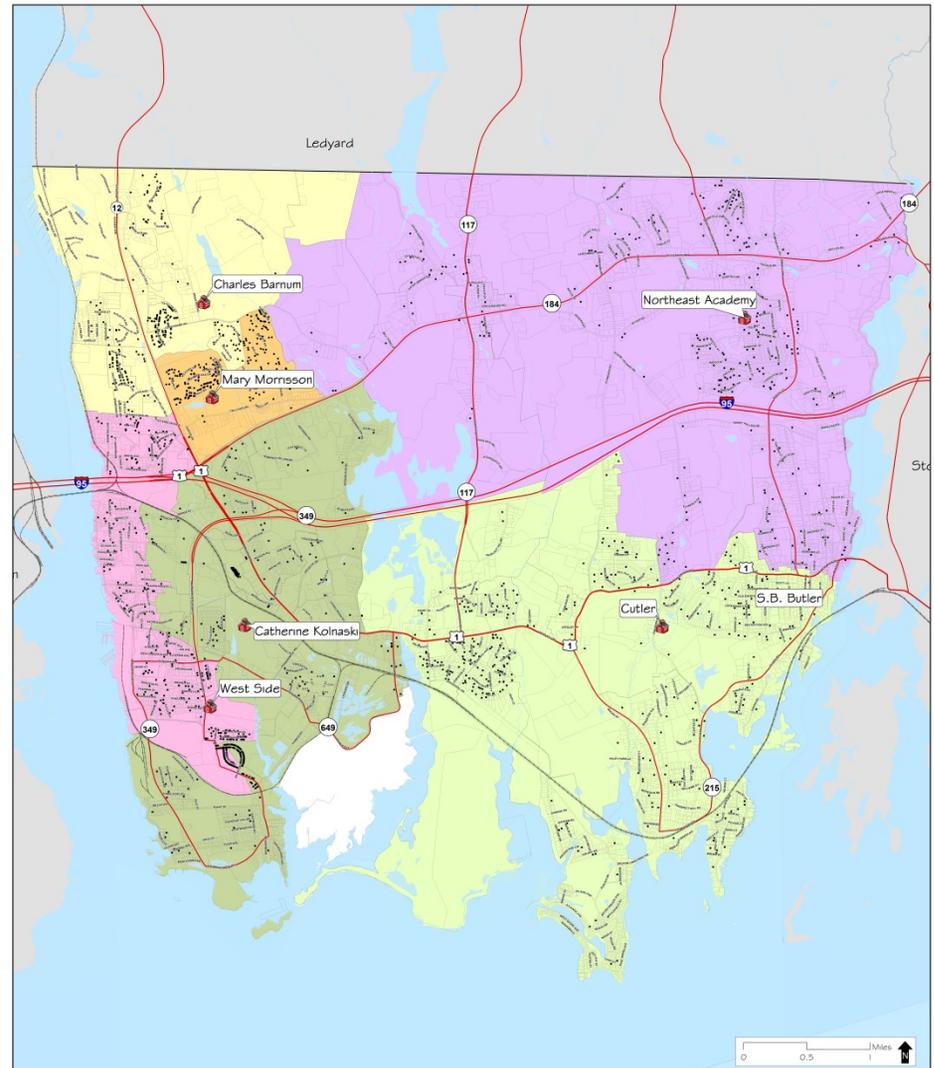
Source:
* Future School District Boundaries, Project Centerline
Town of Groton Geographic Information Systems Dept.
Baseline Data: Connecticut Department of Environmental
Protection Map & Geographic Information Center (2012)
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document. Distortions may not be exact.





Option 5 – Potential Elementary

Option 5 Potential Elementary Schools and Districts with 2012-13 PreK-5 Enrollments							
	Total Enrollment			Total Minority Enrollment	% Minority	Total Free/Reduced Lunch Enroll	% Free/Reduced Lunch
	PreK	K-5	Total				
Catherine Kolnaski	33	389	422	265	62.8%	251	59.5%
Charles Barnum	47	341	388	135	34.8%	120	30.9%
Cutler	21	465	486	172	35.4%	157	32.3%
Mary Morrisson	37	380	417	131	31.4%	190	45.6%
Northeast	18	382	400	94	23.5%	89	22.3%
West Side	33	481	514	316	61.5%	343	66.7%
TOTAL K-5	189	2,438	2,627	1,113	42.4%	1,150	43.8%



➤ Space for PreK at All Schools

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Option 5
Potential Elementary School
Locations and Districts

