

# Belmont Public Library

Library Building Committee Meeting #7  
March 28, 2023





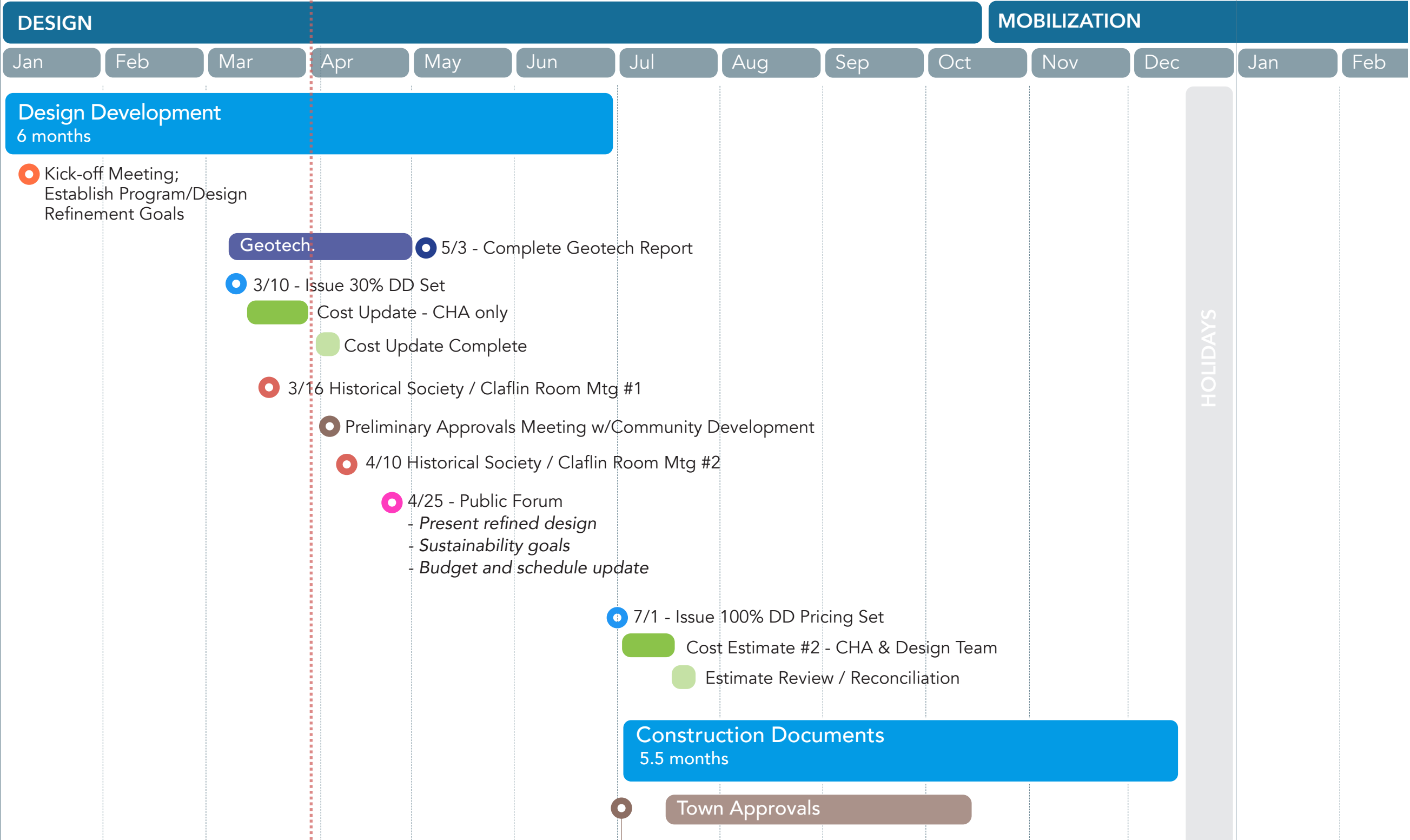
## Agenda

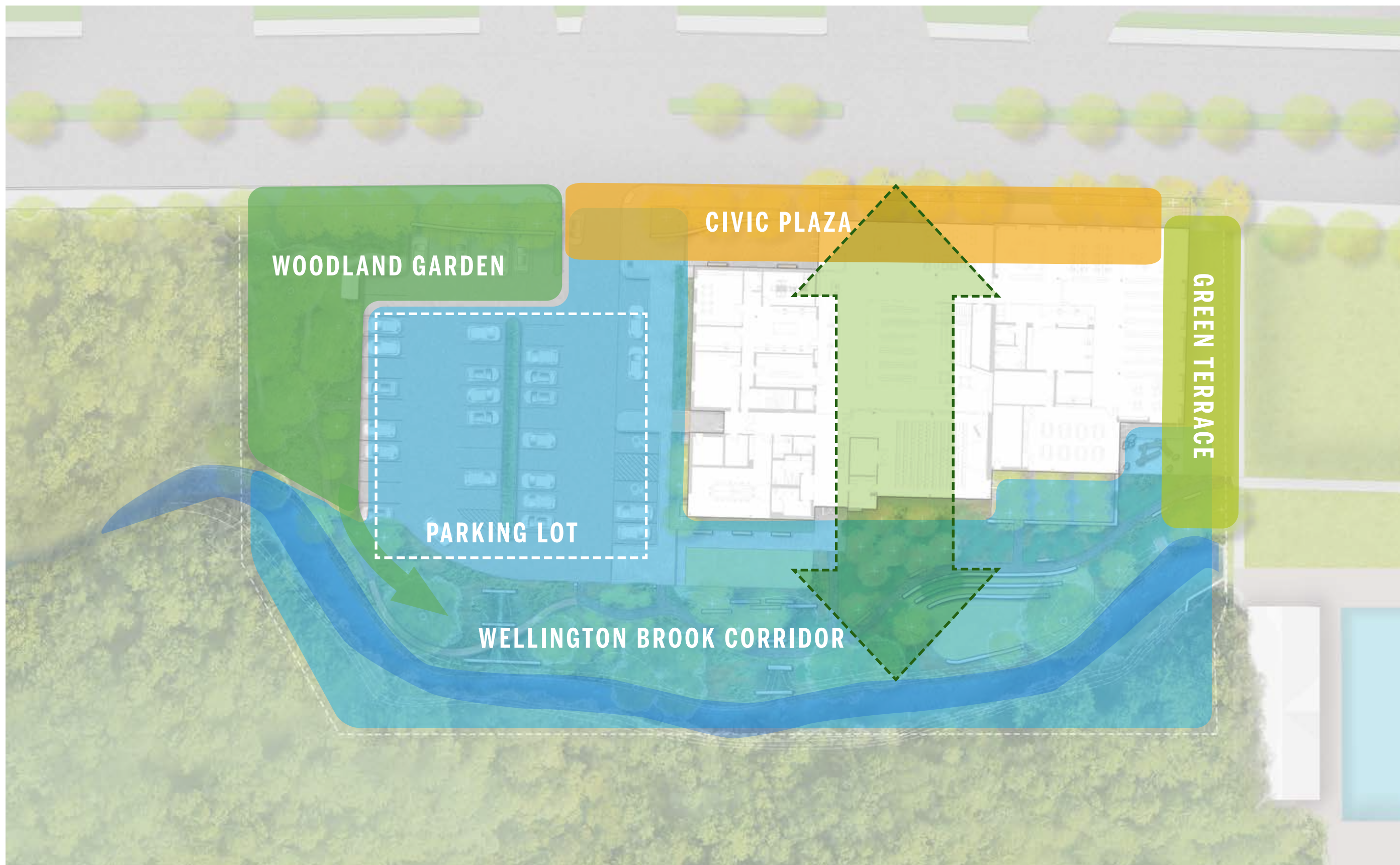
1. Welcome Public
2. Approve 3/14/2023 Meeting Minutes
3. Invoices
4. Update
  - a. Contracts
5. Design Update
  - a. Schedule
  - b. Landscape (Stimson)
  - c. Claflin Room Update
6. Public Comment
7. Adjourn

