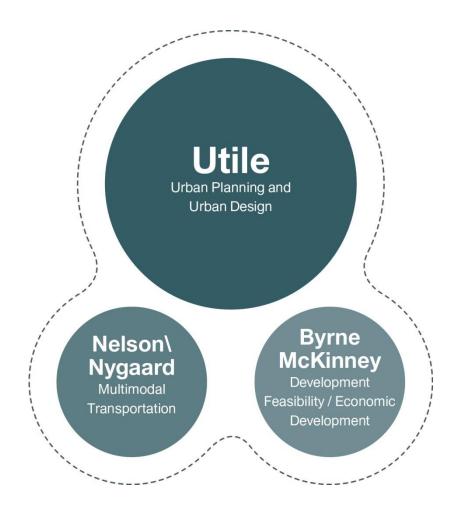


Who we are



Client Team

MassDevelopment on behalf of the TDI Core Partnership: City of Haverhill Greater Haverhill Foundation Planning Office for Urban Affairs

Consultant Team

Utile

Tim Love, Principal Sneha Lohotekar, Urban Designer

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Multimodal Transportation
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Development Feasibility / Economic Development

Contents

Project Objectives
Study Area Context and Urban Design Issues
Urban Design Strategies

- Strategy 01: Streetscape and Public Realm Improvements Merrimack Street and Washington Square
- Strategy 02: Programming and Events along Merrimack Street
- Strategy 03: Reorganize Parking and Enhance the Street Network Bailey Blvd and Park Way
- Strategy 04: Redesign of MVRTA Station and Boardwalk Extension
- Streetscape and Storefront Guidelines

Redevelopment Strategies: Market Conditions

Redevelopment Strategies: Recommendations

Next Steps

Appendix

Project Objectives



Objectives

Develop a redevelopment strategy for the TDI District that addresses three primary issues:

Placemaking and District Character

- Reconnect the Merrimack Street retail district to Downtown
- Build a "base layer" of public improvements

District-wide Development Strategy

- Identify catalytic public and private projects
- Concentrate housing and commercial development at key locations

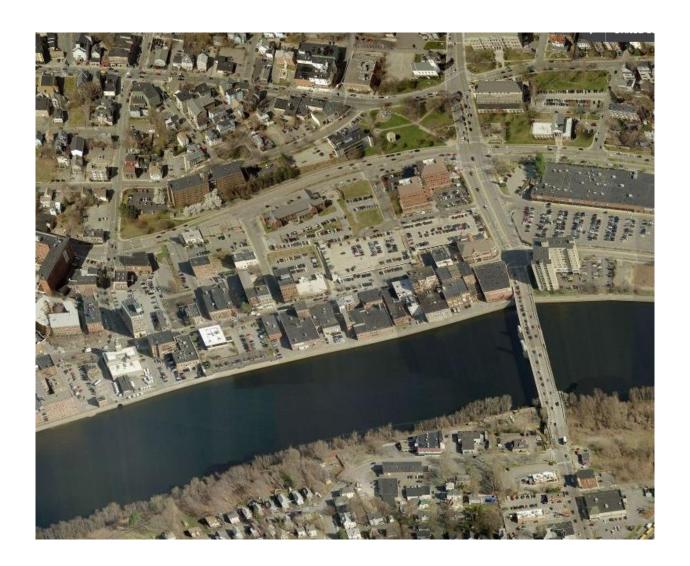
Transportation and Circulation Solutions

- Break up superblocks with ladder and support streets to drive foot and vehicular traffic to the District and river
- Develop a long term strategy for structured and on-street parking

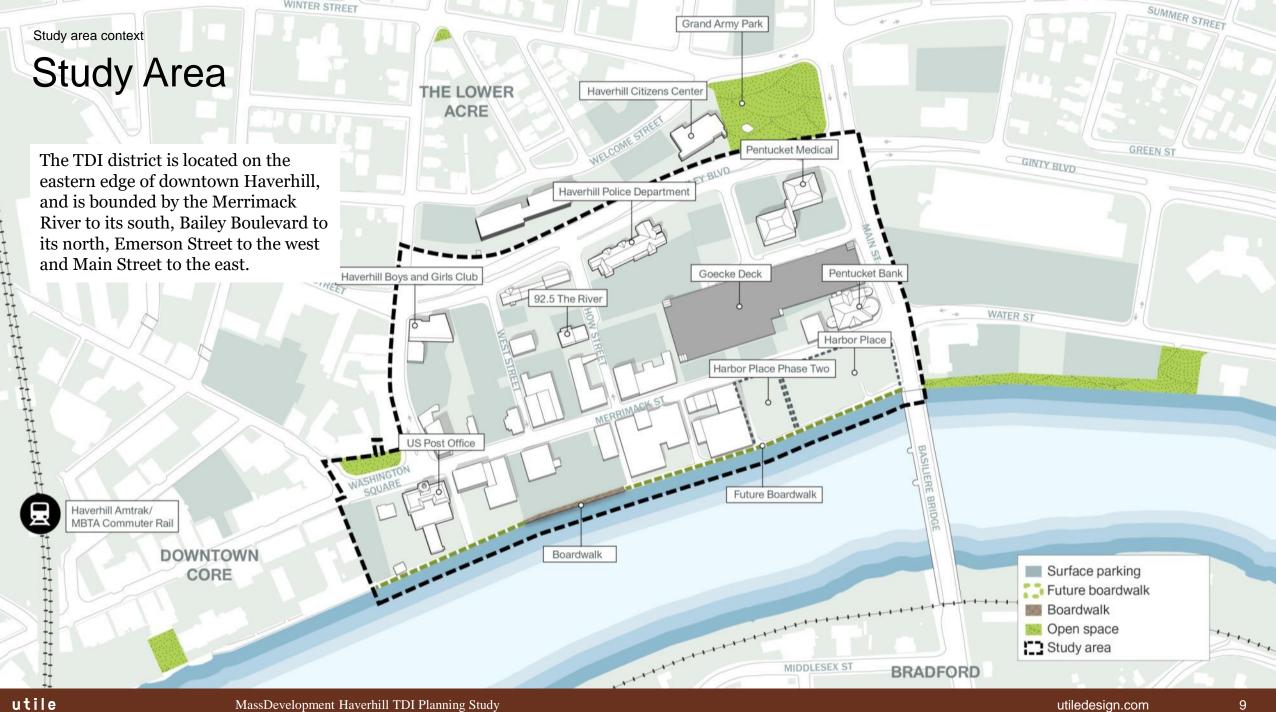


Project principles

- Develop urban moments along Merrimack Street by focusing development energy along the corridor
- Strengthen connection between Downtown, Washington Square, and Main Street
- Improve existing ladder streets and add new streets to drive development (and value) up from the river
- Attract complementary development at a range of scales
- Spread use types and absorption across the district (don't use it up on one or two sites)
- Don't give up on the City's parking pricing program
- Develop a comprehensive phased parking plan to replace the Goecke Deck and accommodate shifts in demand over time



Study area context and urban design issues





Merrimack Street legacy

Merrimack Street served as Haverhill's primary retail street until the 1960's, , bustling with commercial activity.







Merrimack Street in the 1960's (photo credit: David J. Connolly)

Merrimack Street today

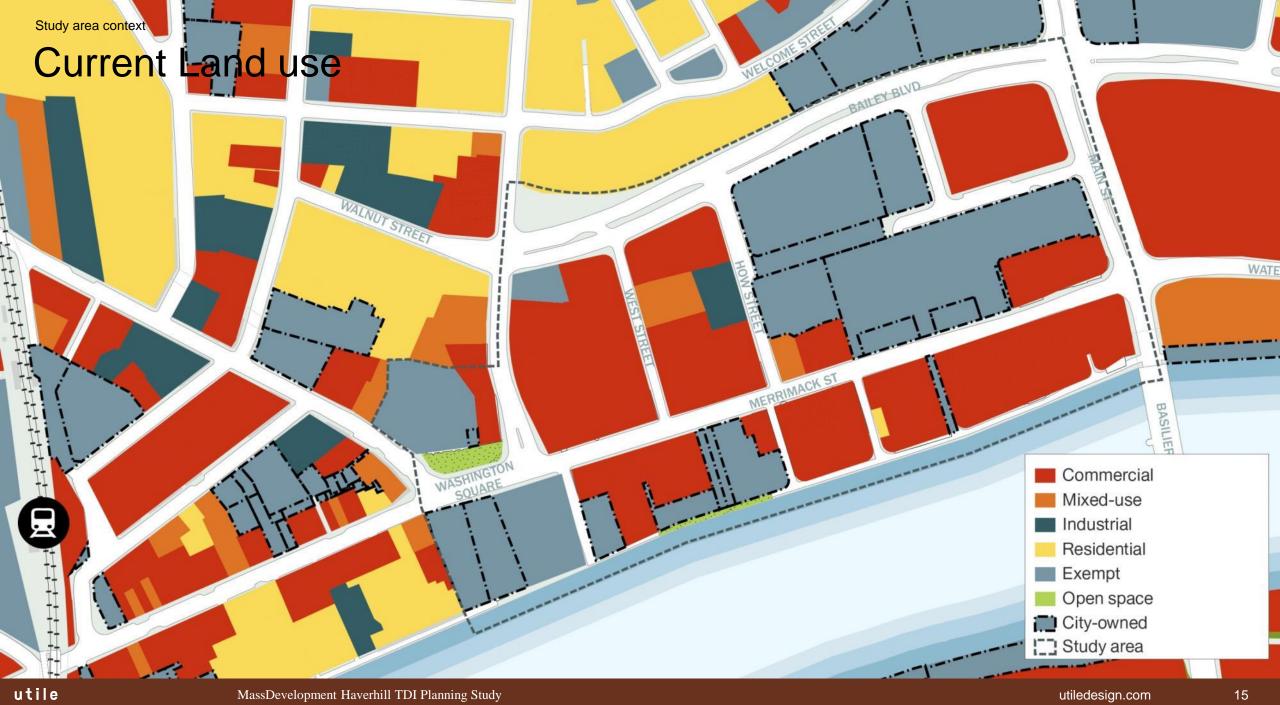
The district was drastically changed by urban renewal. Merrimack Street today is still host to a range of scattered shops and services, along with surface and structured parking lots.

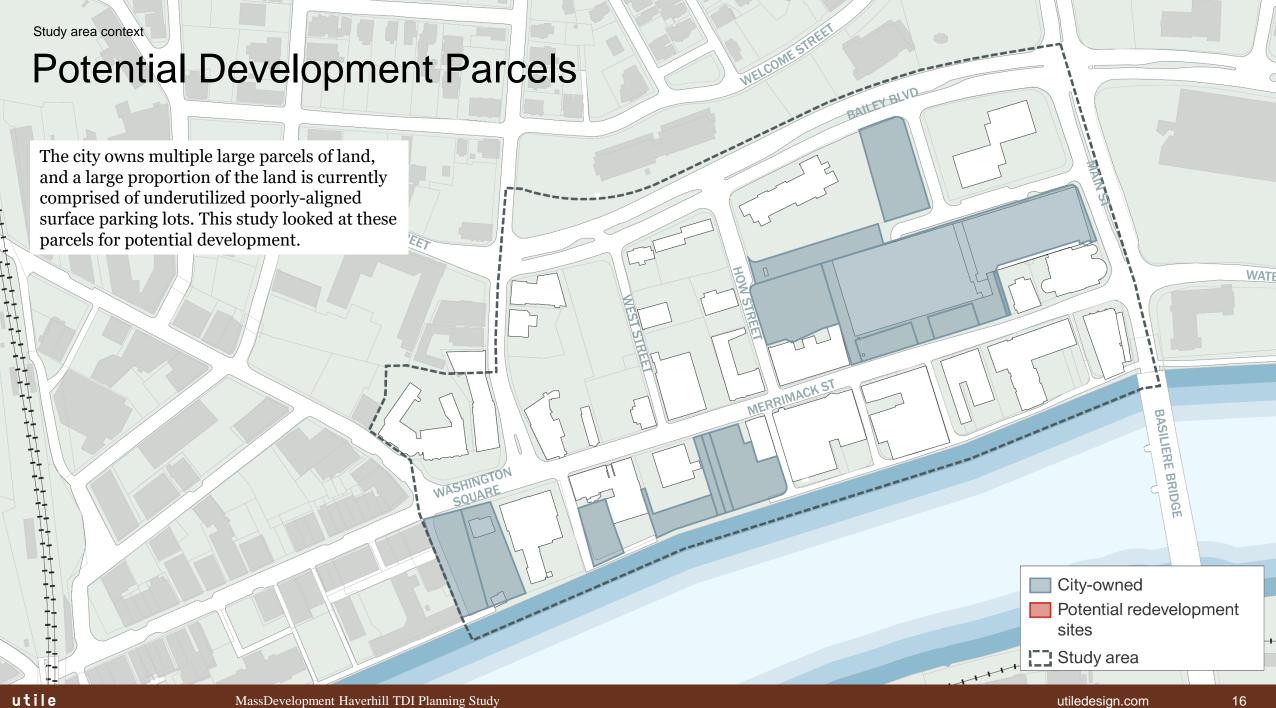




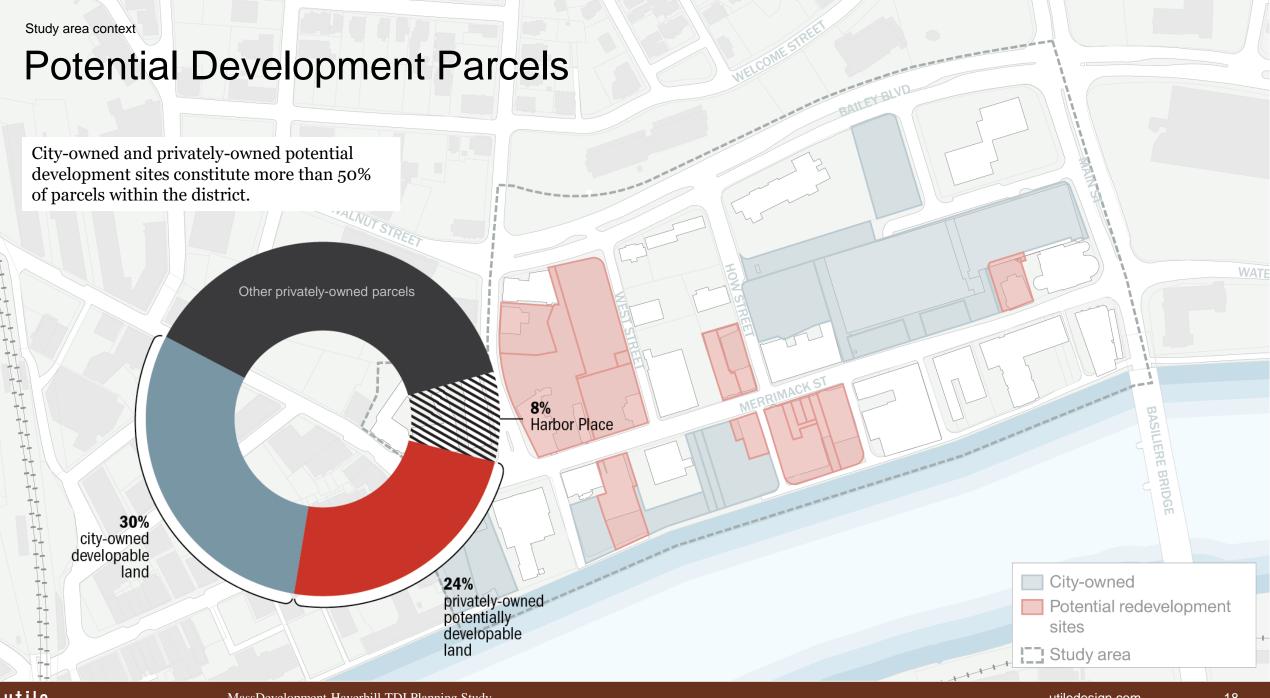


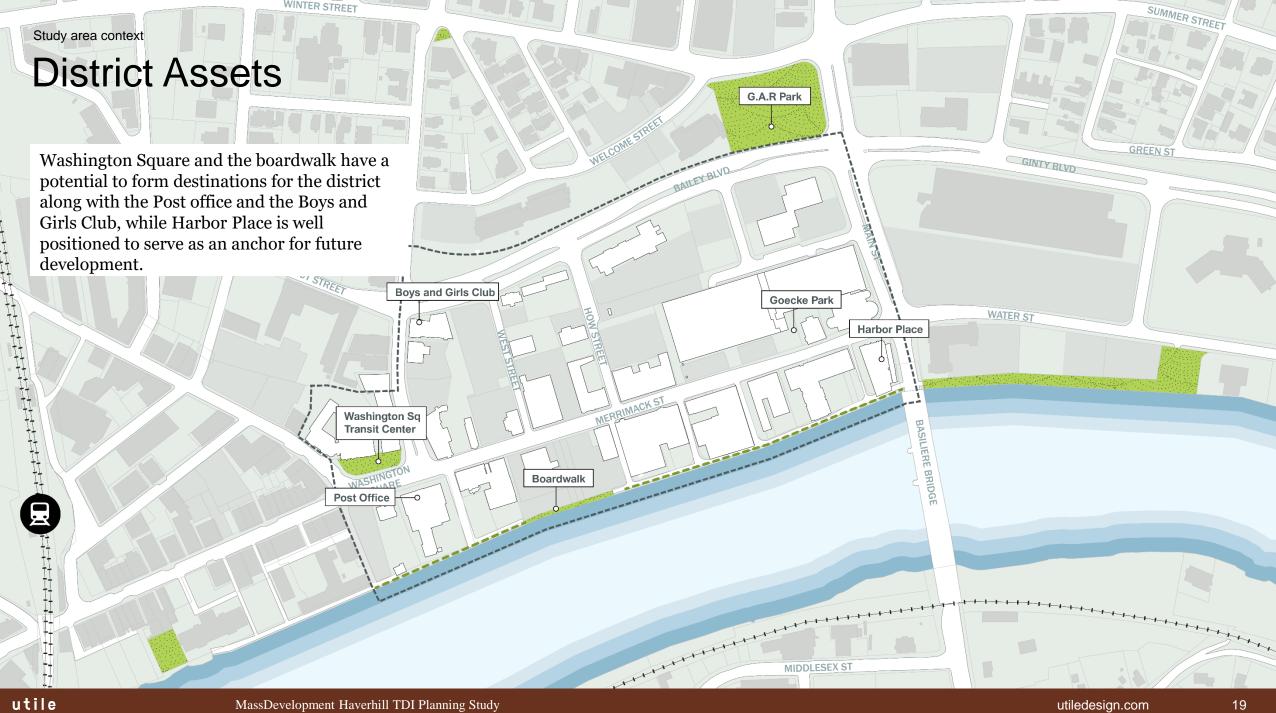
Study area context **Current Land use** Mixed use Industrial The city can be instrumental in triggering transformation in the district as it owns a US Government significant amount of land within the study Municipal public safety area. Recreation, active use Housing Authority City, Vacant City, Improved 46% Residential exempt **50**% Retail commercial Restaurant Commercial **Parking Opportunity:** Mixed-use General office develop city-owned Industrial parcels to increase Bank property tax Residential revenue within the Medical office Exempt district. Open space Office building City-owned Vacant Study area











District Assets

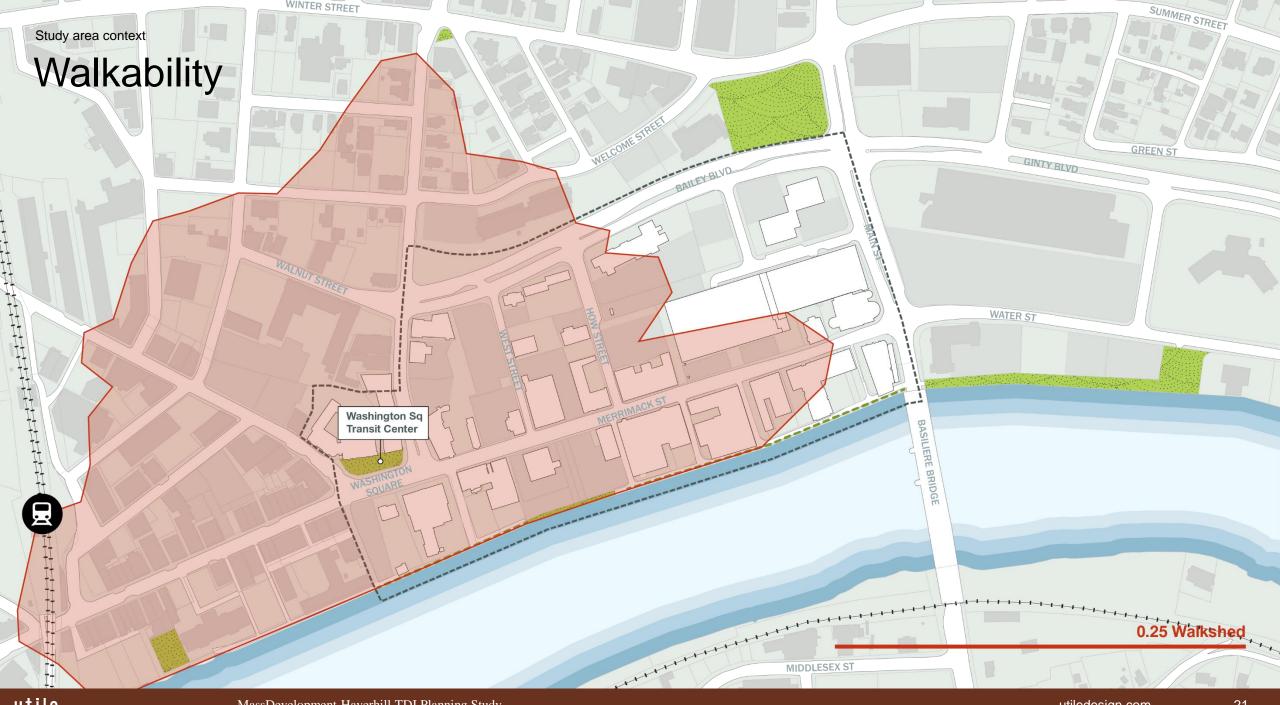
Washington Square and the Boardwalk along with Harbor place form major assets for the district.





Emerson Street

Completed section of the Boardwalk behind Haverhill Bank



Urban Design Challenges

Streets lined with surface parking lots and wide streets pose a challenge to achieve a pedestrian friendly environment.



The Goecke Deck and surface parking create a 300' gap in the street wall



Bailey Boulevard and Main Street intersection

Urban Design Challenges

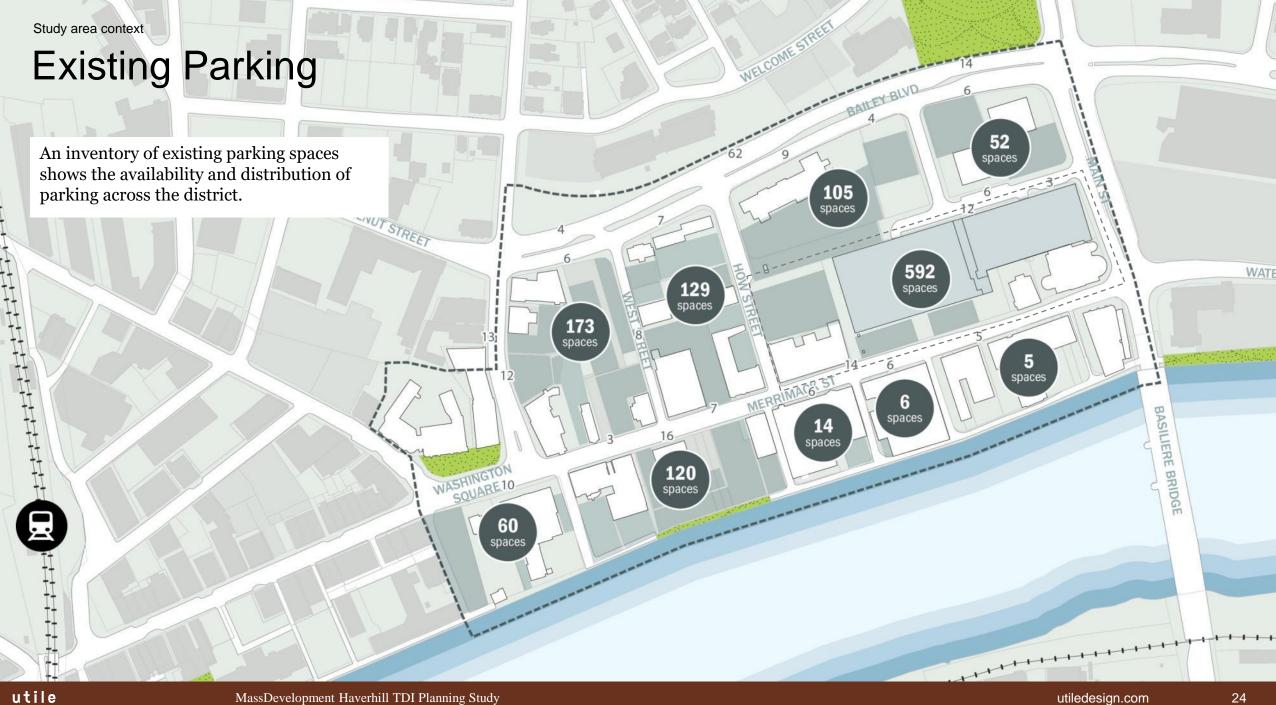
There are opportunities to have better access and visual links to the river and to improve streetscape along the ladder streets.