Potential Elementary School Districts

- Catherine Kolnaski
- Mary Morrisson
- Charles Barnum
- North East Academy
- Cutler
- West Side

July 2013

Source:
* Public School District Boundaries, Street Centerlines
Town of Groton Geographic Information Systems Dept.
Base Map Data: Connecticut Department of Environmental
Protection Map & Geographic Information Center (2012)
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Option 5 – Considerations

- Expenditures to Construct Two New 500-600 Student Middle Schools and Renovate As New Two 500 Student Elementary Schools
- Phased Implementation Enables Adequate Space During Construction Periods and Eases Transitions
- Not Likely to Achieve Clean Feeder Pattern from Elementary to Middle
- Smaller Middle Schools Provide Greater Student Leadership Opportunities
- Provides PreK Opportunities Throughout District
- Challenge to Site Two New Middle Schools
- Cost Avoidance with Closure of Three Elementary Schools



Option 6: PK-4th & 5th-8th

- Build Two New 5th-8th Middle Schools (700 Students per School)
- Renovate Cutler and West Side as PreK-4th
Close Claude Chester, Charles Barnum, Pleasant Valley, and S.B. Butler
- Reconfigure Remaining Elementary Schools to PreK-4th
- Either 4 or 5 Elementary Schools Total



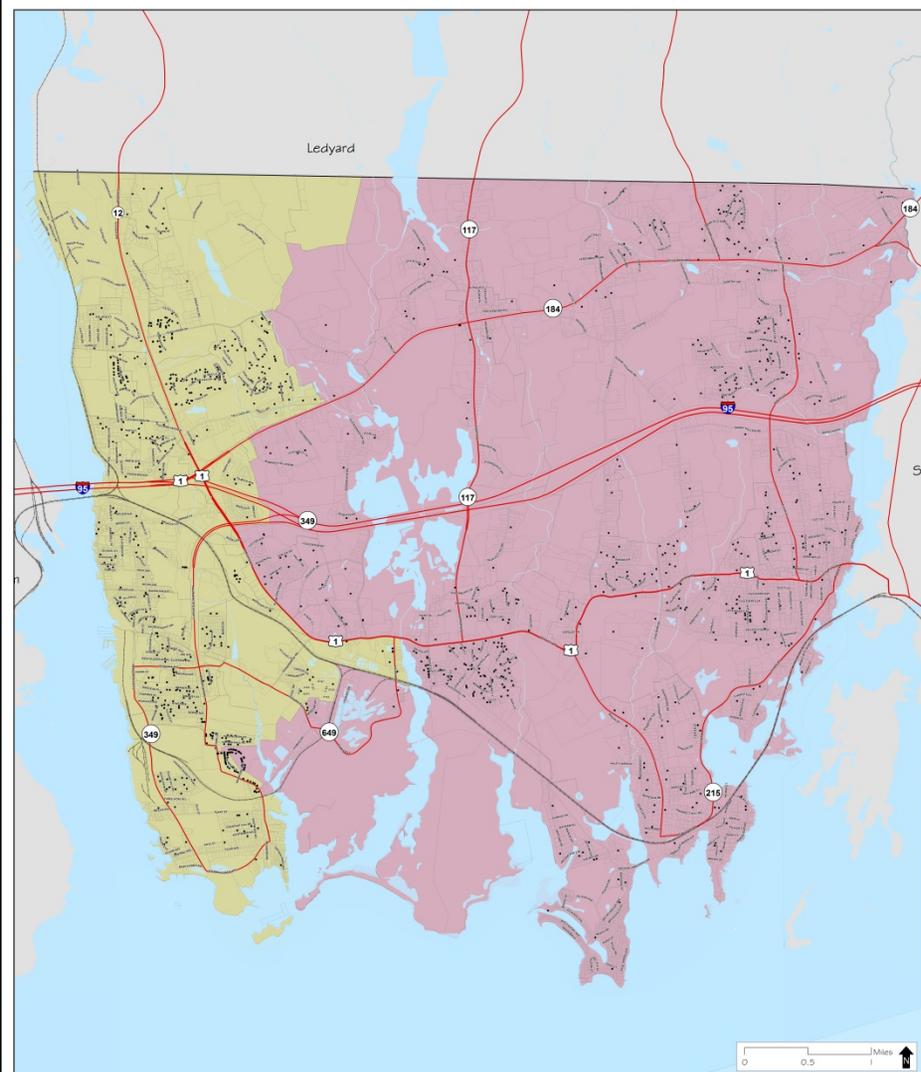
Option 6 – Middle Schools (5-8)