2023

2024

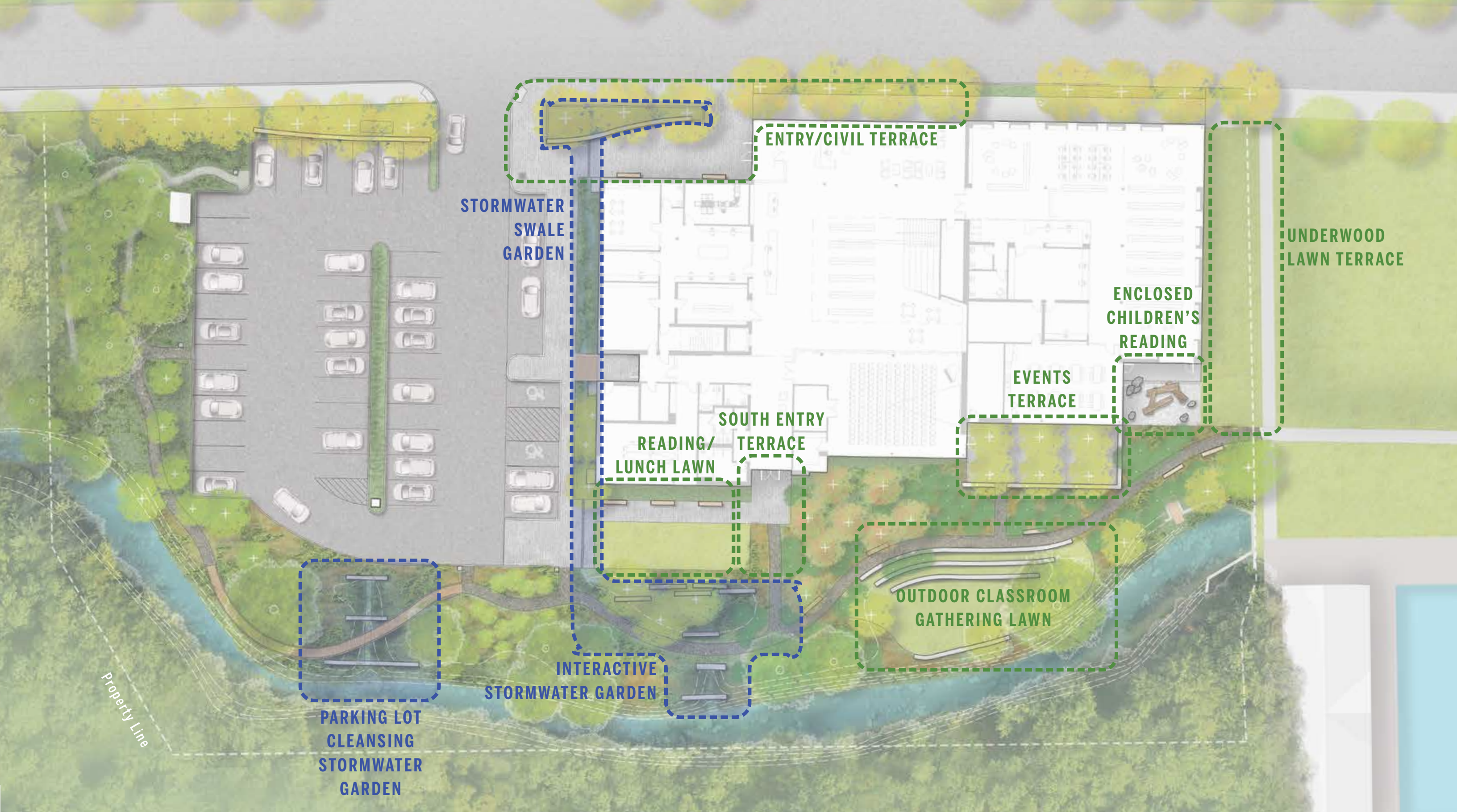
We are here





DESIGN: Bringing the Landscape Inside





STORMWATER  
SWALE  
GARDEN

ENTRY/CIVIL TERRACE

UNDERWOOD  
LAWN TERRACE

ENCLOSED  
CHILDREN'S  
READING

EVENTS  
TERRACE

READING/  
LUNCH LAWN

SOUTH ENTRY  
TERRACE

OUTDOOR CLASSROOM  
GATHERING LAWN