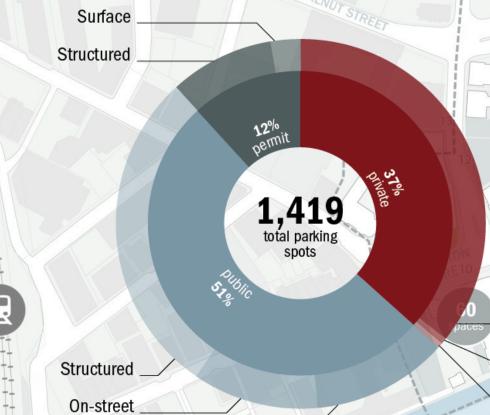
Disconnection from the river

Unappealing ladder streets



Existing Parking

Out of the total supply of parking more than 50% is public parking, which includes Goecke deck.



paces 5 5 5 spaces

105

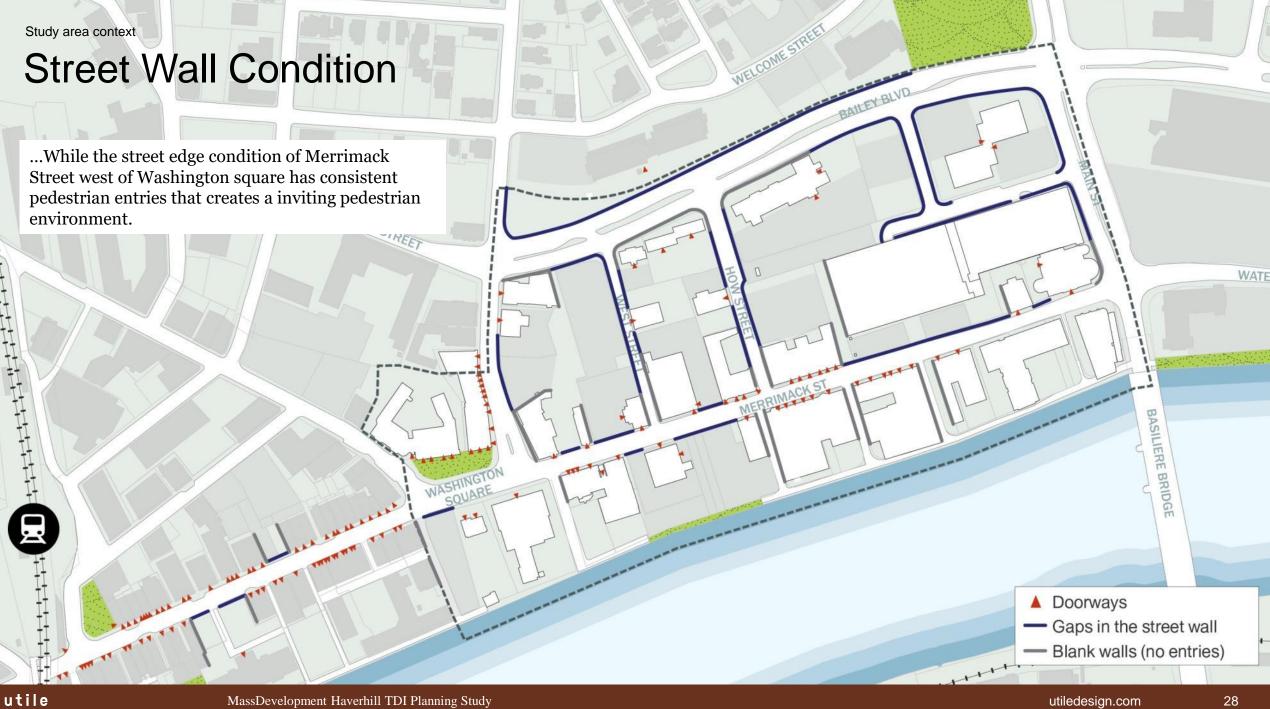
On-street

Surface

Structured

Surface





Summary of Urban Design Opportunities and Challenges

Opportunities

- Walkability
- Available parcels for development
- Latent potential in district assets: Boys and Girls Club, boardwalk, Washington Square, GAR park, Harbor Place

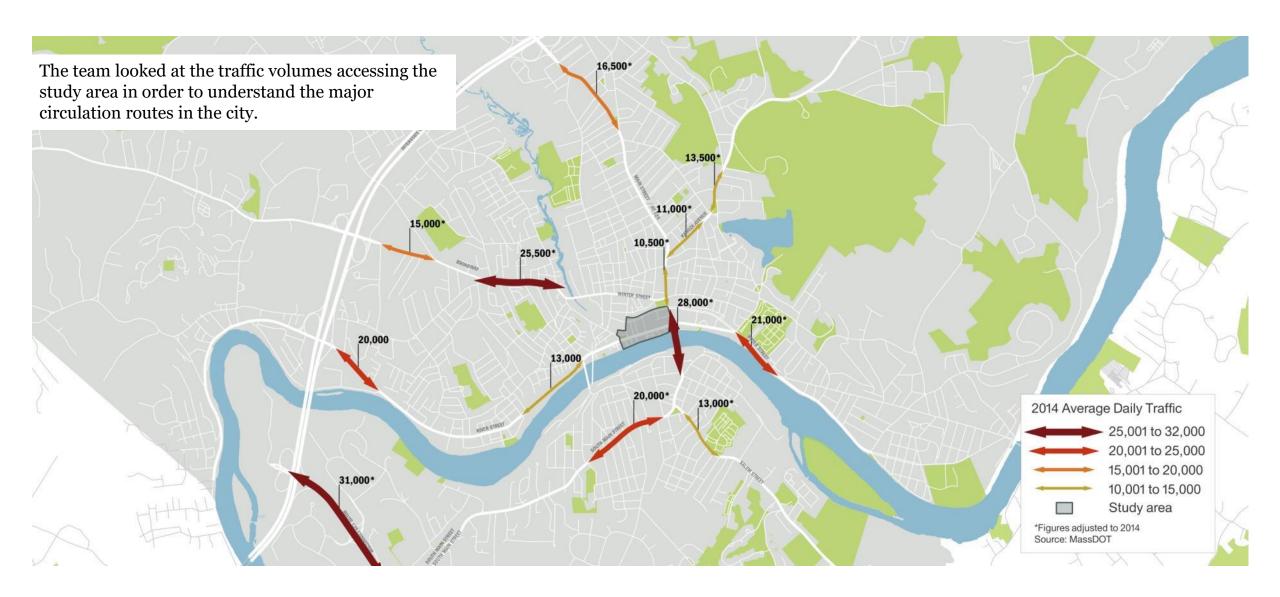
Challenges

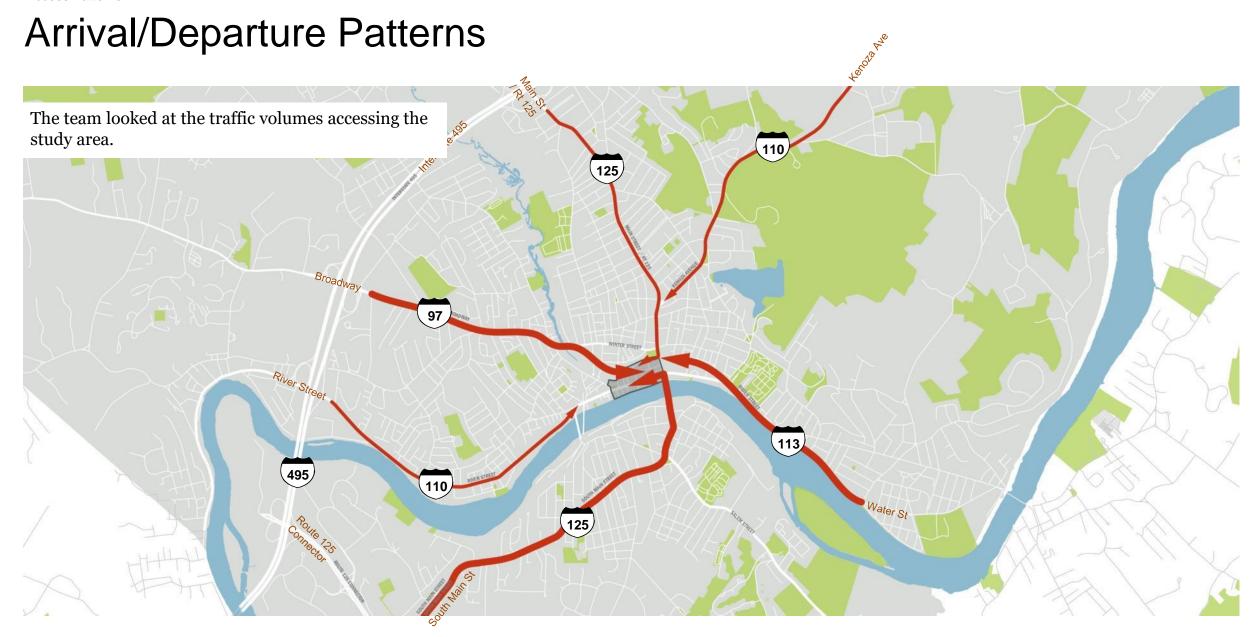
- Street and intersection conditions
- Perception of parking scarcity
- Gaps in the street wall
- Underutilized parcels
- Poor connectivity between centers of activity
- Disconnection from the waterfront
- Streets to nowhere



Washington Square

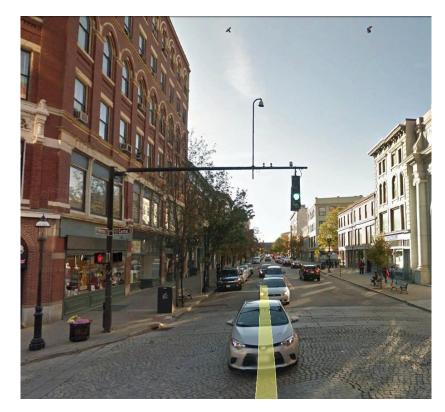
Haverhill Traffic Counts





Average Annual Daily Traffic 2014 Avg. Annual Daily Traffic 25,001 to 32,000 20,001 to 25,000 15,001 to 20,000 The team analyzed the traffic volumes moving 10,001 to 15,000 through the study area and internal circulation 0 to 10,000 within the district. * Figures Adjusted to 2014 Source: MassDOT 10,500* 25,500* 15,000* 16,066 5,500* 10,000 7,000* 7,988 4,500* 13,000* 1,000 28,000* 21,000 12,500 13,000

Average Annual Daily Traffic for Comparable Downtown Streets



Lowell, MA - Merrimack Street between Bridge Street and Dutton

AADT ~9,850 vehicles

(NOTE: this is an estimate based off TMC counts and was collected when Merrimack was one-way 2012 counts)

As compared to 12,000 vehicles on Merrimack Street



Newburyport, MA- State Street between Liberty Street and Middle Street
AADT ~9,400 vehicles
(2004)

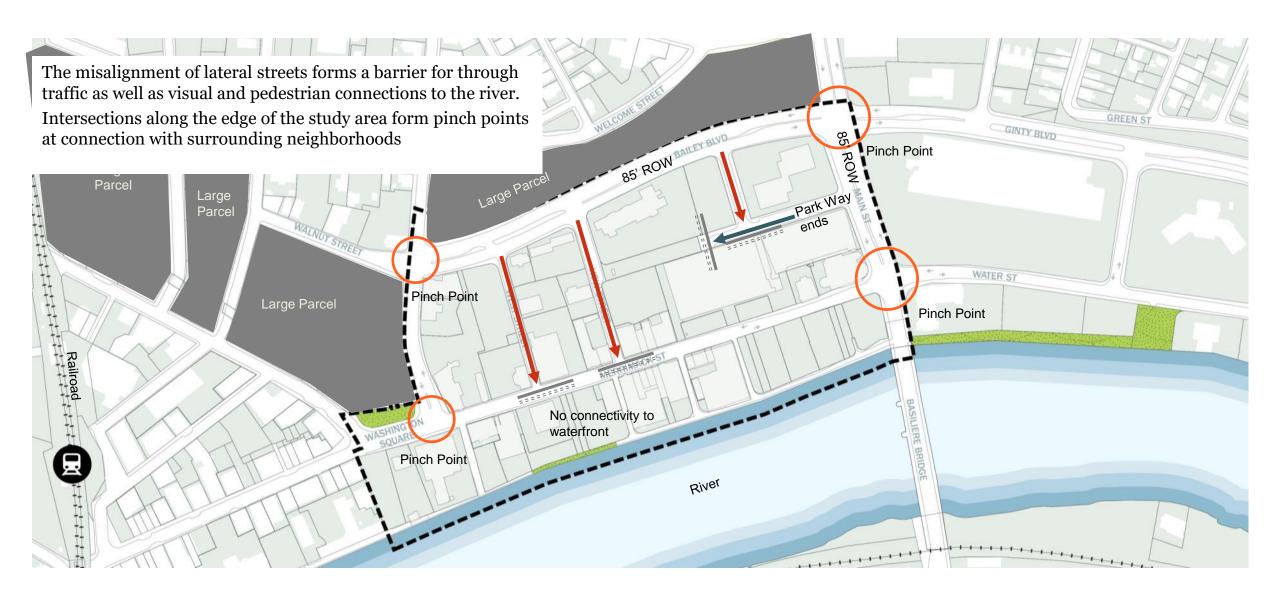


Salem, MA- Washington Street between Lynde Street and Essex Street

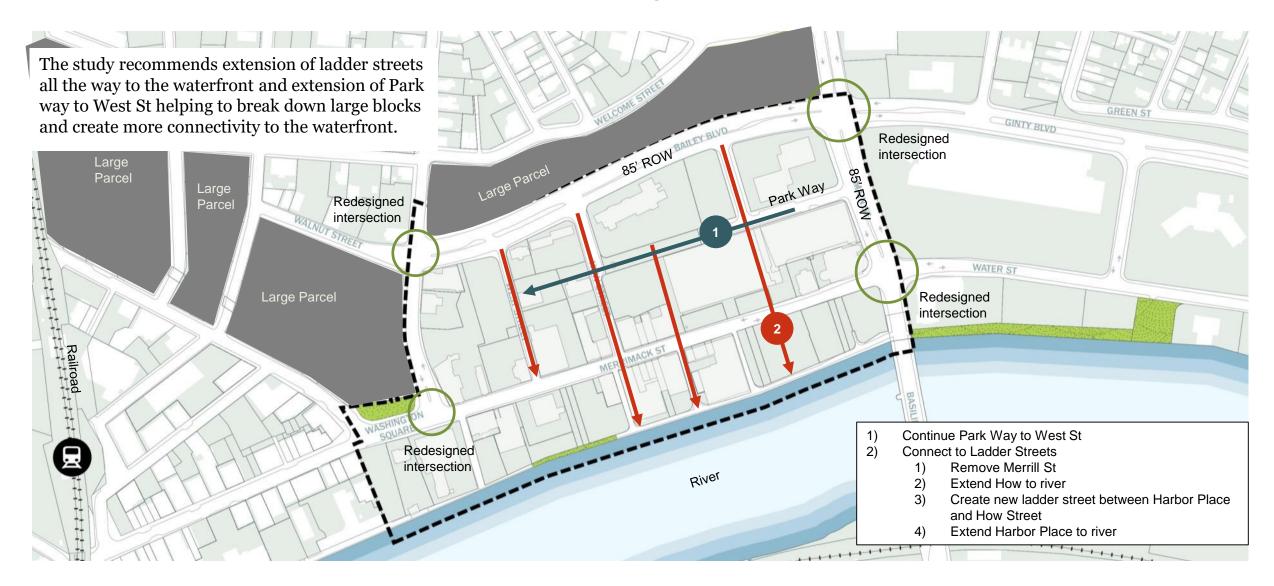
AADT ~18,500 vehicles
(2010)

A look at comparable downtown streets shows successful retail streets with inviting pedestrian environments despite having comparable or less vehicular traffic than Merrimack Street. Thus, this study has put more emphasis on improved pedestrian environment as a driver for successful retail on Merrimack Street.

Downtown Haverhill Barriers



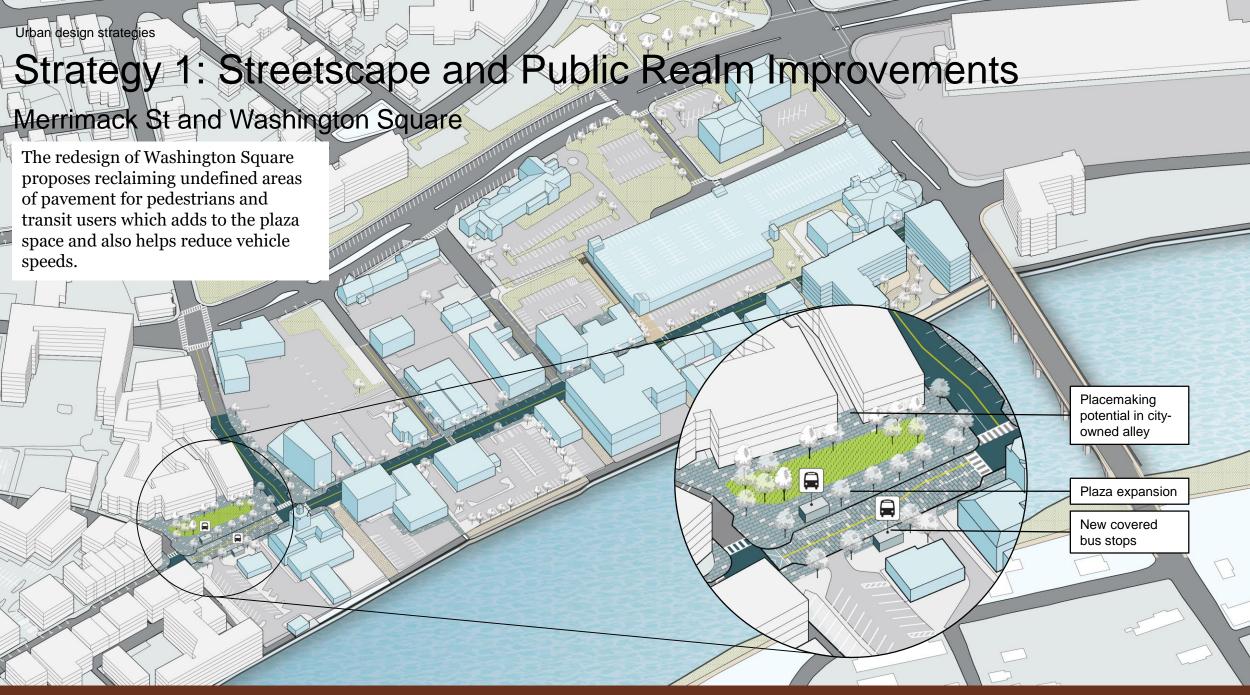
Connectivity and Circulation Strategies



Urban Design Strategies

- Strategy 01: Streetscape and Public realm improvements Merrimack Street and Washington Square
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- Streetscape and Storefront Guidelines









Curb extensions

Curb extensions help slow turning vehicles and improve pedestrian visibility and safety.



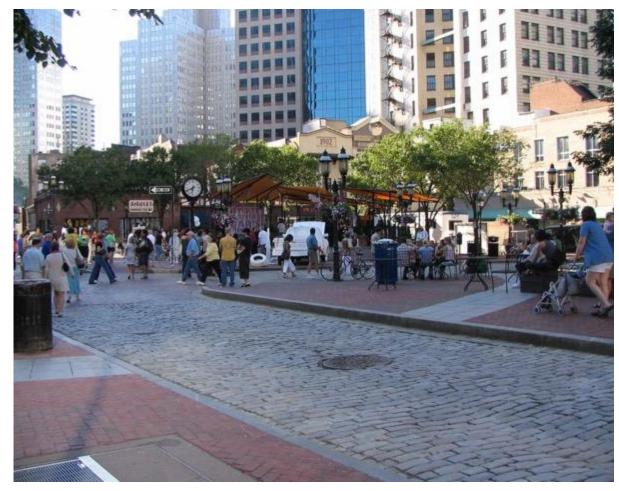




Portland, OR Hoboken, NJ

Seattle, WA

Shared Space



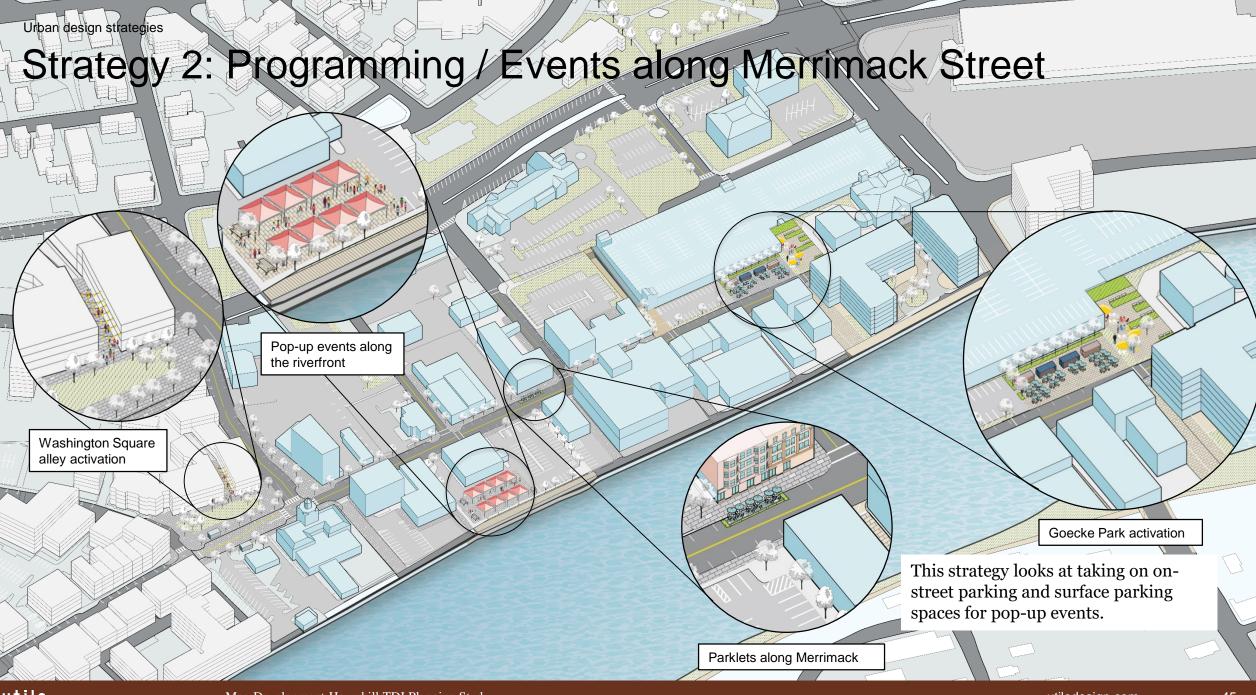
Market Square, Pittsburgh: street is on the same plane as the sidewalk cafés on the perimeter



New Road, Brighton: Motor vehicles, cyclists, and pedestrians share the same space.

Strategy 2: Programming / Events along Merrimack Street

Near term placemaking strategy includes activating the riverfront and Goecke Park, and parklets along Merrimack Street. Plaza programming Activate east end of district through flexible/temporary retail spaces Initiate parklet program Extend downtown street festivals to Merrimack St Regular boardwalk-proximate events Activate public alleyway to draw activity to Merrimack St and the river



Programming and Activation: Public Alleys

A look at an alley activation precedent in Austin, TX







20 ft wide alley in Austin, TX

Programming and Activation: Festivals and Open Streets

Festivals and open street precedents like the River Ruckus in Haverhill MA; Open Street programming ongoing nationwide; and Street Dinners, an international program









Programming and Activation: Parklets and Plazas

Plaza activation efforts at Goecke Park, Haverhill MA; Grays Ferry Triangle plaza improvements, Philadelphia, PA; and parklet design Forge Baking Co. in Somerville, MA









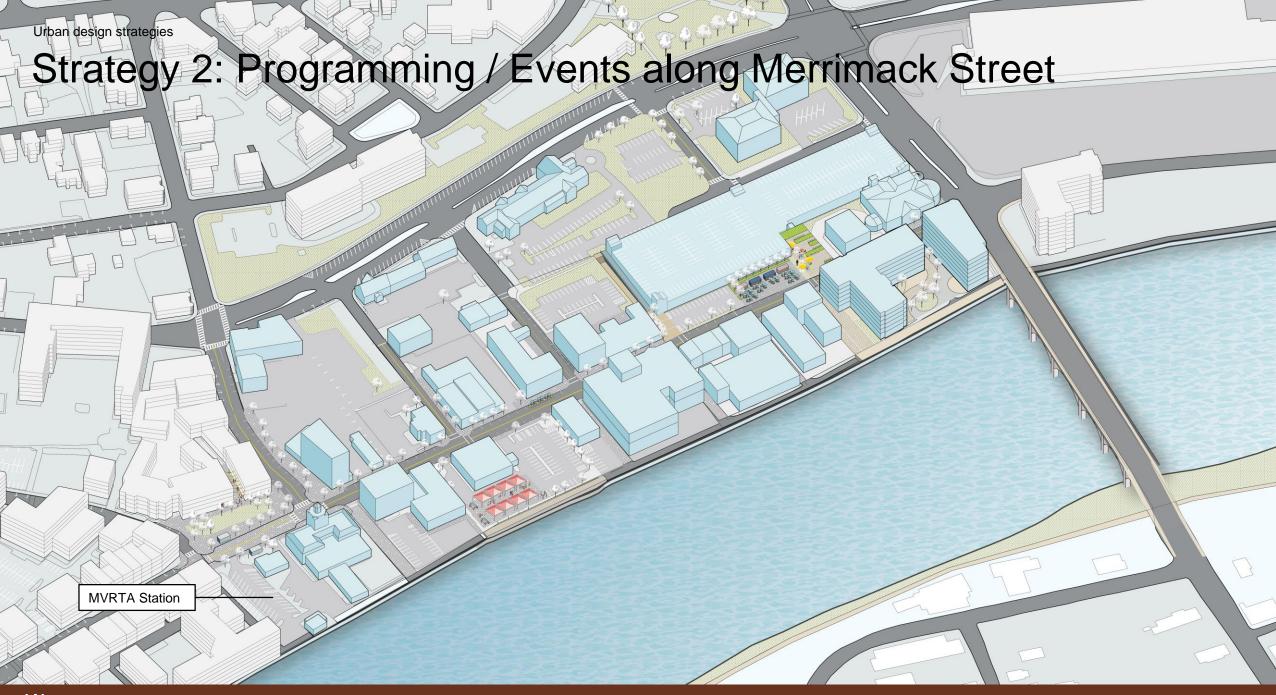
Programming and Activation: Shipping Containers/Temporary Retail

Precedents for use of shipping containers as temporary retail space done in Proxy, San Francisco, CA; café and retail activation of vacant parking lot and Chaiwalla & Co container café, Malaysia









Strategy 3: Redesign of MVRTA Station and Boardwalk Extension

Strategy 3 proposes redesign of the MVRTA station so that it ramps up to the boardwalk creating a seamless pedestrian access to the riverfront and easy circulation for the buses. It feeds into the extended Washington square forming a larger open space.

Continuous boardwalk from Washington Square to Harbor Place

Completed boardwalk/Bradford Rail Trail circuit

Parking reserved for residents

New bus stops

Pedestrian connection to boardwalk

Strategy 3: Redesign of MVRTA Station and Boardwalk Extension

The proposed design has queuing space for 6 buses at the station site and two additional spaces along Merrimack St. The raised plinth allows connection to the boardwalk while keeping access to the existing pump house.

The design retains surface parking at the extension of Essex St.

Additional parking for post office below plinth

Pedestrian connection to boardwalk

Resident parking

Pump house access

Strategy 3: Redesign of MVRTA Station and Boardwalk Extension

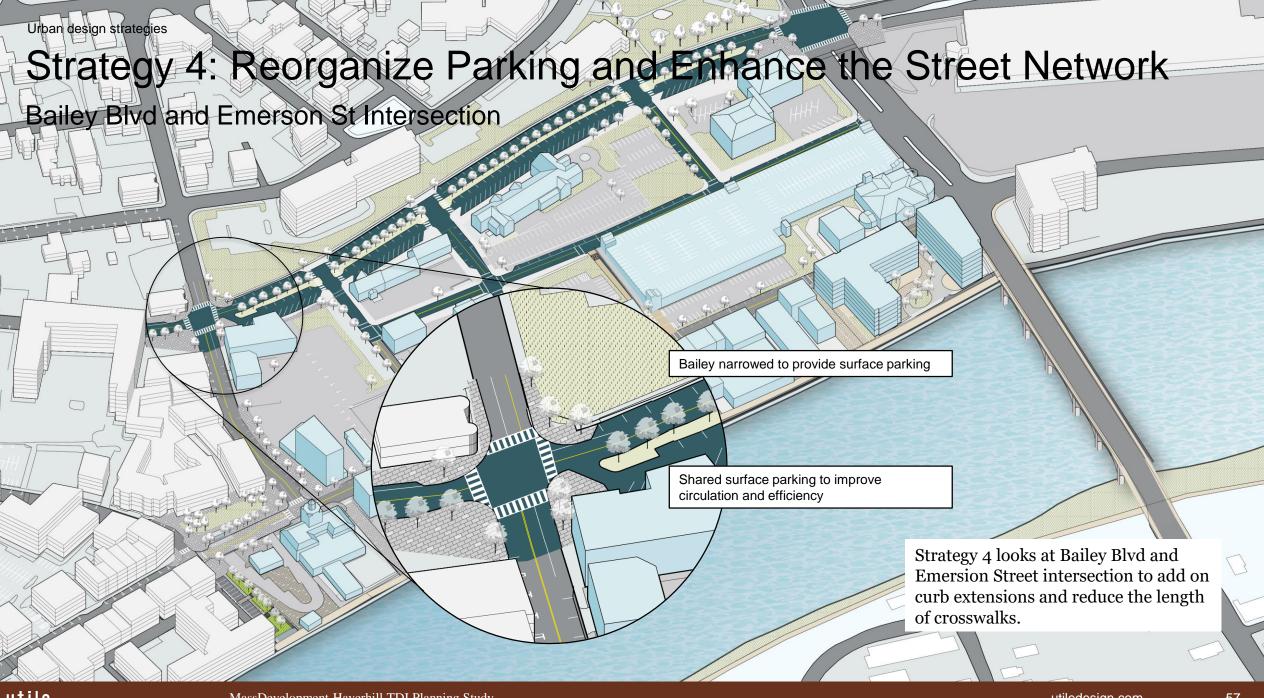
In case of the future possibility of relocation of the MVRTA station, the plinth could be converted into a park looking over the river.