Option 6

Potential Middle School Districts
with 2012-13 5th - 8th Enrollments

	Total Enrollment	Minority Enrollment	% Minority	Free/Reduced Lunch Enroll	% Free/Reduced Lunch
New Eastern	638	204	32.0%	216	33.9%
New Western	685	314	45.8%	372	54.3%
TOTAL 5-8:	1,323	519	39.2%	589	44.5%

- New School Locations Will Influence New District Boundaries
- Unlikely to Maintain Direct Feeder system from Elementary



Groton Public Schools
School Facilities Initiative Task Force

Option 6
Potential Middle School
Districts

Potential Middle School Districts

- New Eastern Middle
- New Western Middle

July 2013

Source:
*Ferry, School District Boundaries, Street Centerlines
Town of Groton Geographic Information Systems Dept.
*Boring Data, Connecticut Department of Transportation
Position Map & Geographic Information Center (2012)
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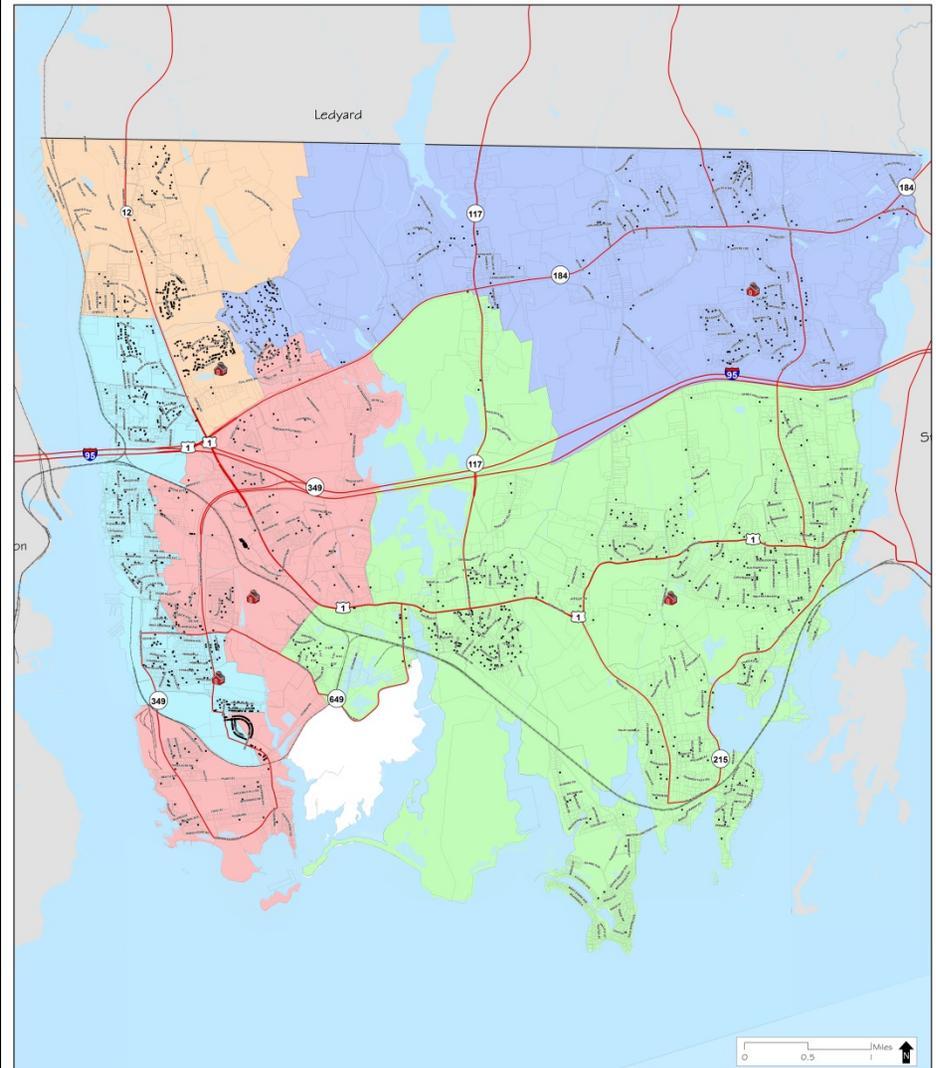
Option 6 – Potential Elementary

