



Content

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Proposed move of Rite Aid

Implications:

- Move buildings closer to the Main Street boundary
- Move buildings away from Chesley Drive and the College Brook boundary
- Corner entry reinforces importance of internal street; anchor point at center for pedestrians

Reorganization of parking

- Break single parking field into two groups
 - Alignment 1: focus on Hannaford
 - Alignment 2: focus on Rite Aid

Implications:

- Reduces "sea of asphalt"
- Allows for clear routes for trucks, cars, pedestrians
- Increases ability for targeted lighting and stormwater treatments

Shift in Layout of Building D

Change from "C' building to "I" building

Implications:

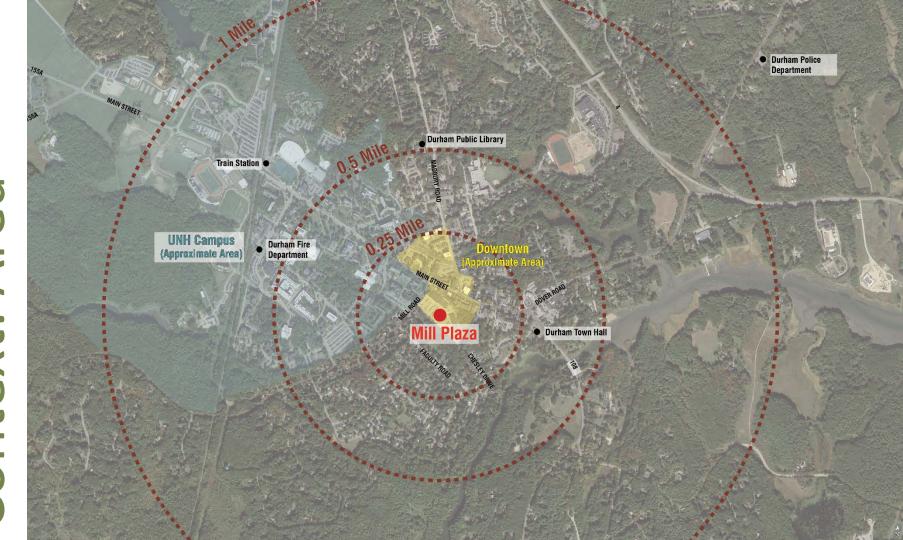
- Moves residential units away from southern boundary and College Brook
- Reconfigures green roof above retail and parking to a smaller area

Proposed drive-throughs

- Bank at former location of Rite Aid (relocation of existing drive-through)
- New drive-through for Rite Aid at new location

Implications:

 Integrated into overall circulation for pedestrians, cars, trucks, and bicyclists Site and Context **Location within Durham Existing Proposed Adjacent Uses Existing Utilities**











