

Board of Selectmen Schematic Design Review

Needham Senior Center

April 26, 2011



MBTA Easement



MBTA

Preliminary Studies



Site Plan

85 MBTA spaces
64 SC spaces on site
89 total SCspaces

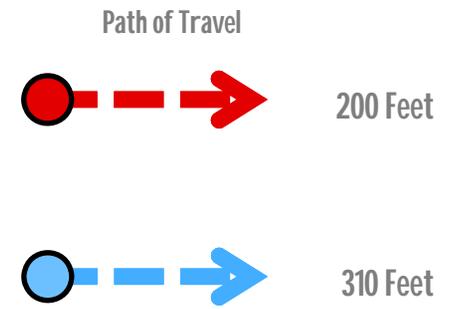
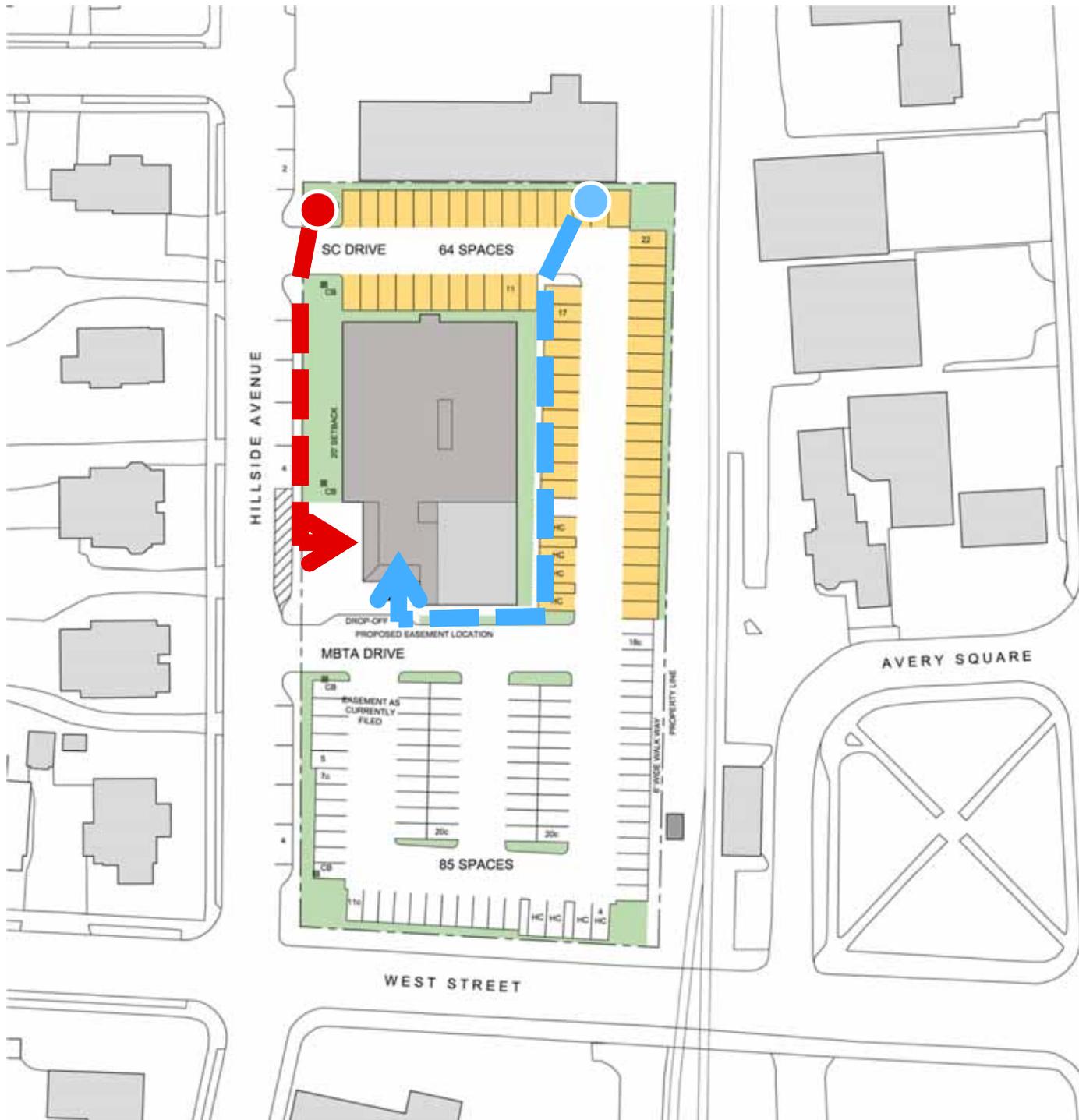