Option 6

Potential Elementary Schools and Districts with 2012-13 PreK-4 Enrollments

	Enrollment			Total Minority Enrollment	% Minority	Total Free/Reduced Lunch Enroll	% Free/Reduced Lunch
	K-4	PreK	Total				
Catherine Kolnaski	363	35	398	233	58.5%	249	62.6%
Cutler	505	30	535	185	34.6%	167	31.2%
Mary Morrisson	371	68	439	154	35.1%	176	40.1%
Northeast	385	19	404	120	29.7%	111	27.5%
West Side	466	37	503	290	57.7%	293	58.3%
TOTAL PreK-4	2,090	189	2,279	982	43.1%	996	43.7%

- 5th Elementary School Needed
- Room for PreK in Each School



Groton Public Schools
School Facilities Initiative Task Force

Potential Elementary School Districts

- Catherine Kolnaski
- Charles Barnum
- Cutler
- Mary Morrisson
- North East Academy
- West Side

Option 6
Potential Elementary School
Locations and Districts

July 2013

Source:
* Public School District Boundaries, Point Centroids
Town of Groton Geographic Information Systems Dept
Base Data: Connecticut Department of Environmental
Protection Map & Geographic Information Center (2012)
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Option 6 – Considerations

- Expenditures to Construct Two New 700 Student Schools and Renovate As New Two 500 Student Schools
- Maintains Mary Morrisson Among New/ Like New Schools – Perceived Inequities
- At Least Four Years at Each School Level Optimizes Parent/Student Involvement and Affiliation
- Likely Some Parent Pushback for Including 5th Graders in Middle School
- Potential Difficulty in Siting Two Middle Schools of This Size



Option 6 – Considerations

- Opportunity with New Construction for Facility Designs Sensitive to Concerns of 5th Grade in Middle School
- Not Likely to Achieve Clean Feeder Pattern from Elementary to Middle
- Larger Attendance Zones – Longer Transportation Times
- Operational Savings of 8 Schools in Entire System



Option 7 – One Middle School (5-8)

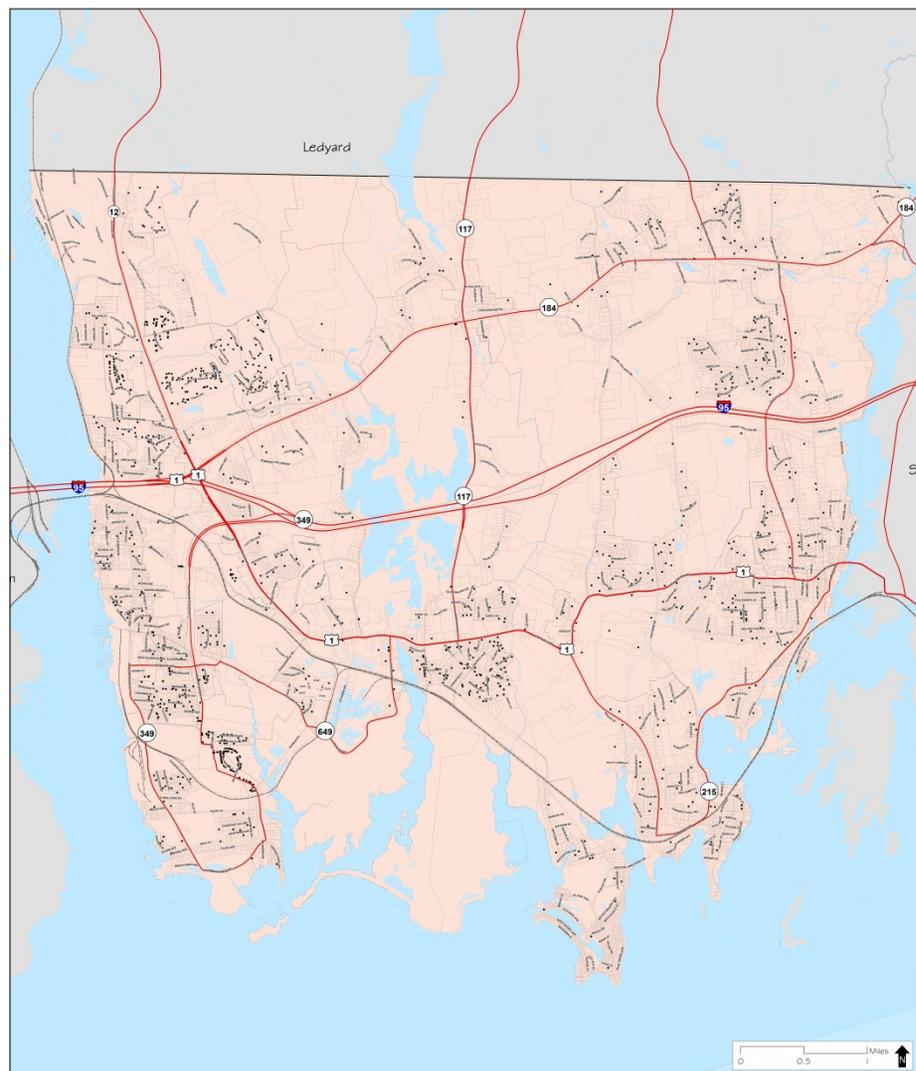
- Build One New 5th-8th Middle School (1,400 Students)
- Renovate Cutler and West Side as PreK-4th
Close Claude Chester, Pleasant Valley, and S.B. Butler
- Reconfigure Remaining Elementary Schools to PreK-4th



