

Whitman Middle School

School Building Committee // May 23, 2023

Agenda

- // Schematic Design (SD) Activities & Milestones
 // Design Update
 / Exterior Envelope & Massing Study
 / Floor Plans
- // VOTE to Approve M.O.U. for Mass Save Path 1 // Upcoming Events

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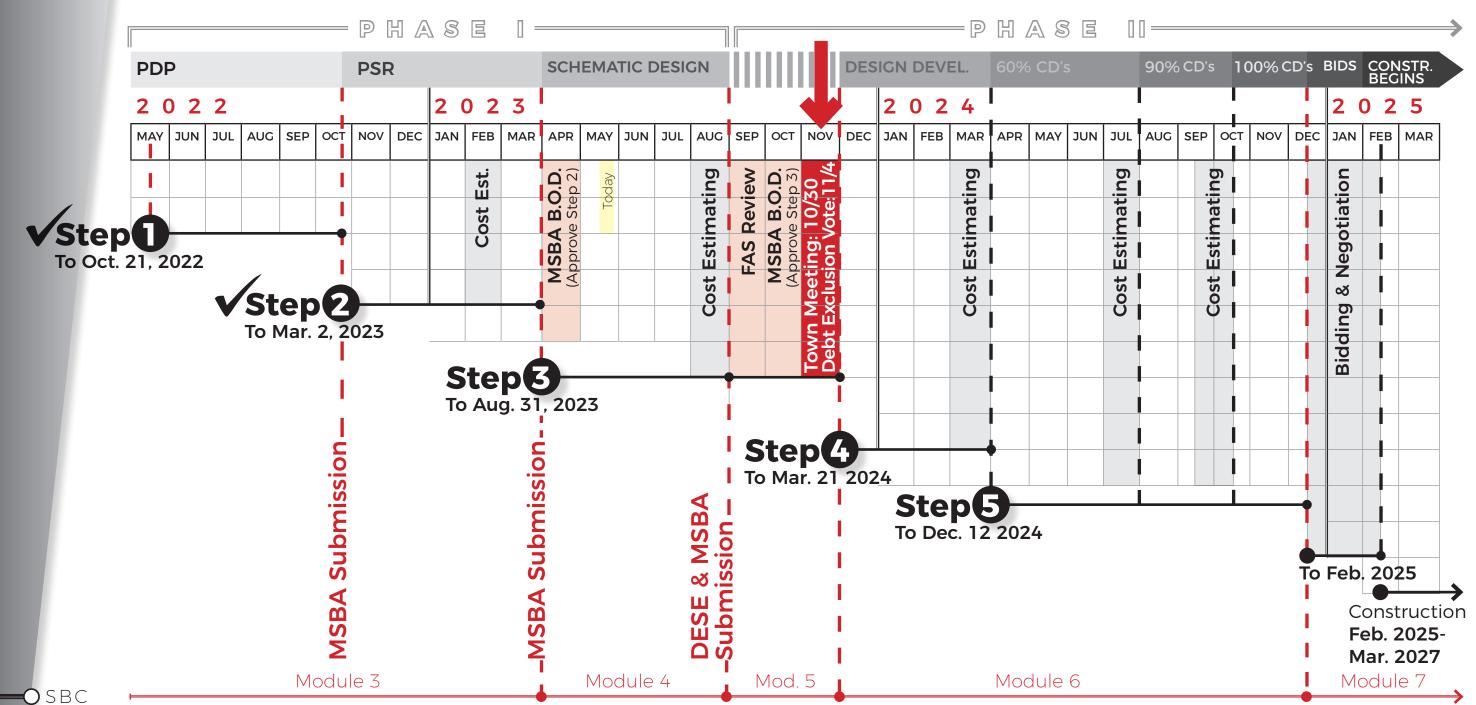
Whitman Middle School Project Website





