

Presentation to:

April 8, 2013

Board of Selectmen
Belmont School Committee
Board of Library Trustees

Underwood Playground



Bargmann Hendrie + Archetype, Inc.

Agenda

Our Findings

The Existing Pool

Option 1- Rebuilding the Existing Pool

Option 2- Pool and Field

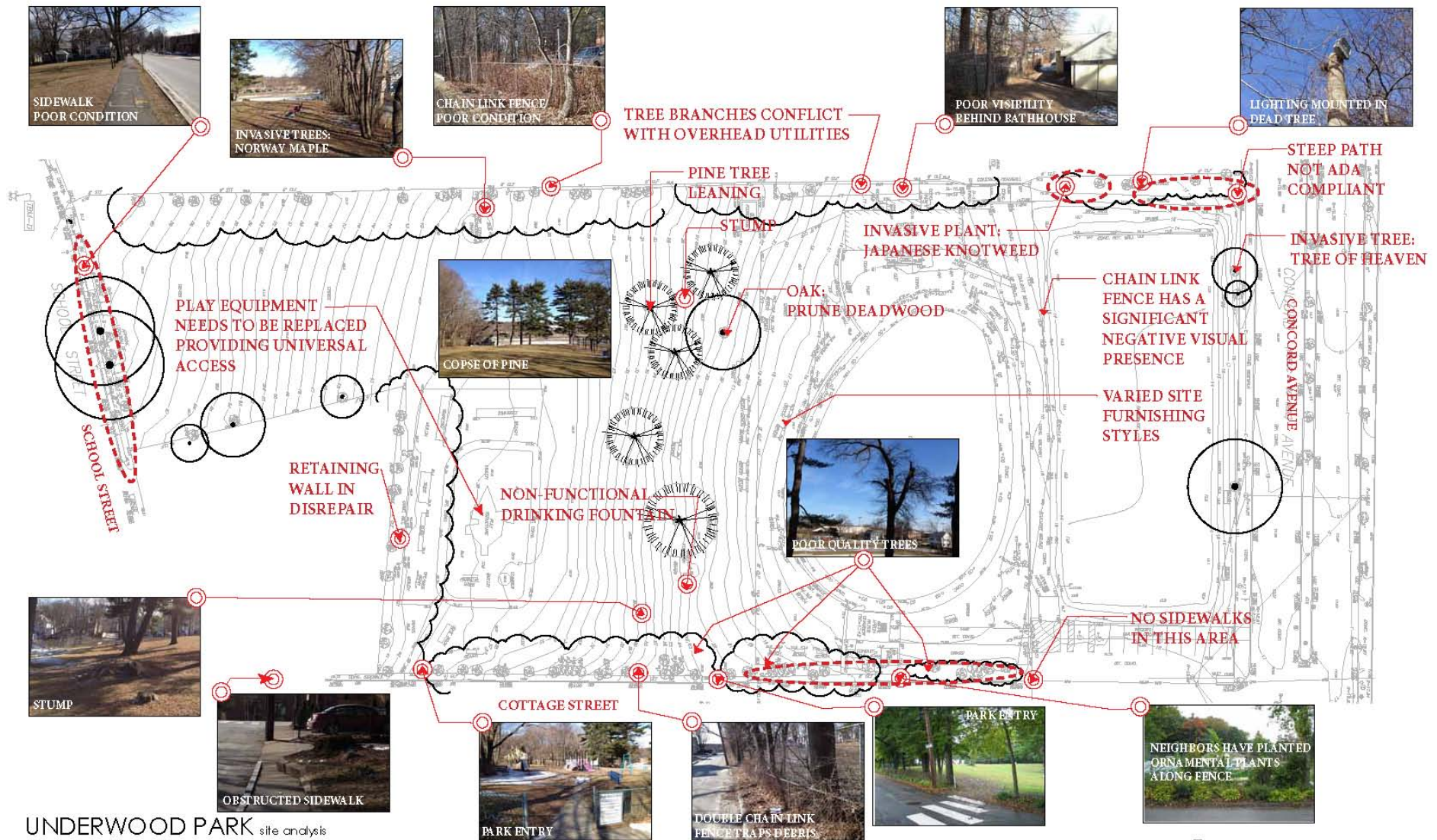
Option 3- Pool and Field

Questions

The Project Site