Option 7 – Middle School (5-8)

Option 7 Potential Middle School Districts with 2012-13 5th - 8th Enrollments					
	Total Enrollment	Minority Enrollment	% Minority	Free/Reduced Lunch Enroll	% Free/Reduced Lunch
New Middle	1323	519	39.2%	589	44.5%
TOTAL 5-8:	1,323	519	39.2%	589	44.5%

➤ Direct Feeder Pattern



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Potential Middle District
New Middle School District

July 2013

Option 7
Potential Middle District

Division:
* Future School District Boundaries, Present Centroids;
Town of Groton Geographic Information Systems Dept.
Source Data: Connecticut Department of Environmental
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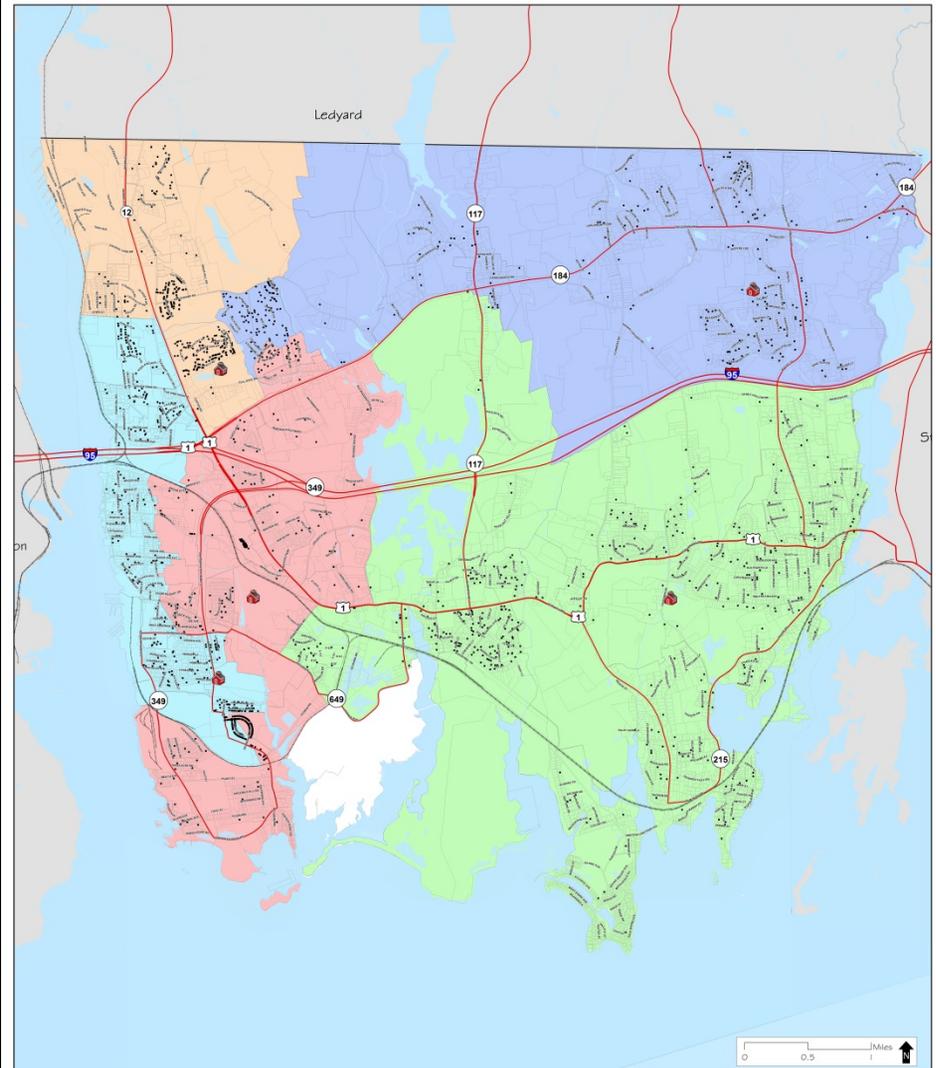
Option 7 – Potential Elementary