INTERACTIVE  
STORMWATER GARDEN

PARKING LOT  
CLEANSING  
STORMWATER  
GARDEN

# SITE PROGRAM





## SCHEMATIC DESIGN SITE PLAN

BELMONT LIBRARY Belmont, MA  
Schematic Design • 03 28 2023

STIMSON





SCHEMATIC DESIGN VIEW

BELMONT LIBRARY Belmont, MA  
Schematic Design • 03 28 2023



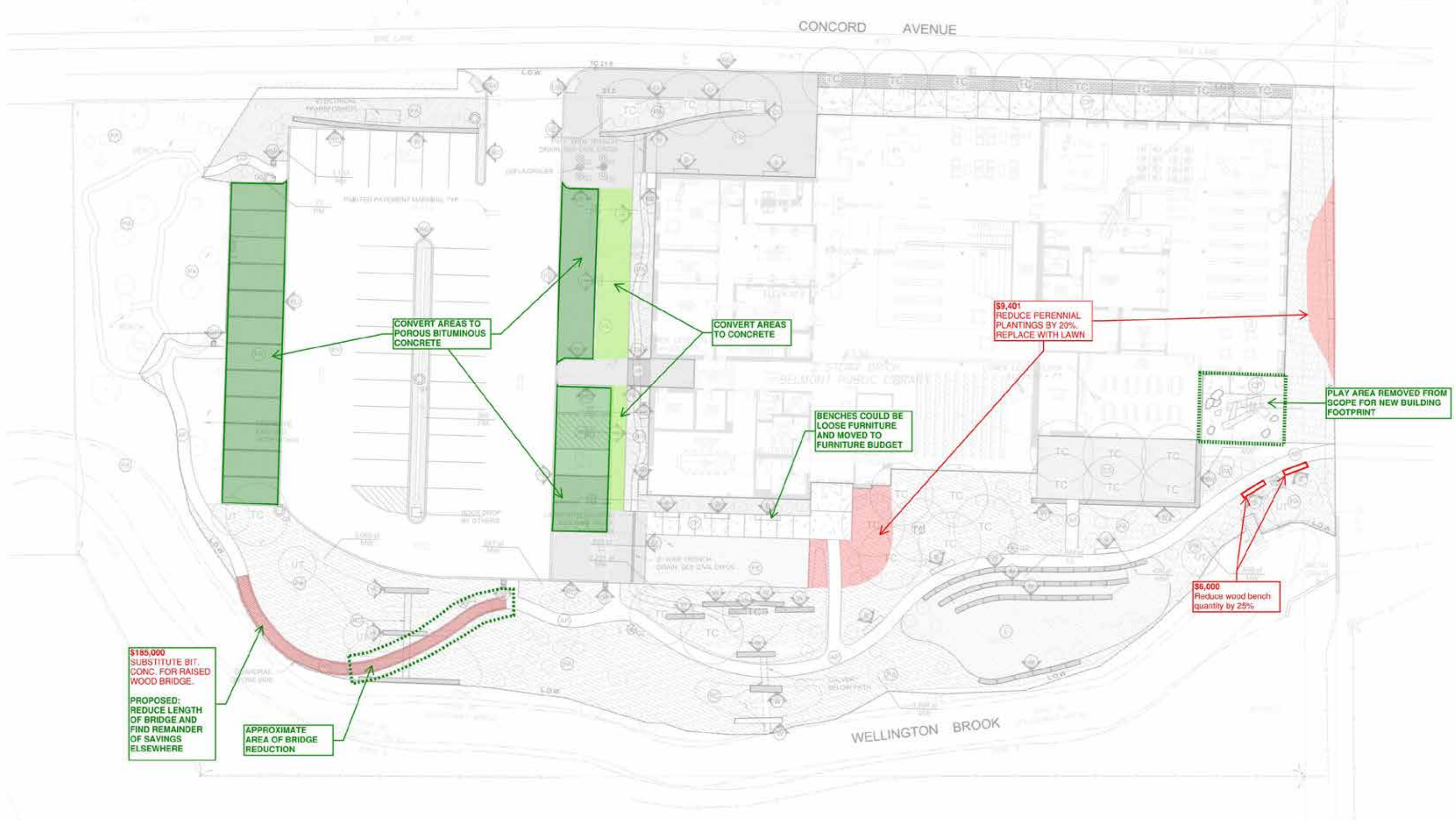