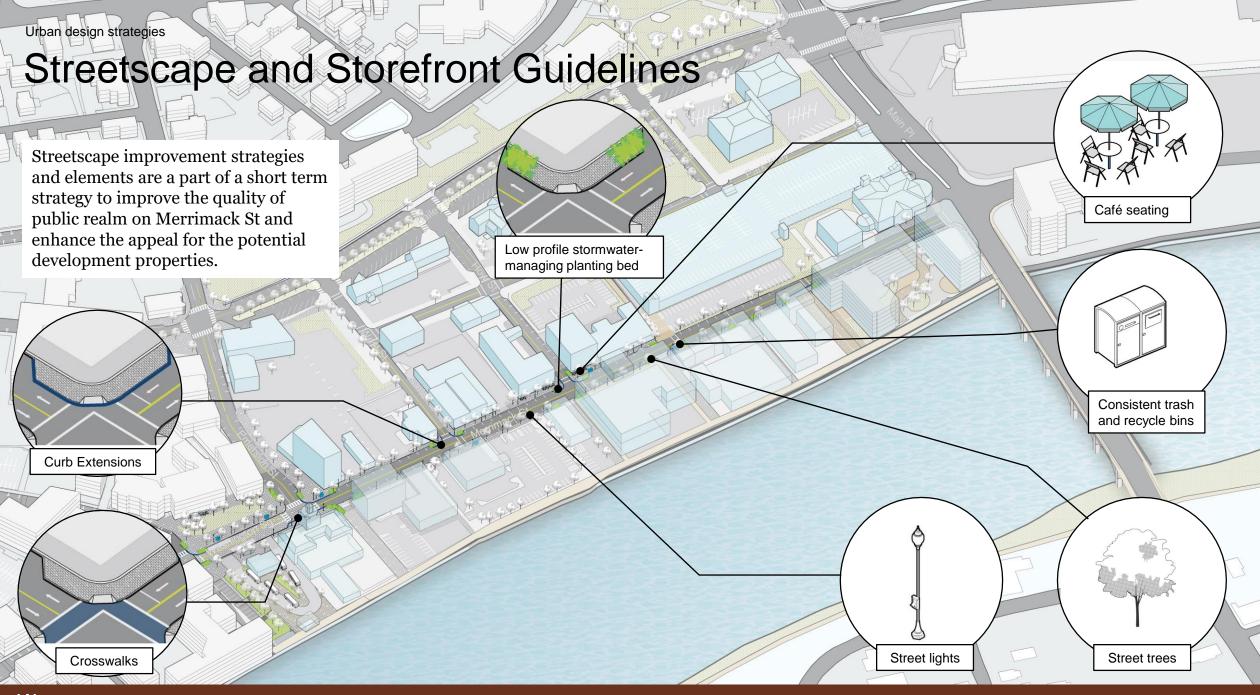
Continuous lawn, considering the MVRTA station will move

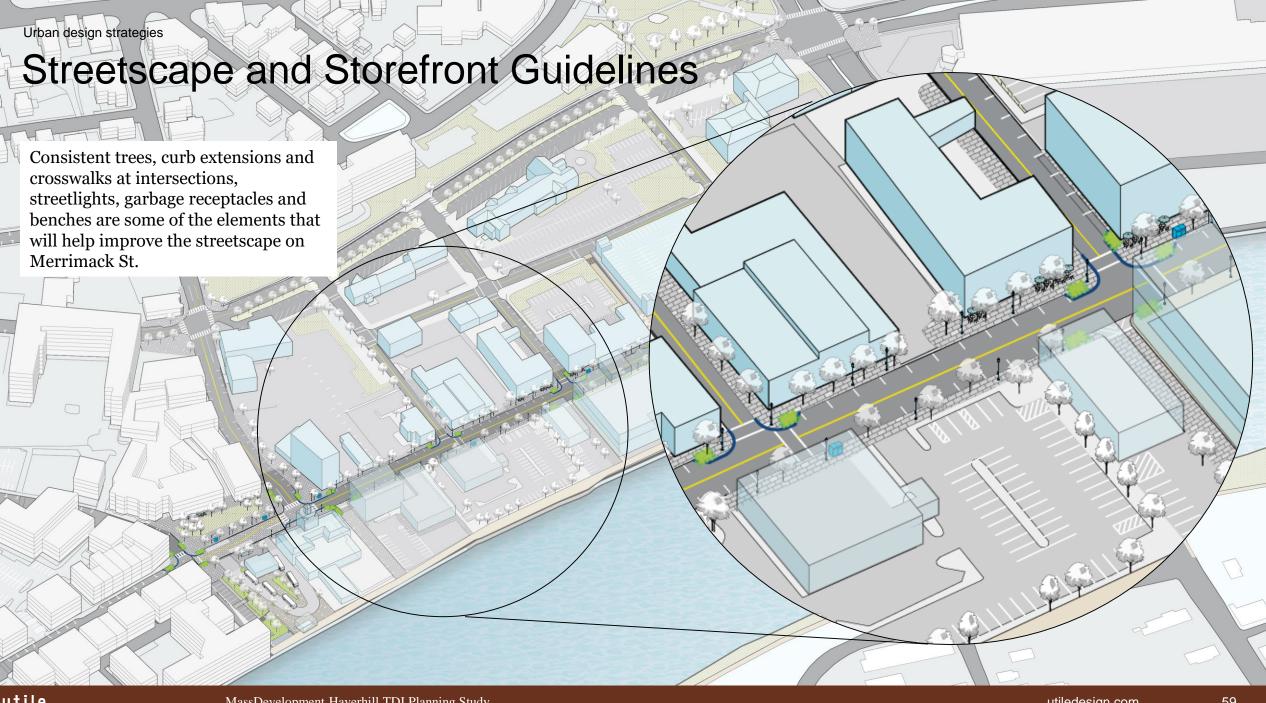
Pump house access





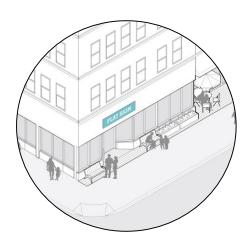






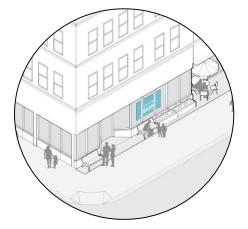
Signage Guidelines

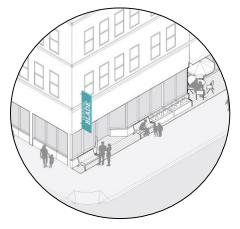
The team recommends that the City disseminate a set of storefront improvement "guidelines" that advise store owners on a number of discrete, inexpensive improvement projects, which though consistent, embrace and respect the kind of diversity that marks a truly vibrant district.

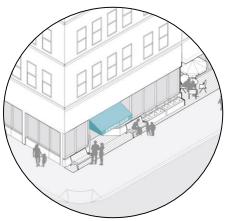


Flat Sign

- Maximum letter height: 24 inches
- Maximum letter projection: 6 inches
- Maximum letter recession: 1 inch.







Window Sign

- Signage may not exceed 30% of the total glass area of the storefront.
- If the window sign includes an opaque background, it must be located below 36 inches.

Vertical Blade

- Maximum sign projection: ½ of the sidewalk width
- Sign must be located above the first floor cornice line.
- Signage should be limited to the front and back faces of the blade.

Awning

- Maximum sign projection: 48 inches or ½ the sidewalk width, whichever is less
- Graphics should be limited to the front face of the awning.

Redevelopment Strategies: Market Overview

Market Context

How does Haverhill and how do the Study Area sites fit in the marketplace?

Opportunities

- Positive growth and unmet demand
- Accessibility to/from surrounding market area
- Substantial population and employment densities
- Historic significance of existing built environment
- Authentic downtown environment

Challenges

- Existing site conditions and market perceptions
- Substantial market competition in surrounding area
- Economics of new construction in the downtown

Key Questions for the Study Area Sites

- Given market and economic realities, how best to position new development short term and long term?
- What uses on which sites? What should lead, what should follow? What kind of incentives can be brought to bear to enhance feasible development?

Residential Market Observations

- Haverhill is a "value" market offering a cost competitive alternative to submarket locations closer to Boston, Cambridge and other Rte 93/495 employment centers.
- The **downtown is an attractive location** for housing, providing a handsome historic environment, commercial amenities and Commuter Rail access to Boston.
- The downtown also serves **direct market demand** generated in Haverhill proper which enjoys a significant employment base.
- Demand is strong, but rents in the downtown cannot easily shoulder the cost of new construction without supports. And the economics of urban scale/mid- and high-rise construction are especially challenging in the current market.

- Incentives that reduce the cost of development (land costs, parking, amenities, tax credits, etc.), enhance project marketability (and rents/sale prices) and reduce or slow the growth of occupancy costs (RE taxes, maintenance, etc.) offer the potential to produce feasible urban-scale market rate residential construction
- Until or unless incentives are made available to support larger scale urban development, residential production is expected to remain feasible in the near term only for low-rise (stick-built) product on infill sites, where costs are lower, developer return requirements are more modest and the necessary balance between cost and revenue expectations can be achieved.

Retail Market Observations

- Haverhill is primarily a **neighborhood/community serving market** offering goods and services to the indigenous residential and day-time employee markets (restaurant, grocery, convenience goods, entertainment, etc.).
- Visitation to educational institutions, historic sites and other transient demand has the potential to bolster downtown retail performance (for existing and new space) provided that there is a concerted effort to match the transient demand to the supply (restaurants, gifts, sundries, etc.).
- Economic fundamentals support new development feasibility for certain kinds of retail users and for certain locations. Specifically, retail space must be concentrated to succeed and CANNOT be targeted for occupancy of all ground floors on all streets (certain nodes on Merrimack Street for example).

- Identifying credit quality build-to-suit tenants or owner-users is seen as essential to any major retail development success in both the short and long terms.
- Incentives that reduce the cost of development (land costs, parking, amenities, tax credits, etc.), enhance project marketability (and rents) and reduce or slow the growth of occupancy costs (RE taxes, maintenance, etc.) are seen as essential to the feasibility of new construction aimed at non-anchor, independent retail occupancy.

Office Market Observations

- **Haverhill is a "local" market** offering a cost competitive option to local finance, insurance and real estate (FIRE) users that serve the commercial office needs of the community.
- Economic fundamentals do not support new development feasibility achievable office rents are not insufficient to underwrite the cost of new construction. Substantial upper floor space (in varying states of renovation) is available to meet the identified demand targets.
- Identifying build-to-suit anchor tenants or owner-users is seen as essential to any office development success in both the short and long terms (speculative office development is a non-starter).

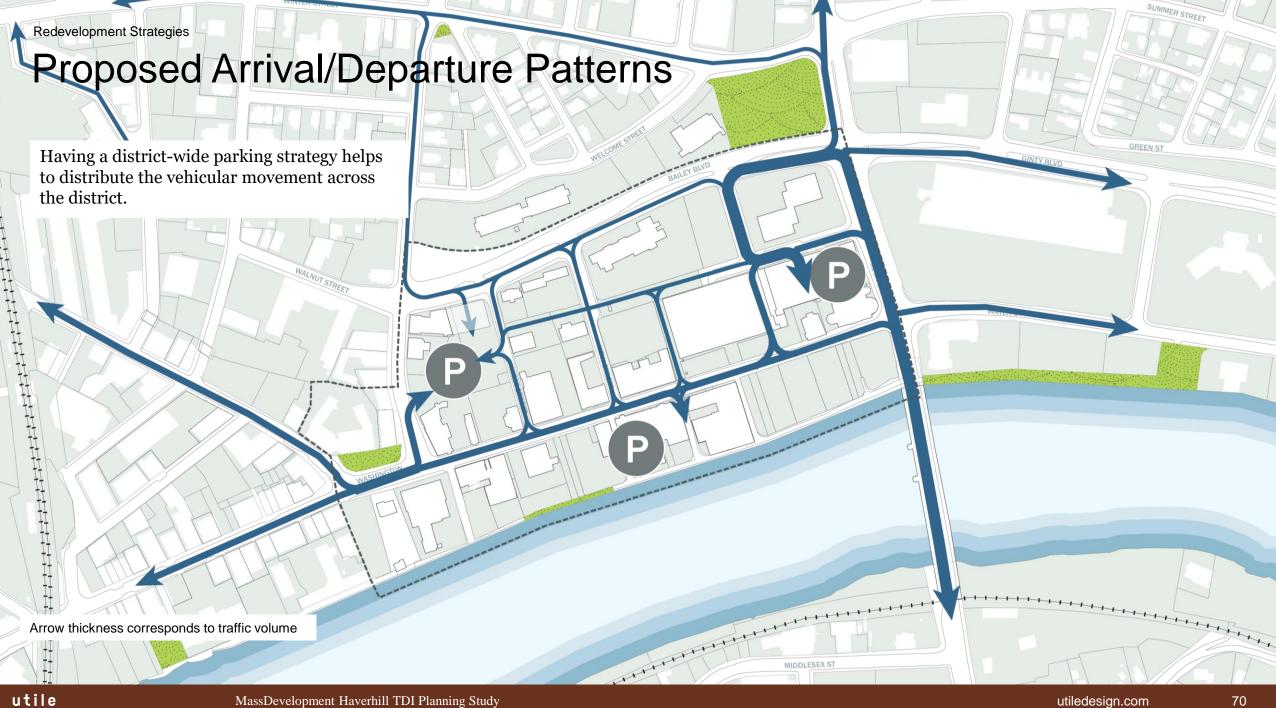
- Incentives that reduce the cost of development (land costs, parking, amenities, tax credits, etc.), enhance project marketability (and rents) and reduce or slow the growth of occupancy costs (RE taxes, maintenance, etc.) are seen as essential to the feasibility of new construction
- The downtown hotel market does not support feasible new hotel development today, but successful business attraction and expansion initiatives and downtown revitalization efforts are expected to provide an economic rationale for downtown hotel development in the future.
- Institutional and public sector office uses, including existing non-profit, educational and governmental entities are seen as anchoring influences in the downtown, providing a destination draw that enhances activity levels in the downtown market overall.

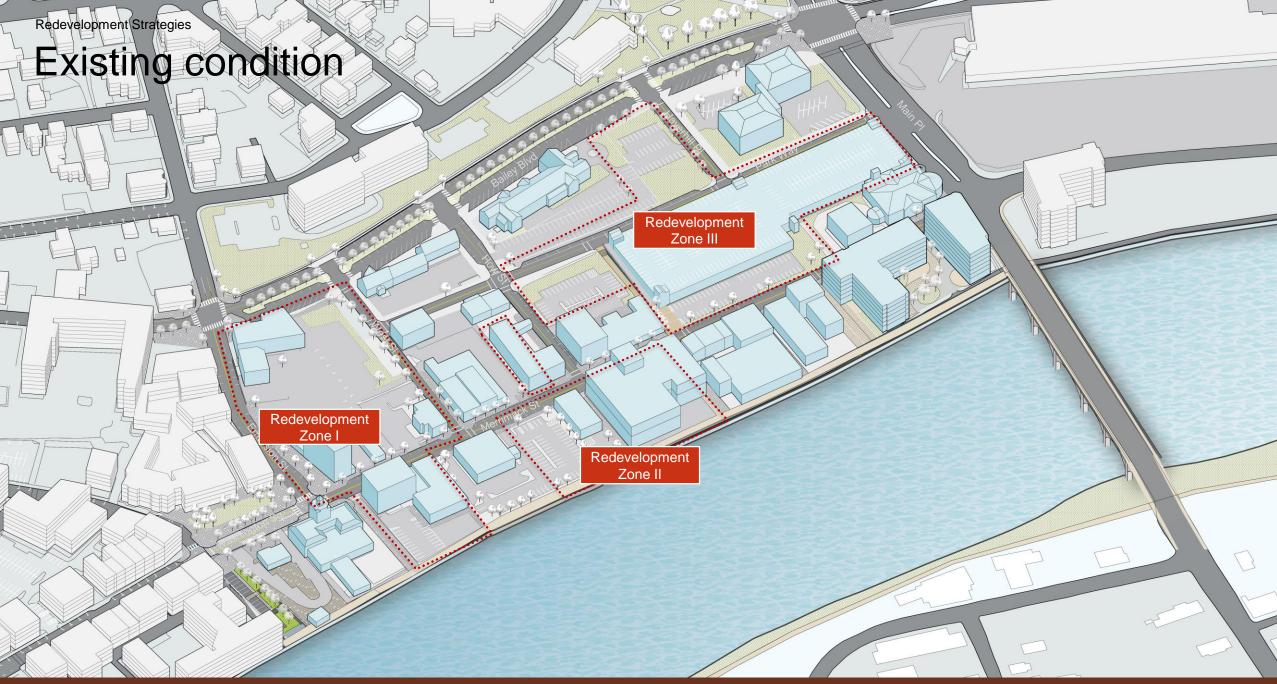
Redevelopment Strategies: Recommendations

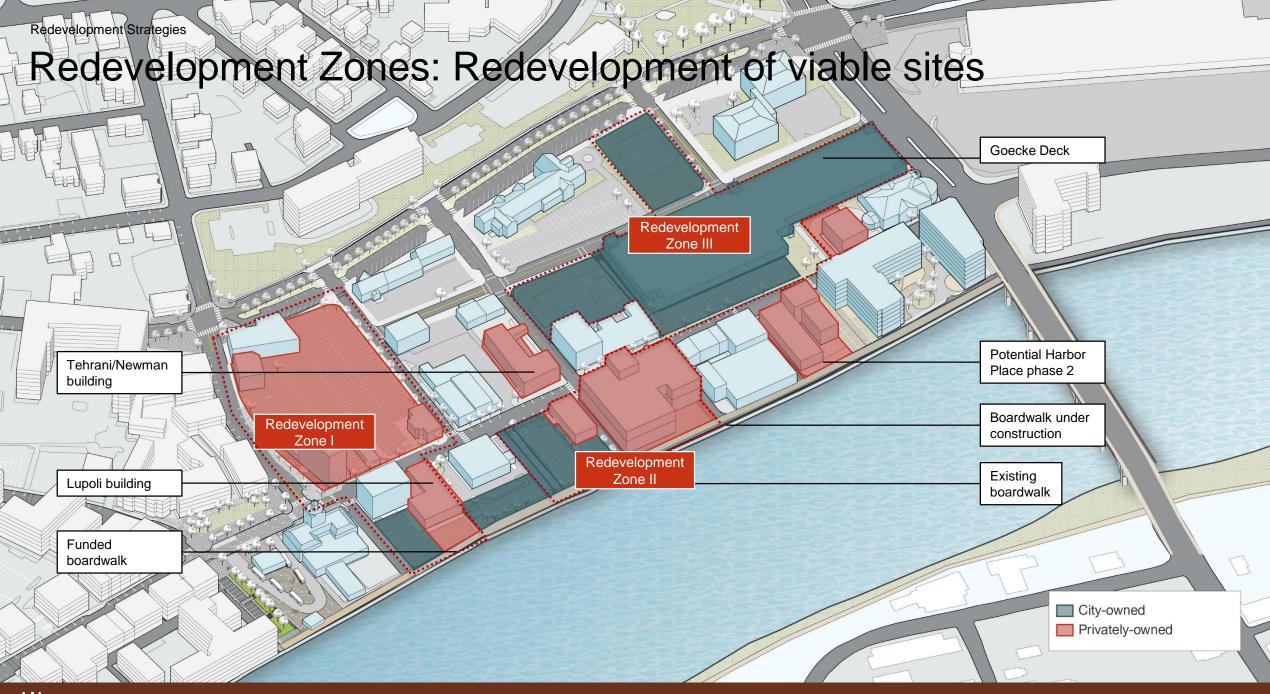


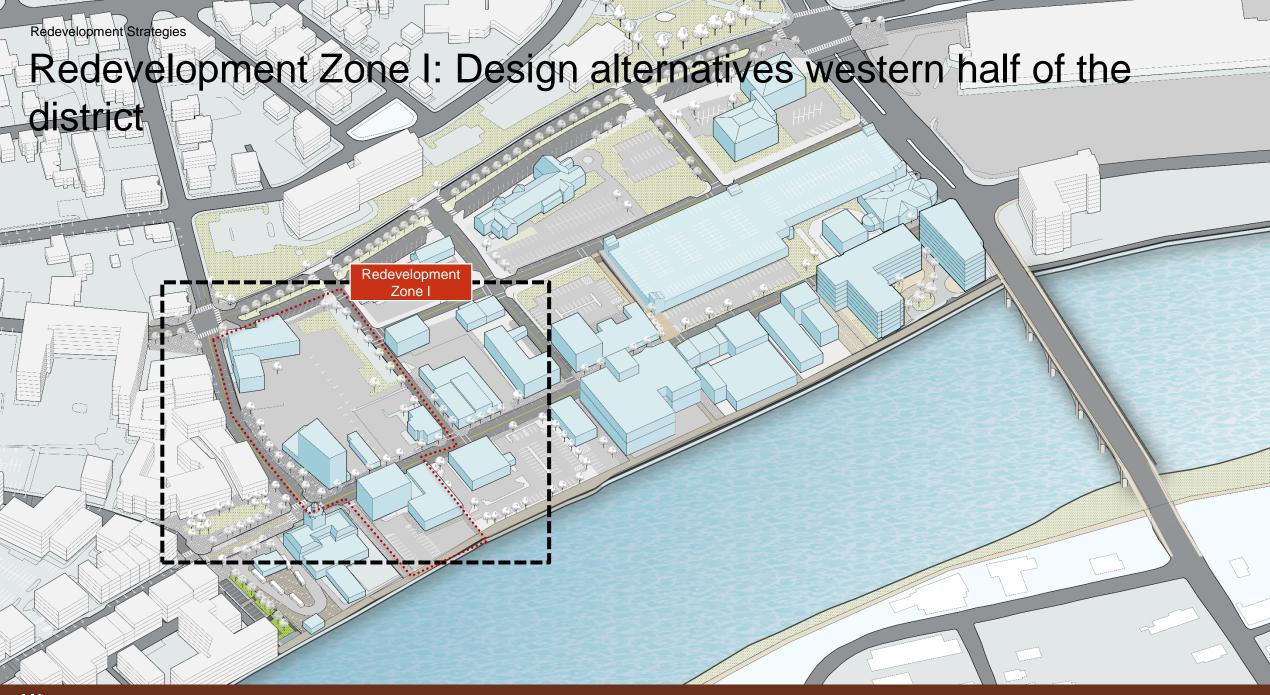












Redevelopment Zone I: Existing Parcel Alignment

Redevelopment zone l looks at parcels 5, 17,18,19 and 20 shown in the adjacent map.



Redevelopment Zone I: Future Development Parcels

Re-parcelization allows for a comprehensive strategy for this zone.

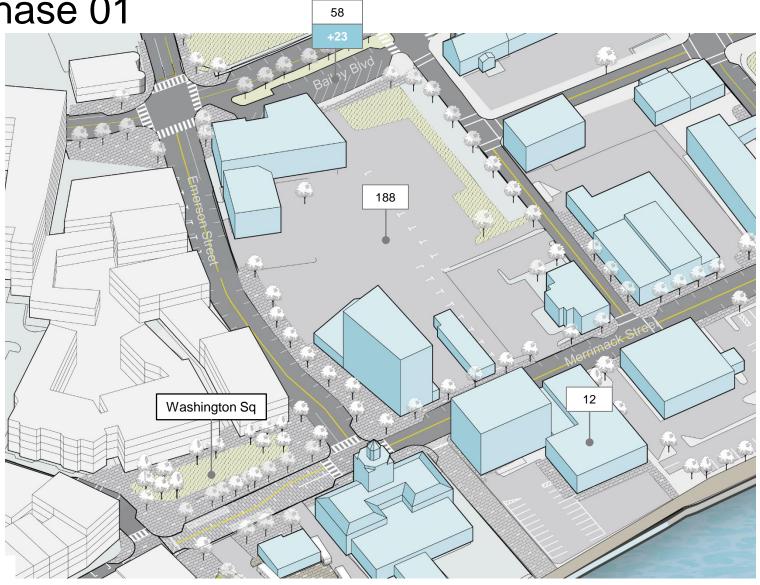


Redevelopment Zone I: Phase 01

Phase 01 incorporates the public realm improvements to Washington Square and along Merrimack St and Bailey Blvd.

Parking Inventory

Total Supply – 258 spaces Total Demand – 136 spaces 96 Surplus* Parking spaces



^{*} Surplus to reserve capacity (90% of total supply)

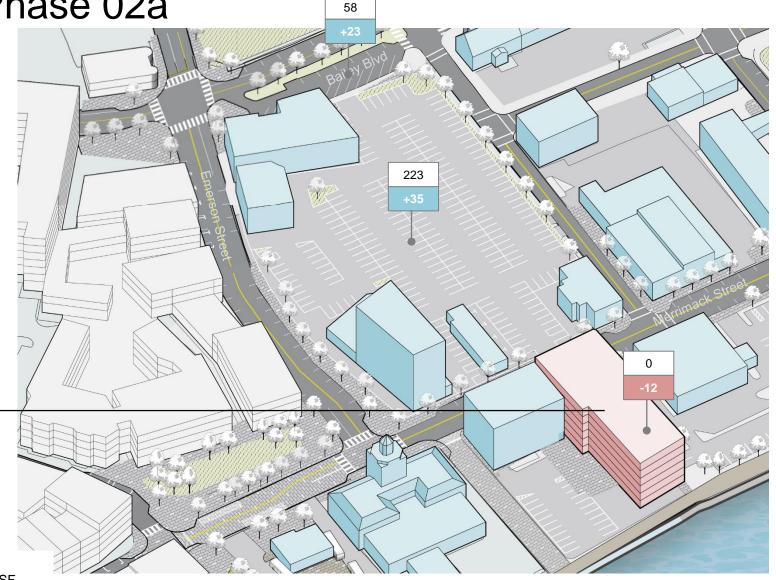
Redevelopment Zone I: Phase 02a

Phase 02a proposes consolidating the existing surface parking lots and restriping them to get 35 additional spaces. Phase 02 also looks at a 6 story commercial/office development on Lupoli site.

5 6-story commercial – ~75,000 SF

Parking Inventory

Total Supply – 281 spaces Total Demand – 221 spaces 32 Surplus* Parking spaces



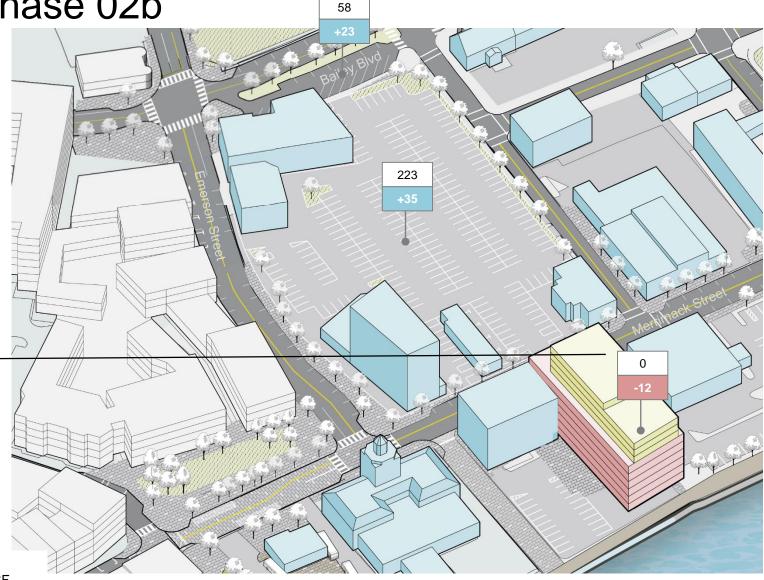
Redevelopment Zone I: Phase 02b

Phase 02b looks at an alternate 10 story mixed use commercial/office and residential development option on Lupoli site.