Site Constraints



UNDERWOOD PARK site analysis

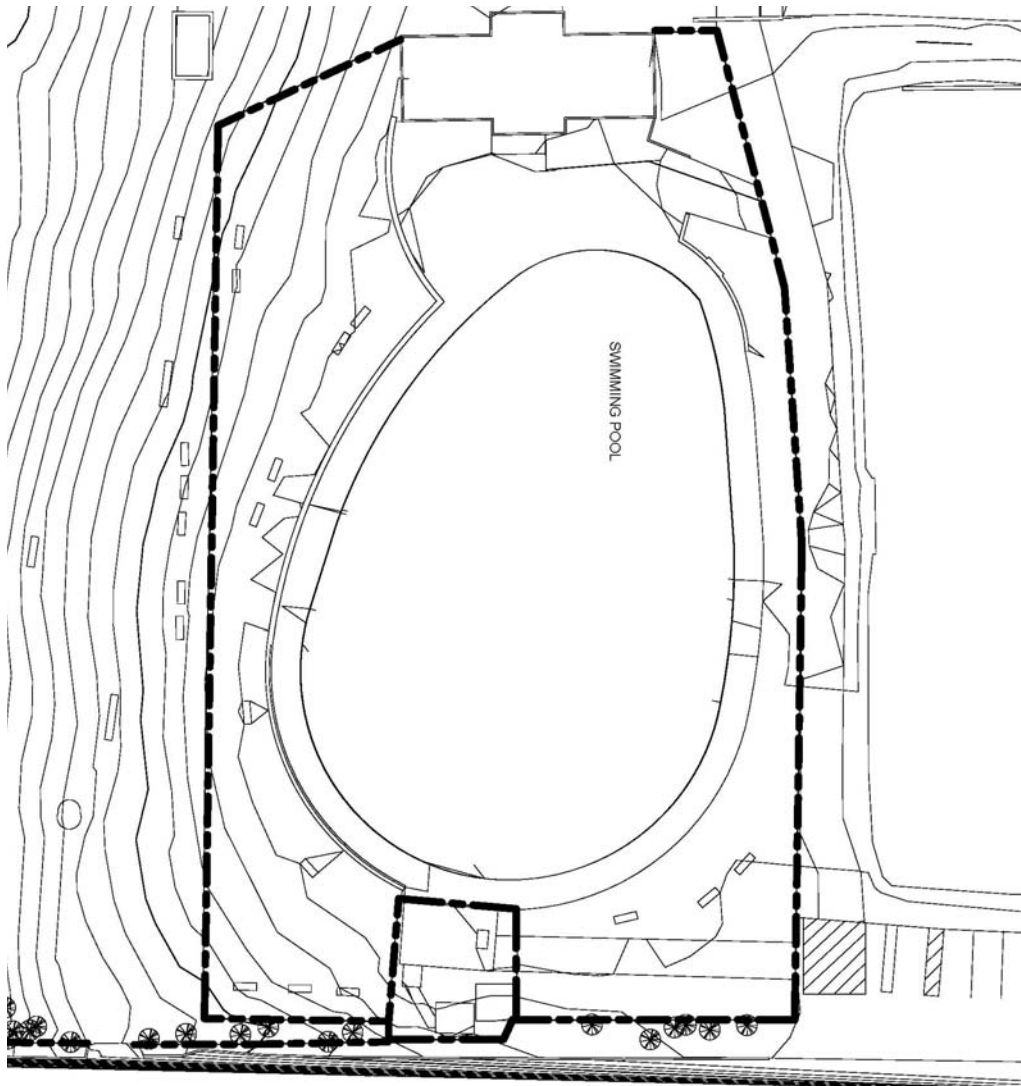
BELMONT, MA

02/12/2013



kzla

Existing Pool Complex



COTTAGE STREET



Pool



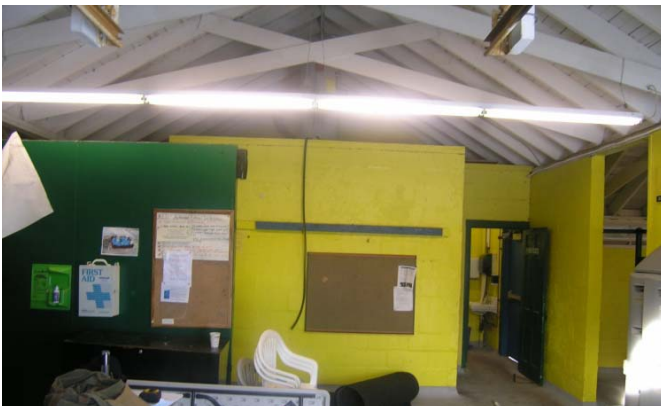
- 15,500 SF of Surface Area
- 425,000 Gallons
- Calculated Bather Load: 900 Bathers
- No Existing Surface Skimming
- Pool Profile Not Compliant with Pool
- Standards for Depth, Slope, and Segregation of Shallow and Deep Areas
- Pool Surface Is Difficult to Maintain

Filtration System



- Equipment Has Exceeded its Useful Service Life
- Operates at Code Minimum Flow Rates
- Outdated Filter Media
- Filter Building is Confined Space
- Arrangement Difficult to Service
- Filter Building is Subject to Flooding