SCHEMATIC DESIGN VIEW

BELMONT LIBRARY Belmont, MA  
Schematic Design • 03 28 2023

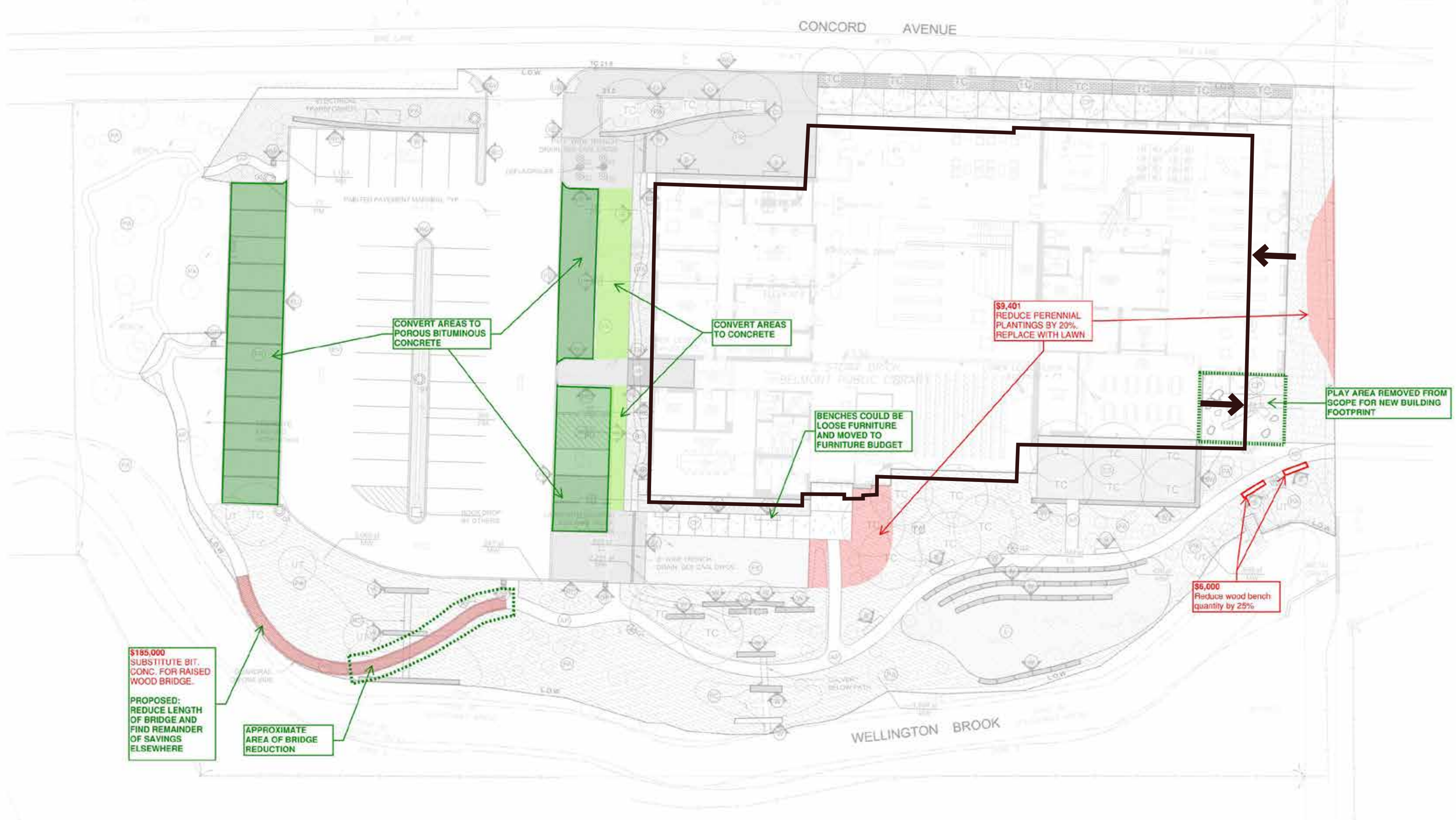
STIMSON





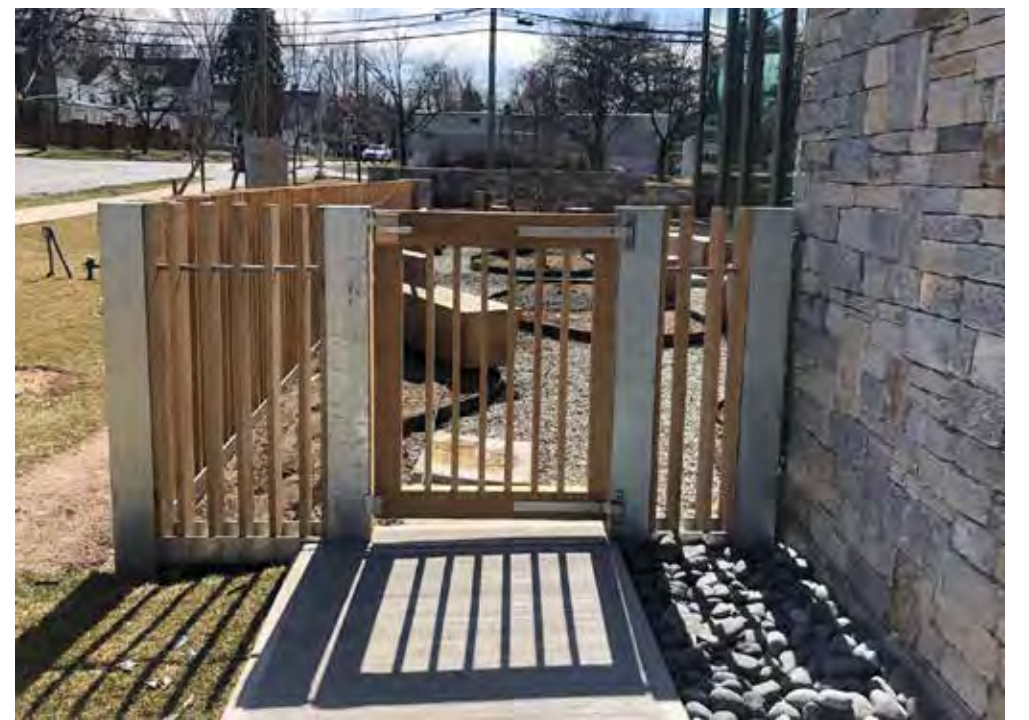
# POTENTIAL COST REDUCTIONS





# BUILDING FOOTPRINT UPDATES



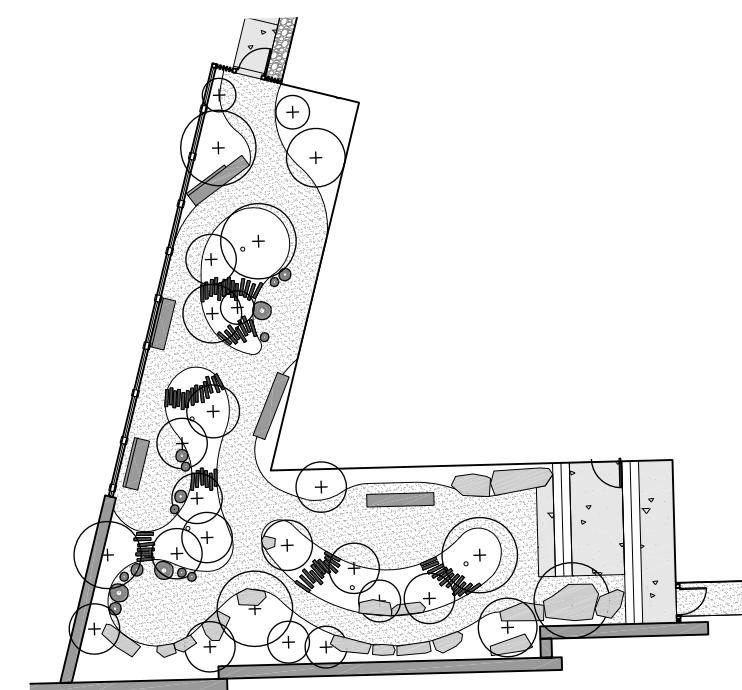