5 10-story mixed use 6-story commercial – ~75,000SF 4-story residential – 37,170 SF, 41 units

Parking Inventory

Total Supply – 281 spaces Total Demand – 237 spaces 16 Surplus* Parking spaces



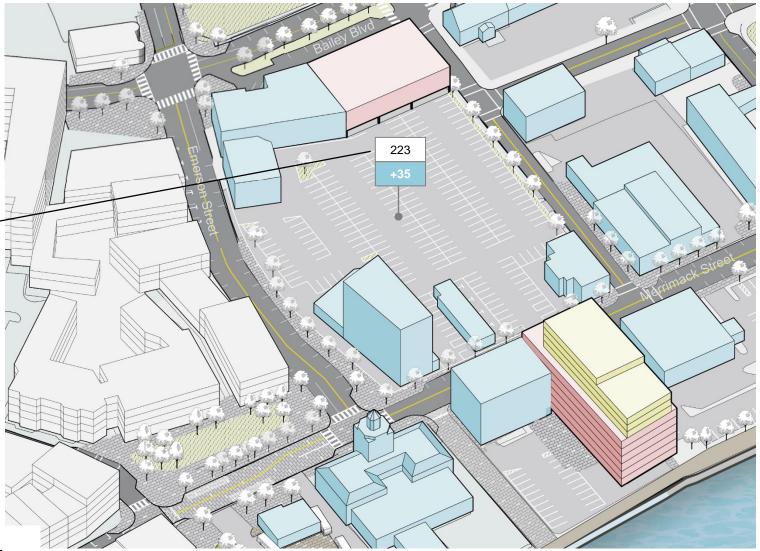
Redevelopment Zone I: Phase 3a

Phase 03a looks at the expansion of the Boys & Girls Club preserving the surface parking.

Additional 10,000sf of indoor recreational space with ground floor parking

Parking Inventory

Total Supply – 281 spaces Total Demand – 239 spaces 14 Surplus* Parking spaces



Redevelopment Zone I: Phase 3b

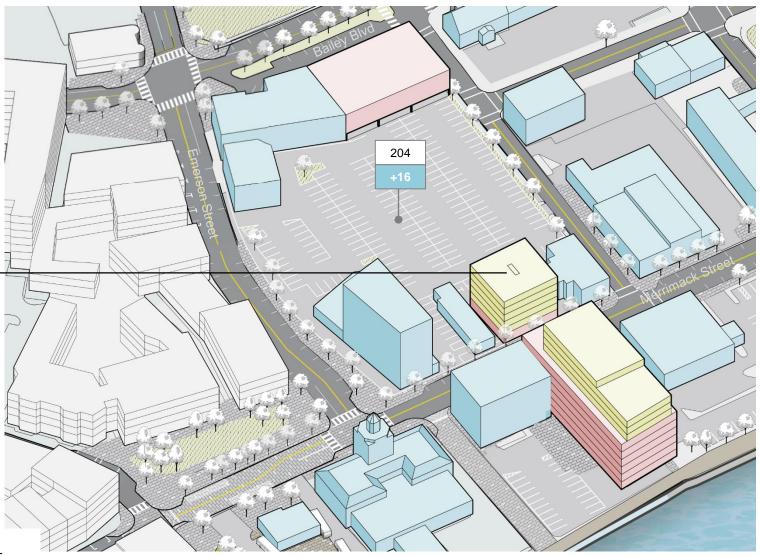
Phase 03b looks at an additional 5 story mixed use development along Merrimack Street which helps maintaining an active street edge.

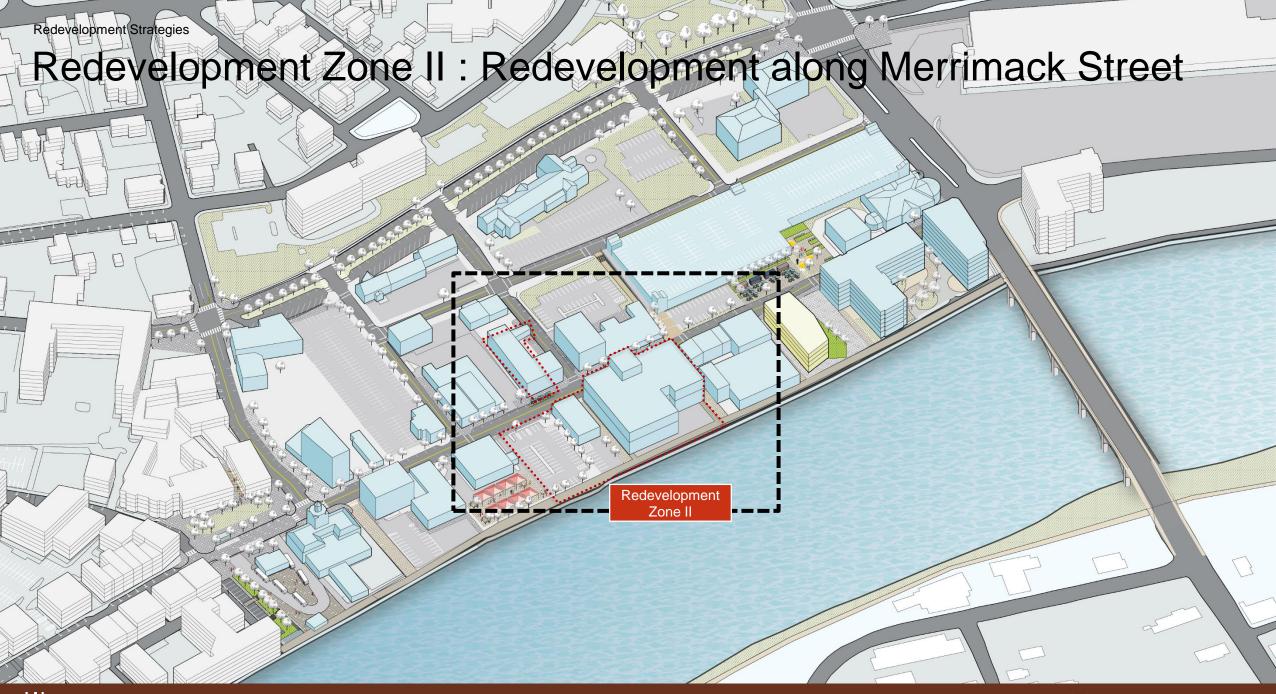
6-A

5-story mixed use Residential – 15,600 SF, 16 units Retail – 3,900 SF

Parking Inventory

Total Supply – 262 spaces Total Demand – 250 spaces -14 Deficit* Parking spaces





Redevelopment Zone II: Existing Parcel Alignment

Redevelopment zone ll looks at parcels 7, 8, 9, 10, 11, 12, 13, 14, 15 and 22 shown in the adjacent map.



Redevelopment Zone II: Existing Parcel Alignment + Surplus

Parcels

Parcel 9 within Redevelopment Zone II has been declared 'surplus property'



Redevelopment Zone II: Future Development Parcels

Consolidation of parcels south of Merrimack Street allows for continuing How Street all the way to the river and having two or three medium size developments along Merrimack Street.



Redevelopment Zone II: Phase 01

Phase 01 considers the public realm improvements along Merrimack Street and extension of the boardwalk along the river for the whole length of the district. **Parking Inventory**

Total Supply – 85 spaces Total Demand – 46 spaces 31 Surplus* Parking spaces

*Surplus to reserve capacity (90% of total supply)

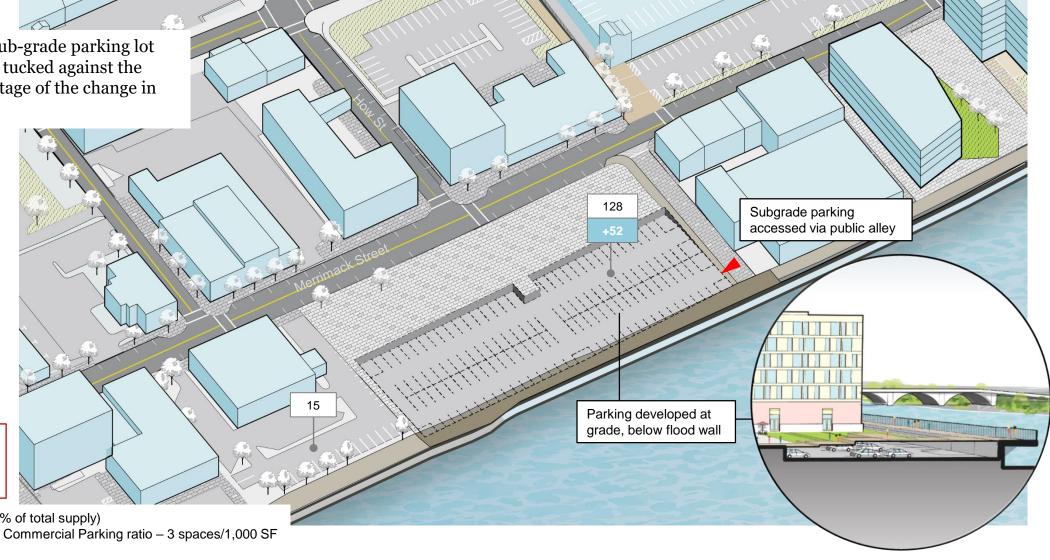
Residential Parking ratio – 0.75, Commercial Parking ratio – 3 spaces/1,000 SF

Redevelopment Zone II: Phase 02a

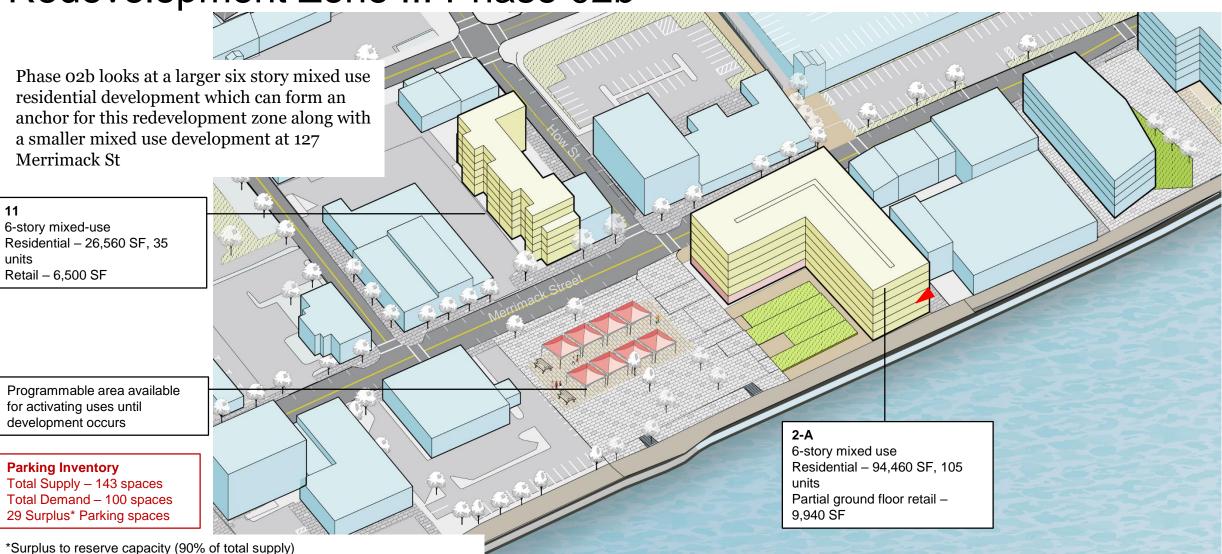
Phase 02a proposes a sub-grade parking lot for future development tucked against the flood wall taking advantage of the change in topography.

Parking Inventory

Total Supply – 143 spaces Total Demand – 46 spaces 83 Surplus* Parking spaces



Redevelopment Zone II: Phase 02b



Residential Parking ratio – 0.75, Commercial Parking ratio – 3 spaces/1,000 SF

Redevelopment Zone II: Phase 03 Option A

Phase 03 option A looks at a smaller residential developments along Merrimack Street with street-facing commercial and water-facing open space

3-A, 3-B

Two Developments 5-story Residential - 32,330 SF, 32 units each Partial ground floor commercial -3,900 SF each

Parking Inventory

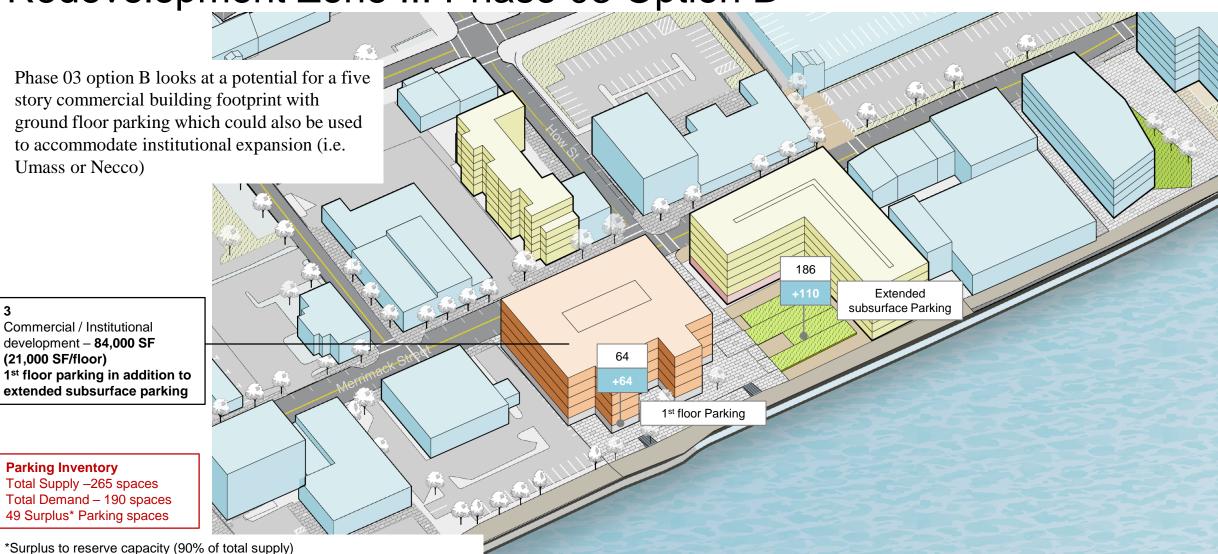
Total Supply – 167 spaces

*Surplus to reserve capacity (90% of total supply) Residential Parking ratio - 0.75, Commercial Parking ratio - 3 spaces/1,000 SF

Total Demand – 128 spaces 22 Surplus* Parking spaces

utile

Redevelopment Zone II: Phase 03 Option B

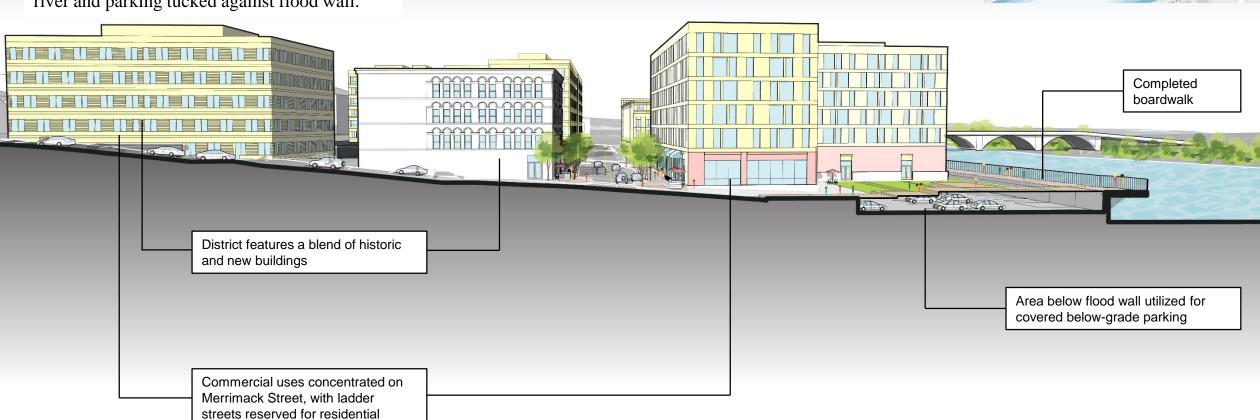


Residential Parking ratio – 0.75, Commercial Parking ratio – 3spaces/1,000 SF

Section

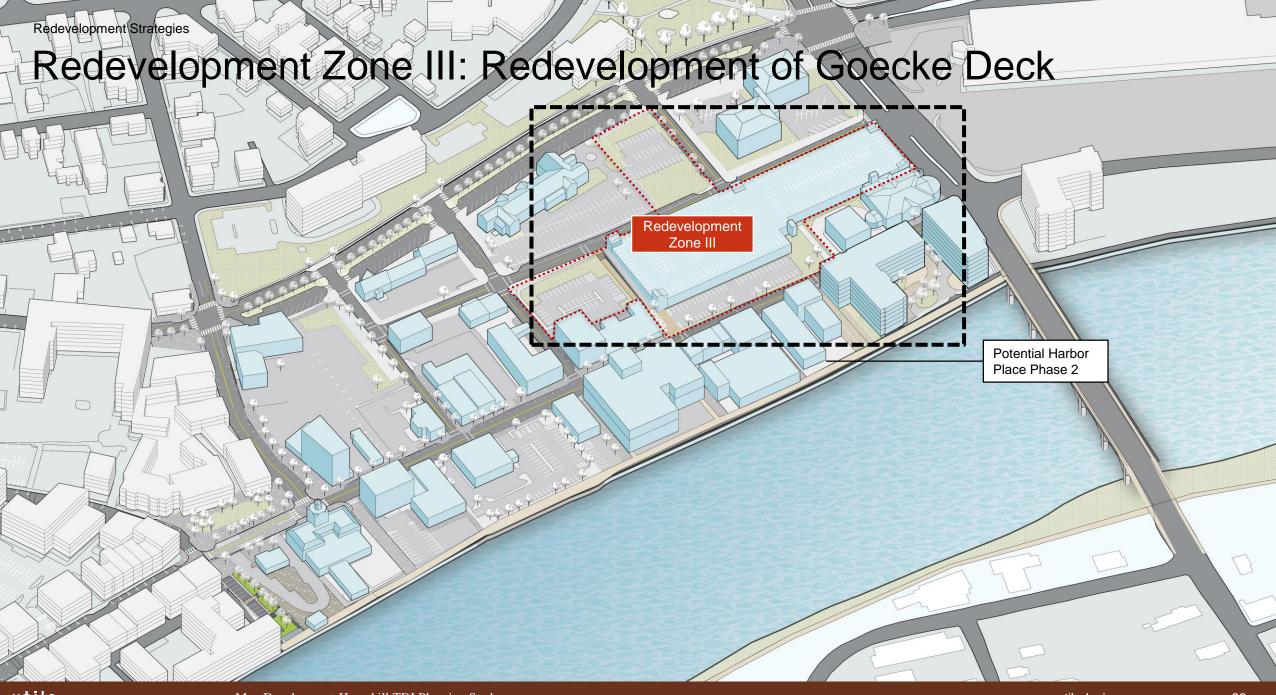
Section through How St and Merrimack St looking west

Section through How Street shows continuous pedestrian access, a view corridor south to the river and parking tucked against flood wall.









Redevelopment Zone III: Existing Parcel Alignment



Redevelopment Zone III: Existing Parcel Alignment + Surplus

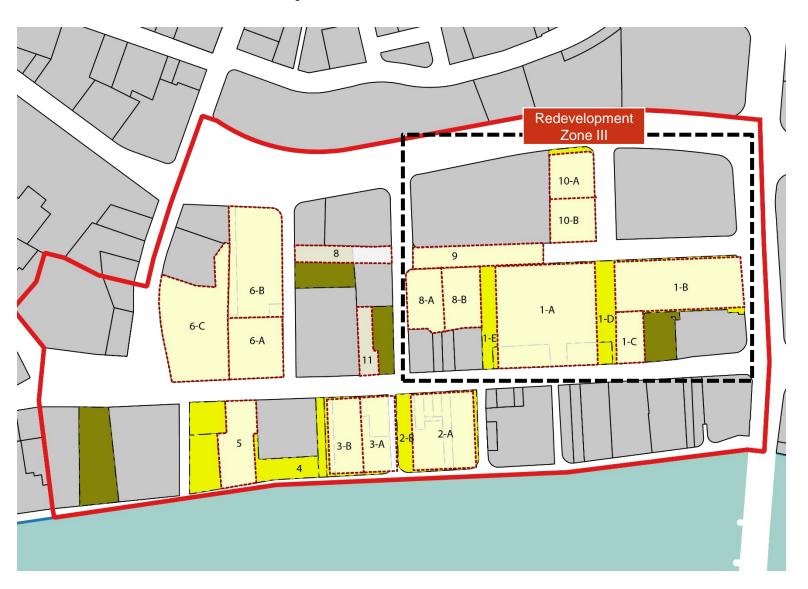
Parcels

Parcel 26, 27, 28 and 30 within Redevelopment Zone II has been declared 'surplus property'

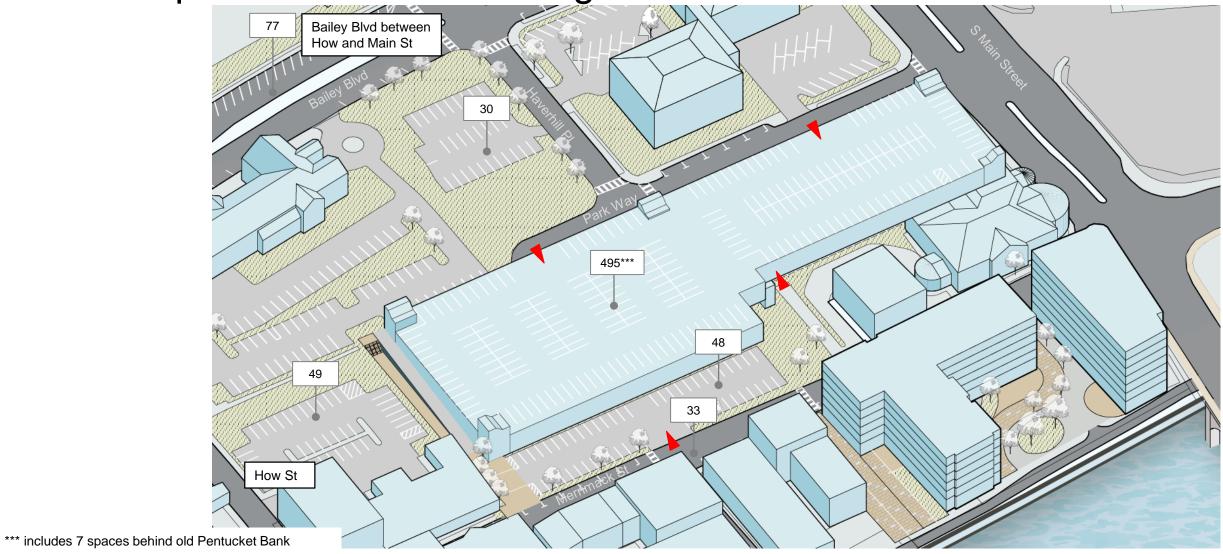


Redevelopment Zone III: Future Development Parcels

Consolidation of city owned parcels allows for comprehensive development and phasing for this zone



Redevelopment Zone III: Existing



Redevelopment Zone III: Phase 01

Phase o1 considers the public realm improvements and additional on-street parking at Merrimack Street, Baily Blvd, Haverhill Pl and Park way extension.

