



Building Design and Construction Department 2020 Project Highlights

PPBC Meeting March 8, 2021

Needham Fire Station #1 – First Phase of Public Safety Building



Fire Station #2 – In Construction



View of front from Webster St

View of the back of the building



Public Safety and Fire Station #2

- Completion of Fire Station #1 at HQ
 - Completion of Dispatch and Microwave Communications System
 - Move of NPD and NFD to Temporary Quarters at Hillside
 - Demolition of HQ & Fire Station #2
 - HQ -Start Phase II foundations
 - Fire Station #2 Foundations (Includes hazardous soils removal) and Steel Erection
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Sunita L. William Elementary School

- Project complete (more than \$10M under budget)
- Closeout documentation submitted to MSBA for final Audit
- SMART designation received for Solar installation (energy net benefit \$77,000) & LEED Silver Certification received
- Outside Play Area and Walking Trails - closed out, Con Comm Certificate of Compliance with DEP and Needham Conservation allowing expanded outside play area during 2020 Pandemic





Rosemary Pool Complex
(Image by Gary DeMaria)

Rosemary Pool Complex

- Limited Opening in 2018; full opening in 2019
 - Water side upgrades and warranty work
 - Closed out 2-year inspection and Certificate of Compliance with DEP and Needham Conservation
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Memorial Park Field House



Memorial Park Field House

- Limited Opening for July festivities in 2019, full opening Fall 2019.
 - Ongoing warranty work completed, including replacing three non-performing AHU's
 - Placement of acoustical sound dampening panels in Trustees Board Room and Multi-purpose room.
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Jack Cogswell Building

Jack Cogswell Building

- Opened in Winter of 2019
- Punchlist competed
- Solar design completed and submitted to Eversource for permit approval
- Weather Station installed
- Con Comm approval, awaiting written confirmation



Needham
Public Schools



Recommissioning of all Schools in the District

- Assistance to Building Maintenance Department to recommission all schools due to the COVID-19 Pandemic
 - Helped manage testing and balancing of ventilation to confirm adequacy of airflow and constituents of all classroom, office and common spaces
 - Extensive cleaning, repairs and adjustments required
 - Monitoring, testing and repairs will extend through 2021 school year
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Recommissioning of all District Schools - Summer -2020

Needham Public Schools Retro-Commissioning - 2020

Elementary Schools (K-5)		Classroom TAB testing	RTU's	Unit ventilators	Modular package units
1	Broadmeadow	30	6		
2	Eliot	24	6		
3	Mitchell	28	1	22	6
4	Newman	50	12		
5	Sunita Williams	32	10		

Middle Schools (6-8)					
1	High Rock (6)	30	6		
2	Pollard (7 & 8)	68	12	80	10

Needham High School					
		109	22	8	

Total	371	75	110	16	
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- Testing and Balancing all classrooms, Gyms, Cafeterias
- Change out all RTU filters to MERV-13 or higher
- Cleaning and testing all unit ventilators
- Coordinating with BMD, Commissioning Agents & Mechanical Contractors

Needham High School Expansion



- Opened in Fall of 2018;
first of three phases
- Ongoing Warranty work
completed

Mitchell Modulars

- Opened in Fall of 2019
- Ongoing Punchlist and Warranty work completed
- Addition of new public address and bell system for entire school