CHILDREN'S GARDEN PRECEDENT: NEW CANAAN PUBLIC LIBRARY

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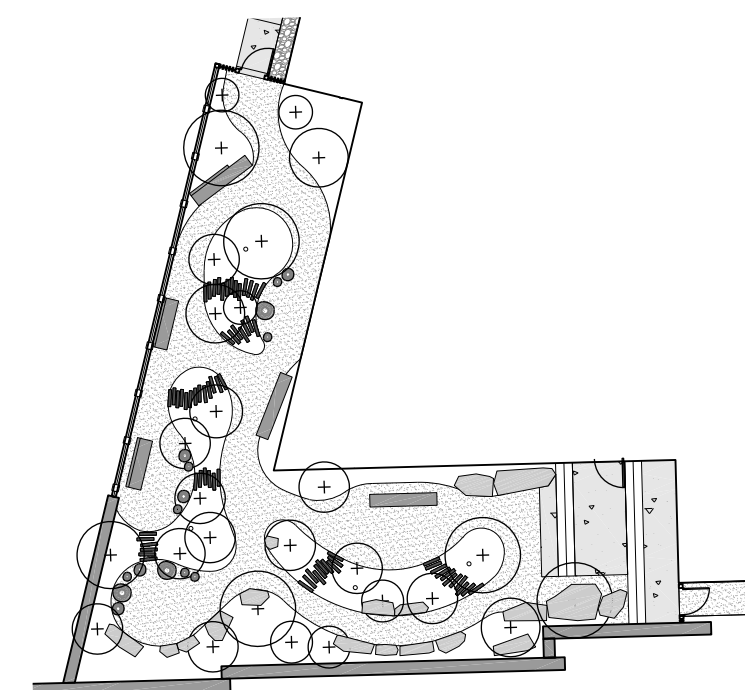




NEW CANAAN PUBLIC LIBRARY  
CHILDREN'S GARDEN FOR  
SCALE COMPARISON

## CHILDREN'S GARDEN STUDY

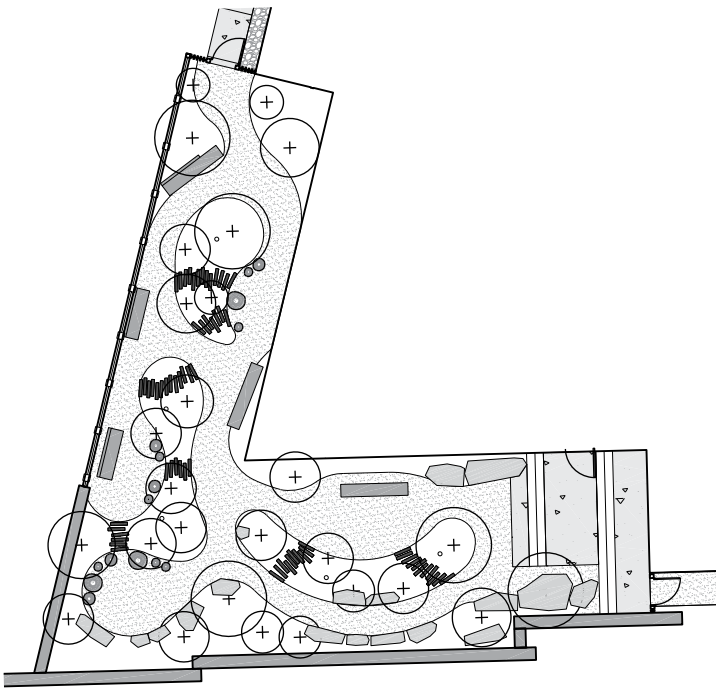
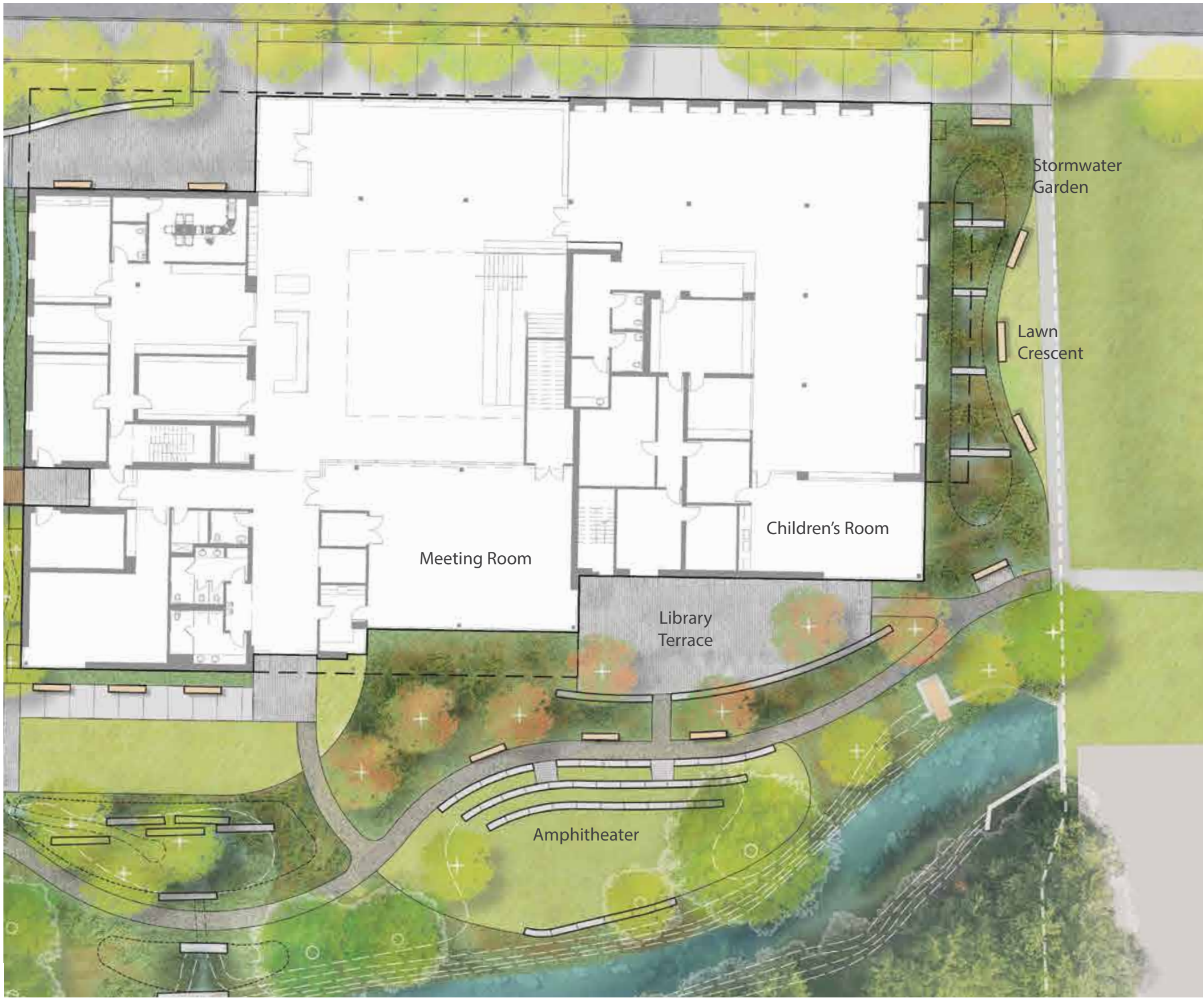