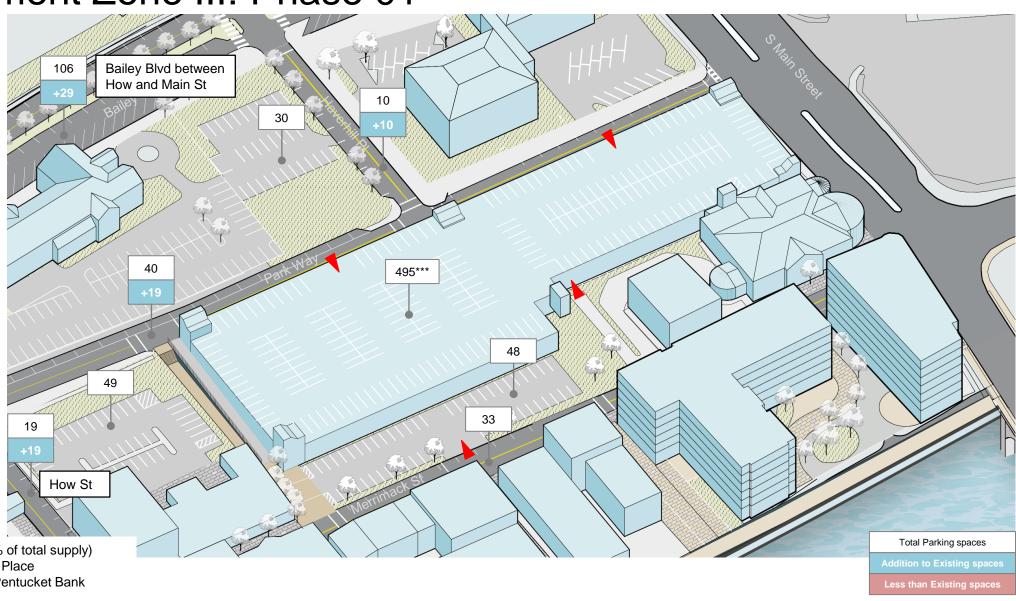
Average parking utilization in this district is less than 60%

Parking Inventory

Total Supply – 830 spaces Total Demand – 541 spaces** 206 Surplus* Parking spaces

* Surplus to reserve capacity (90% of total supply)

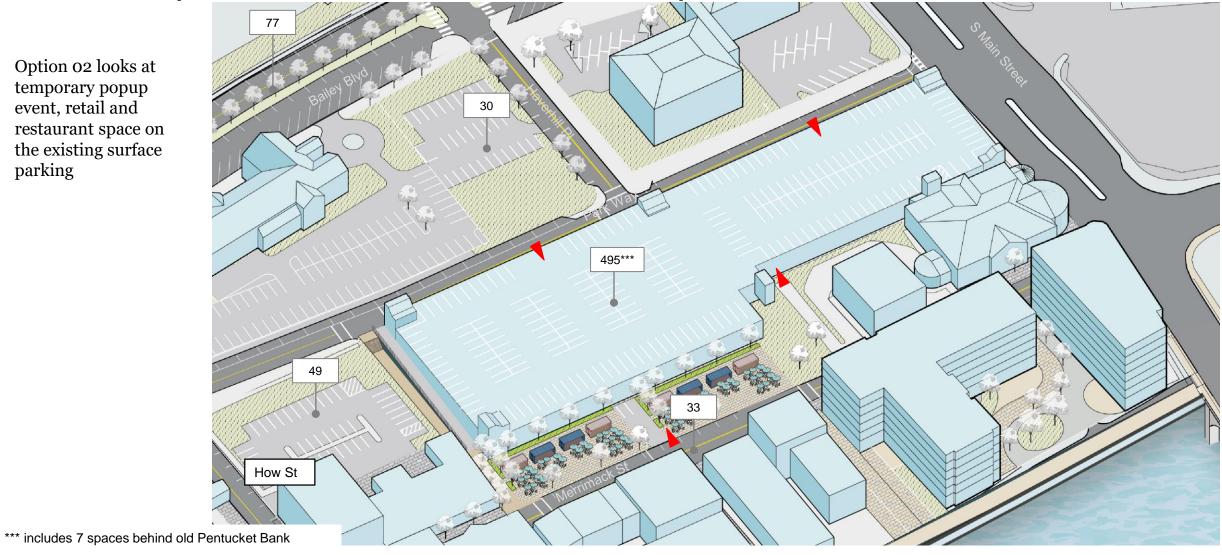
^{***} includes 7 spaces behind old Pentucket Bank



^{**} Includes 100 spaces for Harbor Place

Redevelopment Zone III: Phase 02, Option 01

Option 02 looks at temporary popup event, retail and restaurant space on the existing surface parking



Redevelopment Zone III: Phase 02, Option 02

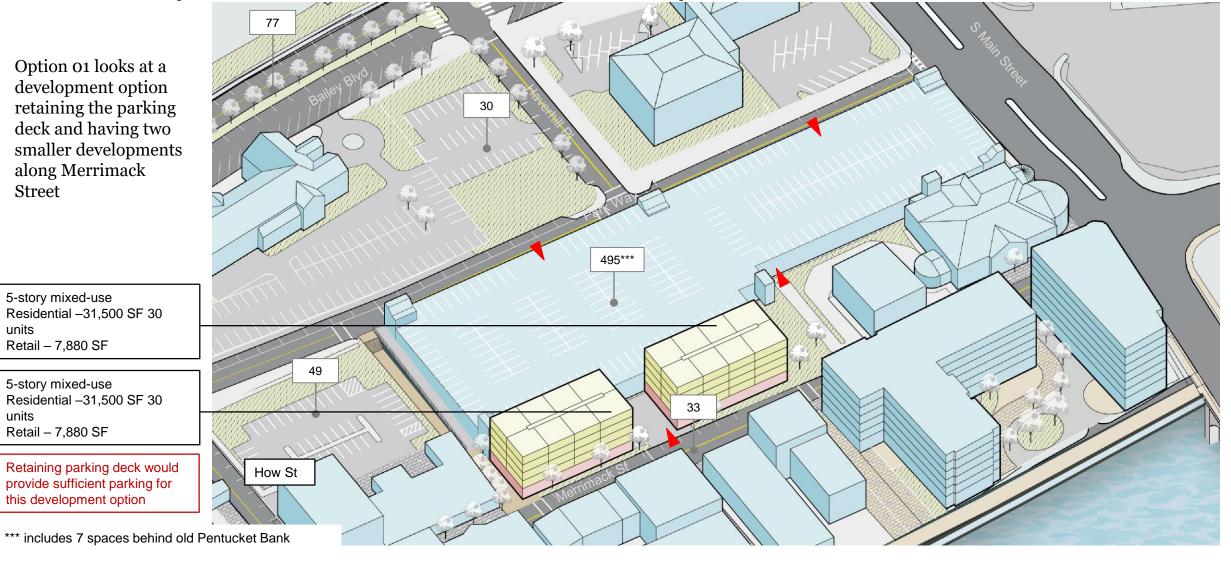
Option 01 looks at a development option retaining the parking deck and having two smaller developments along Merrimack Street

5-story mixed-use Residential -31,500 SF 30 units Retail - 7,880 SF

5-story mixed-use Residential -31,500 SF 30 units

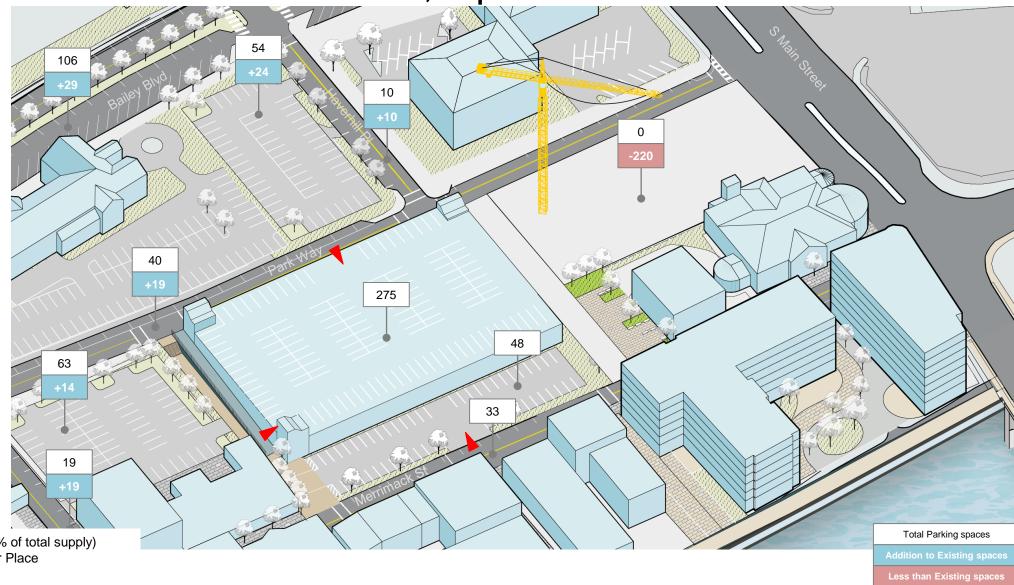
Retail - 7,880 SF

Retaining parking deck would provide sufficient parking for this development option



Redevelopment Zone III: Phase 2a, Option 03

Phase 02a looks at distribution of parking during the partial demolition of Goecke deck when the parking garage is under construction.



Parking Inventory

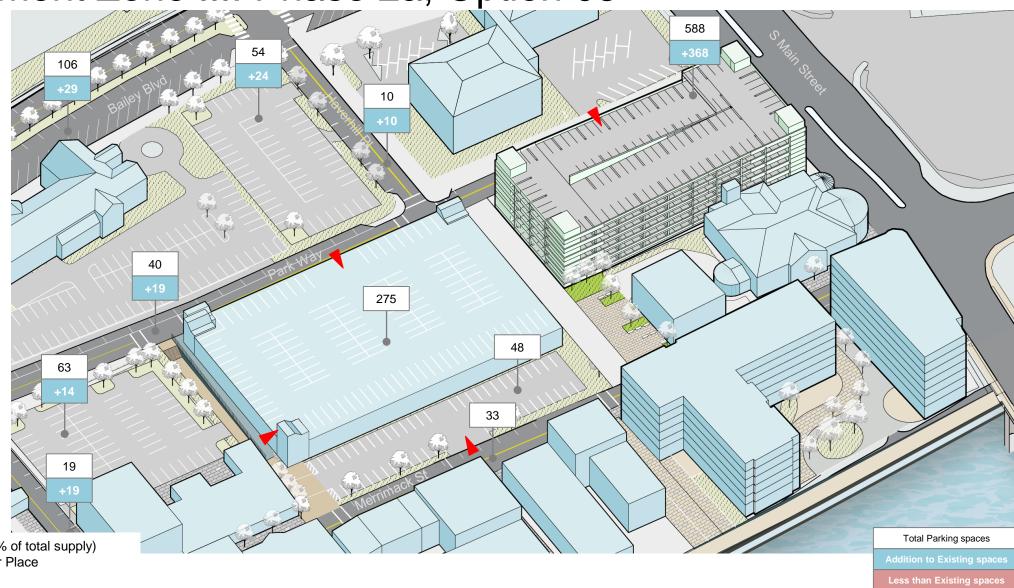
Total Supply – 648 spaces
Total Demand – 541 spaces**
42 Surplus* Parking spaces

^{*} Surplus to reserve capacity (90% of total supply)

^{**} Includes 100 spaces for Harbor Place

Redevelopment Zone III: Phase 2a, Option 03

Phase 02a looks at development of the new parking garage



Parking Inventory

Total Supply – 1,236 spaces Total Demand – 541 spaces** 571 Surplus* Parking spaces

^{*} Surplus to reserve capacity (90% of total supply)

^{**} Includes 100 spaces for Harbor Place

Redevelopment Zone III: Phase 2b Residential, Option 03

Complete demolition of Goecke Deck, new development along Merrimack Street. Development of Harbor Place phase 2. Haverhill Place extended down to Merrimack Street

1-A

6-story mixed-use Residential -150,000 SF167 units

Retail - 15,850 SF

Parking Inventory

Total Supply – 1,111 spaces Total Demand - 670 spaces** 330 Surplus* Parking spaces

Residential Parking ratio – 0.75, Commercial Parking ratio – 3 spaces/1,000 SF



^{**} Includes 100 spaces for Harbor Place

Redevelopment Zone III: Phase 2b Commercial, Option 03

Complete demolition of Goecke Deck, new development along Merrimack Street. Haverhill Place extended down to Merrimack Street.

1-A

6-story mixed-use Residential -94,700 SF, 105 units Retail - 15,850 SF

Commercial – 55,282 SF

Parking Inventory

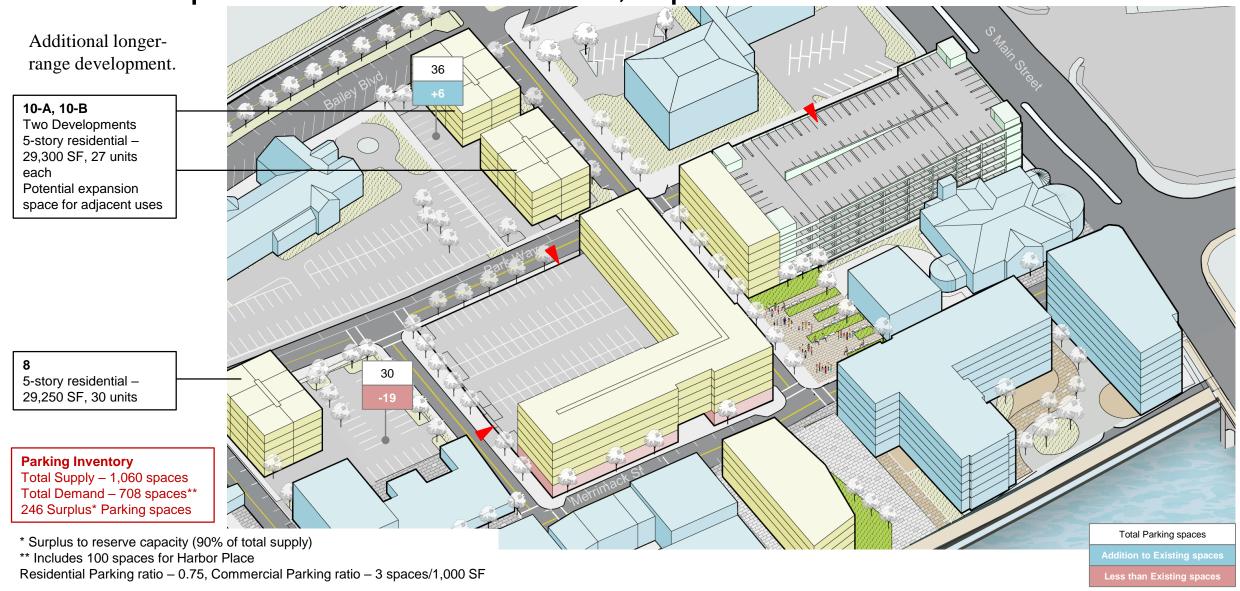
Total Supply – 1,111 spaces Total Demand - 676 spaces** 324 Surplus* Parking spaces

Residential - 25,920 SF, 28 units Total Parking spaces Less than Existing spaces

^{*} Surplus to reserve capacity (90% of total supply)

^{**} Includes 100 spaces for Harbor Place Residential Parking ratio – 0.75, Commercial Parking ratio – 3 spaces/1,000 SF

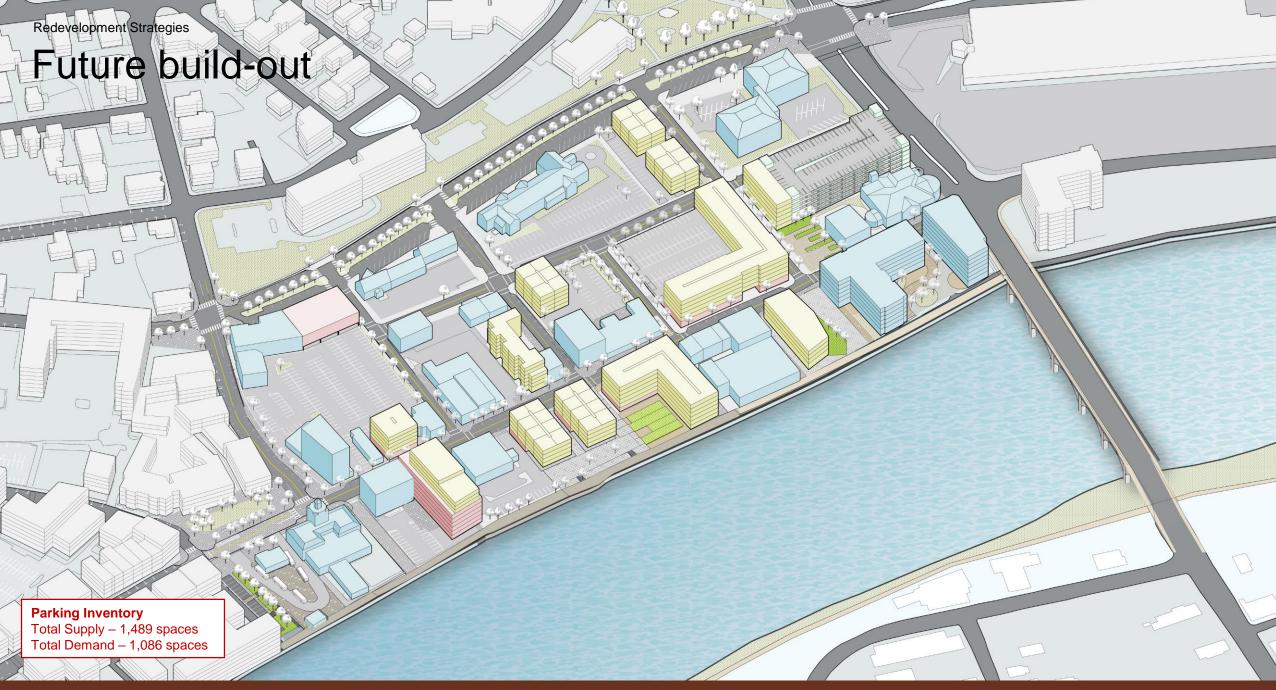
Redevelopment Zone III: Phase 3, Option 03











Next Steps

- Determining the cost of the recommended infrastructure and public realm improvements
- Developing strategy for financing of infrastructure improvements, including state sources
- Determining if the study area should be a DIF District
- Creating surplus additional public land, as recommended by the plan, to meet evolving market demand
- Issuing developer RFPs for public sites
- Working with property owners and potential developers on privately-owned sites

- 1. Public Realm Project Construction Estimate
- 2. Police Station Parking layout option and Construction Estimate
- 3. Parking Deck Project Construction Estimate
- 4. Project Concept Schedule
- 5. Feasibility Study and Pro formas

Public Realm Project **Concept Construction Estimate**



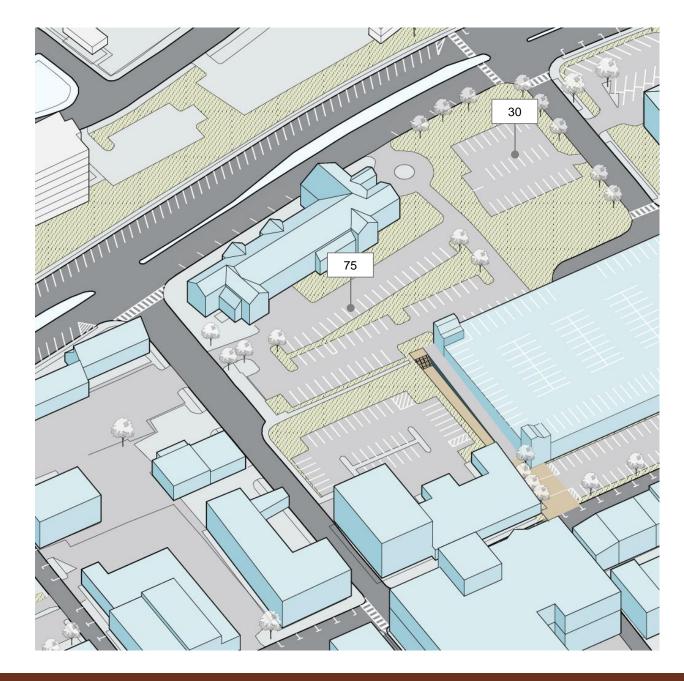
Project:	HAVERHILL TDI CONCEPT CONST ESTIMATE	Computed:	DAS	Date:	12/29/16
Project ID:		Checked:	TNU	Date:	1/13/17
HDR Job #	± 10046626				