Bathhouse

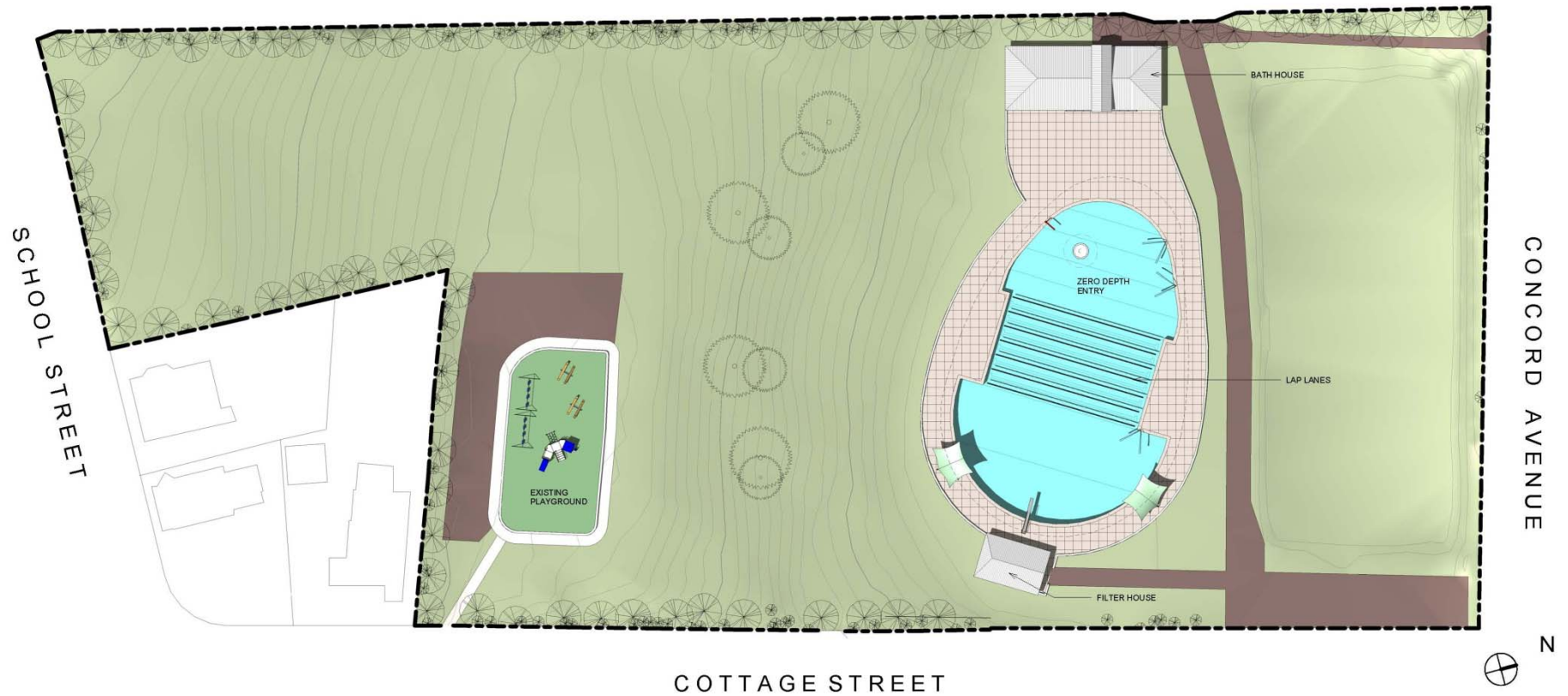


- Not Compliant with MAAB/ADA
- Does Not Provide Code Required Plumbing Fixture Count
- No Secure Staff/First Aid Areas
- Structural Repairs Required at Roof Walls and Foundations
- Mechanical Ventilation Required
- Plumbing and Electrical Systems Have Exceeded Useful Service Life