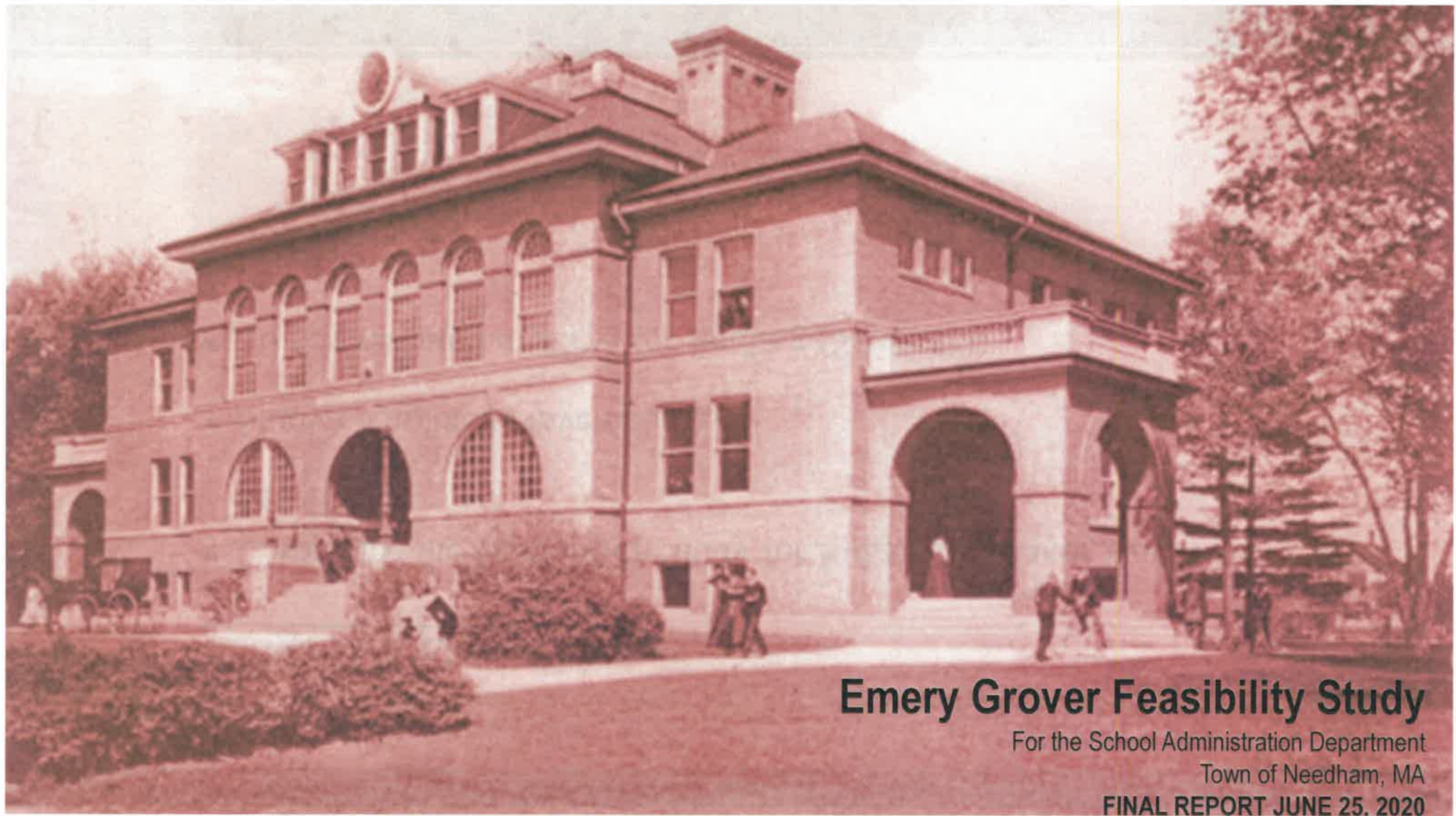


Ridge Hill Manor House & Garage



Ridge Hill Demolition

- Completed the Demolition Study for Ridge Hill Manor House and Garage
 - Study completed November 2020
 - To be presented to ATM for funding (\$760,000)
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Emery Grover Feasibility Study