OPINION OF PROBABLE CONSTRUCTION COST

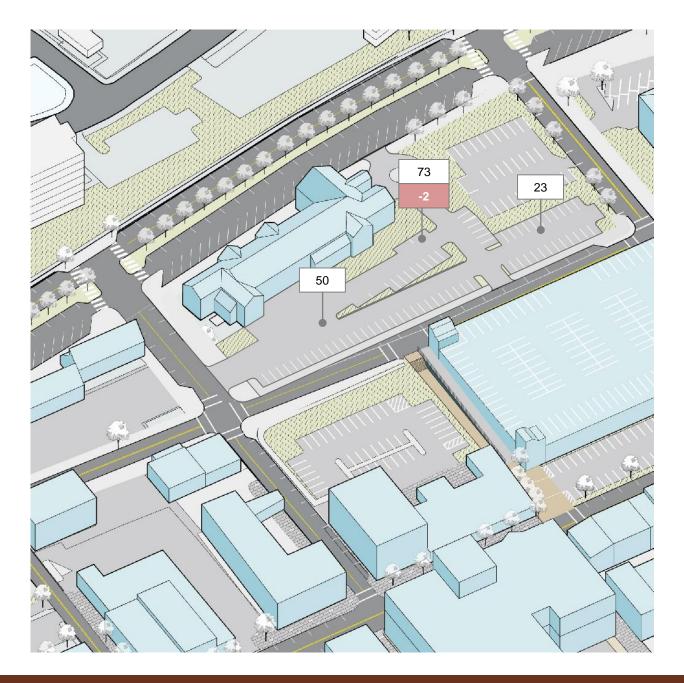
120.1 UNCLASSIFIED EXCAVATION	Item No.	Item Description	Unit	Quantity	Unit Price	Total Cost
Test Pit For Exploration	102.51	INDIVIDUAL TREE PROTECTION	EA	69	\$375.00	\$25,875.00
151.01 GRAVEL BORROW - TYPE C	120.1	UNCLASSIFIED EXCAVATION	CY	8,775	\$50.00	\$438,750.00
156.12 CRUSHED STONE FOR CURB FOUNDATION TON 740 \$42.00 \$31,080.00 170.	141.1	TEST PIT FOR EXPLORATION	CY	15	\$100.00	\$1,500.00
FINE GRADING AND COMPACTING	151.01	GRAVEL BORROW - TYPE C	CY	5,400	\$35.50	\$191,700.00
HEALTH AND SAFETY PLAN	156.12	CRUSHED STONE FOR CURB FOUNDATION	TON	740	\$42.00	\$31,080.00
MPLEMENTATION OF HEALTH AND SAFETY PLAN	170.	FINE GRADING AND COMPACTING	SY	21,210	\$5.00	\$106,050.00
220. DRAINAGE STRUCTURE ADJUSTED EA 81 \$350.00 \$28,350.00 220.7 SANITARY STRUCTURE ADJUSTED EA 11 \$339.00 \$3,729.00 388. GATE BOX ADJUSTED EA 20 \$225.00 \$4,500.00 415. PAVEMENT MICROMILLING SY 36,120 \$12.00 \$43,440.00 451. HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE SY 2,680 \$75.00 \$201,000.00 451. HIMA FOR PATCHING TON 605 \$200.00 \$121,000.00 452. ASPHALT EMULSION FOR TACK COAT GAL 3,120 \$12.00 \$37,440.00 452. ASPHALT EMULSION FOR TACK COAT GAL 3,120 \$117.00 \$867,000.00 452. ASPHALT EMULSION FOR TACK COAT GAL 3,120 \$120.00 \$37,440.00 452. ASPHALT EMULSION FOR TACK COAT GAL 3,120 \$120.00 \$367,000.00 452. ASPHALT EMULSION FOR TACK COAT GAL 3,120 \$120.00 \$367,000.00 452.	180.1	HEALTH AND SAFETY PLAN	LS	1	\$4,000.00	\$4,000.00
220.7 SANITARY STRUCTURE ADJUSTED EA 11 \$339.00 \$3,729.00 358. GATE BOX ADJUSTED EA 20 \$225.00 \$4,500.00 415. PAVEMENT MICROMILLING SY 36,120 \$12.00 \$433,440.00 431. HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE SY 2,680 \$75.00 \$201,000.00 451. HIMA FOR PATCHING TON 605 \$200.00 \$121,000.00 451. HIMA FOR PATCHING TON 605 \$200.00 \$121,000.00 452. ASPHALT EMULSION FOR TACK COAT GAL 3,120 \$12.00 \$37,440.00 452. ASPHALT EMULSION FOR TACK COAT GAL 3,120 \$117.000 \$867,000.00 455.23 SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5) TON 5,100 \$177.000 \$867,000.00 456. WARM-MIX ASPHALT PAVEMENT TON 9,406 \$6.25 \$58,781.25 472. HOT MIX ASPHALT FOR MISCELLANEOUS WORK TON 945 \$250.00 \$236,250.00 504. GRANITE CURB TYPE VA4 - STRAIGHT FT 1,485 \$65.00 \$225,600.00 504.1 GRANITE CURB TYPE VA4 - CURVED FT 1,485 \$65.00 \$96,525.00 508. CURB REMOVED AND RESET FT 4,990 \$30.00 \$149,700.00 509.1 CURB INLET REMOVED AND RESET FT 1,250 \$5.00 \$250,000 509.1 CURB REMOVED AND RESET FT 1,250 \$5.00 \$250,000 509.1 CURB REMOVED AND RESET FT 1,250 \$5.00 \$225,000.00 509.1 CURB REMOVED AND RESET FT 1,250 \$5.00 \$225,000.00 509.1 CEMENT CONCRETE SIDEWALK SY 10,105 \$100.00 \$10,101,500.00 509.1 CEMENT CONCRETE SIDEWALK SY 10,105 \$100.00 \$10,101,500.00 509.1 CEMENT CONCRETE SIDEWALK SY 10,105 \$100.00 \$10,010,500.00 509.1 CEMENT CONCRETE SIDEWALK AT DRIVEWAYS SY 210 \$125.00 \$26,250.00 509.1 HIGH WAY LIGHTING LUMINAIRE 175 WATT FA 60 \$15,000.00 \$457,200.00 509.1 HIGH WAY LIGHTING LUMINAIRE 175 WATT FA 60 \$15,000.00 \$10,000.00 500.10 \$10,000.00 500	180.2	IMPLEMENTATION OF HEALTH AND SAFETY PLAN	HR	20	\$95.00	\$1,900.00
358. GATE BOX ADJUSTED EA 20 \$225.00 \$4,500.00 415. PAVEMENT MICROMILLING SY 36,120 \$12.00 \$43,440.00 431. HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE SY 2,680 \$75.00 \$201,000.00 451. HIMA FOR PATCHING TON 605 \$200.00 \$121,000.00 452. ASPHALT EMUSION FOR TACK COAT GAL 3,120 \$112.00 \$37,440.00 455.23 SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5) TON 5,100 \$170.00 \$867,000.00 456. WARM-MIX ASPHALT PAVEMENT TON 3,250 \$170.00 \$867,000.00 456. WARM-MIX ASPHALT FOR MISCELLANEOUS WORK TON 945 \$250.00 \$236,250.00 504. GRANITE CURB TYPE VA4 - STRAIGHT FT 3,760 \$60.00 \$225,600.00 504.1 GRANITE CURB TYPE VA4 - CURVED FT 1,485 \$65.00 \$96,525.00 504. CURB REMOVED AND RESET FT 1,499 \$30.00 \$149,700.00	220.	DRAINAGE STRUCTURE ADJUSTED	EA	81	\$350.00	\$28,350.00
415. PAVEMENT MICROMILLING 431. HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE 431. HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE 451. HMA FOR PATCHING 452. ASPHALT EMULSION FOR TACK COAT 452. ASPHALT EMULSION FOR TACK COAT 453.23 SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5) 456.32 SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0) 457.00 \$170.00 \$867,000.00 4585.32 SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0) 456. WARM-MIX ASPHALT PAVEMENT 456. WARM-MIX ASPHALT PAVEMENT 557. HOT MIX ASPHALT FOR MISCELLANEOUS WORK 558. GRANITE CURB TYPE VA4 - STRAIGHT 558. CURB REMOVED AND RESET 558. CURB REMOVED AND RESET 569. CURB REMOVED AND RESET 571. 1,485 586.00 \$86,255.00 581. CURB INLET REMOVED AND RESET 581. CURB INLET REMOVED AND RESET 582. CURB REMOVED AND DISCARDED 583. CURB REMOVED AND DISCARDED 584. CURB REMOVED AND DISCARDED 585. CURB REMOVED AND DISCARDED 586. CURB REMOVED AND DISCARDED 587. CURB REMOVED AND DISCARDED 588. CURB REMOVED AND DISCARDED 589. CURB REMOVED AND DISCARDED 590. CURB REMOVED AND DISCARDED 591. CEMENT CONCRETE SIDEWALK 587. 10,105 589. S10.00 582.650.00 5	220.7	SANITARY STRUCTURE ADJUSTED	EA	11	\$339.00	\$3,729.00
431. HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE SY 2,680 \$75.00 \$201,000.00 451. HMA FOR PATCHING TON 605 \$200.00 \$121,000.00 452. ASPHALT EMULSION FOR TACK COAT GAL 3,120 \$12.00 \$37,440.00 455.23 SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5) TON 5,100 \$170.00 \$867,000.00 456.32 SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0) TON 3,250 \$170.00 \$652,500.00 456. WARM-MIX ASPHALT PAVEMENT TON 9,405 \$62.5 \$58,781.25 472. HOT MIX ASPHALT FOR MISCELLANEOUS WORK TON 945 \$250.00 \$236,250.00 504. GRANITE CURB TYPE VA4 - STRAIGHT FT 3,760 \$60.00 \$225,600.00 504.1 GRANITE CURB TYPE VA4 - CURVED FT 1,486 \$66.00 \$225,600.00 580. CURB REMOVED AND RESET FT 1,250 \$30.00 \$149,700.00 581. CURB REMOVED AND DISCARDED FT 1,250 \$5.00	358.	GATE BOX ADJUSTED	EA	20	\$225.00	\$4,500.00
451. HMA FOR PATCHING TON 605 \$200.00 \$121,000.00 452. ASPHALT EMULSION FOR TACK COAT GAL 3,120 \$12.00 \$37,440.00 455.23 SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5) TON 5,100 \$170.00 \$867,000.00 455.32 SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0) TON 3,250 \$170.00 \$552,500.00 456. WARM-MIX ASPHALT PAVEMENT TON 9,406 \$6.25 \$58,781.25 472. HOT MIX ASPHALT FOR MISCELLANEOUS WORK TON 945 \$250.00 \$236,250.00 504. GRANITE CURB TYPE VA4 - STRAIGHT FT 3,760 \$60.00 \$225,600.00 504.1 GRANITE CURB TYPE VA4 - CURVED FT 1,485 \$650.00 \$96,525.00 580. CURB REMOVED AND RESET FT 4,990 \$30.00 \$149,700.00 581. CURB INLET REMOVED AND RESET EA 2 \$1250.00 \$250.00 584. CURB REMOVED AND DISCARDED FT 1,250 \$5.00 \$6,250.00 701. CEMENT CONCRETE SIDEWALK SY 10,105 \$10	415.	PAVEMENT MICROMILLING	SY	36,120	\$12.00	\$433,440.00
452. ASPHALT EMULSION FOR TACK COAT GAL 3,120 \$12.00 \$37,440.00 455.23 SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5) TON 5,100 \$170.00 \$867,000.00 455.32 SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0) TON 3,250 \$170.00 \$552,500.00 456. WARM-MIX ASPHALT PAVEMENT TON 9,406 \$6.25 \$58,781.25 472. HOT MIX ASPHALT FOR MISCELLANEOUS WORK TON 945 \$250.00 \$236,250.00 504. GRANITE CURB TYPE VA4 - STRAIGHT FT 3,760 \$60.00 \$225,600.00 504.1 GRANITE CURB TYPE VA4 - CURVED FT 1,485 \$66.00 \$96,525.00 580. CURB REMOVED AND RESET FT 4,990 \$30.00 \$149,700.00 581. CURB INLET REMOVED AND RESET EA 2 \$1250.00 \$6,250.00 584. CURB REMOVED AND DISCARDED FT 1,250 \$5.00 \$6,250.00 701. CEMENT CONCRETE SIDEWALK SY 10,105 \$10.00 \$1,010,500.00 701.1 CEMENT CONCRETE SIDEWALK AT DRIVEWAYS SY <td< td=""><td>431.</td><td>HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE</td><td>SY</td><td>2,680</td><td>\$75.00</td><td>\$201,000.00</td></td<>	431.	HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE	SY	2,6 8 0	\$75.00	\$201,000.00
455.23 SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5) TON 5,100 \$170.00 \$867,000.00 455.32 SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0) TON 3,250 \$170.00 \$552,500.00 456. WARM-MIX ASPHALT PAVEMENT TON 9,405 \$6.25 \$58,781.25 472. HOT MIX ASPHALT FOR MISCELLA NEOUS WORK TON 945 \$250.00 \$236,250.00 504. GRANITE CURB TYPE VA4 - STRAIGHT FT 3,760 \$60.00 \$225,600.00 504.1 GRANITE CURB TYPE VA4 - CURVED FT 1,485 \$65.00 \$96,525.00 580. CURB REMOVED AND RESET FT 4,990 \$30.00 \$149,700.00 581. CURB INLET REMOVED AND DISCARDED FT 1,250 \$5.00 \$6,250.00 594. CURB REMOVED AND DISCARDED FT 1,250 \$5.00 \$6,250.00 701. CEMENT CONCRETE SIDEWALK SY 10,105 \$100.00 \$1,010,500.00 701.1 CEMENT CONCRETE WHEELCHAIR RAMP SY 440 \$120.00 \$26,250.00 706. BRICK WALK SY 3,810 \$120.00 \$25,800.00 748. MOBILIZATION LS 1 \$146,000.00 \$2,860.00	451.	HMA FOR PATCHING	TON	605	\$200.00	\$121,000.00
455.32 SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0) TON 3,250 \$170.00 \$552,500.00 456. WARM-MIX ASPHALT PAVEMENT TON 9,406 \$6.25 \$58,781.25 472. HOT MIX ASPHALT FOR MISCELLANEOUS WORK TON 945 \$250.00 \$236,250.00 504. GRANITE CURB TYPE VA4 - STRAIGHT FT 3,760 \$60.00 \$225,600.00 504.1 GRANITE CURB TYPE VA4 - CURVED FT 1,485 \$65.00 \$96,525.00 580. CURB REMOVED AND RESET FT 4,990 \$30.00 \$149,700.00 581. CURB INLET REMOVED AND RESET EA 2 \$125.00 \$250.00 594. CURB REMOVED AND DISCARDED FT 1,250 \$5.00 \$6,250.00 701. CEMENT CONCRETE SIDEWALK SY 10,105 \$100.00 \$1,010,500.00 701.1 CEMENT CONCRETE WHEELCHAIR RAMP SY 440 \$120.00 \$26,250.00 706. BRICK WALK SY 3,810 \$120.00 \$457,200.00 748. MOBILIZATION LS 1 \$146,000.00 \$1,46,000.00 823.1 HIGHWAY LIGHTING LUMINAIRE 175 WATT EA 60 \$15,000.00 \$2,860.00	452.	ASPHALT EMULSION FOR TACK COAT	GAL	3,120	\$12.00	\$37,440.00
456. WARM-MIX ASPHALT PAVEMENT TON 9,405 \$6.25 \$58,781.25 472. HOT MIX ASPHALT FOR MISCELLANEOUS WORK TON 945 \$250.00 \$236,250.00 504. GRANITE CURB TYPE VA4 - STRAIGHT FT 3,760 \$60.00 \$225,600.00 504.1 GRANITE CURB TYPE VA4 - CURVED FT 1,485 \$65.00 \$96,525.00 580. CURB REMOVED AND RESET FT 4,990 \$30.00 \$149,700.00 581. CURB INLET REMOVED AND RESET EA 2 \$125.00 \$250.00 594. CURB REMOVED AND DISCARDED FT 1,250 \$5.00 \$6,250.00 701. CEMENT CONCRETE SIDEWALK SY 10,105 \$100.00 \$1,010,500.00 701.2 CEMENT CONCRETE WHEELCHAIR RAMP SY 440 \$120.00 \$62,800.00 706. BRICK WALK SY 3,810 \$120.00 \$457,200.00 748. MOBILIZATION LS 1 \$146,000.00 \$146,000.00 823.1 HIGHWAY LIGHTING LUMINA	455.23	SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5)	TON	5,100	\$170.00	\$867,000.00
472. HOT MIX ASPHALT FOR MISCELLANEOUS WORK TON 945 \$250.00 \$236,250.00 504. GRANITE CURB TYPE VA4 - STRAIGHT FT 3,760 \$60.00 \$225,600.00 504.1 GRANITE CURB TYPE VA4 - CURVED FT 1,485 \$65.00 \$96,525.00 580. CURB REMOVED AND RESET FT 4,990 \$30.00 \$149,700.00 581. CURB INLET REMOVED AND DISCARDED FT 1,250 \$5.00 \$250.00 594. CURB REMOVED AND DISCARDED FT 1,250 \$5.00 \$6,250.00 701. CEMENT CONCRETE SIDEWALK SY 10,105 \$100.00 \$1,010,500.00 701.1 CEMENT CONCRETE WHEELCHAIR RAMP SY 440 \$120.00 \$26,250.00 706. BRICK WALK SY 3,810 \$120.00 \$457,200.00 748. MOBILIZATION LS 1 \$146,000.00 \$900,000.00 823.1 HIGHWAY LIGHTING LUMINAIRE 175 WATT EA 60 \$15,000.00 \$2,860.00 866.102 1 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 0 \$2.25 \$0.00	455.32	SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0)	TON	3,250	\$170.00	\$552,500.00
504. GRANITE CURB TYPE VA4 - STRAIGHT FT 3,760 \$60.00 \$225,600.00 504.1 GRANITE CURB TYPE VA4 - CURVED FT 1,485 \$65.00 \$96,525.00 580. CURB REMOVED AND RESET FT 4,990 \$30.00 \$149,700.00 581. CURB INLET REMOVED AND RESET EA 2 \$125.00 \$250.00 594. CURB REMOVED AND DISCARDED FT 1,250 \$5.00 \$6,250.00 701. CEMENT CONCRETE SIDEWALK SY 10,105 \$100.00 \$1,010,500.00 701.1 CEMENT CONCRETE WHEELCHAIR RAMP SY 440 \$120.00 \$26,250.00 706. BRICK WALK SY 3,810 \$120.00 \$457,200.00 748. MOBILIZATION LS 1 \$146,000.00 \$146,000.00 823.1 HIGHWAY LIGHTING LUMINAIRE 175 WATT EA 60 \$15,000.00 \$2,860.00 866.102 12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 0 \$2.25 \$0.00 867.104 4 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC) FT 7,245 \$1.00 \$7,245.00<	456.	WARM-MIX ASPHALT PAVEMENT	TON	9,405	\$6.25	\$58,781.25
504.1 GRANITE CURB TYPE VA4 - CURVED FT 1,485 \$65.00 \$96,525.00 580. CURB REMOVED AND RESET FT 4,990 \$30.00 \$149,700.00 581. CURB INLET REMOVED AND RESET EA 2 \$125.00 \$250.00 594. CURB REMOVED AND DISCARDED FT 1,250 \$5.00 \$6,250.00 701. CEMENT CONCRETE SIDEWALK SY 10,105 \$100.00 \$1,010,500.00 701.1 CEMENT CONCRETE SIDEWALK AT DRIVEWAYS SY 210 \$125.00 \$26,250.00 701.2 CEMENT CONCRETE WHEELCHAIR RAMP SY 440 \$120.00 \$52,800.00 706. BRICK WALK SY 3,810 \$120.00 \$457,200.00 748. MOBILIZATION LS 1 \$146,000.00 \$146,000.00 823.1 HIGHWAY LIGHTING LUMINAIRE 175 WATT EA 60 \$15,000.00 \$2,860.00 866.102 12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 0 \$2.25 \$0.00 867.104 4 IN	472.	HOT MIX ASPHALT FOR MISCELLANEOUS WORK	TON	945	\$250.00	\$236,250.00
580. CURB REMOVED AND RESET FT 4,990 \$30.00 \$149,700.00 581. CURB INLET REMOVED AND RESET EA 2 \$125.00 \$250.00 594. CURB REMOVED AND DISCARDED FT 1,250 \$5.00 \$6,250.00 701. CEMENT CONCRETE SIDEWALK SY 10,105 \$100.00 \$1,010,500.00 701.1 CEMENT CONCRETE SIDEWALK AT DRIVEWAYS SY 210 \$125.00 \$26,250.00 701.2 CEMENT CONCRETE WHEELCHAIR RAMP SY 440 \$120.00 \$52,800.00 706. BRICK WALK SY 3,810 \$120.00 \$457,200.00 748. MOBILIZATION LS 1 \$146,000.00 \$146,000.00 823.1 HIGHWAY LIGHTING LUMINAIRE 175 WATT EA 60 \$15,000.00 \$2,860.00 866,104 4 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 2,860 \$1.00 \$2,25 \$0.00 867,104 4 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC) FT 7,245 \$1.00 \$7,245.00 \$99.	504.	GRANITE CURB TYPE VA4 - STRAIGHT	FT	3,760	\$60.00	\$225,600.00
581. CURB INLET REMOVED AND RESET EA 2 \$125.00 \$250.00 594. CURB REMOVED AND DISCARDED FT 1,250 \$5.00 \$6,250.00 701. CEMENT CONCRETE SIDEWALK SY 10,105 \$100.00 \$1,010,500.00 701.1 CEMENT CONCRETE SIDEWALK AT DRIVEWAYS SY 210 \$125.00 \$26,250.00 701.2 CEMENT CONCRETE WHEELCHAIR RAMP SY 440 \$120.00 \$52,800.00 706. BRICK WALK SY 3,810 \$120.00 \$457,200.00 748. MOBILIZATION LS 1 \$146,000.00 \$146,000.00 823.1 HIGHWAY LIGHTING LUMINAIRE 175 WATT EA 60 \$15,000.00 \$900,000.00 866.104 4 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 2,860 \$1.00 \$2,250 \$0.00 867.104 4 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC) FT 7,245 \$1.00 \$7,245.00 999.5 TIMBER BOARDWALK LF 485 \$100.00 \$48,500.00	504.1	GRANITE CURB TYPE VA4 - CURVED	FT	1,485	\$65.00	\$96,525.00
594. CURB REMOVED AND DISCARDED FT 1,250 \$5.00 \$6,250.00 701. CEMENT CONCRETE SIDEWALK SY 10,105 \$100.00 \$1,010,500.00 701.1 CEMENT CONCRETE SIDEWALK AT DRIVEWAYS SY 210 \$125.00 \$26,250.00 701.2 CEMENT CONCRETE WHEELCHAIR RAMP SY 440 \$120.00 \$52,800.00 706. BRICK WALK SY 3,810 \$120.00 \$457,200.00 748. MOBILIZATION LS 1 \$146,000.00 \$146,000.00 823.1 HIGHWAY LIGHTING LUMINAIRE 175 WATT EA 60 \$15,000.00 \$900,000.00 866.104 4 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 2,860 \$1.00 \$2,860.00 867.104 4 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 0 \$2.25 \$0.00 867.104 4 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC) FT 7,245 \$1.00 \$7,245.00 999.5 TIMBER BOARDWALK LF 485 \$100.00 \$48,500.00	580.	CURB REMOVED AND RESET	FT	4,990	\$30.00	\$149,700.00
701. CEMENT CONCRETE SIDEWALK SY 10,105 \$100.00 \$1,010,500.00 701.1 CEMENT CONCRETE SIDEWALK AT DRIVEWAYS SY 210 \$125.00 \$26,250.00 701.2 CEMENT CONCRETE WHEELCHAIR RAMP SY 440 \$120.00 \$52,800.00 706. BRICK WALK SY 3,810 \$120.00 \$457,200.00 748. MOBILIZATION LS 1 \$146,000.00 \$146,000.00 823.1 HIGHWAY LIGHTING LUMINAIRE 175 WATT EA 60 \$15,000.00 \$900,000.00 866.104 4 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 2,860 \$1.00 \$2,860.00 867.104 4 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 7,245 \$1.00 \$7,245.00 999.5 TIMBER BOARDWALK LF 485 \$100.00 \$48,500.00	581.	CURB INLET REMOVED AND RESET	EA	2	\$125.00	\$250.00
701.1 CEMENT CONCRETE SIDEWALK AT DRIVEWAYS SY 210 \$125.00 \$26,250.00 701.2 CEMENT CONCRETE WHEELCHAIR RAMP SY 440 \$120.00 \$52,800.00 706. BRICK WALK SY 3,810 \$120.00 \$457,200.00 748. MOBILIZATION LS 1 \$146,000.00 \$146,000.00 823.1 HIGHWAY LIGHTING LUMINAIRE 175 WATT EA 60 \$15,000.00 \$900,000.00 866.104 4 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 2,860 \$1.00 \$2,860.00 867.104 4 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 0 \$2.25 \$0.00 867.104 4 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC) FT 7,245 \$1.00 \$7,245.00 999.5 TIMBER BOARDWALK LF 485 \$100.00 \$48,500.00	594.	CURB REMOVED AND DISCARDED	FT	1,250	\$5.00	\$6,250.00
701.2 CEMENT CONCRETE WHEELCHAIR RAMP SY 440 \$120.00 \$52,800.00 706. BRICK WALK SY 3,810 \$120.00 \$457,200.00 748. MOBILIZATION LS 1 \$146,000.00 \$146,000.00 823.1 HIGHWAY LIGHTING LUMINAIRE 175 WATT EA 60 \$15,000.00 \$900,000.00 866.104 4 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 2,860 \$1.00 \$2,860.00 867.104 4 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 0 \$2.25 \$0.00 867.104 4 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC) FT 7,245 \$1.00 \$7,245.00 999.5 TIMBER BOARDWALK LF 485 \$100.00 \$48,500.00	701.	CEMENT CONCRETE SIDEWALK	SY	10,105	\$100.00	\$1,010,500.00
706. BRICK WALK SY 3,810 \$120.00 \$457,200.00 748. MOBILIZATION LS 1 \$146,000.00 \$146,000.00 823.1 HIGHWAY LIGHTING LUMINAIRE 175 WATT EA 60 \$15,000.00 \$900,000.00 866.104 4 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 2,860 \$1.00 \$2,860.00 866.112 12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 0 \$2.25 \$0.00 867.104 4 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC) FT 7,245 \$1.00 \$7,245.00 999.5 TIMBER BOARDWALK LF 485 \$100.00 \$48,500.00	701.1	CEMENT CONCRETE SIDEWALK AT DRIVEWAYS	SY	210	\$125.00	\$26,250.00
748. MOBILIZATION LS 1 \$146,000.00 \$146,000.00 823.1 HIGHWAY LIGHTING LUMINAIRE 175 WATT EA 60 \$15,000.00 \$900,000.00 866.104 4 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 2,860 \$1.00 \$2,860.00 866.112 12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 0 \$2.25 \$0.00 867.104 4 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC) FT 7,245 \$1.00 \$7,245.00 999.5 TIMBER BOARDWALK LF 485 \$100.00 \$48,500.00	701.2	CEMENT CONCRETE WHEELCHAIR RAMP	SY	440	\$120.00	\$52,800.00
823.1 HIGHWAY LIGHTING LUMINAIRE 175 WATT EA 60 \$15,000.00 \$900,000.00 866.104 4 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 2,860 \$1.00 \$2,860.00 866.112 12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 0 \$2.25 \$0.00 867.104 4 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC) FT 7,245 \$1.00 \$7,245.00 999.5 TIMBER BOARDWALK LF 485 \$100.00 \$48,500.00	706.	BRICK WALK	SY	3,810	\$120.00	\$457,200.00
866.104 4 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 2,860 \$1.00 \$2,860.00 866.112 12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 0 \$2.25 \$0.00 867.104 4 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC) FT 7,245 \$1.00 \$7,245.00 999.5 TIMBER BOARDWALK LF 485 \$100.00 \$48,500.00	748.	MOBILIZATION	LS	1	\$146,000.00	\$146,000.00
866.112 12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC) FT 0 \$2.25 \$0.00 867.104 4 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC) FT 7,245 \$1.00 \$7,245.00 999.5 TIMBER BOARDWALK LF 485 \$100.00 \$48,500.00	823.1	HIGHWAY LIGHTING LUMINAIRE 175 WATT	EA	60	\$15,000.00	\$900,000.00
867.104 4 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC) FT 7,245 \$1.00 \$7,245.00 999.5 TIMBER BOARDWALK LF 485 \$100.00 \$48,500.00	866.104	4 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	FT	2,860	\$1.00	\$2,860.00
999.5 TIMBER BOARDWALK LF 485 \$100.00 \$48,500.00	866.112	12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)	FT	0	\$2.25	\$0.00
	867.104	4 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)	FT	7,245	\$1.00	\$7,245.00
Project Subtotal \$6,426,025.25	999.5	TIMBER BOARDWALK	LF	485	\$100.00	\$48,500.00
					Project Subtotal	\$6,426,025.25

\$6,430,000

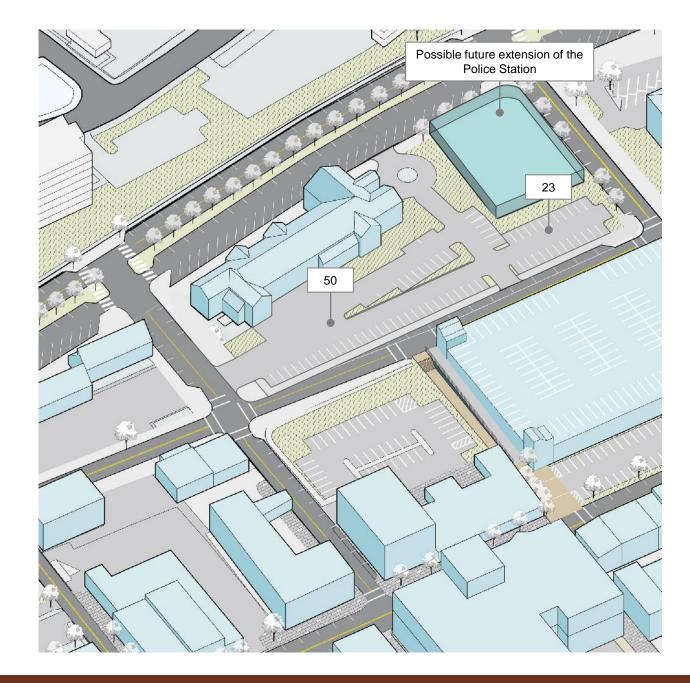
The existing police station parking lot includes 75 parking spaces.

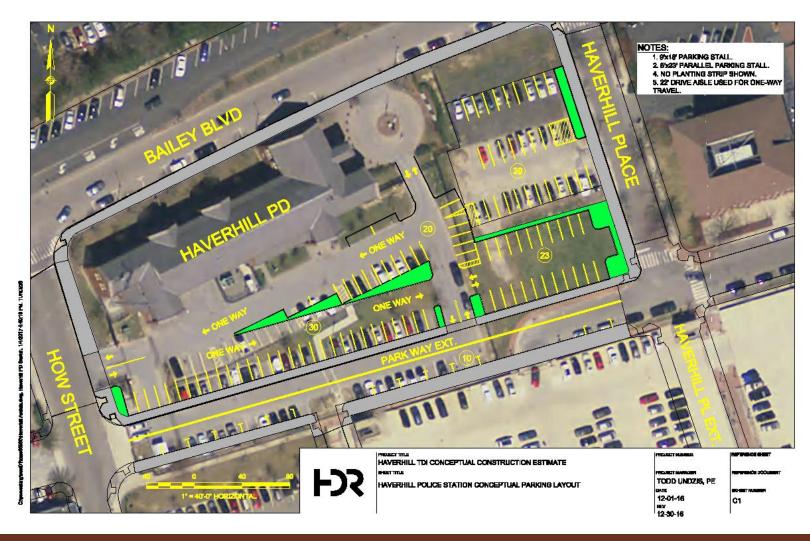


The proposed parking layout which allows for Parkway extension, includes 50 spaces on the police station site and 23 spaces on the adjacent city owned parcel.



The city lot on the corner of Bailey Blvd and Haverhill Pl is a possible location for future expansion of the Police Station





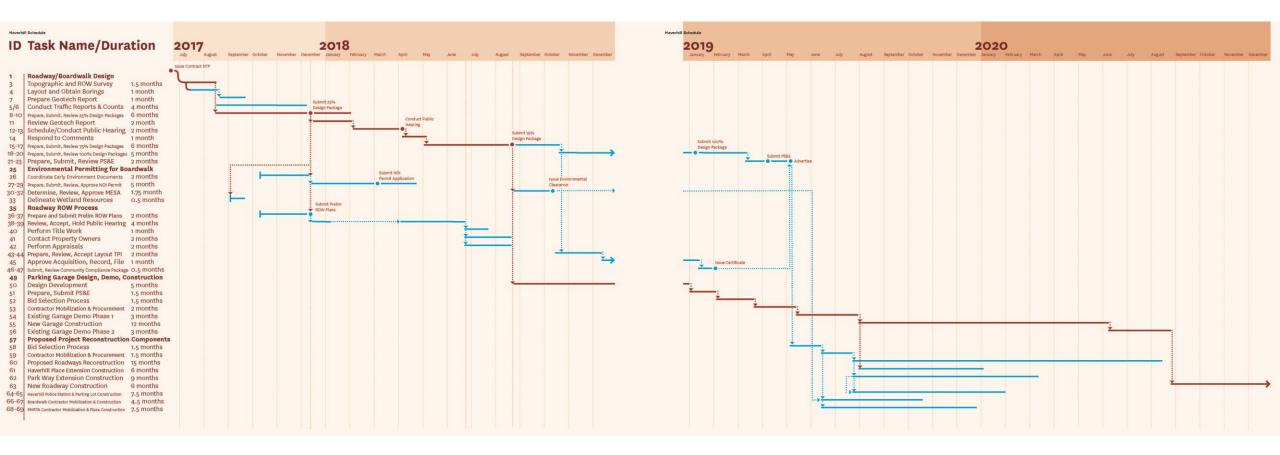
Police Station Construction Estimate

	Project:	HAVERHILL POLICE STA	ATION CONCEPT	Computed	DAS	Date: 12/29/16
	Project II			Checked:	TNU	Date: 1/13/17
	HDR Job			Circuit di	11.0	2410. 1713/17
	IIIII	10010020				
		OPINION OF PROBA	ABLE CONSTRUCTION (COST		
					** * 5	m 10
Item No.		Item Description		Quantity	Unit Price	Total Cost
	UNCLASSIFIED E		CY	570	\$50.00	,
141.1	TEST PIT FOR EX		CY	3	\$100.00	
	GRAVEL BORROV		CY	775	\$35.50	. ,
		FOR CURB FOUNDATION	TON	120	\$42.00	
170.	FINE GRADING A	ND COMPACTING	SY	1,910	\$5.00	\$9,550.00
415.	PAVEMENT MICE	ROMILLING	SY	3,625	\$12.00	\$43,500.00
431.	HIGH EARLY STR COURSE	ENGTH CEMENT CONCRE	ETE BASE SY	215	\$75.00	\$16,125.00
451.	HMA FOR PATCH		TON	50	\$200.00	\$10,000.00
452.	ASPHALT EMULS	ION FOR TACK COAT	GAL	460	\$10.00	\$4,600.00
455.23	SUPERPAVE SUR	FACE COURSE - 12.5 (SSC	- 12.5) TON	640	\$170.00	\$108,800.00
455.32	SUPERPAVE INTE	ERMEDIATE COURSE - 19.0	O (SIC - 19.0) TON	720	\$170.00	\$122,400.00
456.	WARM-MIX ASPH	IALT PAVEMENT	TON	1,485	\$6.25	\$9,281.25
472.	HOT MIX ASPHAI	LT FOR MISCELLANEOUS	WORK TON	150	\$250.00	\$37,500.00
504.	GRANITE CURB T	YPE VA4 - STRAIGHT	FT	1,790	\$60.00	\$107,400.00
504.1	GRANITE CURB T	YPE VA4 - CURVED	FT	1,485	\$65.00	\$96,525.00
580.	CURB REMOVED	AND RESET	FT	920	\$30.00	\$27,600.00
594.	CURB REMOVED	AND DISCARDED	FT	250	\$5.00	\$1,250.00
866.104	4 INCH REFLECTO	ORIZED WHITE LINE (THE	RMOPLASTIC) FT	1,925	\$1.00	\$1,925.00
867.104	4 INCH REFLECTO	ORIZED YELLOW LINE (TH	HERMOPLASTIC) FT	110	\$1.00	\$110.00
996.	CAST IN PLACE C	CONCRETE WALL	SF	350	\$75.00	\$26,250.00
					Project Subtotal	\$657,918.75
					SAY	\$660,000

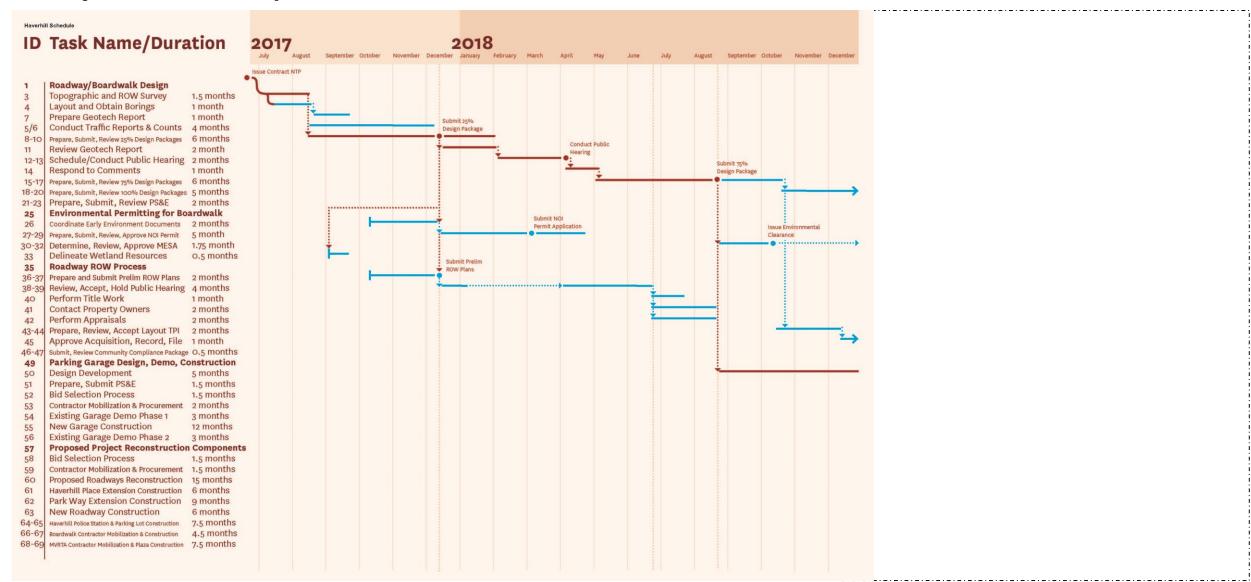
Parking Deck Project Construction Estimate