Site Conditions

Existing

Proposed

Access

Loading

Parking

Lighting

College Brook and Stormwater

Existing Conditions

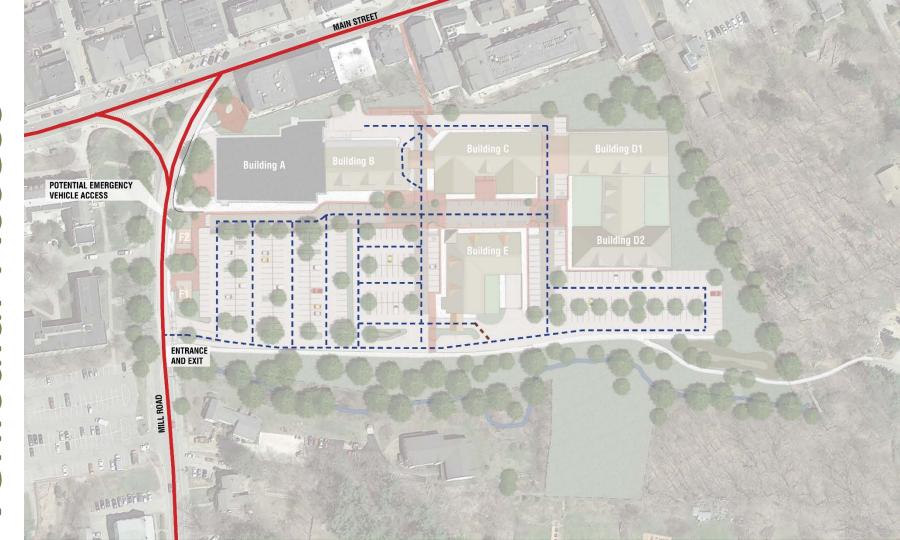
Durham Mill Plaza

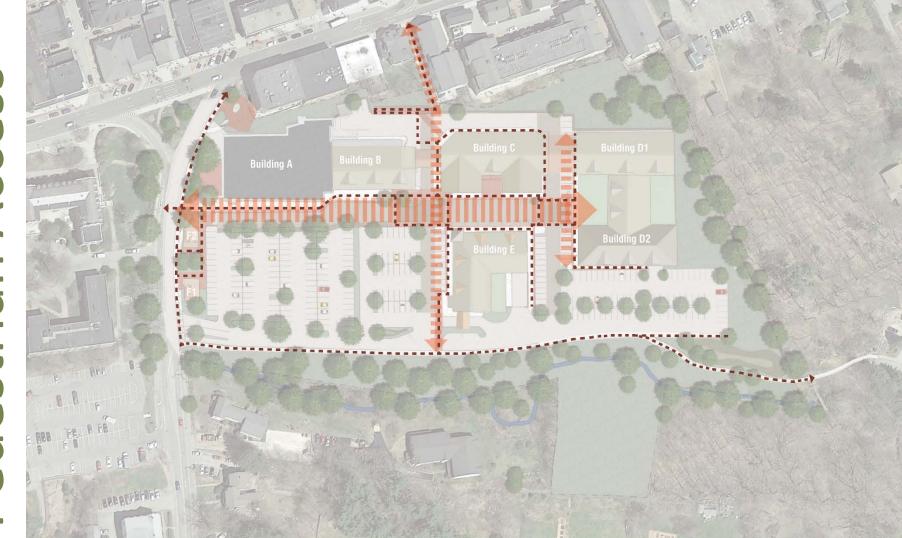


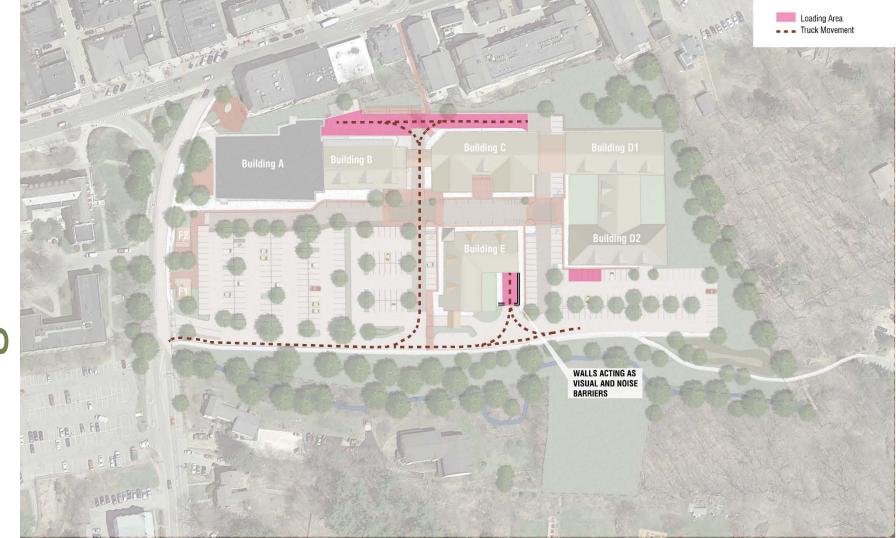
Harriman



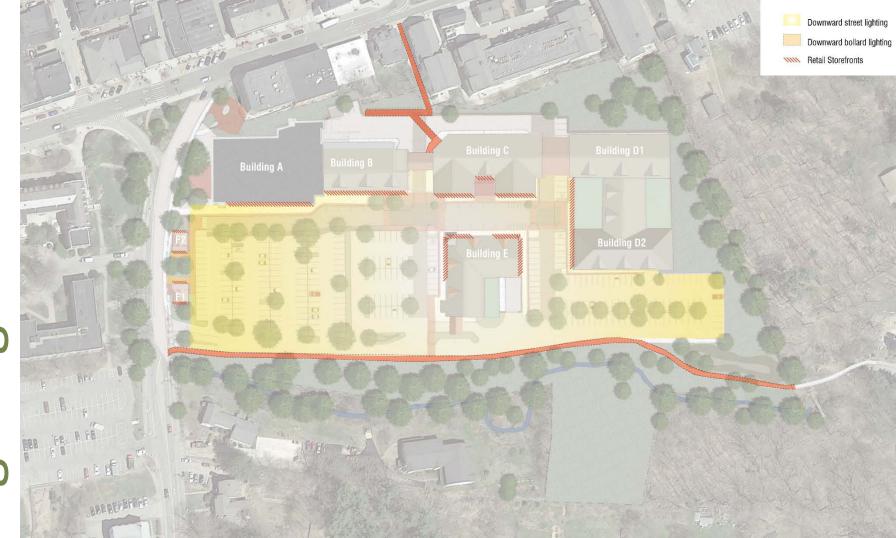








Parking



College Brook and Stormwater

Existing Conditions

Buffers, and Topography

Stormwater Management

Plant Palettes



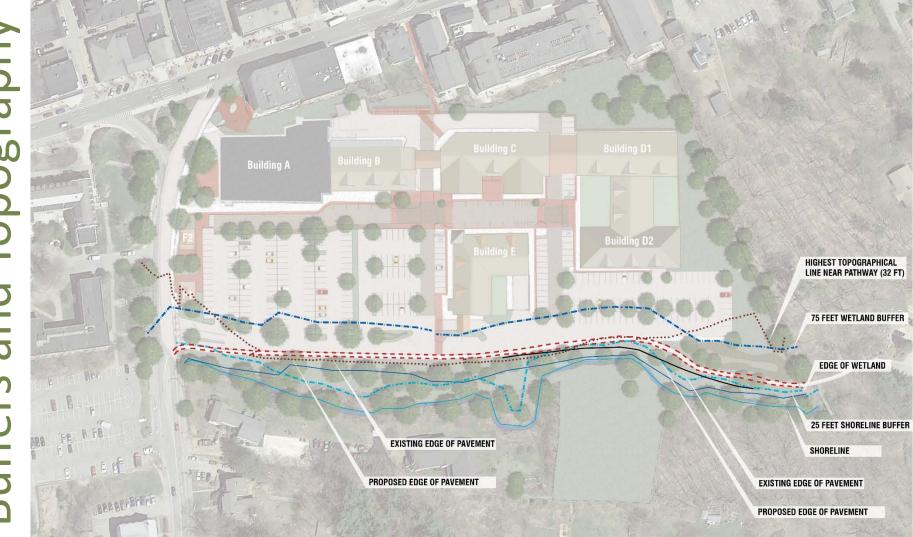












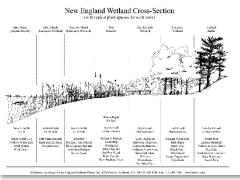


Wetland

Land area that is saturated with water, either permanently or seasonally, such that it takes on the characteristics of a distinct ecosystem

- Has three primary layers Upland, Transitional (seasonally flooded), Shallow (Seasonally or permanently flooded)
- Requires functional relationship of water (Hydrology) and soils (Hydric types)
- Provides wildlife habitat
- Acts as stormwater storage





Rain Gardens

Planted depressions designed to accept stormwater from impervious areas for purposes of:

- Reducing velocity of stormwater runoff
- Providing point source treatment and filtration of stormwater
- Providing an opportunity for water absorption into
 - the soil
- Creating wildlife habitat

Rain gardens are not wetlands.