Option 7

Potential Elementary Schools and Districts with 2012-13 PreK-4 Enrollments

	Enrollment			Total Minority Enrollment	% Minority	Total Free/Reduced Lunch Enroll	% Free/Reduced Lunch
	K-4	PreK	Total				
Catherine Kolnaski	363	35	398	233	58.5%	249	62.6%
Cutler	505	30	535	185	34.6%	167	31.2%
Mary Morrisson	371	68	439	154	35.1%	176	40.1%
Northeast	385	19	404	120	29.7%	111	27.5%
West Side	466	37	503	290	57.7%	293	58.3%
TOTAL PreK-4	2,090	189	2,279	982	43.1%	996	43.7%

➤ Same as Option 6



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School Facilities Initiative Task Force

Option 6
Potential Elementary School
Locations and Districts

Potential Elementary School Districts

- Catherine Kolnaski
- Mary Morrisson
- Charles Barnum
- North East Academy
- Cutler
- West Side

July 2013

Source:
* Public School District Boundaries, Point Centroids;
Town of Groton Geographic Information Systems Dept.
Database Data: Connecticut Department of Environmental
Protection Map & Geographic Information Center (2012)
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Prepared by:
Landscape Architecture
and Environmental Design
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Option 7 – Considerations

- Expenditures to Construct One New 1,400 Student Schools and Renovate As New Two 500 Student Schools
- Maintains Mary Morrisson Among New/ Like New Schools – Perceived Inequities
- At Least Four Years at Each School Level Optimizes Parent/Student Involvement and Affiliation
- Likely Parent Pushback for Including 5th Graders in Middle School



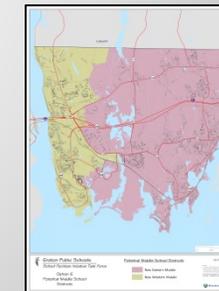
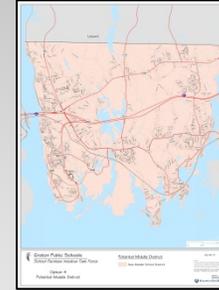
Option 7 – Considerations

- Opportunity with New Construction for Facility Designs Sensitive to Concerns of 5th Grade in Middle School
- Not Likely to Achieve Clean Feeder Pattern from Elementary to Middle
- Larger Attendance Zones – Longer Transportation Times
- Difficulty in Siting a Middle School of That Size
- Operational Savings of 7 Schools in entire System



Side by Side Comparison

	Facility	2012-13 Enrollments
Option 4: One Middle School (6-8), Paired PreK-2 and 3-5, PreK-5	Cutler PreK-5	532
	Northeast PreK-5	400
	Northwest PreK-2	505
	Northwest 3-5	300
	Southwest PreK-2	537
	Southwest 3-5	351
	TOTAL PreK-5	2,627
	New Middle School	975
Option 5: Two New Middle Schools (6-8), PreK-5	Catherine Kolnaski	422
	Charles Bamum	388
	Cutler	486
	Mary Morisson	417
	Northeast	400
	West Side	514
	TOTAL PreK-5	2,627
	New Eastern Middle	487
	New Western Middle	488
TOTAL 6-8	975	
Option 6: Two New Middle Schools (5-8), PreK-4	Catherine Kolnaski	352
	Cutler	328
	Mary Morisson	436
	Northeast	465
	West Side	487
	TOTAL PreK-4	2,279
	New Eastern Middle	638
	New Western Middle	685
TOTAL 5-8	1,323	
Option 7: One New Middle School (5-8), PreK-4	Catherine Kolnaski	352
	Cutler	328
	Mary Morisson	436
	Northeast	465
	West Side	487
	TOTAL PreK-4	2,279
New Middle	1,323	
TOTAL 5-8	1,323	



Potential Elementary Boundaries

Potential Middle Boundaries



Breakout Discussion