Meeting

WMS Project Schedule Overview



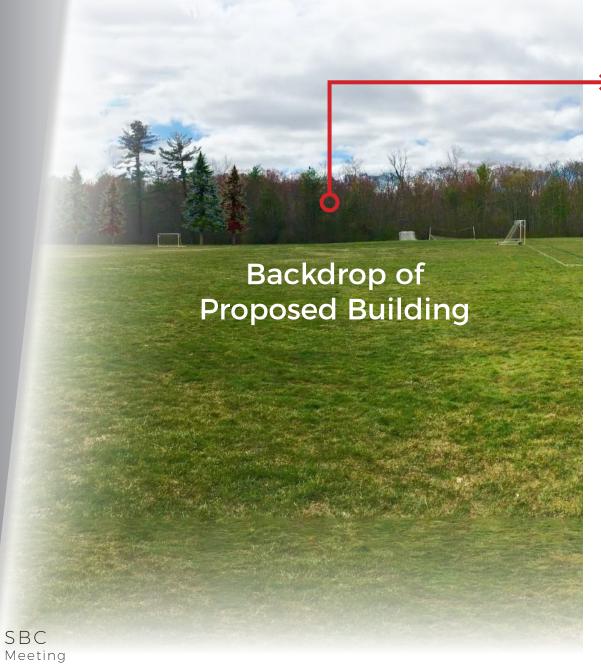
SD Activities 8 MAR APR JUN JUL AUG MAY Milestones **Final Educational Space Summary** Final Design Program Step 3 3/9 Programming Meetings w/ Educators & Staff **Security & Emergency Access Development Schematic Site Circulation Considerations & Design** Design (SD) **Site Evaluations Environmental/Geotech. & Remediation Analysis Submission Utilities Analysis & Preliminary Design** Apr. - Oct. 2023 Exterior Massing Development **Develop Exterior** Exterior Materials Study **Design Aesthetic** Meeting Sustainable Considerations **ADA & MAAB Compliance Development of Schematic Room Data Sheets Design Documents** Development of Schematic Design Documents Board **Architectural Documents Site Development Documents** 2023 Notable Dates (Proposed): Development of Schematic Design Proj. Manual May 23 // Building Committee 3/21 **Narratives of Building Systems** Jun. ?? // Building Committee SB **Establishment of Proprietary Items** July ?? // Building Committee Aug. 31 // MSBA SD Submission 4/25 **Proposed Construction Methodology** Oct. 25 // MSBA Board Meeting **Anticipated Reimbursement Rate & Incentive** Oct. 30 // Town Meeting VOTE **Total Project Budget** Nov. 04 // Debt Exclusion VOTE **Designer's Construction Cost Estimate OPM Construction Cost Estimate** Design Workplan & Project Schedule Completed Independent Cost Estimates H Initiated Value Engineering Pending Todav. Aug. 31, 2023 ◆ - > SBC (May 23) **MSBA Submission**

Meetina

Design Update



Acknowledging the Site Context



Aspects of the tree line:

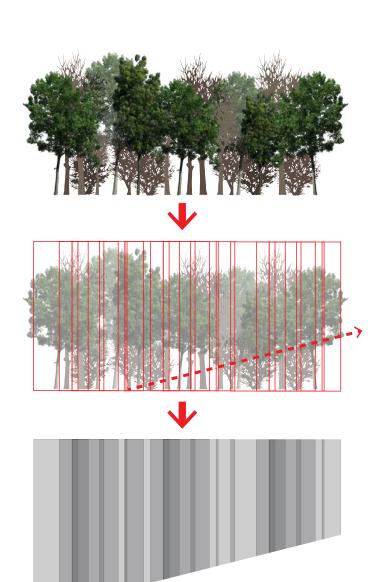
filtered light,

perceived depth,

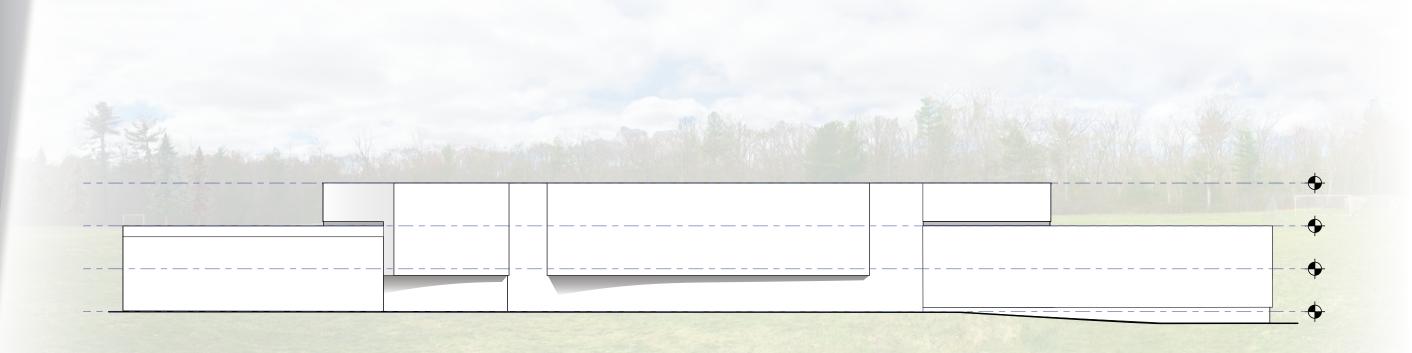
vertical in nature,

covering overhead

Lends itself to a system of vertically-oriented elements and panels that create shading & visual interest



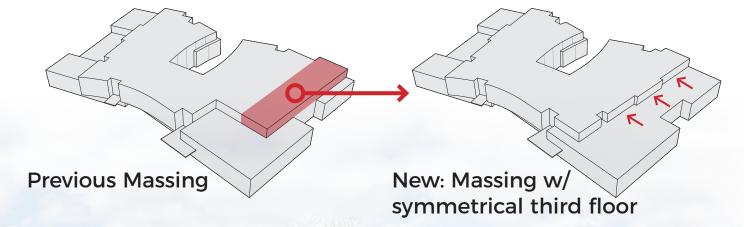
Current Massing from Front Approach (East)