Anatomy of a Rain Garden

College Brook

Habitat restoration

- Beyond removal of invasive species
- Restore, create, enhance and protect resilient native landscape
- Use with non-turf seed mixes for slope stabilization and to reduce maintenance demands
- Outreach opportunity with UNH as living laboratory and for monitoring
- Reconnect public to natural and scenic resource







PROPOSED PLANT MATERIAL PALETTE - CHARACTER IMAGES

Decidious Tree - Shade



Acer rubrum Common Name: Red Maple Zone: 3 Height: 40' - 70' Spread: 30" - 50" Sun: Full sun to part shade Attractions: Good Fall color



Carpinus caroliniana Common Name: American Hornbean Height: 20' - 35' Spread: 20" - 35"



Populus tremulaides



Height: 30' - 50'

Spread: 20' - 30'

Sun: Full sun to part shade

Attractions: Good Fall color

Tolerate: Clay Soil, Wet Soil





Tolerates: Wet Soil





Amelanchier arborea Common Name: Downey Serviceberry

Sun: Full sun to part shade

Attractions: Good Fall color. Birds



Cercis canadensis Common Name: Fastern Redbud Zone: 4 Height: 20' - 30' Spread: 25' - 35' Sun: Part shade to full shade

Attractions: Good Fall color, Butterflies



Cornus alternifolia Common Name: Pagoda Dogwood Zone: 3

Sun: Full sun to part shade

Tolerates: Moist soils

Attractions: Good Fall color Birds





Magnolia virginiana Common Name: Sweet Bay Sun: Full sun to part shade Attractions: Showy Fruit and Flower, Rain







Height: 40' - 70'

Spread: 301 - 401

Air pollution

Common Name: River Birch

Sun: Full sun to part shade

Attractions: Winter Interest

Zone: 4

Height: 15' - 25'

Spread: 15' - 25'





Height: 20" - 30"

Suread: 20' - 30'

Attractions: Good Fall color

Toloratos: Clay Soil, Drought

Sun: Full sun









Tolorates: Clay Seil





Iolerates: Moist sails





Abies balsamea Common Name: Balasm Fir. Zone: 2

Height: 45' - 65'

Spread: 20' - 30'

Attractions: Wildlife habitat, Winter interest

Tolerates: Moist, acidic soils

Sun: Full sun





Sun: Full sun

Attractions: Wildlife

Tolerates: Drought, erosion, dry soils



Picea mariana Common Name: Black Spruce Zone: 2 Height: 30' - 40' Spread: 10" - 15" Sun: Full sun to part shade Attractions: Wildlife habitat Tolerates: Wet Soil

Spread: 20" - 30"

Tolerates: Clay Soil

Sun: Full sun to part shade



Thuja occidentalis Common Name: White Cedar Zone: 2 Height: 20' - 40' Spread: 10' - 20' Sun: Full sun to part shade Attractions: Screening, Winter interest Tolerates: Clay soil



Tsuga candensis Common Name: Eastern Hemlock Zone: 3 Height: 40' - 70' Spread: 25' - 35' Sun: Partial shade to full shade Attractions: Wildlife, Winter interest

NOTE: NOT ALL PROPOSED PLANT MATERIAL SHOWN WILL BE USED. FINAL PLANT MATERIAL SELECTION DEPENDENT ON ANALYSIS OF SITE CONDITIONS, CONFORMANCE TO AND APPROVAL BY LOCAL AND STATE REGULATIONS AND AGENCIES.

PROPOSED PLANT MATERIAL PALETTE - CHARACTER IMAGES

Shrubs



Aronia melanocarpa Common Name: Black chokeberry Height: 3" - 6" Spread: 3' - 6" Sun: Part shade to full shade Attractions: Attracts birds, Showy Fruit Tolerates: Moist to wet soils



Cephalanthus occidentalis

Common Name: Buttonbush

Sun: Full sun to partial shade

Attractions: Flower, showy fruit

oread: 4' - 8'

Common Name: Sweet Fern



Zone: 2

Height: 2" - 5"

Spread: 4' - 8'

Sun: Full sun to part shade

Attractions: Fragrant

Tolerates: Drought



Soread: 8' - 12'