NEW CANAAN PUBLIC LIBRARY  
CHILDREN'S GARDEN FOR  
SCALE COMPARISON

## TERRACE + CHILDREN'S GARDEN STUDY





NEW CANAAN PUBLIC LIBRARY  
CHILDREN'S GARDEN FOR  
SCALE COMPARISON

RECOMMENDED LIBRARY TERRACE SCHEME





## DRAFT REVISED SITE PLAN

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STIMSON



## SEDUM

- + quick to establish, could be planted as sod
- + evergreen varieties
- + variety of leaf and flower colors
- + very drought tolerant
- + requires only 3-4" of soil
- + little maintenance, weeding during establishment
- only nonnative varieties suitable for sunny greenroof
- lack of biodiversity
- blooms only in summer



## GREENROOF





**Rapid Operations and Maintenance Center**  
Grand Rapids, Michigan  
Installed 2011, Liveroof Standard Tray System (4" soil profile), Sedum mix

SEDUM GREENROOF PRECEDENTS





**Bridgepoint Health**  
Toronto, Ontario  
Installed 2012, Liveroof Standard Tray System (4" soil profile), Sedum mix

SEDUM GREENROOF PRECEDENTS





April



June



September



November

# SEDUM GREENROOF PRECEDENTS



## SEEDED MEADOW

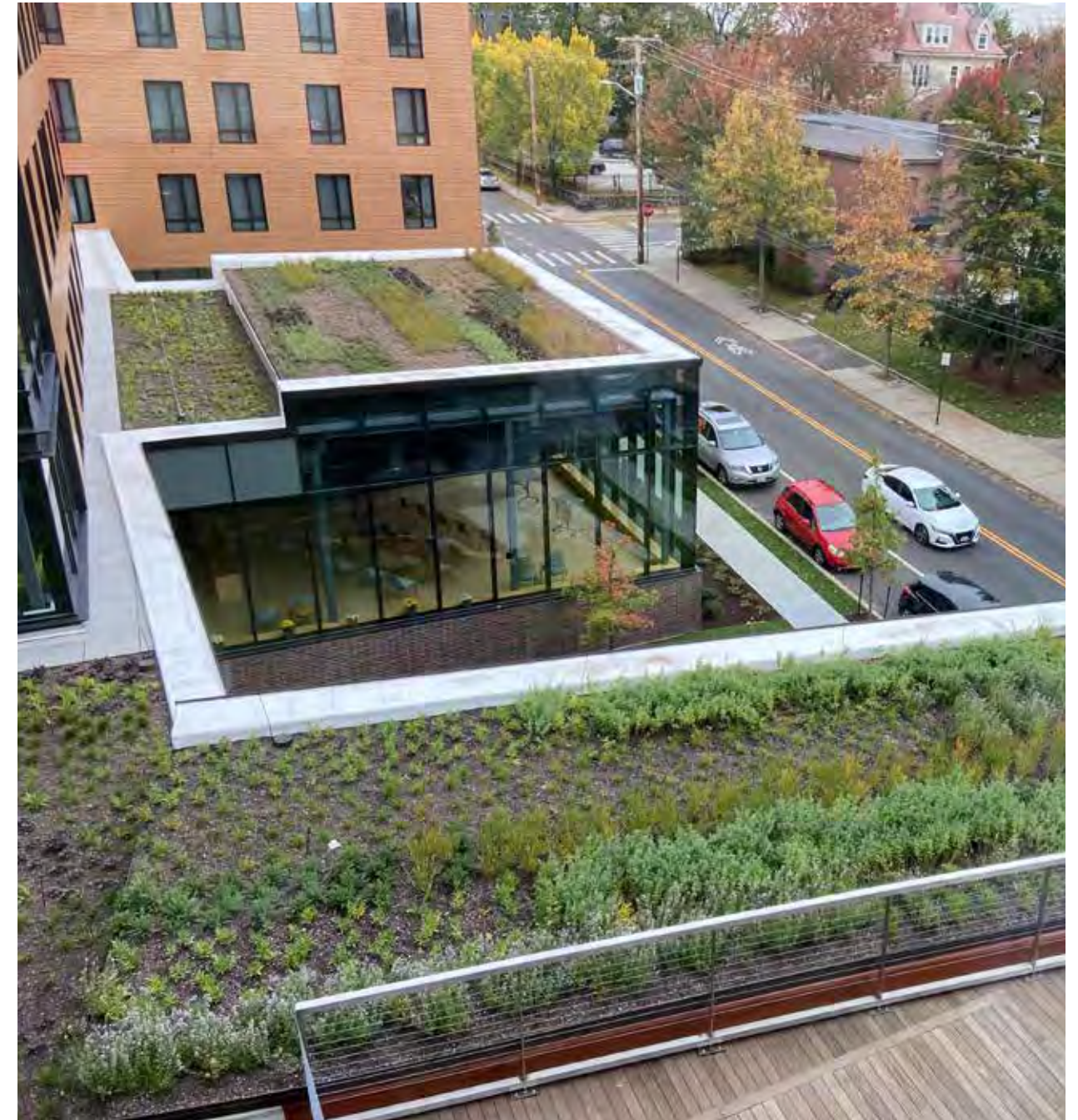
- +potential for greater biodiversity
- + longer flower display
- + variety of textures and colors
- + quick cover when pre-grown in trays
- requires 6"-8" soil depth



### Brown University Health and Wellness Center

Providence, Rhode Island

Shortly after installation, Liveroof Standard Tray System (6" soil profile), Mixed Perennials