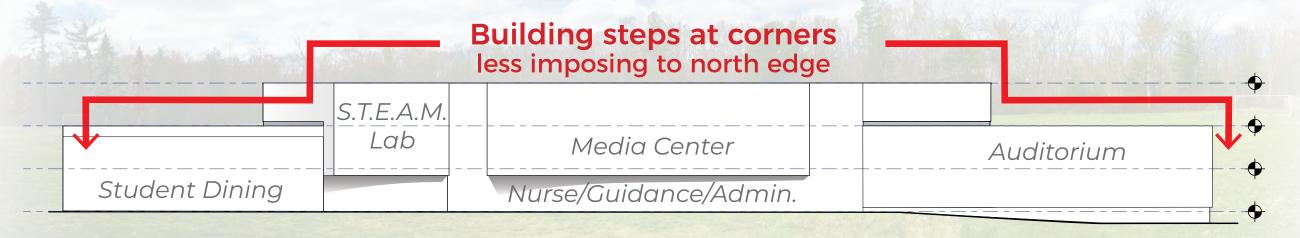




Exterior Massing Study

Massing Adjustments

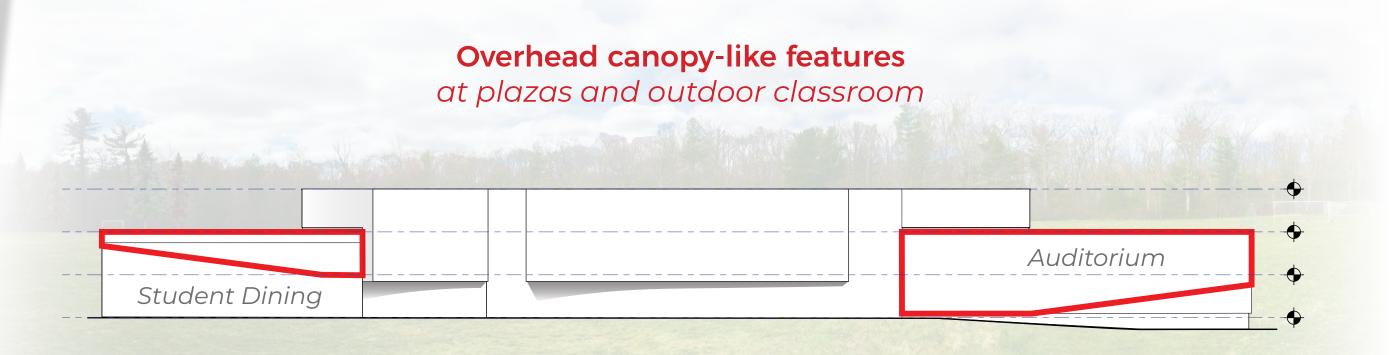




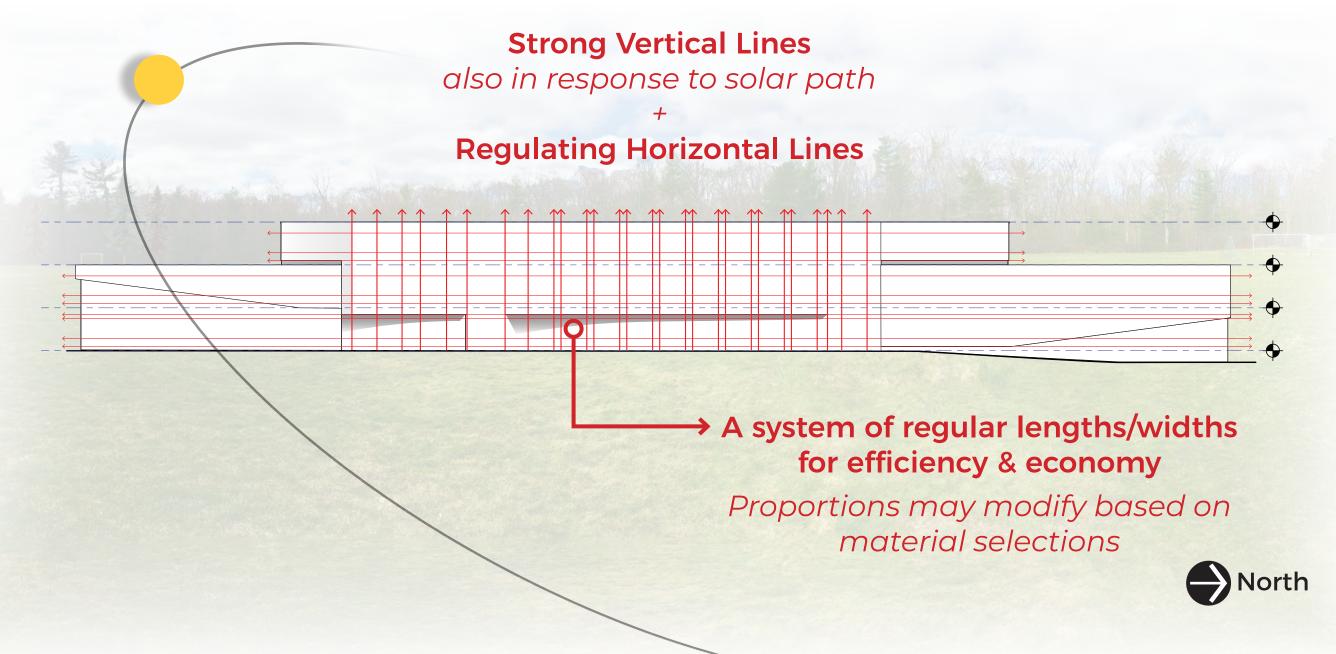
Featured spaces along front facade



Massing Adjustments



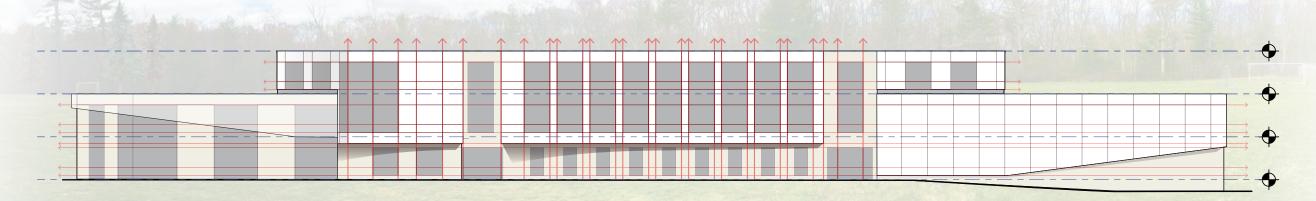
Establishing a System



Solid / Void Within a System

Integration of Glass into Envelope

conscious of window-to-wall ratio for energy efficiency & economy





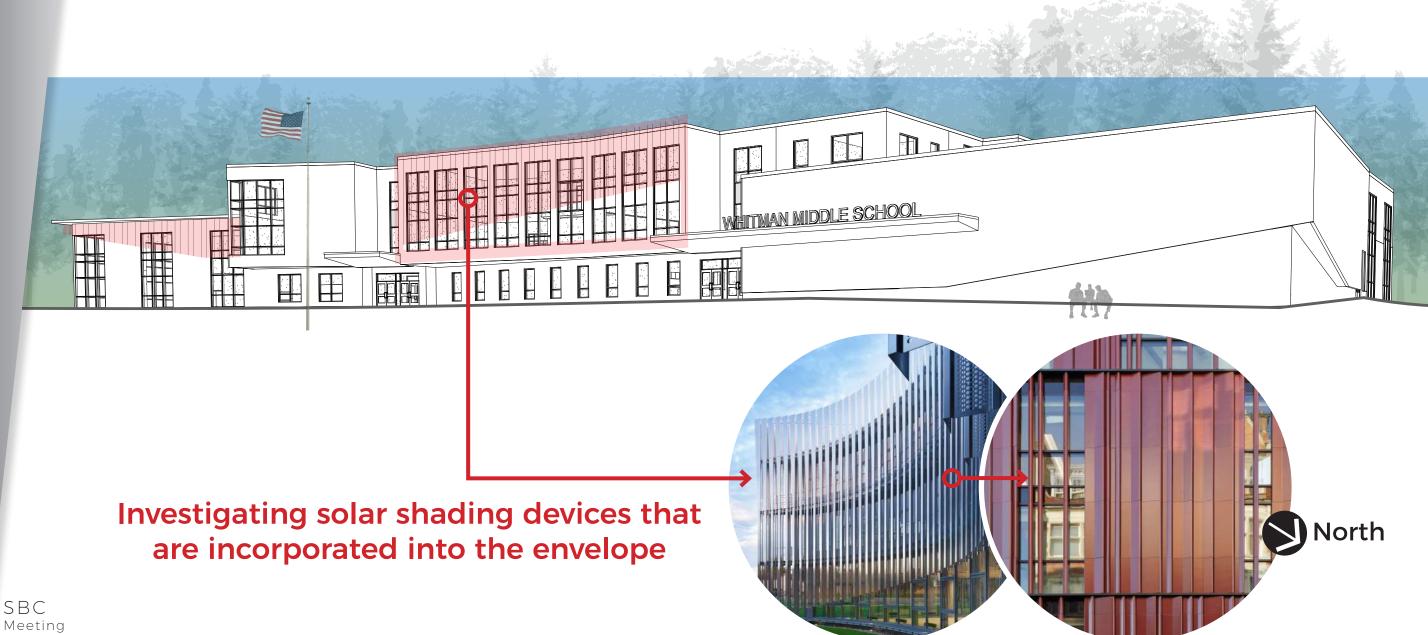
DRAFT Northeast Corner Perspective



Investigating design methods to identify the primary entry



DRAFT Northeast Corner Perspective



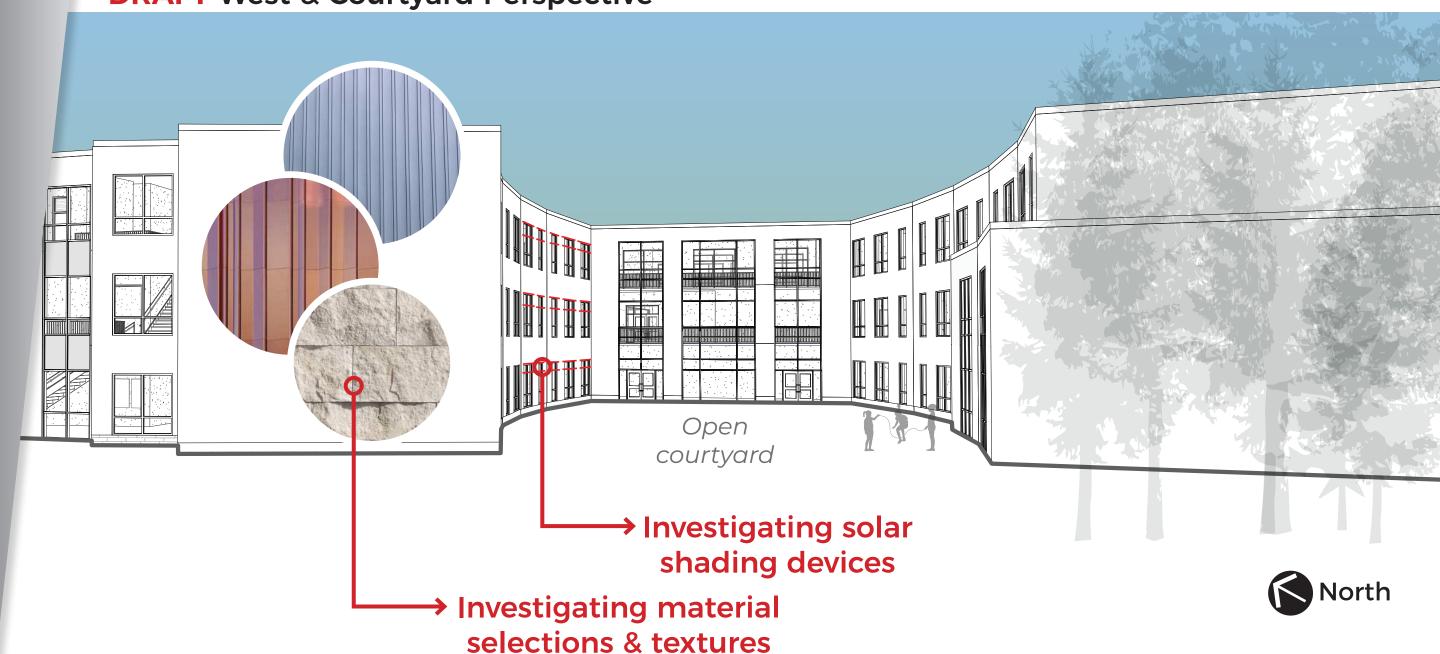
DRAFT Southeast Corner Perspective

student dining





DRAFT West & Courtyard Perspective