Building with High Ground Water



Option1- Rebuild Existing Complex

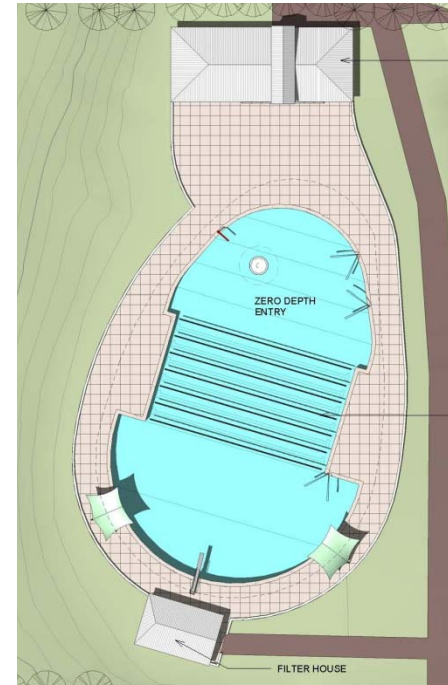


Option1- Rebuild Existing Complex

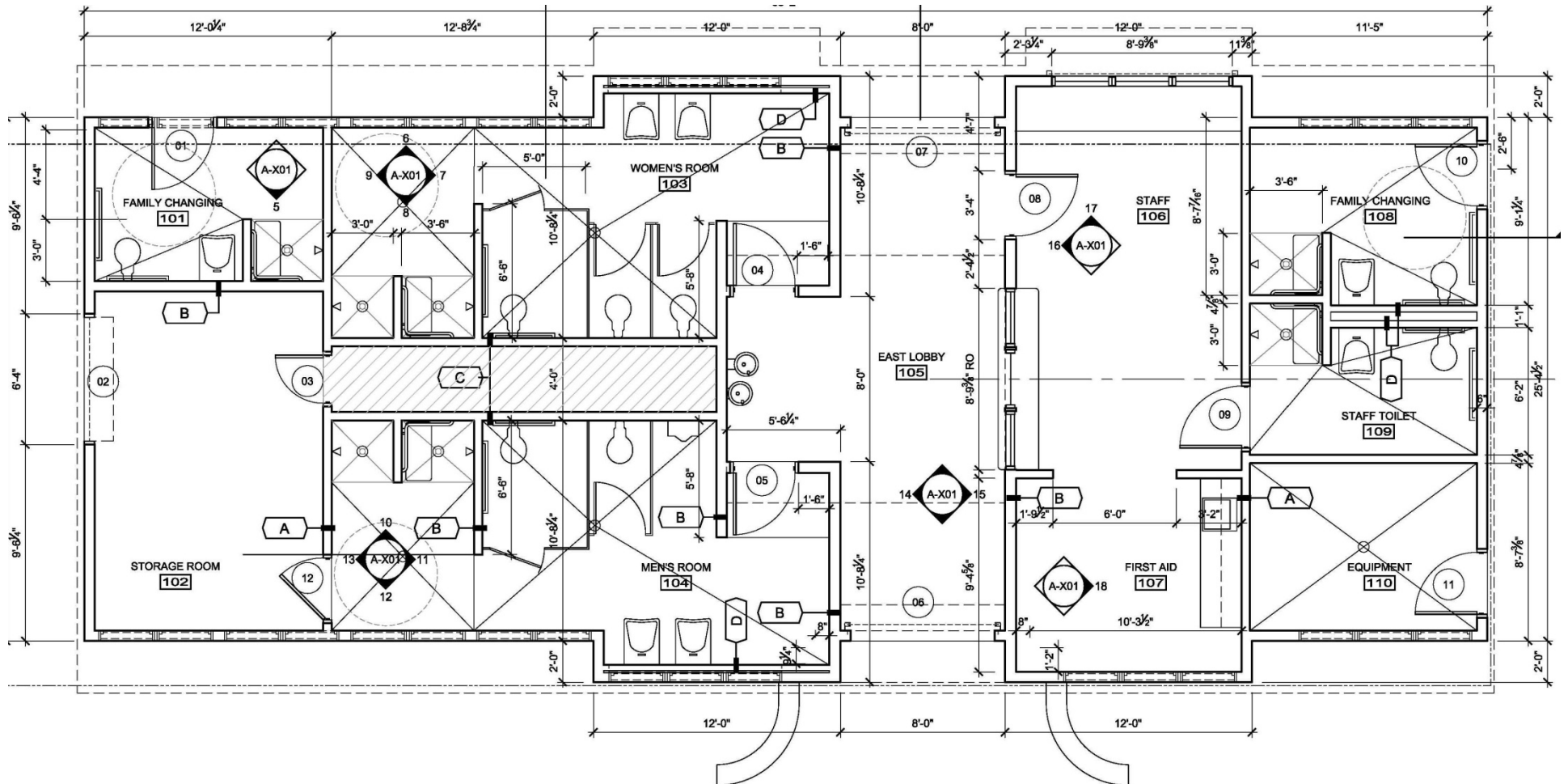


Option1- Rebuild Existing Complex

- New 11,175 SF Swimming Pool
- Bather Load of 680
- Zero Depth Beach Entry
- Water Features
- Defined Lap Swimming
- Regulation Depth for Diving & Red Cross Training
- Above Ground Filter Building.
- Pool Elevation Raised
- Renovated/Rebuilt or New Bathhouse at 3,200 SF
- Site Development Similar to Existing