Sun: Full sun to partial shade

Tolerates: Erosion, wet soil

Attractions: Wildlife, Winter color







Common Name: Shrubby Cinquefoil

Height: 3' - 6'

Spread: 3' - 6'

Attractions: Butterflies

Sun: Full sun



















Height: 3' - 6'

Spread: 2' - 4'

Tolerates: Drought

Coreopsis



Dirca palustris

Zone: 6

Height: 4' - 6'

Spread: 6' - 8'

Sun: Full sun

Common Name: Leatherwood

Attractions: Flowers. Fall color

Toloratos: Hoavy shado

Viburnum acerifolium

Sun: Full sun to partial shade

Common Name: Mapleleaf Viburum

Attractions: Wildlife, Good Fall color





Viburnum lentago Common Name: Nannyberry Zone: 2 Height: 14' - 16' Spread: 6' - 12' Sun: Full sun to partial shade Attractions: Wildlife habitat, fult



Sambucus pubens Common Name: American Red Elder Height: 12' - 20' Spread: 6' - 12' Sun: Full sun to partial shade Attractions: July flowers, red fruit Tolerates: Moist soils









Attractions: Wildlife, Fall color, fruit

lolerates: Acidic soils





Groundcovers







Common Name: Tickleseed fone: 3 Height: 1.5" - 2" Spread: 1.5' - 2' Sun: Full sun Attractions: Showy Flower Butterflies Tolerates: Dry soils, drought



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PROPOSED PLANT MATERIAL PALETTE - CHARACTER IMAGES

Perennials / Wildflowers



Aquilegia canadensis Zone: 3 Height: 2' - 3'

Common Name: Wild columbine Spread: 1' - 1.5' Sun; Full sun to part shade Attractions: Showy Flower, Hummingbirds Tolerates: Drought, Dry Soil



Asarum canadense Common Name: Wild Ginger Height: 0.5" - 1" Spread: 1' - 1.5' Sun: Part shade to full shade

Tolerates: Erosion, Wet Soil



Aster novae-angliae Common Name: New England Aster Zone: 3 Height: 3' - 6'



Echinacea purpurea Common Name: Purple Coneflower Zone: 3 Height: 2" - 5" Spread: 1.5' - 2' Sun: Full sun to part shade Tolerates: Drought, Clay Soil, Dry Soil,





Penstemon digitalis Common Name: Beardtongue Height: 3" - 5" Spread: 1.5' - 2' Sun: Full sun Attractions: Birds, Butterflies Tolerates: Drought, Clay Soil, Dry Soil



Potentilla tridentata Common Name: Three-toothed Potentilla Height: 2' - 4' Spread: 3' - 5' Sun: Full sun to part shade Attractions: Showy Flower, Butter files Tolerate: Drought, Erosion, Clay Soil, Air



Spread: 2' - 3'

Attractions: Butterflies

Tolerates: Clay Soil

Sun: Full sun

Rudbeckia hirta Common Name: Black-eved Susan Zone: 3 Height: 2" - 3" Soread: 1' - 2' Sun: Full sun Attractions: Butterflies, Showy Flower Tolerate: Drought, Clay Soil



Shallow-Rocky Soil

Sanguinaria canadensis Common Name: Bloodroot Height 6" - 1" Spread: 6" - 9" Sun:Partial shade to shade Attractions: Showy white flowers Tolerate: Drought, dry soils



Osmunda cinnamomeum Zone: 3 Height: 2" - 3" Spread: 2" - 3" Sun: Partial shade to full shade







Sun: Full sun to partial shade

Attractions: Showy flower

Spread: 2' - 3'





Thelypteris palustris Common Name: Marsh fem Zone: 3 Height: 1.5' - 3' Spread: 2' - 3' Sun: Partial shade to full shade Attractions: Naturalization, rain gardens Tolerates: Heavy shade, wet soils







Loebelia cardinalis Common Name: Cardinal Flower Zone: 3 Height: 2' - 4' Spread: 1' - 2' Sun: Full sun to partial shade Attractions: Wildlife, flower, rain garden