WEST RIDGE CONSTRUCTION SERVICES, LLC N Wagner		
Project: Harbor Place Phase 2, Parking Structure Location: Haverhill, MA		13-Dec-16
	Parking RampSF	186,000
Sitework Lower Level Second Level Third Level Fourth Level Fifth Level Roof Level	_	Total \$1,161,862 \$3,086,691 \$2,181,755 \$2,181,755 \$2,181,755 \$2,181,755 \$2,345,234
TOTAL PROJECT COST	82.37	\$15,320,808

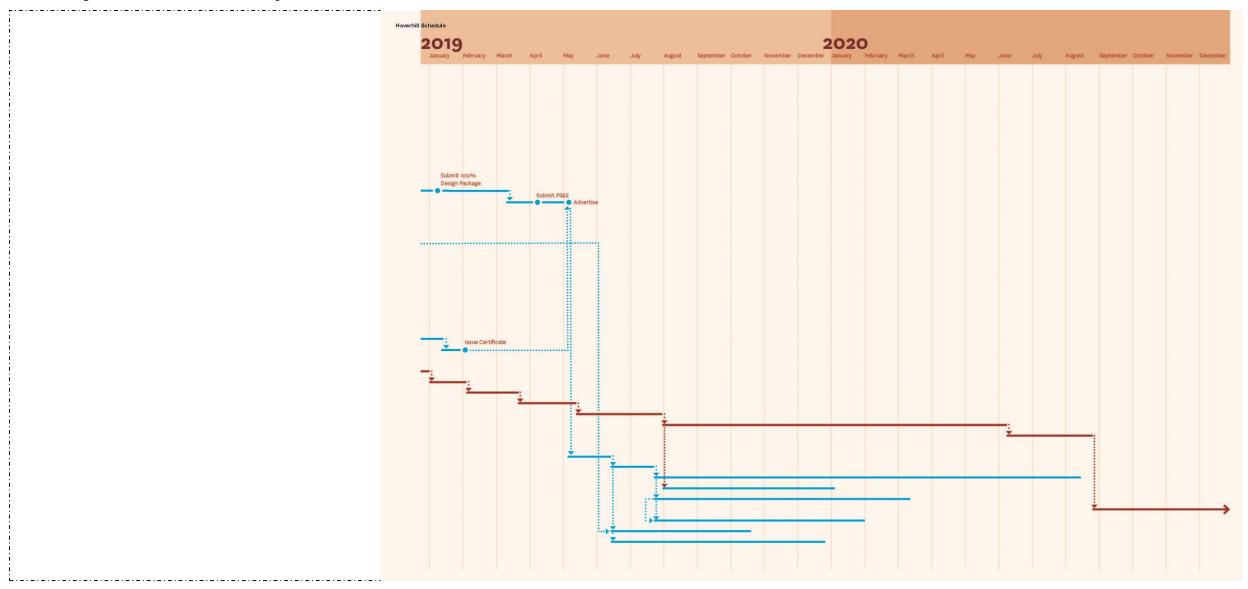
Project Concept Schedule

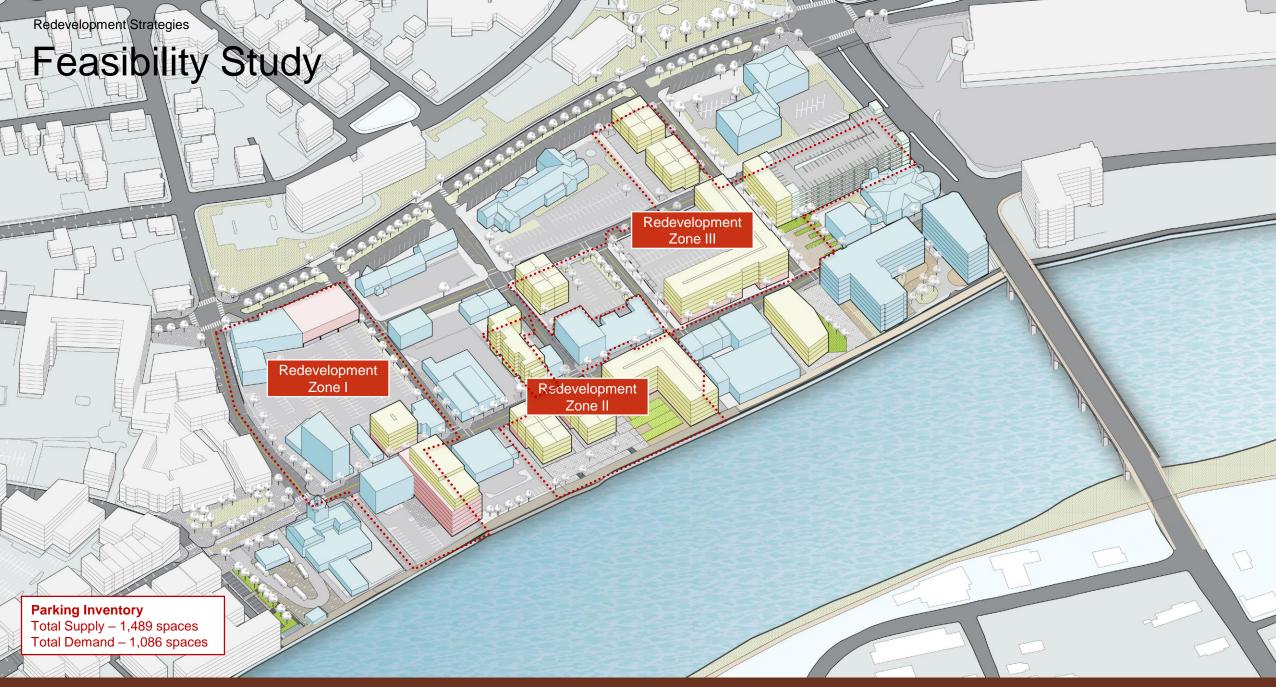


Project Concept Schedule – Part 01

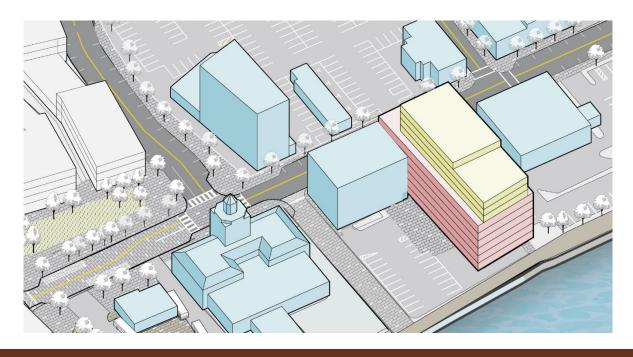


Project Concept Schedule – Part 02





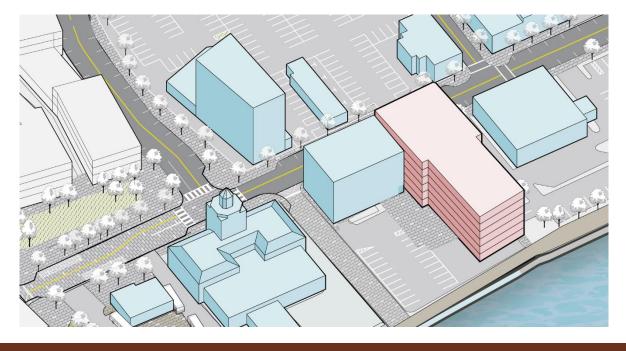
Redevelopment Zone I



194 Merrimack High Rise	Program	Use:	Residentia	al Above 6 stori	es of Commercial	4-stories
Feasibility Study		Units (SF per)			907	
Large Dev. Program		Type & GSF	10	Story High Rise	(Steel-Concrete)	37,168
	•	Parking Ratio		, ,	Per Unit	1.00
	Test Results	Return on Cost Thre	shold	5%-7%	Results	4.0%
		Yr. 1 Cash-On-Cash		3% to 5%	Results	3.0%
		Profit Margin		10%	Results	-32.9%
		Feasibility Gap		39.6%	of Cost or	\$6,020,000
		Required Rent for F	easibility	Residential	\$3.75	per SF/Mo
Gross Potential Income						
Revenues - Private		Units	Avg. Unit Size	Monthly Rent	Rent/SF or /Space	Annual Ren
Apartments	Market Rate Apts	41	771	\$1,734	\$2.25	\$853,006
Commercial	Affordable Apts Market Rate Retail (NNN)	0	0	\$0 \$2.08	\$0.00 \$25.00	\$0 \$0
Commercial	Market Rate Office (NNN)	0	0	\$2.00	\$24.00	\$0
Parking Spaces	Garage (Shared)	41			\$50	\$24,600
Total Rentable Residential Efficiency & GSF		41 85%	31,593 31,593		\$2.31	\$877,606
Commercial Efficiency & GSF		90%	0			
AT A CONTROL OF THE C						
Vacancy & Collection Losses	Market Rate Apts				5.0%	(\$42,650
	Affordable Apts				0.0%	\$0
	Market Rate Retail (NNN)				10.0%	\$0
Total Vacancy Loss	Market Rate Office (NNN)				5.0%	\$0 (\$42,650
Total vacancy Loss						(342,030
Effective Gross Income						\$834,955
Non-Reimburseable Expenses						
Residential & Office	Operating	18% of PGI		(4.86) Pe		(\$153,541
	RE Taxes Management	5% of PGI 2.0% of EGI		(1.39) Pe (0.53) Pe		(\$43,880 (\$16,699
	Reserves	1.0% of EGI		(0.28) Pe		(\$8,776.06
Retail	Mgt & Reserves	2.5% of EGI		0.00 Pe	er NSF	\$0
Subtotal		27% of EGI		(7.06) Pe	er NSF	(\$222,896
Net Operating Income		73% of EGI		\$19.37 Pe	er NSF	\$612,059
Capitalized Value of Residentia	al On Completion-At	Stabilization				
Capitalization Rate	sopiction At		New Construction	6.00% O	verall Rate	\$10,200,981
					Rounded	\$10,200,000
					Per GSF	\$274
					Per RSF	\$323
					Per Unit	\$248,780
Development Cost						
Acquisition Cost (If Private)		19,954 Land S	F	\$20.00 Pe	er Land SF	\$631,856
Pubic Realm Contribution		19,954 Land S	F		er Land SF	\$0
Residential Only		1U-L 61 - 0		\$0.00 pe		\$0
Mixed Use (Residential & Commercial) Parking	Garage (Shared)	High Rise Co 41 Space:		\$300.00 pe \$25,000 pe		\$11,150,400 \$1,025,000
Soft Costs (includes financing, fee etc.)	an ope (similed)	space:			Hard Cost	\$2,400,000
					Rounded	\$15,200,000
					Per GSF Per NSF	\$409 \$481
Entrepreneurial Return		Unlevered Return o	n Cost (NOI/Cost)	4.0%	Margin (Value-Cost)	(\$5,000,000)
Moreover en 19 Mil 1 decisió de Companyo en 1965 e la 1975 decisió de Companyo en 1965 e la 1975 de Companyo en 1965 e la 1975 decisión de Companyo en 1965 e la 1975 de Companyo en 1975				01015	* *************************************	14-7

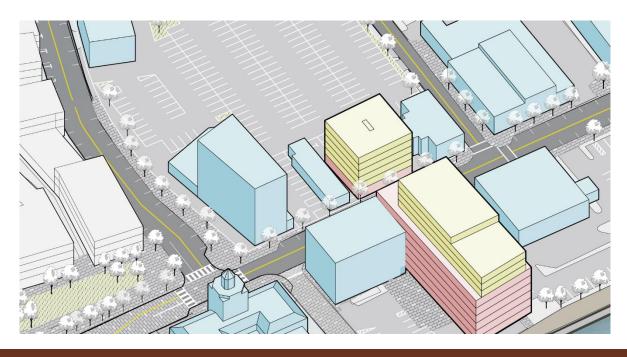
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Redevelopment Zone I



194 Merrimack-High Rise	Program	Use:	Comme	rcial wth 4 stori	wth 4 stories of Resi Above 6-sto		
Feasibility Study		Units (SF per)			0		
Large Dev. Program				-Story High Rise	74,616		
zarge zerr rog.a		Parking Ratio		Story riight tilse	Per 1,000 SF	0.50	
		, annual mane					
	Test Results	Return on Cost Thr	eshold	5%-7%	Results	6.2%	
	in and the Contract and the co	Yr. 1 Cash-On-Cash		3% to 5%	Results	3.0%	
		Profit Margin		10%	Results	2.8%	
		Feasibility Gap		7.5%	of Cost or	\$1,850,000	
		Required Rent for I	Feasibility	Commercial	\$26.25	per SF/Mo	
Gross Potential Income							
Revenues - Private		Units	Avg. Unit Size	Monthly Rent	Rent/SF or /Space	Annual Ren	
Apartments	Market Rate Apts	0	0	\$0	\$2.25	\$0	
Commercial	Affordable Apts Market Rate Retail (NNN)	0	0 11,192	\$0 \$2.08	\$0.00 \$25.00	\$0 \$279,810	
	Market Rate Office (NNN)	0	55,962	\$2.00	\$24.00	\$1,343,088	
Parking Spaces	Garage (Shared)	37	67.454	- 17 - 33	\$0	\$0	
Total Rentable Residential Efficiency & GSF		0 85%	67,154 0		\$2.01	\$1,622,898	
Commercial Efficiency & GSF		90%	67,154				
Vacancy & Collection Losses	Market Rate Apts				5.0%	\$0	
,	Affordable Apts				0.0%	\$0	
	Market Rate Retail (NNN)				10.0%	(\$27,981	
	Market Rate Office (NNN)				5.0%	(\$67,154)	
Total Vacancy Loss						(\$95,135)	
Effective Gross Income Non-Reimburseable Expenses						\$1,527,763	
Residential & Office	Operating	0% of PG	il	0.00 Pe	r NSF	\$0	
	RE Taxes	0% of PG		0.00 Pe	r NSF	\$0	
	Management	0.0% of EG		0.00 Pe		\$0 \$0.00	
Retail	Reserves Mgt & Reserves	0.0% of EG 0.0% of EG		0.00 Pe 0.00 Pe		\$0.00	
Subtotal	mg. acressives	0% of EG		0.00 Pe		\$0	
Net Operating Income		100% of EG	1	\$22.75 Pe	r NSF	\$1,527,763	
Capitalized Value of Residential Or	n Completion-At Stabili	zation					
Capitalization Rate			New Construction	6.00% Ov	erall Rate	\$25,462,710	
					Rounded	\$25,500,000	
					Per GSF Per RSF	\$342 \$380	
					Per Unit	N/A	
					Ter one	147	
Development Cost						14-16-11-11-11-11-11-11-11-11-11-11-11-11-	
Acquisition Cost (If Private)		15,720 Land		\$20.00 Pe		\$1,343,088	
Pubic Realm Contribution Residential Only		15,720 Land	or .	\$0.00 Pe \$0.00 pe		\$0 \$0	
Mixed Use (Residential & Commercial)		Shell Condit	ion	\$250.00 pe		\$18,654,000	
Parking	Garage (Shared)	37 Space		\$25,000 pe	r space	\$932,700	
Soft Costs (includes financing, fee etc.)	= 10-			20% of	Hard Cost Rounded	\$3,900,000 \$24,800,000	
					Per GSF	\$24,800,000	
					Per NSF	\$369	
Entrepreneurial Return		Helevered Betwee	on Cost (NOI/Cost)	6.2%	Margin (Value-Cost)	\$700,000	

Redevelopment Zone I



161 Merrimack	Program	Use:		Reside	ntial (with retail)	4-stories
Feasibility Study		Units (SF per)			16	829
Small In-Fill Program	l .	Type & GSF		Low Rise (St	ick Over Podium)	19,500
	•	Parking Ratio			Per Unit	1.00
	Test Results	Return on Cost The	reshold	5%-7%	Results	6.0%
		Yr. 1 Cash-On-Cash)	3% to 5%	Results	3.0%
		Profit Margin		Positive	Results	0.0%
		Required Rent for	Feasibility	Residential	\$2.25	per SF/Mo
Gross Potential Income						
Revenues - Private	11 1 1 2 1 1 1	Units	Avg. Unit Size	Monthly Rent	Rent/SF or /Space	Annual Rent
Apartments	Market Rate Apts Affordable Apts	16 0	829 0	\$1,865 \$0	\$2.25 \$0.00	\$358,020 \$0
Commercial	Market Rate Retail (NNN)	0	3,901	\$2.08	\$25.00	\$97,523
Parking Spaces	Market Rate Office (NNN) Garage (Shared)	0 16	0	\$2.00	\$24.00 \$50	\$0 \$9,600
Total Rentable	Garage (Shareu)	16	17,161		\$2.26	\$465,143
Residential Efficiency & GSF		85%	13,260			
Commercial Efficiency & GSF		90%	3,901			
Vacancy & Collection Losses	Market Rate Apts				5.0%	(\$17,901)
	Affordable Apts				0.0%	\$0
	Market Rate Retail (NNN)				10.0%	(\$9,752)
	Market Rate Office (NNN)				5.0%	\$0
Total Vacancy Loss						(\$27,653)
Effective Gross Income						\$437,489
Non-Reimburseable Expenses						
Residential & Office	Operating	18% of Pe		(3.76) Pe		(\$64,444)
	RE Taxes Management	5% of Pe 2.0% of E		(1.36) Pe (0.51) Pe		(\$23,257) (\$8,750)
	Reserves	1.0% of E		(0.27) Pe		(\$4,651.43)
Retail	Mgt & Reserves	2.5% of E		(0.16) Pe		(\$2,682)
Subtotal		24% of E	GI	(6.05) Pe	r NSF	(\$103,784)
Net Operating Income		76% of E6	GI	\$19.45 Pe	r NSF	\$333,705
Capitalized Value of Residentia	On Completion At	Stabilization				
Capitalized Value of Residentia	ii On Completion-At	Stabilization	New Construction	6.00% Ov	erall Rate	\$5,561,757
Capitalization Nate			THE W CONSTRUCTION	0.0070 01	Rounded	\$5,600,000
					Per GSF	\$287
					Per RSF	\$326
					Per Unit	\$350,000
Development Cost						
Acquisition Cost (If Private)		19,954 Land	I SF	\$20.00 Pe	r Land SF	\$343,218
Pubic Realm Contribution		19,954 Land		\$0.00 Pe	r Land SF	\$0
Residential Only				\$0.00 pe		\$0
Mixed Use (Residential & Commercial) Parking	Garage (Shared)	16 Space	es	\$225.00 pe \$25,000 pe		\$4,387,500 \$400,000
Soft Costs (includes financing, fee etc.)					Hard Cost	\$500,000
					Rounded Per GSF	\$5,600,000 \$287
					Per NSF	\$326
						2619
Entrepreneurial Return		Unlevered Return	on Cost (NOI/Cost)	6.0%	Margin (Value-Cost)	\$0

Redevelopment Zone II



127 Merrimack	Program	Use:		Reside	ntial (with retail)	4-stories
Feasibility Study		Units (SF per)			35	803
Small In-Fill Program		Type & GSF		Low Rise (St	39,562	
	•	Parking Ratio			Per Unit	0.77
		25		5777-24-10-0		
	Test Results	Return on Cost Thr		5%-7%	Results	6.1%
		Yr. 1 Cash-On-Cash	l	3% to 5%	Results	3.0%
		Profit Margin		Positive	Results	1.9%
		Required Rent for	Feasibility	Residential	\$2.20	per SF/Mo
Gross Potential Income		11.11			D 1/55 /5	
Revenues - Private Apartments	Market Rate Apts	Units 35	Avg. Unit Size 803	Monthly Rent \$1,807	Rent/SF or /Space \$2.25	Annual Rent \$758,773
Commercial	Affordable Apts Market Rate Retail (NNN) Market Rate Office (NNN)	0	0 5,850 0	\$0 \$2.08 \$2.00	\$0.00 \$25.00 \$24.00	\$0 \$146,250 \$0
Parking Spaces	Surface	27	Ü	\$2.00	\$24.00	\$0
Total Rentable Residential Efficiency & GSF Commercial Efficiency & GSF		35 85% 90%	33,953 28,103 5,850		\$2.22	\$905,023
Vacancy & Collection Losses	Market Rate Apts				5.0%	(\$37,939)
vacancy a concenter resises	Affordable Apts				0.0%	\$0
	Market Rate Retail (NNN)				10.0%	(\$14,625)
Total Vacancy Loss	Market Rate Office (NNN)				5.0%	\$0 (\$52,564)
Effective Gross Income						\$852,459
Non-Reimburseable Expenses						
Residential & Office	Operating	18% of PC	GI	(4.02) Pe	r NSF	(\$136,579)
	RE Taxes	5% of PC		(1.33) Pe		(\$45,251)
	Management Reserves	2.0% of E0 1.0% of E0		(0.50) Pe (0.27) Pe		(\$17,049) (\$9,050.23)
Retail	Mgt & Reserves	2.5% of EG		(0.12) Pe	r NSF	(\$4,022)
Subtotal		25% of E0	6l	(6.24) Pe	r NSF	(\$211,952)
Net Operating Income		75% of E0	GI	\$18.86 Pe	r NSF	\$640,508
Capitalized Value of Residentia	l On Completion-At	Stabilization				
Capitalization Rate			New Construction	6.00% Ov	verall Rate	\$10,675,128
					Rounded Per GSF	\$10,700,000 \$270
					Per RSF	\$315
					Per Unit	\$305,714
Development Cost						
Acquisition Cost (If Private)		7,050 Land		\$20.00 Pe		\$679,054
Public Realm Contribution		7,050 Land	SF	\$0.00 Pe		\$0 \$0
Residential Only Mixed Use (Residential & Commercial)				\$0.00 pe \$225.00 pe		\$8,901,450
Parking	Surface	27 Spac	es	\$2,500 pe	r space	\$67,500
Soft Costs (includes financing, fee etc.)		Anna Wellings		10% of	Hard Cost	\$900,000
					Rounded Per GSF	\$10,500,000 \$265
					Per NSF	\$309

Redevelopment Zone II



120 Merrimack	Program	Use:		Reside	ntial (with retail)	6-stories
Feasibility Study		Units (SF per)			105	907
Large Dev. Program		Type & GSF		Low Rise (Sti	ck Over Podium)	104,400
	•	Parking Ratio			Per Unit	0.61
	Test Results	Return on Cost Thre	eshold	5%-7%	Results	5.3%
		Yr. 1 Cash-On-Cash		3% to 5%	Results	3.1%
		Profit Margin		10%	Results	-12.5%
		Feasibility Gap		21.3%	of Cost or	\$6,790,000
		Required Rent for F	easibility	Residential	\$3.00	per SF/Mo
Gross Potential Income						
Revenues - Private		Units	Avg. Unit Size	Monthly Rent	Rent/SF or /Space	Annual Rent
Apartments	Market Rate Apts Affordable Apts	105 0	765 0	\$1,721 \$0	\$2.25 \$0.00	\$2,167,880 \$0
Commercial	Market Rate Retail (NNN)	0	8,945	\$2.08	\$25.00	\$223,628
	Market Rate Office (NNN)	0	0	\$2.00	\$24.00	\$0
Parking Spaces	Surface	64	00 227		\$0	\$0
Total Rentable Residential Efficiency & GSF		105 85%	89,237 80,292		\$2.23	\$2,391,507
Commercial Efficiency & GSF		90%	8,945			
Vacancy & Collection Losses	Market Rate Apts				5.0%	(\$108,394)
	Affordable Apts				0.0%	\$0
	Market Rate Retail (NNN)				10.0%	(\$22,363)
·	Market Rate Office (NNN)				5.0%	\$0
Total Vacancy Loss						(\$130,757)
Effective Gross Income						\$2,260,751
Non-Reimburseable Expenses						
Residential & Office	Operating	18% of PG	I	(4.37) Pe	r NSF	(\$390,218)
	RE Taxes	5% of PG		(1.34) Pe		(\$119,575)
	Management Reserves	2.0% of EG 1.0% of EG		(0.51) Pe (0.27) Pe		(\$45,215) (\$23,915.07)
Retail	Mgt & Reserves	2.5% of EG		(0.07) Pe		(\$6,150)
Subtotal		26% of EG	Ļ	(6.56) Pe	r NSF	(\$585,074)
Net Operating Income		74% of EG	Ĭ	\$18.78 Pe	r NSF	\$1,675,677
Capitalized Value of Residentia	al On Completion-At	Stabilization				
Capitalization Rate			New Construction	6.00% Ov	erall Rate	\$27,927,952
					Rounded	\$27,900,000
					Per GSF	\$267
					Per RSF Per Unit	\$313 \$265,824
					Per Onit	\$205,824
Development Cost				¥		
Acquisition Cost (If Private)		19,954 Land 19,954 Land		\$20.00 Pe		\$1,784,739
Pubic Realm Contribution Residential Only		19,954 Land	ar .	\$0.00 Pe \$0.00 pe		\$0 \$0
Mixed Use (Residential & Commercial)		High Rise C	ost	\$225.00 pe		\$23,490,000
Parking	Surface	64 Space		\$25,000 pe	r space	\$1,600,000
Soft Costs (includes financing, fee etc.)				20% of	Hard Cost	\$5,000,000
					Rounded Per GSF	\$31,900,000 \$306
					Per NSF	\$357
Entrepreneurial Return		Unlevered Return	on Cost (NOI/Cost)	5.3%	Margin (Value-Cost)	(\$4,000,000)

Redevelopment Zone II

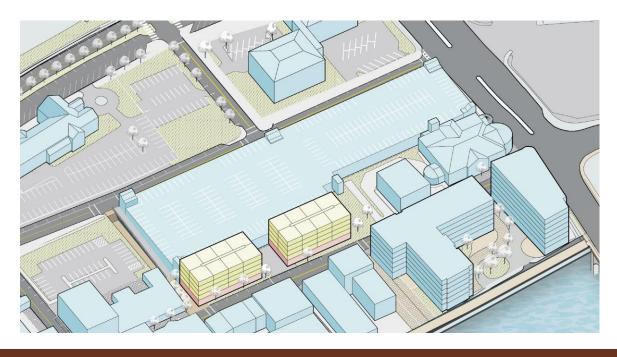


Merrimack St. Public Parking Lots	Program	Use:	2 R	esidential Buildi	ngs (with retail)	4-stories
Feasibility Study		Units (SF per)			32	859
Small In-Fill Program		Type & GSF		Low Rise (Stic	36,230	
	-	Parking Ratio			Per Unit	0.38
	Test Results	Return on Cost Thr	eshold	5%-7%	Results	6.5%
		Yr. 1 Cash-On-Cash		3% to 5%	Results	3.1%
		Profit Margin		Positive	Results	7.7%
		Required Rent for	Feasibility	Residential	\$2.05	per SF/Mo
Gross Potential Income						
Revenues - Private		Units	Avg. Unit Size	Monthly Rent	Rent/SF or /Space	Annual Rent
Apartments	Market Rate Apts	32 0	859 0	\$1,932	\$2.25 \$0.00	\$741,974
Commercial	Affordable Apts Market Rate Retail (NNN)	0	3,510	\$0 \$2.08	\$25.00	\$0 \$87,750
	Market Rate Office (NNN)	0	0	\$2.00	\$24.00	\$0
Parking Spaces	Under Building	12	30.001		\$50	\$7,200
Total Rentable Residential Efficiency & GSF		32 85%	30,991 27,481		\$2.25	\$836,924
Commercial Efficiency & GSF		90%	3,510			
Vacancy & Collection Losses	Market Rate Apts				5.0%	(\$37,099)
vacancy & conection cosses	Affordable Apts				0.0%	\$0
	Market Rate Retail (NNN)				10.0%	(\$8,775)
	Market Rate Office (NNN)				5.0%	\$0
Total Vacancy Loss						(\$45,874)
Effective Gross Income						\$791,050
Non-Reimburseable Expenses						
Residential & Office	Operating	18% of PG	i	(4.31) Per	NSF	(\$133,555)
	RE Taxes	5% of PG	ı	(1.35) Per	NSF	(\$41,846)
	Management	2.0% of EG		(0.51) Per		(\$15,821)
Retail	Reserves Mgt & Reserves	1.0% of EG 2.5% of EG		(0.27) Per (0.08) Per		(\$8,369.24) (\$2,413)
Subtotal		26% of EG		(6.52) Per		(\$202,005)
Net Operating Income		74% of EG	ı	\$19.01 Per	NSF	\$589,045
Capitalized Value of Residential On	Completion-At Stabi	lization				
Capitalization Rate	completion At Stabi		New Construction	6.00% Ove	erall Rate	\$9,817,418
					Rounded	\$9,800,000
					Per GSF	\$270
					Per RSF Per Unit	\$316 \$306,250
					Per Unit	\$306,250
Development Cost						
Acquisition Cost (If Private)		12,040 Land	SF	\$0.00 Per	Land SF	\$0
Pubic Realm Contribution		12,040 Land	SF	\$0.00 Per		\$0
Residential Only Mixed Use (Residential & Commercial)				\$225.00 per \$0.00 per		\$8,151,750 \$0
Parking	Under Building	12 Space	s	\$15,000 per		\$180,000
Soft Costs (includes financing, fee etc.)	2007 (PRINCE TO STOCKTOOT C W.		1000		lard Cost	\$800,000
					Rounded Per GSF	\$9,100,000
					Per NSF	\$251 \$294
Entrepreneurial Return		Unlevered Return	on Cost (NOI/Cost)	6.5%	Margin (Value-Cost)	\$700,000
		100 - 100 //A - 2002 - 100 - 100 - 100 - 100 //A - 2002 - 100 - 100 - 100 //A - 2002 - 100 - 100 //A - 2002 - 100 - 100 //A - 2002 - 2002 - 100 //A - 2002 -		occurrent VI		2000 to 2000 t