Site Context Study



Option 4

Travel Distance



Trader Joe's parking lot

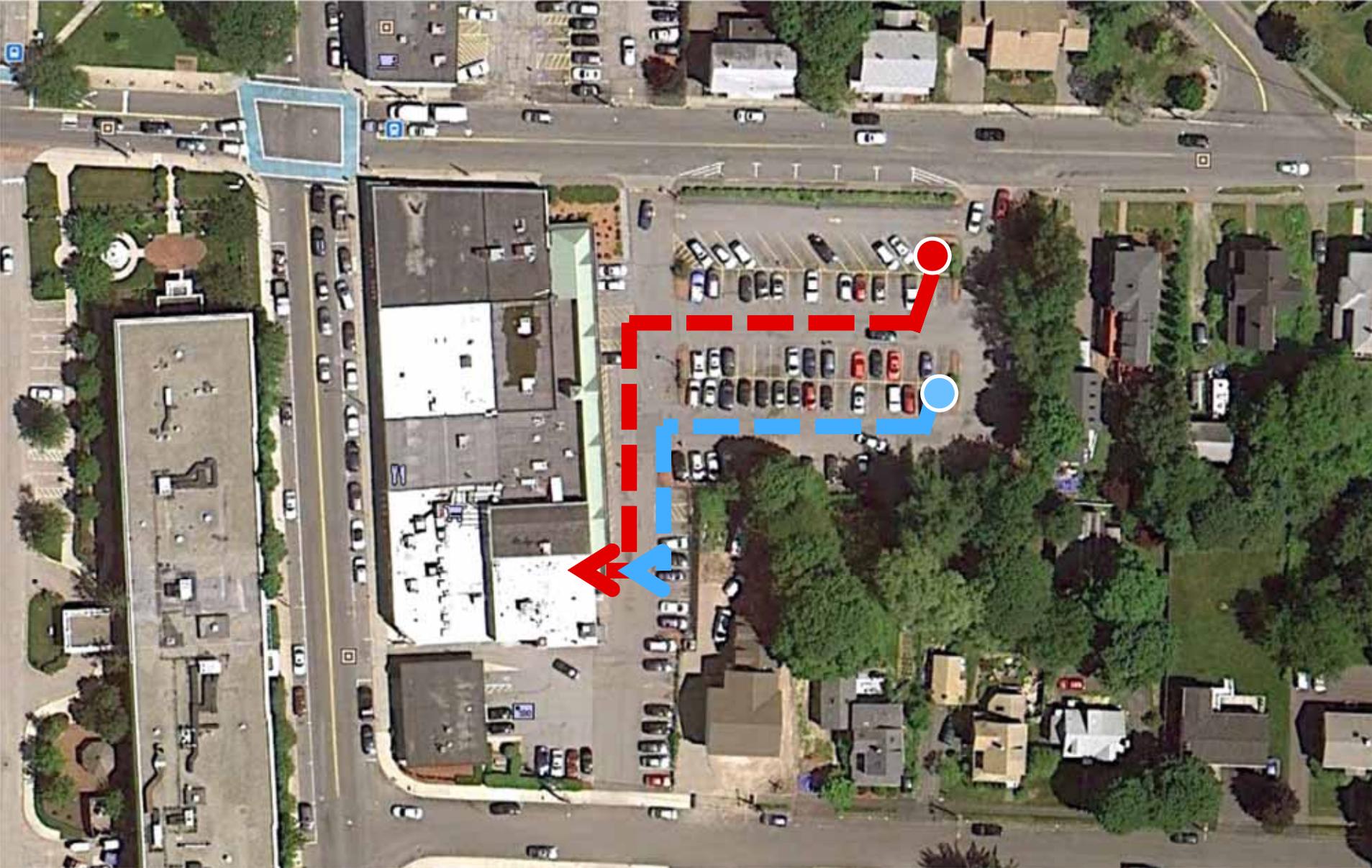
Path of Travel



340 Feet



280 Feet



Needham Public Library parking lot

Path of Travel



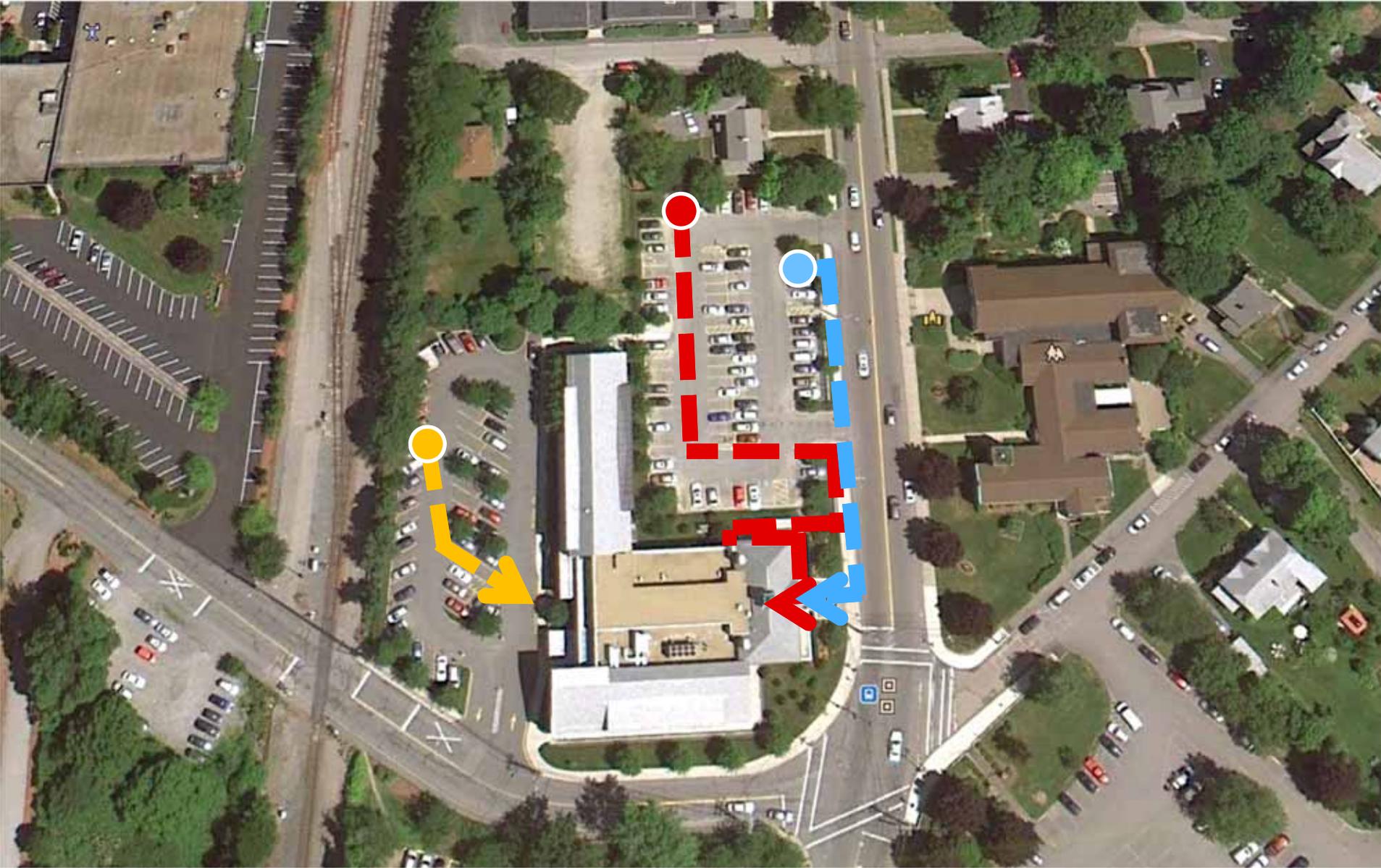
468 Feet