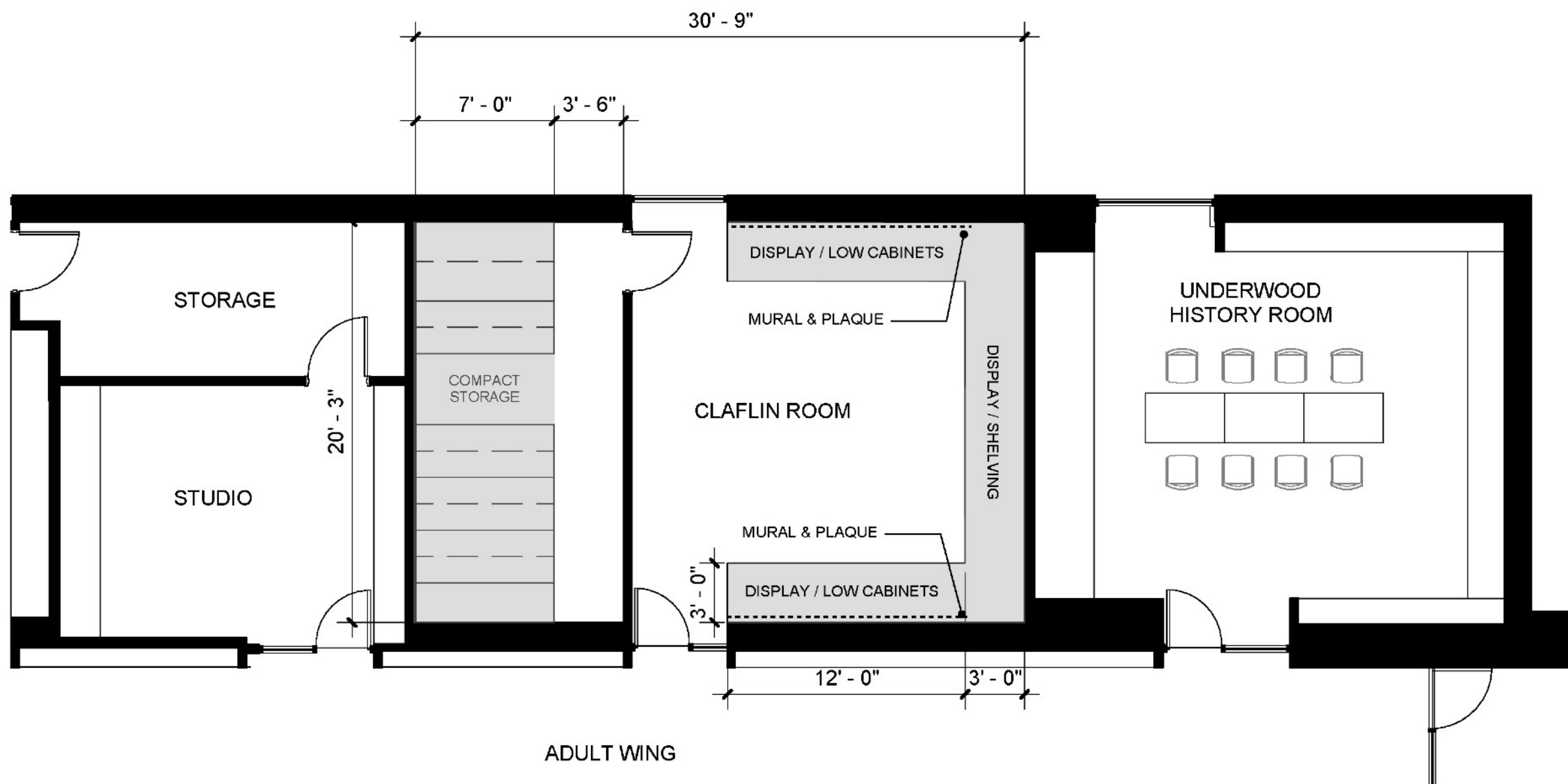
## PERENNIAL DRIFTS GREENROOF PRECEDENTS

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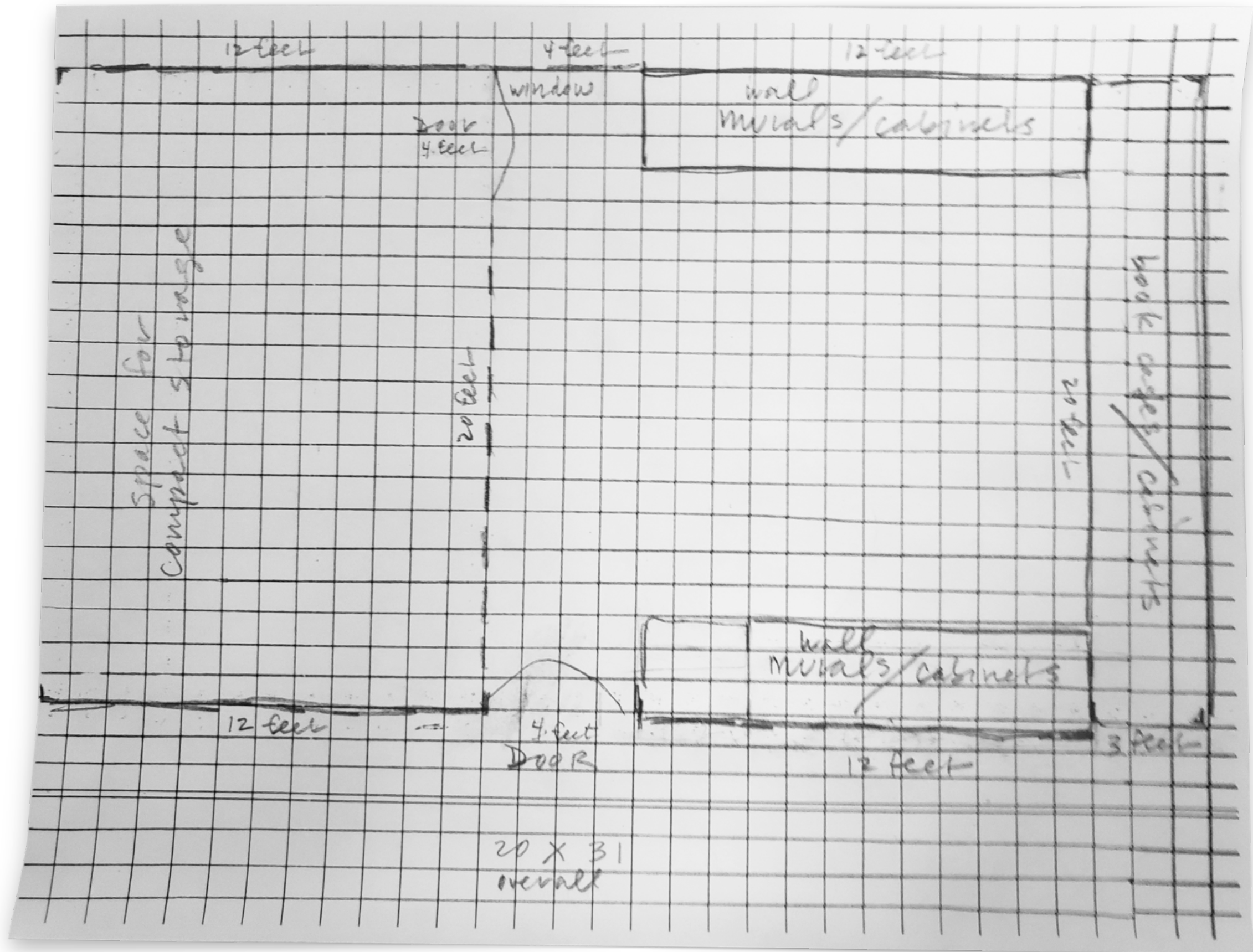
STIMSON