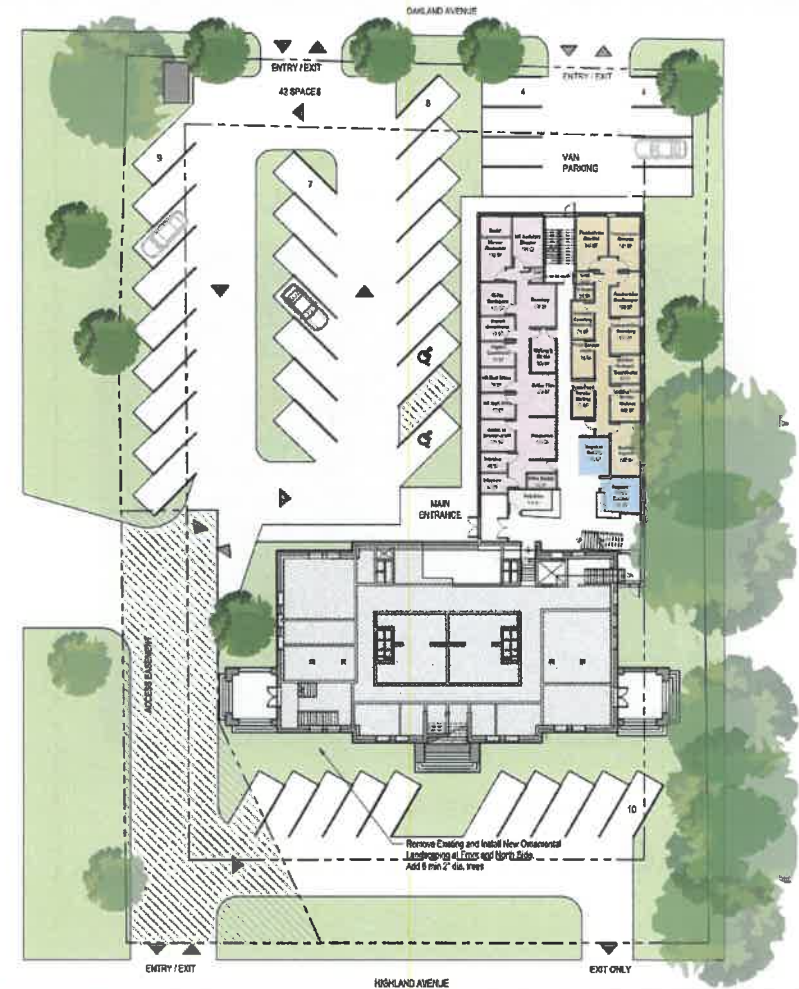
For the School Administration Department

Town of Needham, MA

FINAL REPORT JUNE 25, 2020

Emery Grover Building Study

- Final report received in June 2020, recommends renovation and expansion of building after review of numerous options
- Full gut renovation of existing building with 50 ft x 100 ft, three-story addition
- Ongoing review by Select Board, Finance Committee, Community Preservation Committee (CPC) and School Committee
- L-shaped addition provides handicapped access to historic building and needed office space with enhanced natural ventilation and lighting to occupants

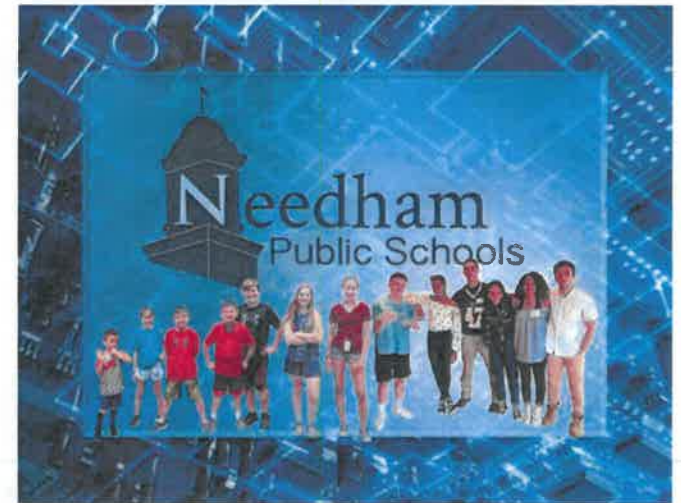


School Master Plan Study

- Report received November 2020, following year of detailed assessment and review of options
- Study available on the School Department website at http://www.needham.k12.ma.us/departments/business_operations/business_office/enrollment_capital_planning_construction_proj
- School Committee Recommended (Option D.1): High Rock as Elementary School, Pollard (6-8) Middle School as first accelerated (non-MSBA) project and Mitchell 3-section Elementary School (MSBA) project
- Achieves most rapid solution to elementary and middle school educational and facility issues at the lowest overall cost (\$250M over 7 years, with escalation included)
- Modified Plan allows implementation to begin in May 2021.
- Ongoing review by Select Board, School Committee and Finance Committee