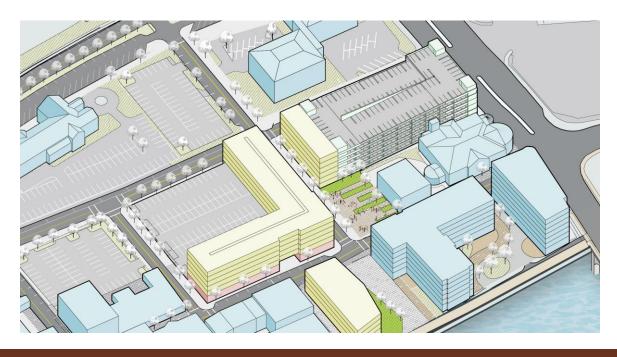
Redevelopment Zone II Commercial Option



Merrimack St. Public Parking Lots	Program	Use:	2 R	esidential Buildin	4-stories	
Feasibility Study		Units (SF per)			32	859
Small In-Fill Program		Type & GSF		Low Rise (Stick	Over Podium)	36,230
	-	Parking Ratio			Per Unit	0.38
	Test Results	Return on Cost Thr		5%-7%	Results	6.5%
		Yr. 1 Cash-On-Cash		3% to 5%	Results	3.1%
		Profit Margin		Positive	Results	7.7%
		Required Rent for I	easibility	Residential	\$2.05	per SF/Mo
Gross Potential Income					n . tes . te	
Revenues - Private Apartments	Market Rate Apts	Units 32	Avg. Unit Size 859	Monthly Rent \$1,932	Rent/SF or /Space \$2.25	Annual Rent \$741,974
W U	Affordable Apts	0	0	\$0	\$0.00	\$0
Commercial	Market Rate Retail (NNN) Market Rate Office (NNN)	0	3,510 0	\$2.08 \$2.00	\$25.00 \$24.00	\$87,750 \$0
Parking Spaces	Under Building	12	Ü	\$2.00	\$50	\$7,200
Total Rentable		32	30,991		\$2.25	\$836,924
Residential Efficiency & GSF Commercial Efficiency & GSF		85% 90%	27,481 3,510			
commercial Efficiency & doi		3070	3,310			
Vacancy & Collection Losses	Market Rate Apts				5.0%	(\$37,099)
5	Affordable Apts				0.0%	\$0
	Market Rate Retail (NNN)				10.0%	(\$8,775)
Total Vacancy Loss	Market Rate Office (NNN)				5.0%	\$0 (\$45,874)
Effective Cross Income						4704.050
Effective Gross Income						\$791,050
Non-Reimburseable Expenses						
Residential & Office	Operating	18% of PG		(4.31) Per N	ISF	(\$133,555)
	RE Taxes	5% of PG		(1.35) Per N		(\$41,846)
	Management	2.0% of EGI		(0.51) Per N		(\$15,821) (\$8,369.24)
Retail	Reserves Mgt & Reserves	1.0% of EGI 2.5% of EGI		(0.27) Per N (0.08) Per N		(\$8,369.24)
Subtotal	Wige or Neserves	26% of EG		(6.52) Per N		(\$202,005)
Net Operating Income		74% of EGI		\$19.01 Per N	ISF	\$589,045
•				***********		,
Capitalized Value of Residential On	Completion-At Stabi					4
Capitalization Rate			New Construction	6.00% Over	all Rate Rounded	\$9,817,418 \$9,800,000
					Per GSF	\$270
					Per RSF	\$316
					Per Unit	\$306,250
Development Cost						
Acquisition Cost (If Private)		12,040 Land 9	e c	\$0.00 Per L	and SE	śo
Pubic Realm Contribution		12,040 Land :		\$0.00 Per L		\$0
Residential Only				\$225.00 per 0		\$8,151,750
Mixed Use (Residential & Commercial)	10.00.00.0000			\$0.00 per 0	SF	\$0
Parking Soft Costs (includes financing, fee etc.)	Under Building	12 Space	s	\$15,000 per s 10% of Ha		\$180,000 \$800,000
son costs (mediaes midricing, receit.)				10/8 OI FIG	Rounded	\$9,100,000
					Per GSF Per NSF	\$251 \$294
					Per NSF	\$294
Entrepreneurial Return		Unlevered Return o	on Cost (NOI/Cost)	6.5%	Margin (Value-Cost)	\$700,000
Lina epi eneuriai Neturn		Unievered Keturn C	on cost (NOI/Cost)	6.5%	iviargin (value-cost)	\$700,

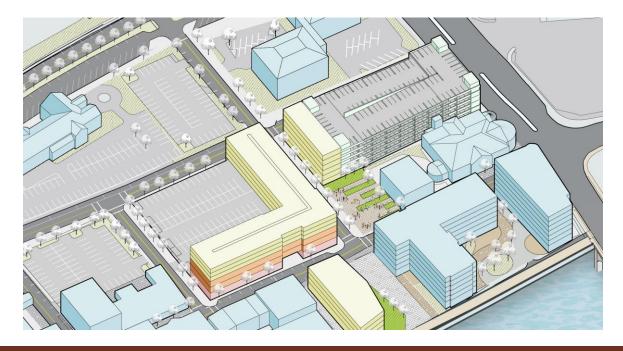


Goecke Deck	Program	Use:	2 F	Residential Build	dings (with retail)	6-stories
Feasibility Study		Units (SF per)			167	765
Large Dev. Program		Type & GSF		Low Rise (St	ick Over Podium)	165,834
	•	Parking Ratio		The second of th	Per Unit	1.19
	Test Results	Return on Cost Thr		5%-7%	Results	5.0%
		Yr. 1 Cash-On-Cash	F)	3% to 5%	Results	3.0%
		Profit Margin		10%	Results	-17.2%
		Feasibility Gap Required Rent for	Egacibility	25.4% Residential	of Cost or	\$13,640,000 per SF/Mo
Gross Potential Income		Required Rent for	i casibility	Residential	\$3.00	per st/two
Revenues - Private		Units	Avg. Unit Size	Monthly Rent	Rent/SF or /Space	Annual Ren
Apartments	Market Rate Apts	167	765	\$1,721	\$2.25	\$3,442,133
6	Affordable Apts	0	0	\$0	\$0.00 \$25.00	\$0
Commercial	Market Rate Retail (NNN Market Rate Office (NNN		14,265 0	\$2.08 \$2.00	\$24.00	\$356,625 \$0
Parking Spaces	Surface	198	•	Value	\$0	\$0
Total Rentable					\$2.23	\$3,798,758
Residential Efficiency & GSF Commercial Efficiency & GSF	Up	date per forma				
Vacancy & Collection Losses	Market Rate Apts				5.0%	
	Affordable Apts				0.0%	
	Market Rate Retail (NNN				10.0%	
Total Vacancy Loss	Market Rate Office (NNN)			5.0%	\$0 (\$207,769
						,
Effective Gross Income						\$3,590,989
Non-Reimburseable Expenses						
Residential & Office	Operating	18% of PC		(4.37) Pe		(\$619,584
	RE Taxes	5% of PC		(1.34) Pe		(\$189,938
	Management Reserves	2.0% of EC 1.0% of EC		(0.51) Pe (0.27) Pe		(\$71,820 (\$37,987.58
Retail	Mgt & Reserves	2.5% of E0		(0.07) Pe		(\$9,807
Subtotal		26% of E0		(6.55) Pe		(\$929,136
Net Operating Income		74% of EG	GI .	\$18.78 Pe	er NSF	\$2,661,852
Capitalized Value of Residentia	al On Completion-A	t Stabilization				
Capitalization Rate			New Construction	6.00% O	verall Rate	\$44,364,205
					Rounded	\$44,400,000
					Per GSF Per RSF	\$268 \$313
					Per Unit	\$266,428
Development Cost						¥,
Acquisition Cost (If Private)		60,196 Land	SE	\$20.00 Pe	er Land SE	\$2,835,028
Pubic Realm Contribution		60,196 Land			er Land SF	\$0
Residential Only				\$0.00 pe		\$0
Mixed Use (Residential & Commercial)	Surface	High Rise (\$225.00 pe		\$37,312,650 \$4,950,000
Parking Soft Costs (includes financing, fee etc.)	Ѕипасе	198 Spac	es	\$25,000 pe	er space Hard Cost	\$4,950,000
sort costs (motades martering) rec etta/				2070 01	Rounded	\$53,600,000
					Per GSF Per NSF	\$323 \$378
Entrepreneurial Return		Unlevered Return	on Cost (NOI/Cost)	5.0%	Margin (Value-Cost)	(\$9,200,000



Goecke Deck	Program	Use:	2 R	esidential Ruile	lings (with retail)	6-stories
Feasibility Study	i i ogium	Units (SF per)		iesidentiai banc	167	765
		Type & GSF		Law Bisa (St	ick Over Podium)	165,834
Large Dev. Program	J			rom kise (st	and the same of the same of the same of	
		Parking Ratio			Per Unit	1.19
	Marin - Marin	West and the second second second	OR THEORY			
	Test Results	Return on Cost Thr		5%-7%	Results	5.0%
		Yr. 1 Cash-On-Cash		3% to 5%	Results	3.0%
		Profit Margin		10%	Results	-17.2%
		Feasibility Gap		25.4%	of Cost or	\$13,640,000
		Required Rent for I	Feasibility	Residential	\$3.00	per SF/Mo
Gross Potential Income						
Revenues - Private		Units	Avg. Unit Size	Monthly Rent	Rent/SF or /Space	Annual Rent
Apartments	Market Rate Apts	167	765	\$1,721	\$2.25	\$3,442,133
6	Affordable Apts Market Rate Retail (NNN)	0	0 14,265	\$0 \$2.08	\$0.00 \$25.00	\$0 \$356,625
Commercial	Market Rate Office (NNN)	0	14,263	\$2.00	\$24.00	
Parking Spaces	Surface	198			\$0	\$0
Total Rentable		167	141,751		\$2.23	\$3,798,758
Residential Efficiency & GSF Commercial Efficiency & GSF		85% 90%	127,486 14,265			
Commercial Efficiency & GSI		30%	14,203			
Vacancy & Collection Losses	Market Rate Apts				5.0%	(\$172,107)
	Affordable Apts				0.0%	
	Market Rate Retail (NNN)				10.0%	(\$35,663)
	Market Rate Office (NNN)				5.0%	
Total Vacancy Loss						(\$207,769)
Effective Gross Income						\$3,590,989
Non-Reimburseable Expenses						
Residential & Office	Operating	18% of PC		(4.37) Pe		(\$619,584)
	RE Taxes Management	5% of PG 2.0% of EG		(1.34) Pe (0.51) Pe		(\$189,938) (\$71,820)
	Reserves	1.0% of EG		(0.27) Pe		(\$37,987.58)
Retail	Mgt & Reserves	2.5% of EG		(0.07) Pe		(\$9,807)
Subtotal		26% of EG	iL	(6.55) Pe	r NSF	(\$929,136)
Net Operating Income		74% of EG	SI .	\$18.78 Pe	r NSF	\$2,661,852
Capitalized Value of Residentia	I On Completion-At	Stabilization				
Capitalization Rate	ii on completion re	Stabilization	New Construction	6.00% Ov	verall Rate	\$44,364,205
and the second second					Rounded	
					Per GSF	\$268
					Per RSF	
					Per Unit	\$266,428
Development Cost						
Acquisition Cost (If Private)		60,196 Land	SE	\$20.00 Pe	er Land SF	\$2,835,028
Pubic Realm Contribution		60,196 Land		\$0.00 Pe		\$2,833,026
Residential Only				\$0.00 pe	r GSF	\$0
Mixed Use (Residential & Commercial)	20200	High Rise C		\$225.00 pe		\$37,312,650
Parking Soft Costs (includes financing, fee etc.)	Surface	198 Space	es	\$25,000 pe	r space Hard Cost	\$4,950,000 \$8,500,000
Sort Costs (includes finalicing, fee etc.)				2070 01	Rounded	
					Per GSF	\$323
					Per NSF	\$378
Entropropourial Poture		11-115	C+ INOUG	F 60%	Name - Ozele - Cons	160 200 0001
Entrepreneurial Return		Unlevered Keturn	on Cost (NOI/Cost)	5.0%	Margin (Value-Cost)	(\$9,200,000)

Redevelopment Zone III Commercial Option 03



Goecke Deck	Program	Use:	2 F	Residential Build	dings (with retail)	6-stories
Feasibility Study		Units (SF per)			105	765
Large Dev. Program		Type & GSF		Low Rise (St	ick Over Podium)	165,834
	■.	Parking Ratio			1.88	
	Test Results	Return on Cost Th	reshold	5%-7%	Results	4.9%
		Yr. 1 Cash-On-Casl	h	3% to 5%	Results	3.0%
		Profit Margin		10%	Results	-19.0%
		Feasibility Gap		27.1%	of Cost or	\$14,550,000
		Required Rent for	Feasibility	Residential	\$3.00	per SF/Mo
Gross Potential Income						
Revenues - Private		Units	Avg. Unit Size	Monthly Rent	Rent/SF or /Space	Annual Ren
Apartments	Market Rate Apts Affordable Apts	105 0	765 0	\$1,721 \$0	\$2.25 \$0.00	\$2,173,411 \$0
Commercial	Market Rate Retail (NNN)	0	14,265	\$2.08	\$25.00	\$356,625
	Market Rate Office (NNN)	0	49,754	\$2.00	\$24.00	\$1,194,091
Parking Spaces Total Rentable	Surface	198 105	144.516		\$0 \$2.15	\$0 \$3,724,127
Residential Efficiency & GSF		85%	80,497		52.15	J3,124,121
Commercial Efficiency & GSF		90%	64,019			
Vacancy & Collection Losses	Market Rate Apts				5.0%	(\$108,671
vacancy & conection cosses	Affordable Apts				0.0%	\$0
	Market Rate Retail (NNN)				10.0%	(\$35,663)
-	Market Rate Office (NNN)				5.0%	(\$59,705)
Total Vacancy Loss						(\$204,038)
Effective Gross Income						\$3,520,089
Non-Reimburseable Expenses						
Residential & Office	Operating	18% of P	·GI	(4.19) Pe	er NSF	(\$606,150.38
and all the contract of the co	RE Taxes	5% of P		(1.29) Pe		(\$186,206
	Management Reserves	2.0% of E 1.0% of E		(0.49) Pe (0.26) Pe		(\$70,402) (\$37,241.27)
Retail	Mgt & Reserves	2.5% of E		(0.20) Pe		(\$9,807)
Subtotal		26% of E	GI	(6.30) Pe	er NSF	(\$909,807)
Net Operating Income		74% of E	GI	\$18.06 Pe	er NSF	\$2,610,283
Capitalized Value of Residentia	al On Completion-At	Stabilization				
Capitalization Rate	A Secretary of the second of t		New Construction	6.00% O	verall Rate	\$43,504,709
					Rounded	\$43,500,000
					Per GSF Per RSF	\$262 \$301
					Per Unit	\$413,402
Development Cost						
Acquisition Cost (If Private)		60,196 Land	4 CE	\$20.00 Pe	or Land SE	\$2,890,310
Pubic Realm Contribution		60,196 Land			er Land SF er Land SF	\$2,890,310 \$0
Residential Only				\$0.00 pe	er GSF	\$0
Mixed Use (Residential & Commercial)	. r	High Rise		\$225.00 pe		\$37,312,650
Parking Soft Costs (includes financing, fee etc.)	Surface	198 Spa	ces	\$25,000 pe 20% of	er space F Hard Cost	\$4,950,000 \$8,500,000
Jore Costs (includes mancing, fee etc.)				20,00	Rounded	\$53,700,000
					Per GSF Per NSF	\$324 \$372
Entrepreneurial Return		Unlevered Return	n on Cost (NOI/Cost)	4.9%	Margin (Value-Cost)	(\$10,200,000)
		1900				



26 Merrimack	Program	Use:		Reside	ential (with retail)	4-stories
Feasibility Study		Units (SF per)			29	765
Small In-Fill Program		Type & GSF		Low Rise (St	ick Over Podium)	29,636
	Parking Ratio				1.04	
	Test Results	Return on Cost Thr	eshold	5%-7%	Results	6.2%
		Yr. 1 Cash-On-Cash	Y .	3% to 5%	Results	3.0%
		Profit Margin		Positive	Results	3.8%
		Required Rent for	Feasibility	Residential	\$2.15	per SF/Mo
Gross Potential Income						
Revenues - Private		Units	Avg. Unit Size	Monthly Rent	Rent/SF or /Space	Annual Rent
Apartments	Market Rate Apts Affordable Apts	29 0	765 0	\$1,721 \$0	\$2.25 \$0.00	\$595,139 \$0
Commercial	Market Rate Retail (NNN)	o	3,334	\$2.08	\$25.00	\$83,340
	Market Rate Office (NNN)	0	0	\$2.00	\$24.00	\$0
Parking Spaces Total Rentable	Garage (Shared)	22	25,376		\$50 \$2.27	\$12,966 \$691,445
Residential Efficiency & GSF Commercial Efficiency & GSF		85% 90%	22,042 3,334			
Vacancy & Collection Losses	Market Rate Apts				5.0%	(\$29,757)
,	Affordable Apts				0.0%	\$0
	Market Rate Retail (NNN)				10.0%	(\$8,334)
Total Vacancy Loss	Market Rate Office (NNN)				5.0%	\$0 (\$38,091)
Total vacancy 2033						(536,031)
Effective Gross Income						\$653,354
Non-Reimburseable Expenses						
Residential & Office	Operating	18% of PC	31	(4.22) Pe	er NSF	(\$107,125)
	RE Taxes	5% of PC		(1.36) Pe		(\$34,572
	Management Reserves	2.0% of E0 1.0% of E0		(0.51) Pe (0.27) Pe		(\$13,067) (\$6,914.45)
Retail	Mgt & Reserves	2.5% of EC	31	(0.09) Pe	er NSF	(\$2,292)
Subtotal		25% of E0	3l	(6.46) Pe	er NSF	(\$163,971)
Net Operating Income		75% of EC	51	\$19.29 Pe	er NSF	\$489,384
Capitalized Value of Residentia	al On Completion-At	Stabilization				
Capitalization Rate			New Construction	6.00% O	verall Rate	\$8,156,395
					Rounded Per GSF	\$8,200,000
					Per GSF Per RSF	\$277 \$323
					Per Unit	\$284,590
Development Cost						
		20 501 1	LCE	ć0.00 P-		¢0
Acquisition Cost (If Private) Pubic Realm Contribution		38,591 Land 38,591 Land			er Land SF er Land SF	\$0 \$0
Residential Only				\$0.00 pe		\$0
Mixed Use (Residential & Commercial)	Corner (Share-1)	22.0		\$225.00 pe		\$6,668,100
Parking Soft Costs (includes financing, fee etc.)	Garage (Shared)	22 Spac	es	\$25,000 pe 10% of	er space Hard Cost	\$540,250 \$700,000
, , , , , , , , , , , , , , , , , , , ,					Rounded	\$7,900,000
					Per GSF Per NSF	\$267 \$311
					rei NSF	3311
Entrepreneurial Return		Unlevered Return	on Cost (NOI/Cost)	6.2%	Margin (Value-Cost)	\$300,000



30 Parkway	Program	Use:	2	Residential Bu	ildings (no retail)	4-stories
Feasibility Study		Units (SF per)			27	922
Small In-Fill Program		Type & GSF		Low Rise (St	ick Over Podium)	29,300
0	•	Parking Ratio		Charles Street St.	0.67	
	Test Results	Return on Cost Thre	eshold	5%-7%	Results	6.4%
		Yr. 1 Cash-On-Cash		3% to 5%	Results	3.1%
		Profit Margin		Positive	Results	5.5%
		Required Rent for F	easibility	Residential	\$2.15	per SF/Mo
Gross Potential Income						
Revenues - Private		Units	Avg. Unit Size	Monthly Rent	Rent/SF or /Space	Annual Rent
Apartments	Market Rate Apts Affordable Apts	27 0	922 0	\$2,075 \$0	\$2.25 \$0.00	\$672,435 \$0
Commercial	Market Rate Retail (NNN) Market Rate Office (NNN)	0	0	\$2.08 \$2.00	\$25.00 \$24.00	\$0 \$0
Parking Spaces	Surface	18		5051154488550	\$0	\$0
Total Rentable Residential Efficiency & GSF Commercial Efficiency & GSF		27 85% 90%	24,905 24,905 0		\$2.25	\$672,435
Vacancy & Collection Losses	Market Rate Apts				5.0%	(\$33,622)
	Affordable Apts				0.0%	\$0
	Market Rate Retail (NNN)				10.0%	\$0
Total Vacancy Loss	Market Rate Office (NNN)				5.0%	\$0 (\$33,622)
Total Tatanay 2000						(400,022)
Effective Gross Income						\$638,813
Non-Reimburseable Expenses						
Residential & Office	Operating	18% of PG	i	(4.86) Pe	er NSF	(\$121,038)
	RE Taxes	5% of PG		(1.35) Pe		(\$33,622)
	Management Reserves	2.0% of EG 1.0% of EG		(0.51) Pe (0.27) Pe		(\$12,776) (\$6,724.35)
Retail	Mgt & Reserves	2.5% of EG		0.00 Pe		\$0
Subtotal		27% of EG	ı	(6.99) Pe	er NSF	(\$174,161)
Net Operating Income		73% of EG	1	\$18.66 Pe	er NSF	\$464,653
Capitalized Value of Residentia	On Completion-At	Stabilization				
Capitalization Rate			New Construction	6.00% O	verall Rate	\$7,744,210
					Rounded Per GSF	\$7,700,000
					Per RSF	\$263 \$309
					Per Unit	\$285,185
Development Cost						
Acquisition Cost (If Private)		12,040 Land	SE	\$0.00 Pe	er Land SF	\$0
Pubic Realm Contribution		12,040 Land			er Land SF	\$0
Residential Only				\$225.00 pe	er GSF	\$6,592,500
Mixed Use (Residential & Commercial) Parking	Surface	18 Space	ac.	\$0.00 pe \$2,500 pe		\$0 \$45,000
Soft Costs (includes financing, fee etc.)	Juilace	19 Space	:0		r space Hard Cost	\$700,000
					Rounded	\$7,300,000
					Per GSF Per NSF	\$249 \$293
Entrepreneurial Return						



Program	Use:		Resid	dential (no retail)	4-stories
	Units (SF per)			30	829
	Type & GSF		Low Rise (St	ck Over Podium)	29,250
•	Parking Ratio			Per Unit	1.00
movement and agreement of the contract of the			272192000(ITT)W)	personal dependence	
Test Results					6.3%
	The second second				3.1%
	Profit Margin		Positive	Results	4.1%
	Required Rent for F	easibility	Residential	\$2.15	per SF/Mo
	Units	Avg. Unit Size	Monthly Rent	Rent/SF or /Space	Annual Rent
Market Rate Apts					\$671,288
					\$0 \$0
Market Rate Office (NNN)	0	0	\$2.00	\$24.00	\$0
Surface	30			\$0	\$0
				\$2.25	\$671,288
	90%	0			
Market Rate Apts				5.0%	(\$33,564)
Affordable Apts				0.0%	\$0
Market Rate Retail (NNN)				10.0%	\$0
Market Rate Office (NNN)				5.0%	\$0 (\$33,564)
					\$637,723
Operating			(4.86) Pe	r NSF	(\$120,832)
RE Taxes					(\$33,564)
					(\$12,754) (\$6,712.88)
Mgt & Reserves					\$0
-	27% of EG	ı	(6.99) Pe	r NSF	(\$173,863)
	73% of EG	đ.	\$18.66 Pe	r NSF	\$463,860
al On Completion-At	Stabilization				
		New Construction	6.00% Ov		\$7,730,994
					\$7,700,000 \$263
					\$310
				Per Unit	\$256,667
	26,172 Land	SF	\$0.00 Pe	r Land SF	\$0
	26,172 Land	SF			\$0
					\$6,581,250
Surface	30 Space	es			\$0 \$75,000
					\$700,000
				Rounded	\$7,400,000
				Per GSF Per NSF	\$253 \$298
		on Cost (NOI/Cost)	6.3%	Margin (Value-Cost)	\$300,000
	Market Rate Apts Affordable Apts Market Rate Retail (NNN) Market Rate Office (NNN) Surface Market Rate Apts Affordable Apts Market Rate Apts Affordable Apts Market Rate Office (NNN) Operating RE Taxes Management Reserves Mgt & Reserves	Units (SF per) Type & GSF Parking Ratio Test Results Return on Cost Three Yr. 1 Cash-On-Cash Profit Margin Required Rent for F Units Market Rate Apts 30 Affordable Apts 0 Market Rate Office (NNN) 0 Surface 30 S5% 90% Market Rate Apts Affordable Apts Market Rate Apts Affordable Apts Market Rate Office (NNN) Market Rate Office (NNN) Market Rate Office (NNN) Operating 18% of PG RE Taxes 5% of PG Management 2.0% of EG Mgt & Reserves 1.0% of EG Mgt & Reserves 2.5% of EG 73% of EG 10 On Completion-At Stabilization	Units (SF per) Type & GSF Parking Ratio Test Results Return on Cost Threshold Yr. 1 Cash-On-Cash Profit Margin Required Rent for Feasibility Market Rate Apts Affordable Apts Market Rate Office (NNN) Surface 30 30 24,863 85% 24,863 90% Market Rate Apts Affordable Apts Market Rate Office (NNN) Market Rate Office (NNN) Operating RE Taxes S% of PGI Management Reserves 1.0% of EGI Reserves 1.0% of EGI Agt & Reserves 1.0% of EGI T3% of EGI T3% of EGI T3% of EGI Surface 30 Spaces	Units (SF per) Type & GSF Low Rise (Sti Parking Ratio	Units (SF per) Type & GSF Low Rise (Stick Over Podium) Parking Ratio Per Unit