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# QUINNIPIAC RIVER LINEAR TRAIL EXTENSION – PHASE III B

SLR Project #141.15836.00002

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# Meet the Team



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**Town of Wallingford**

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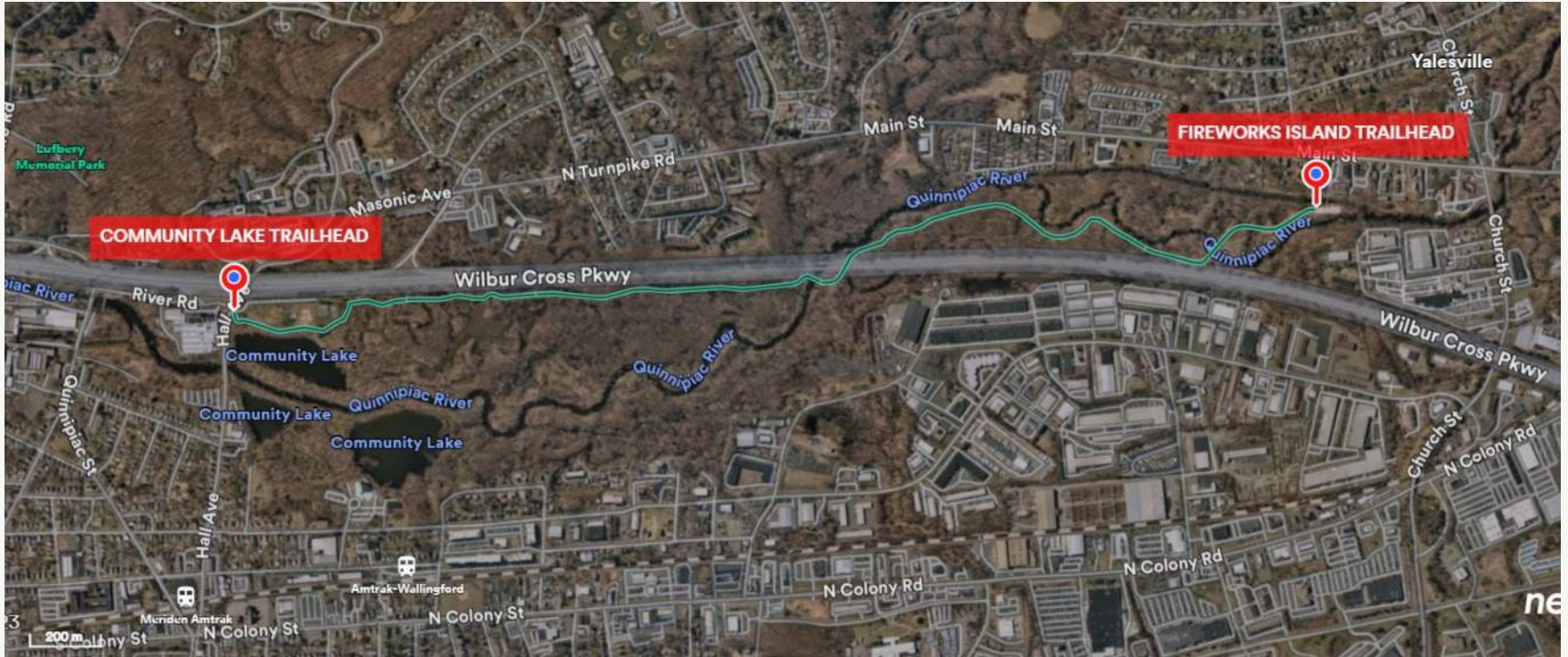
**QRLT Advisory  
Committee**

Cathryn Granucci, Co-Chair

Mary Mushinsky, Co-Chair



# Project Overview: Phase I – Phase III





# Project Overview: Phase IIIB





# Project Overview

- Continued connectivity for all trail users
- Phase IIIB Fully Funded (Construction): \$1,515,000
  - CT Urban Act Grant = \$690,000
  - Community Connectivity Grant = \$680,000
  - Friends of The Trail = \$145,000
- Proposed trail comprised of 3 types of infrastructure:
  - At-grade trail
  - Elevated boardwalk
  - Pedestrian bridge
- Proposed trail falls within existing 12-ft wide easement
- SLR recently completed 30% Design Plans