Attractions: Fall color

Tolerates: Heavy shade, wet soil

Acorus calamus Common Name: Sweet flag Height: 2" - 2.5" Spread: 1.5' - 2' Sun: Full sun to partial shade Attractions: Soil stabilization Tolerates: Heavy shade, wet soil





Interpreted Wet soil









Height: 6"

Spread: 6" - 9"

Sun: Partial shade

Attractions: Flower

Tolerates: Wet soil NOTE: NOT ALL PROPOSED PLANT MATERIAL SHOWN WILL BE USED. FINAL PLANT MATERIAL SELECTION DEPENDENT ON ANALYSIS OF SITE CONDITIONS, CONFORMANCE TO AND APPROVAL BY LOCAL AND STATE REGULATIONS AND AGENCIES. **Building Conditions**

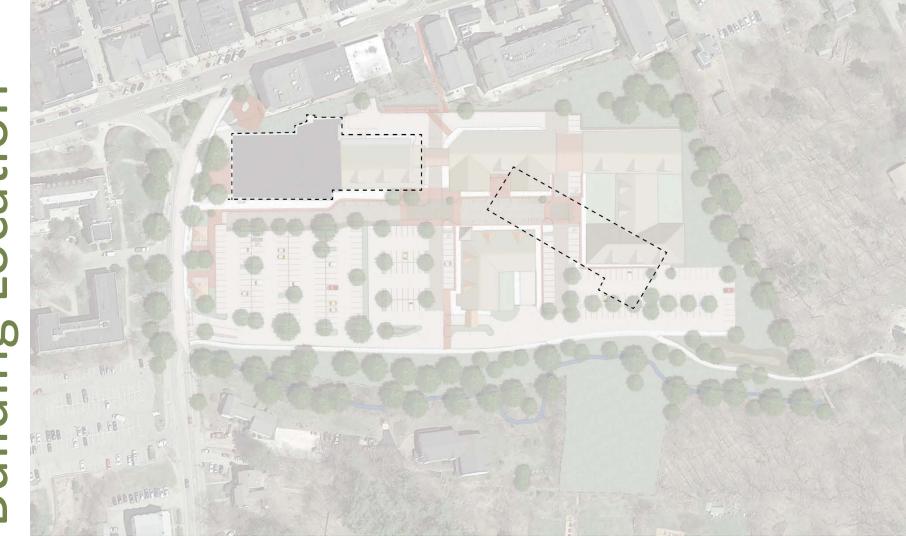
Location relative to existing buildings

Height

Program and Uses

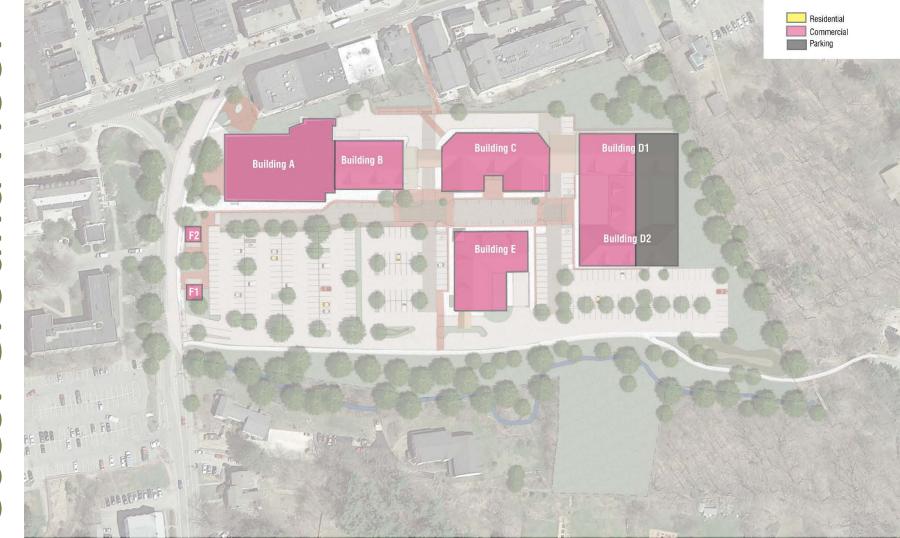
Setbacks

Character



Program

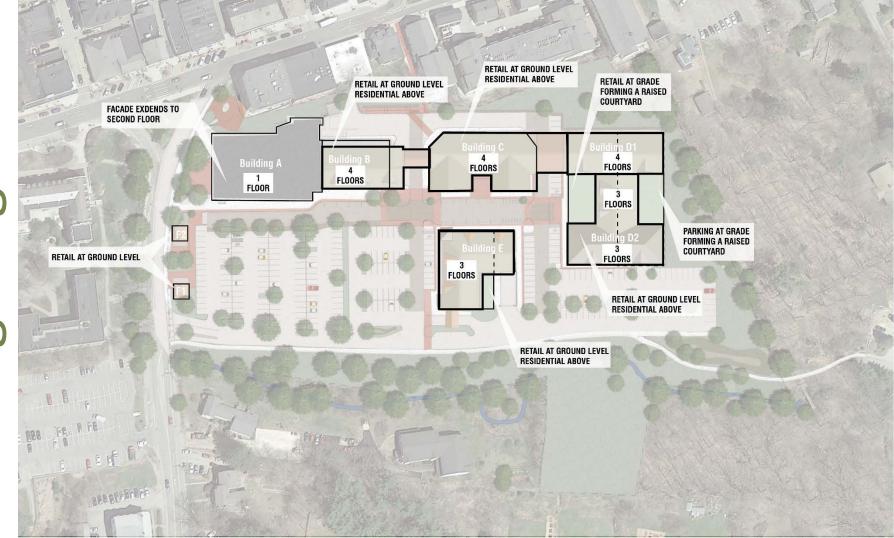
Use	Amount	
Commercial (Retail/Office)	Existing:	55,000 sq. ft.
	New:	25,000 sq. ft.
	Total:	80,000 sq. ft.
Residential	330 beds	
Parking	355 spaces (cars and scooters)	