Whitman MS Covered **Design Update** Outdoor Classroom (8) Science Plan [(8) Soc. Stud. Classroom Classroom Multi-Purpose/ **New Const.** Wellness φ Chem. Stor. **Grades 5-8** (8) Soc. Stud. Classroom Resource (8) Science Room Classroom Elec. (8) Self-Cont. Health SPED Classroom (8) Math Classroom Gym Use Entry ASD Town Group Classroom (8) ELA Bball Classroom SRO Office Out. (8) Math Stor. Stor. Classroom Sensory/ OT/PT Émer (8) ELA Teacher Outdoor MDF Classroom Kitchen Learning Dry Stor. Plaza Custodial/ Receiving Elec. Reso. D on Band Dishaaaa wash Music Kitchen Commons Cool Dining Trash/ Lobby Recycle Conf. ORm. ≺Vest. Kitch. **Entry from** Nurse Office Staff Parking Student Vestibule Off. Off. Auditorium Principal's Office Outdoor Security Vestibule Stage Dining Secondary Entry

> Primary Entry

SBC Meeting Whitman MS
Design Update

Plan 2
New Const.
Grades 5-8





SBC Meeting Whitman MS
Design Update

Plan 3
New Const.
Grades 5-8





VOTE on Memorandum of Understanding