Claflin Room Revised Layout (623sf)





Claflin Room Historical Society Sketch





Clafin Room Historical Society Compact Shelving System



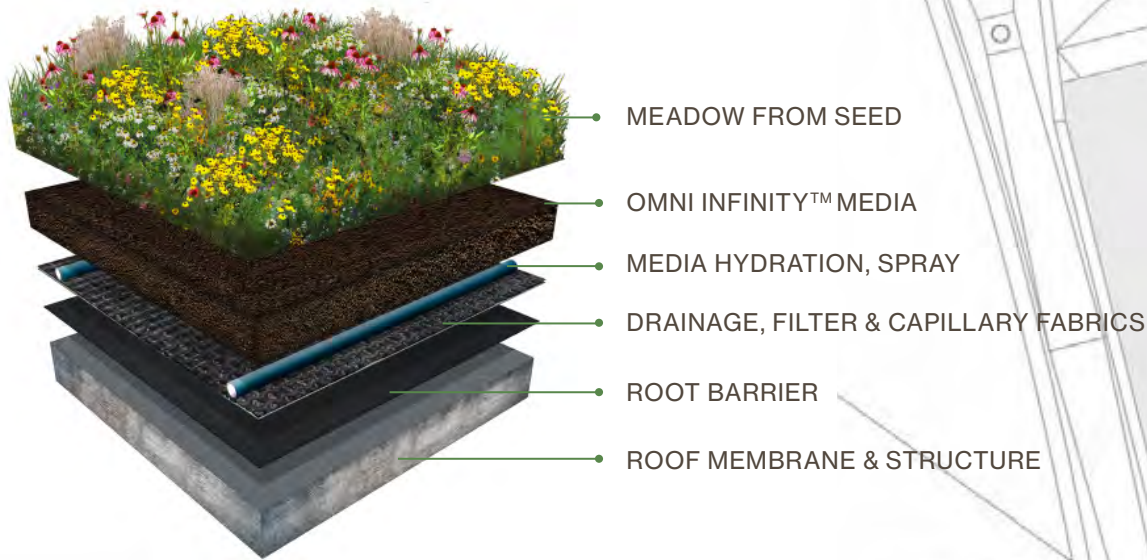


**Claflin Room** Existing Murals, Plaques and Display Cabinets



**SEEDED MEADOW**

- +potential for greater biodiversity
- + longer flower display
- + variety of textures and colors
- + adaptable over time to local conditions
- slower to establish



**Hackley School**

Tarrytown, New York  
Concept, 3” Omni greenroof system, seeded, with some areas of sedum

SEEDED MEADOW GREENROOF PRECEDENTS



GRASSES+ SEDGES



Sideoats Grama

Bouteloua curtipendula  
Purple flowers  
Bloom in July-August  
37" Height



Blue Grama

Bouteloua gracilis  
Red, Green flowers  
Bloom in August  
18" Height



Junegrass

Koeleria macranth  
Light Green flowers  
Bloom in June-July  
24" Height



Prairie Dropseed

Sporobolus heterolepis  
Green, Purple flowers  
Bloom in August-September  
37" Height



Eastern Star Sedge

Carex radiata  
Light Green flowers  
Bloom in June-July  
10" Height

PERENNIALS



Lance Leaved Coreopsis

Coreopsis lanceolata  
Golden Yellow flowers  
Bloom in June-July  
10" Height



White Prairie Clover

Dalea candida  
White flowers  
Bloom in July-August  
34" Height



Purple Prairie Clover

Dalea purpurea  
Purple flowers  
Bloom in July-August  
28" Height



Wild Strawberry

Fragaria virginiana  
White flowers  
Bloom in May-June  
5" Height



Prairie Smoke

Geum triflorum  
Pink-Red flowers  
Bloom in May-June  
11" Height



Spotted Bee Balm

Monarda punctata  
Light Yellow flowers  
Bloom in July-August  
10" Height



Foxglove Beardtongue

Penstemon digitalis  
White flowers  
Bloom in June-July  
18" Height



Hairy Beardtongue

Penstemon hirsutus  
Light Purple flowers  
Bloom in June-July  
11" Height



Tall Cinquefoil

Potentilla arguta  
White flowers  
Bloom in July  
34" Height



Prairie Petunia

Ruellia humilis  
Lavender flowers  
Bloom in July-August  
6" Height



Skyblue Aster

Symphotrichum oolentangiense  
Lavender-Blue flowers  
Bloom in September-October  
9" Height



Butterfly Weed

Asclepias tuberosa  
Orange flowers  
Bloom in June-August  
37" Height



Eastern Red Columbine

Aquilegia canadensis  
Red, Yellow flowers  
Bloom in May-July  
31-45" Height



Blue Sage

Salvia azurea  
Blue flowers  
Bloom in September-October  
39" Height



Arrowleaf Violet

Viola sagittata  
Purple flowers  
Bloom in April-June  
6" Height





Oudens Ello Architecture