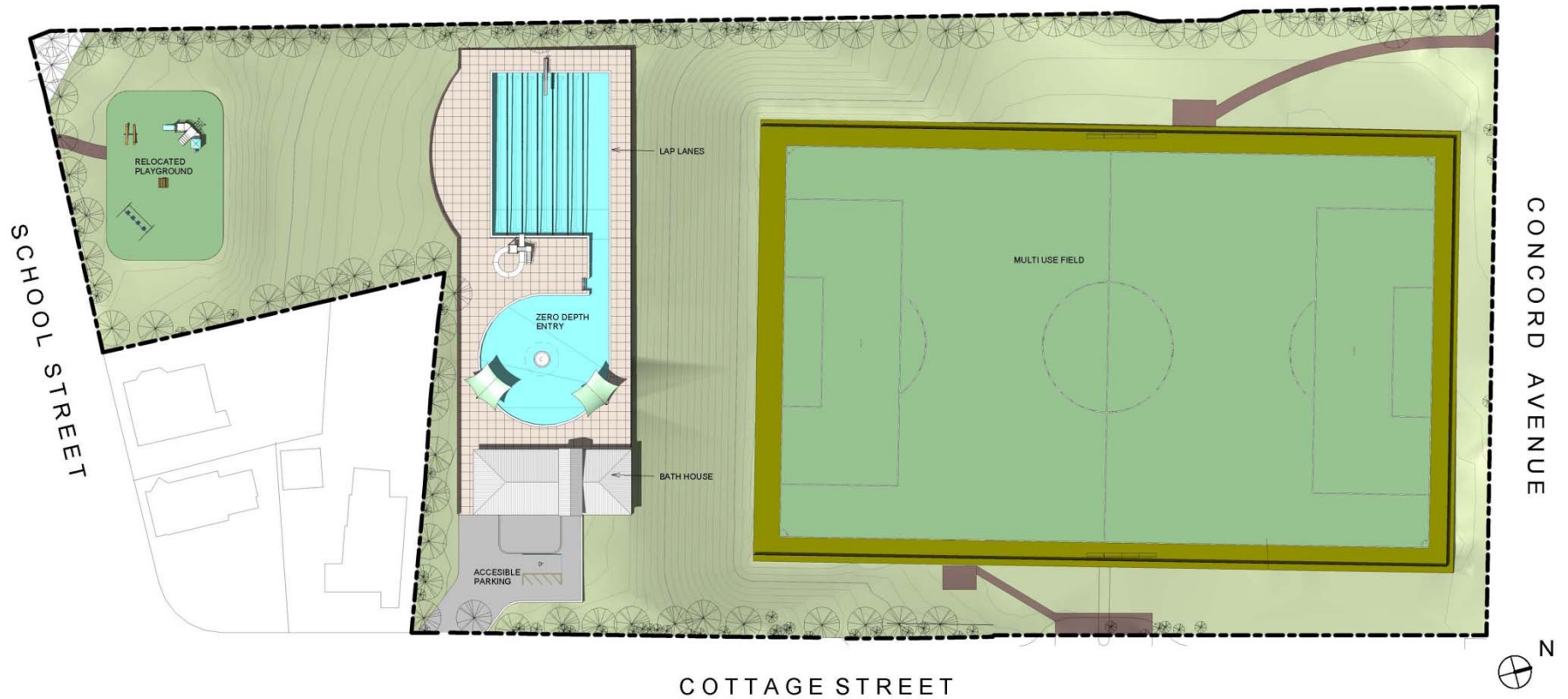
Bathhouse Concept



Filled Turf Artificial Field



Option 2- Athletic Field Relocated Pool



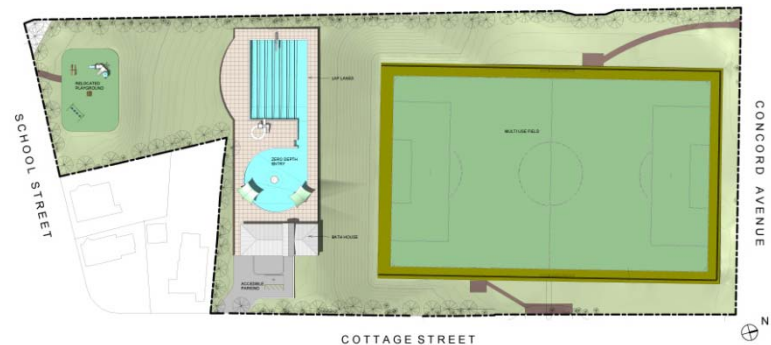
Option 2- Athletic Field Relocated Pool



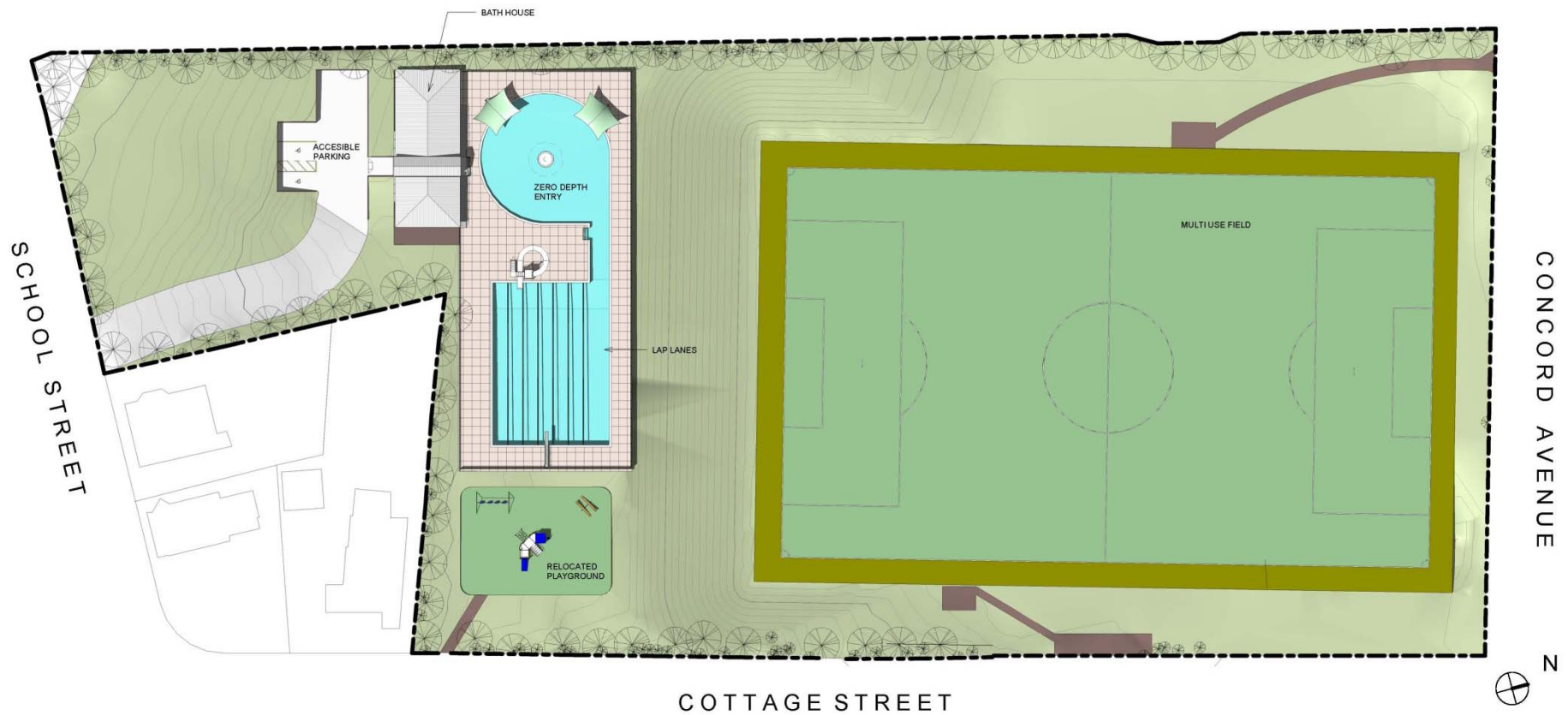
OPTION 2

Option 2- Athletic Field Relocated Pool

- New 6,500 SF Swimming Pool
- Bather Load of 388
- New 2,800 SF Bathhouse
- Beach Entry, Diving, Lap Swimming
- Water Features
- Relocated Playground Adjacent To School Street
- Accessible Parking At Building
- Public Access from Cottage St. Only
- 300 x 180 Multi-Use Field
- Field is 2 feet above Culvert
- Accessible Parking Along Cottage Street for Field
- 10 Ft. High Fence on Concord Ave. End of Field
- Safety Netting Along Concord Ave
- 3:1 Slope Cut into Hill
- Site Trees are Removed