276 Feet



138 Feet



Sudbury Farms parking lot

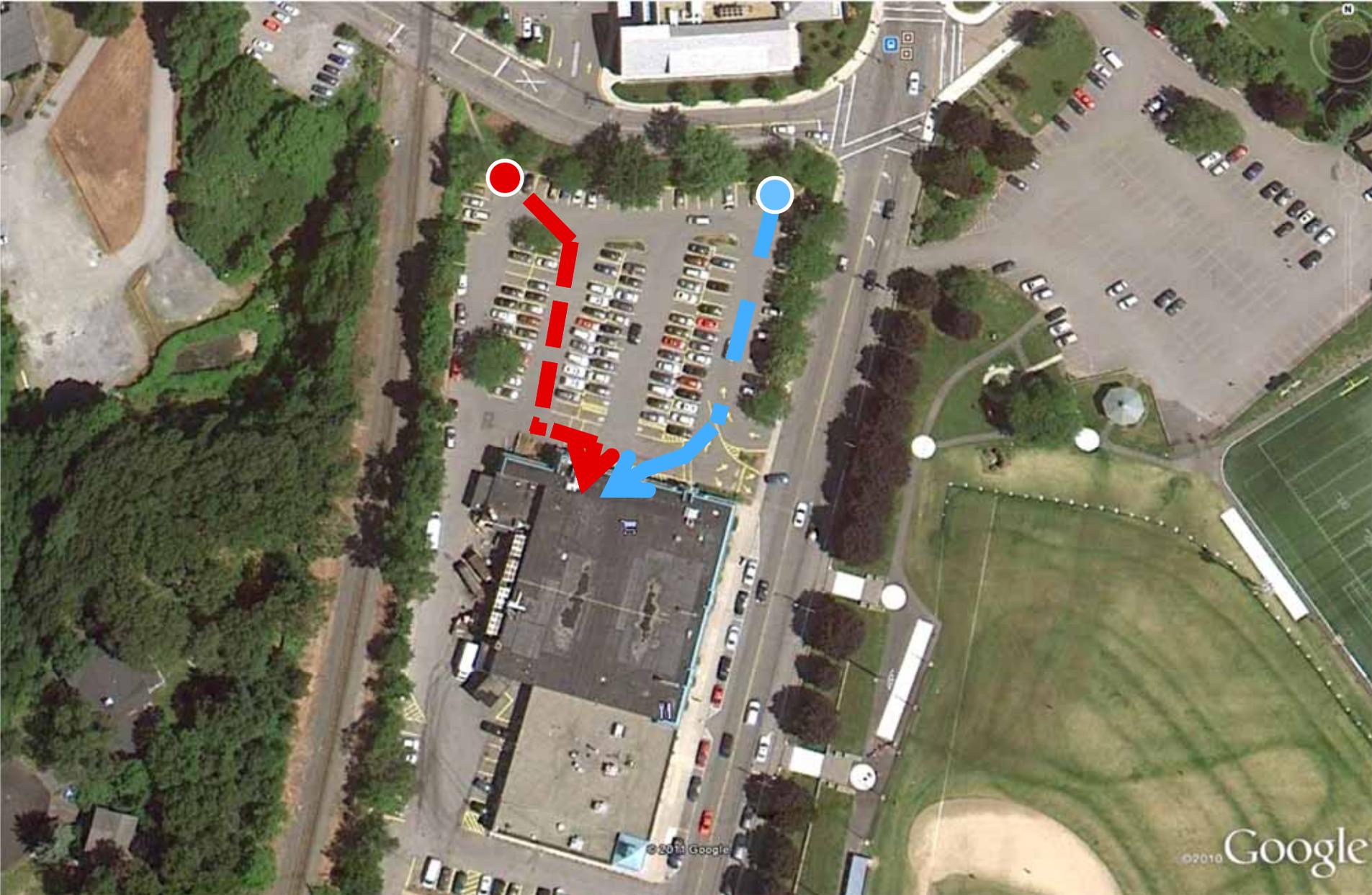
Path of Travel



271 Feet



286 Feet



Walgreens parking lot to existing Needham Senior Center

Path of Travel



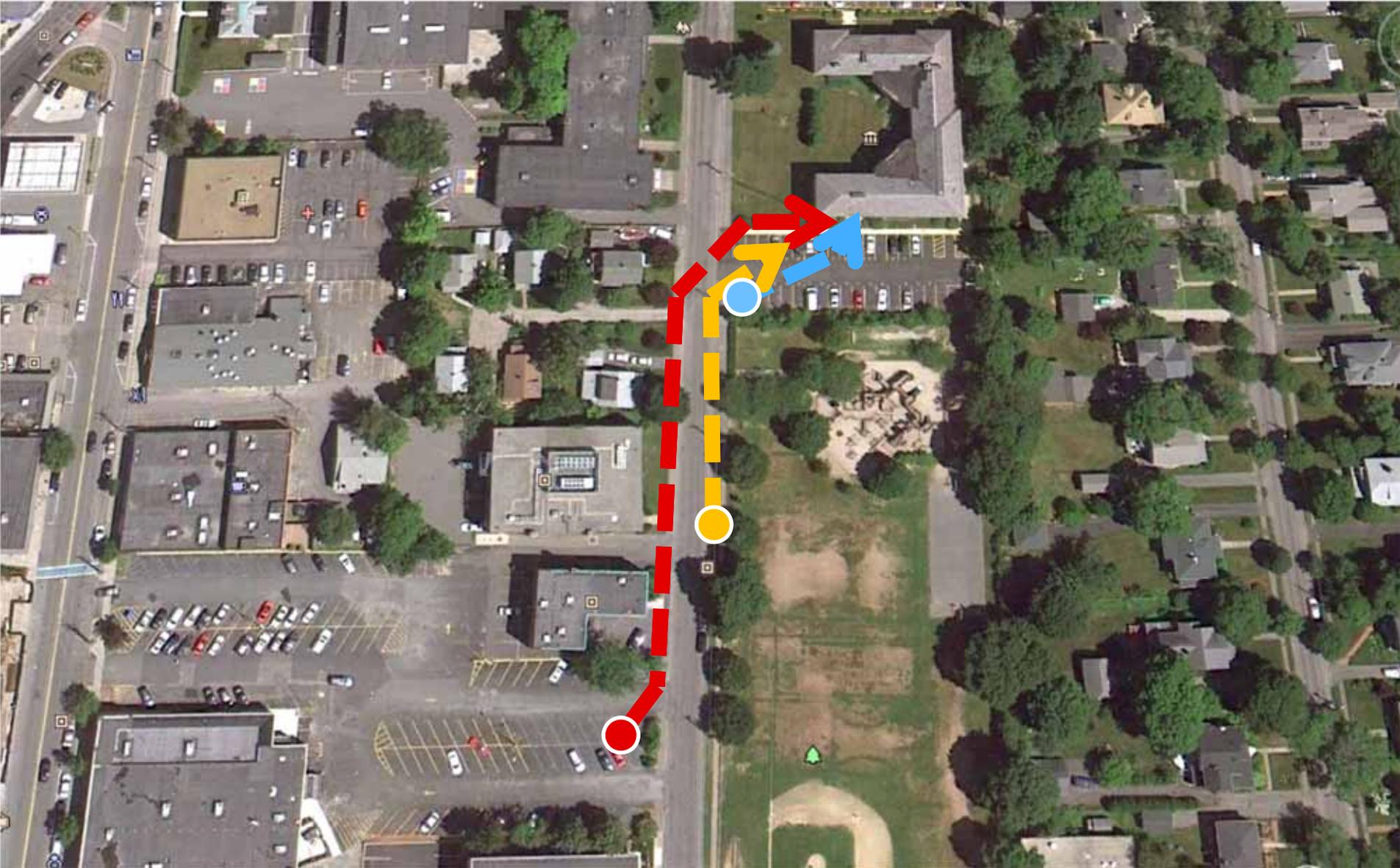
495 Feet



118 Feet