MASTER PLAN STUDY

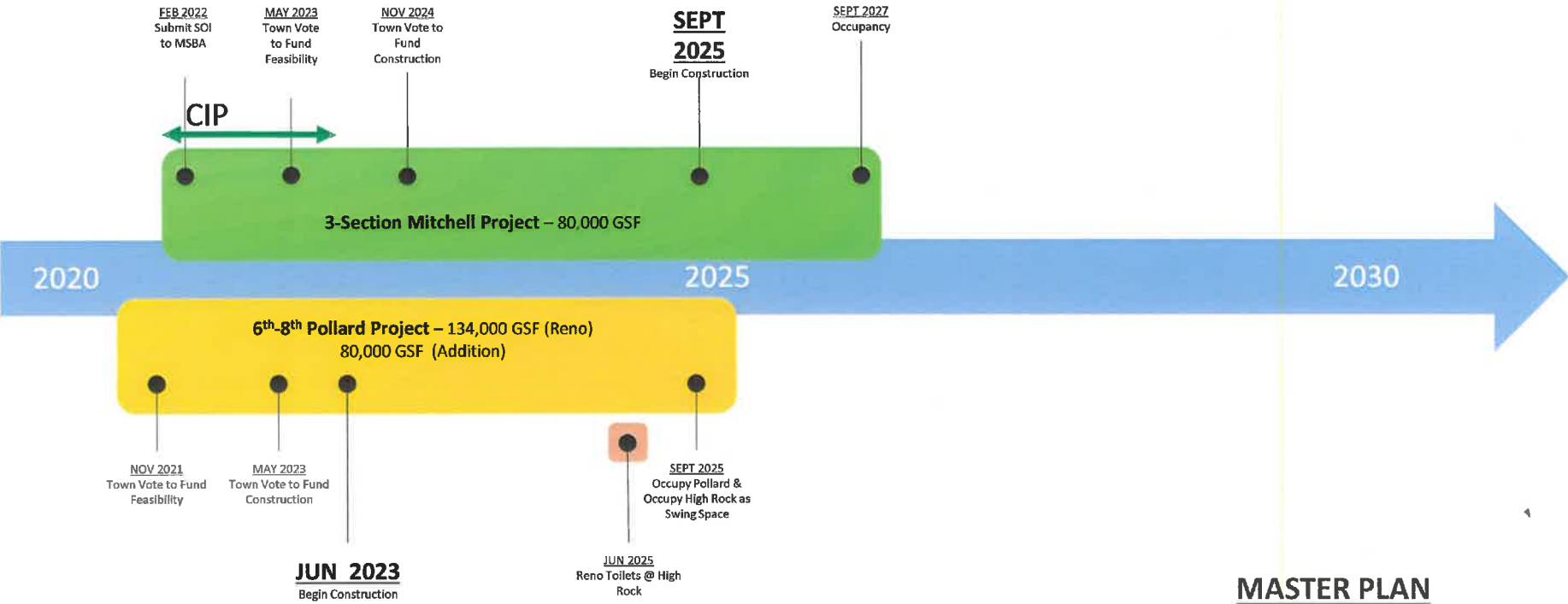
NEEDHAM, MASSACHUSETTS



Final Report

November 19, 2020

High Rock as ES Grade 6 at Pollard Scenario



MASTER PLAN
Total Duration: 70 months

Subject to change following Town Board review and funding