Option 3- Athletic Field Relocated Pool



Option 3- Athletic Field Relocated Pool



OPTION 3

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- New 6,500 SF Swimming Pool
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- New 2,800 SF Bathhouse
- Beach Entry, Diving, Lap Swimming
- Water Features
- Relocated Playground Access from Cottage
- Accessible Parking At Building
- Public Access from School Street.
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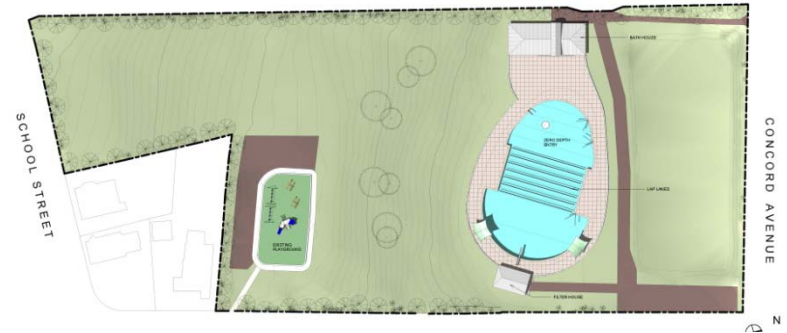


Project Budgets

Option 1:

New Pool In Current Location

Estimated Total Project Cost \$4.3 Million

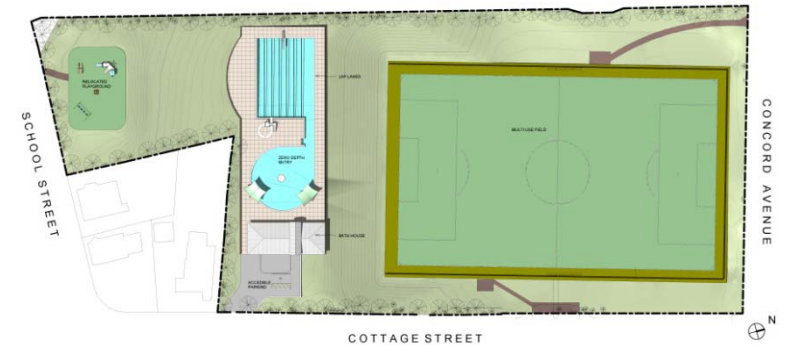


Option 2:

New Pool and Multi-Use Field

Relocated Pool- Access from Cottage St.

Estimated Total Project Cost \$6.1 Million

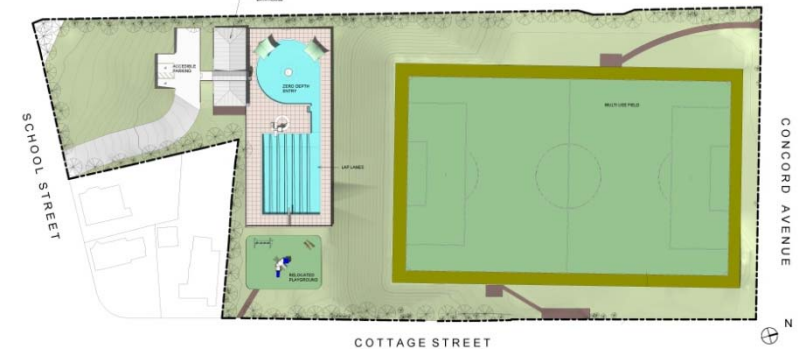


Option 3:

New Pool and Multi-Use Field

Relocated Pool- Access from School St.

Estimated Total Project Cost \$6.1 Million



Comments & Questions