320 Feet

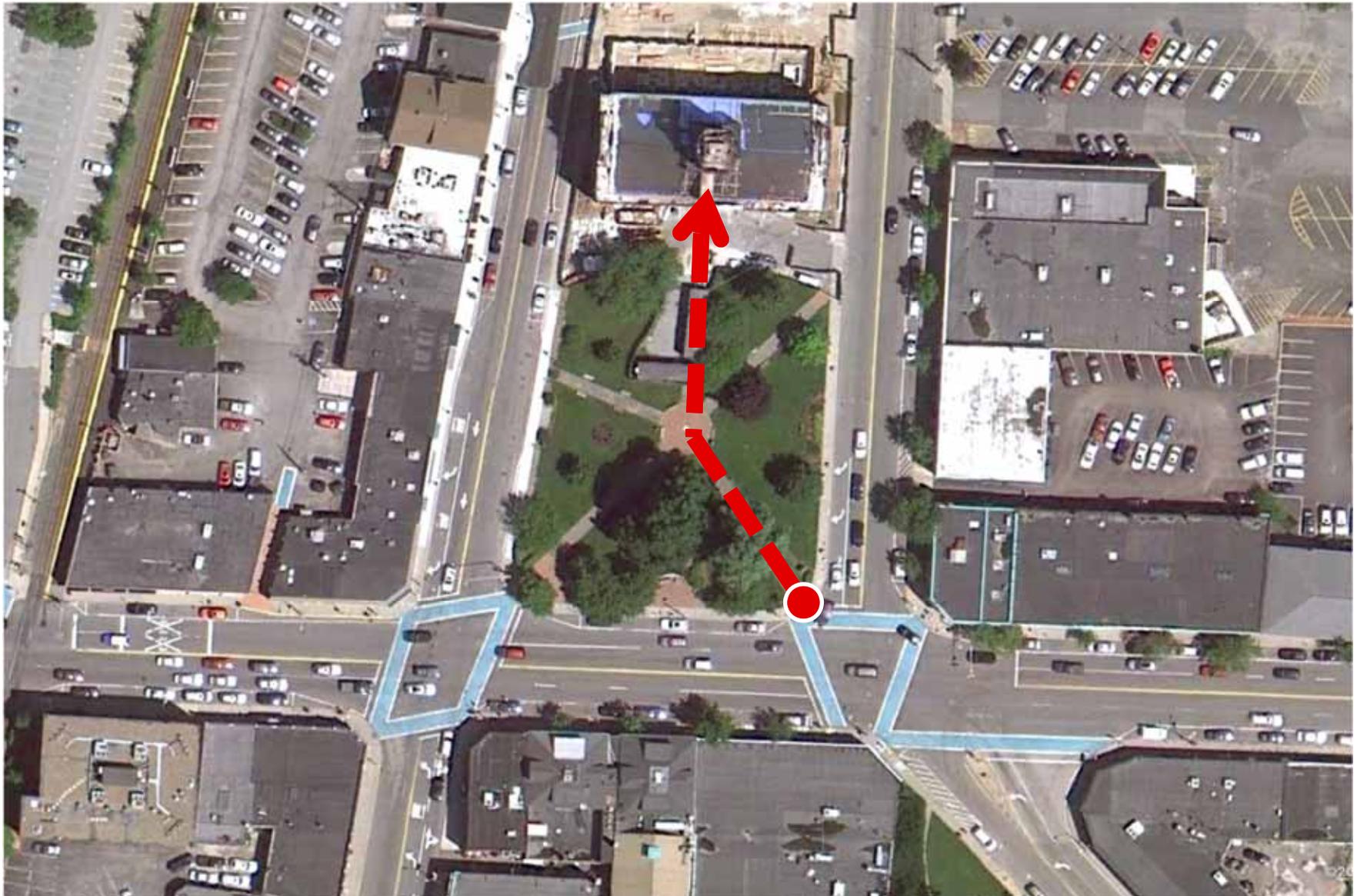


Town Hall Common

Path of Travel



251 Feet



Northborough Senior Center

Path of Travel



342 Feet



302 Feet



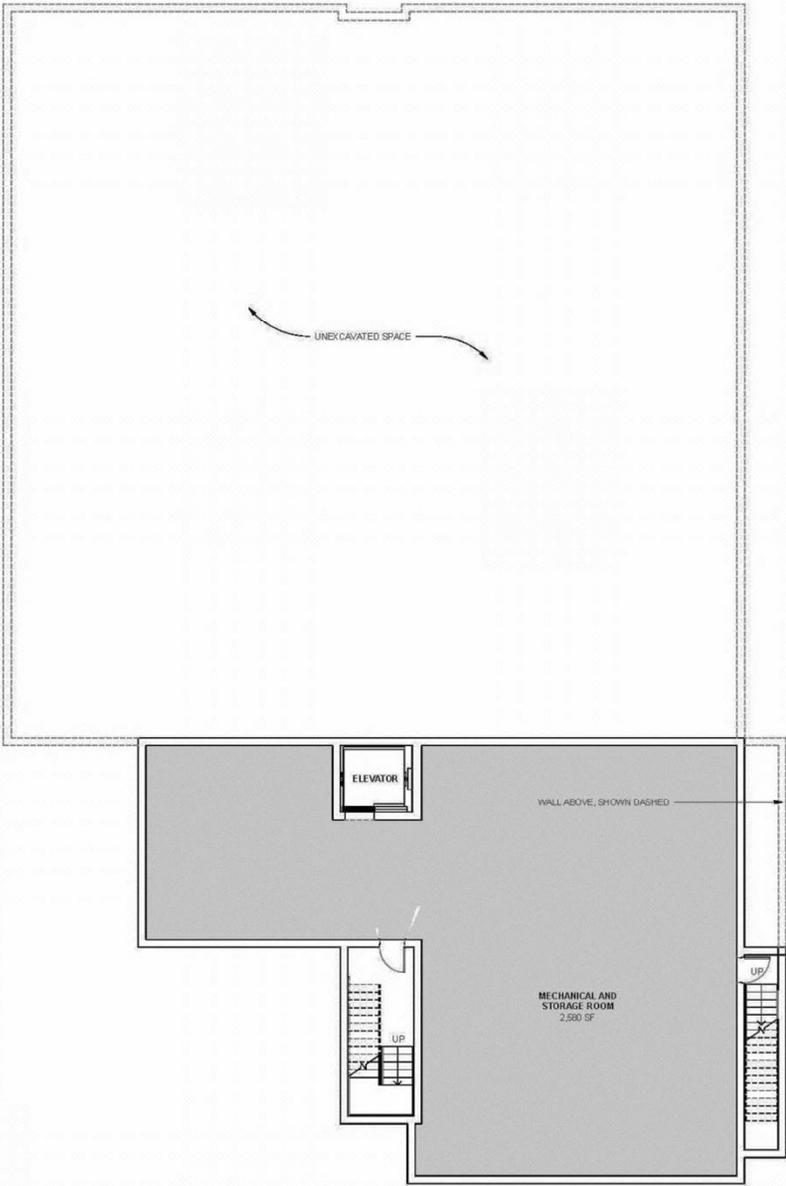
First Floor



Second Floor



Basement Plan



Green

Reduce Demand,
Design best system
Results

High Performance Walls and Roof (super insulated)

High Performance Windows (Frames & Glass)

Shading Devices on Windows to control heat gain

High efficiency HVAC system with

Energy Recovery

Efficient lights (less than 1 watt per square foot for lighting)

Low Water use fixtures

Reduce Operational Cost

Very low on site emissions

No cooling tower (noise and appearance)

Elevation Studies



WEST ELEVATION OPTION ONE



WEST ELEVATION OPTION TWO



WEST ELEVATION OPTION THREE

Elevation Studies



SOUTH ELEVATION OPTION ONE



SOUTH ELEVATION OPTION TWO



SOUTH ELEVATION OPTION THREE

Key Milestones

Prelim Design Review Board

May 16

Prelim Planning Board

May 17

Final Design Review Board

August 15

Planning Board Hearings

Sept 20 / Oct 18

Town Meeting

November