Energy Goal Pathway for the Whitman Middle School Project:

VOTE from 4/25/23

Mass Save Path 1

Commitment to a Net Zero & Low EUI Building (EUI of 25 or less)

\$2.00/sf Incentive* = **\$277,208** + \$1.50/sf Post Occ. Bonus* = **\$207,906**

*1-time pay out following construction

Next Step: Sign the M.O.U.

VOTE

to approve the Memorandum of Understanding for Path 1: Net Zero & Low EUI Building

Coming Soon:

Sign an Engineering Services Agreement (ESA), committing to cost sharing the services of the ZNE technical expert

Upcoming Events

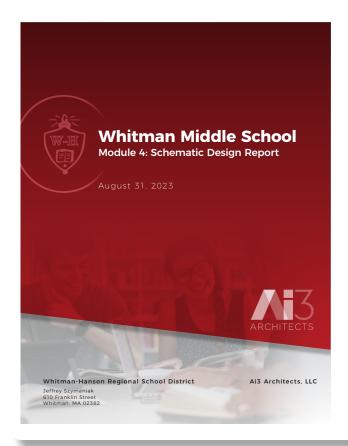
Dates & Content

SD Submission

THURSDAY

AUG 31, 2023

Due to MSBA



Submission of the Schematic Design (SD) Documents, Project Manual, & Report

Town Meeting VOTE

OCT 30, 2023

Debt Exclusion VOTE

SATURDAY

NOV 4, 2023



Questions?

Thank you

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