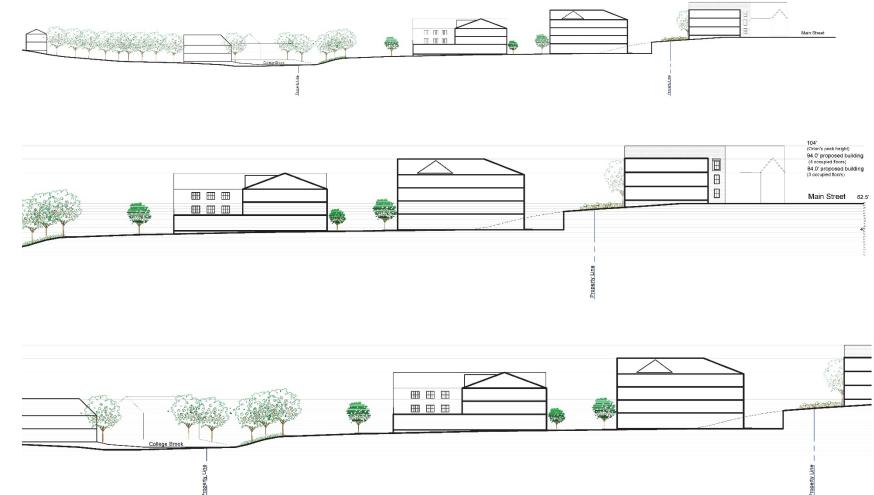


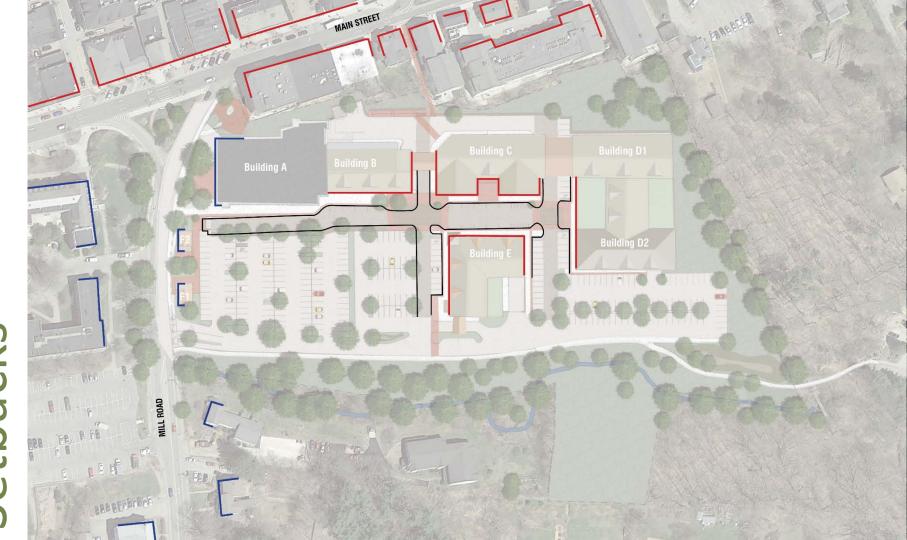
















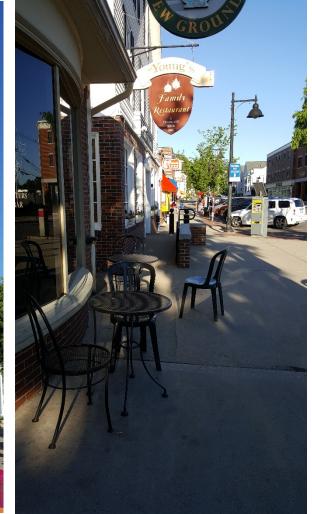




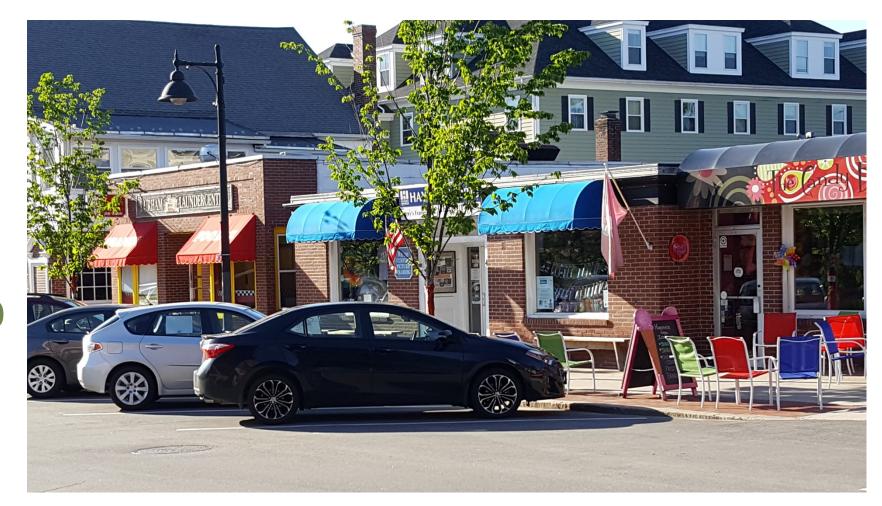


Retail/Restaurant Existing





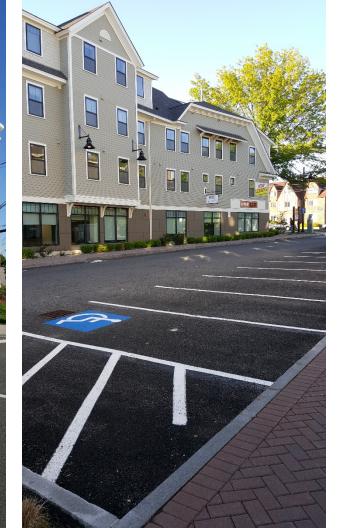




Existing Mixed-Use

































Illustrative Demonstration

The following is a representation of the experience of walking through the site.

It is not intended to depict a final project.