# Project Goals



Improved Connectivity &  
Accessibility For All Trail Users



Healthy Alternative Mode of  
Transportation



Safe and Sustainable Pedestrian  
Mobility





# Existing Conditions

- **380 Main Street:** Existing 12-ft wide easement (south side)
  - Provided by the developer of the property in connection with the local regulatory approvals process for condominiums
- **Quinnipiac River Raceway:** Federal Emergency Management Agency (FEMA)-delineated floodplain and floodway.
  - Zone AE, a 1% annual chance floodplain (100-year storm event)
  - Limits of this floodplain extend south to Route 15 and north over North Turnpike Road (Main Street)



View from 12-foot-wide easement  
along 380 Main Street towards Main  
Street



# Existing Conditions

- **Fireworks Island:**
  - Existing QRLT Trailhead with two floodplain compensatory storage basins constructed under Phase III
- The existing site generally slopes from west (80 ft el.) to east (45 ft el.) on the west side of the raceway
- On the east side of the raceway, site grades are relatively level at elevation 53.5.
- The overall site consists of two inland wetlands and one upland, broadleaf, deciduous forest.



View looking at the raceway from the west. Note existing timber bridge crossing over raceway.

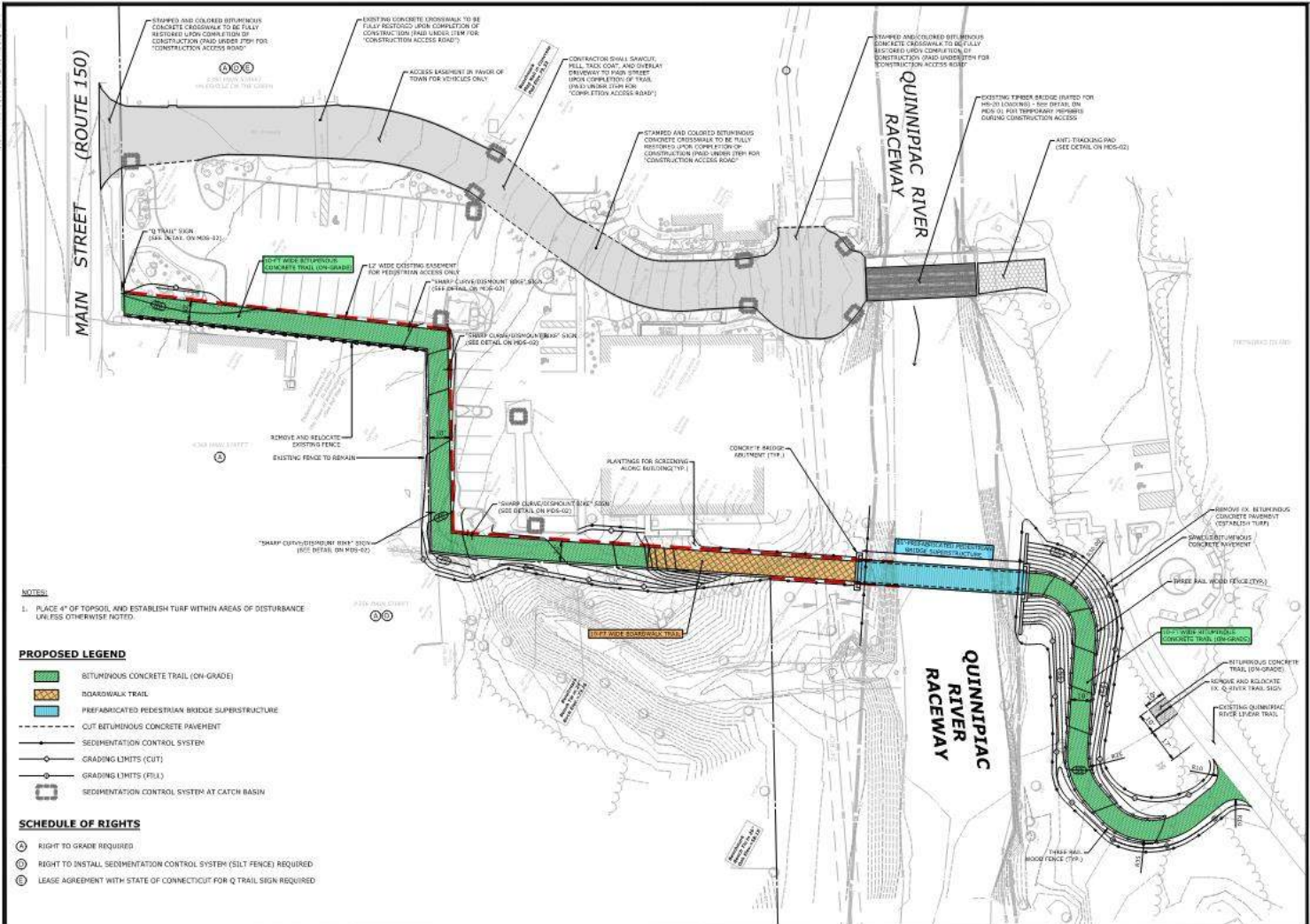




# Design Overview

**QUINNIPIAC RIVER LINEAR TRAIL  
EXTENSION – PHASE IIIB**





**NOTES**

1. PLACE 4" OF TOPSOIL AND ESTABLISH TURF WITHIN AREAS OF DISTURBANCE UNLESS OTHERWISE NOTED.

**PROPOSED LEGEND**

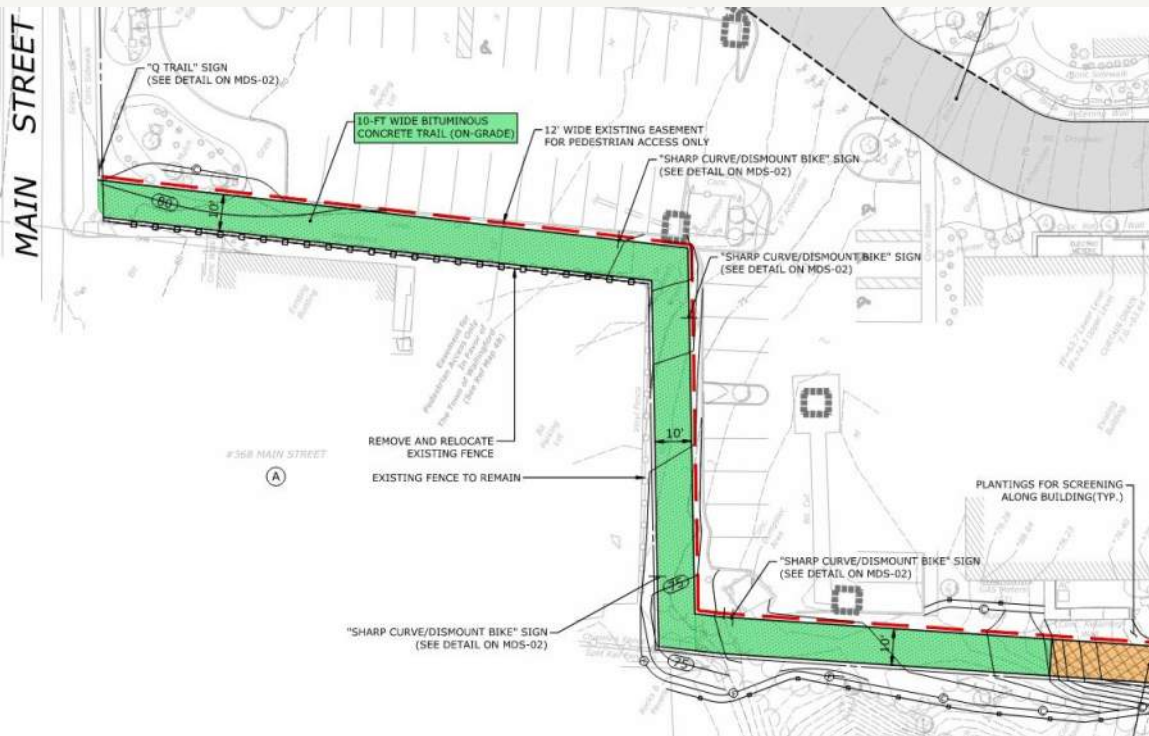
-  BITUMINOUS CONCRETE TRAIL (ON-GRADE)
-  BOARDWALK TRAIL
-  PREFABRICATED PEDESTRIAN BRIDGE SUPERSTRUCTURE
-  CUT BITUMINOUS CONCRETE PAVEMENT
-  SEDIMENTATION CONTROL SYSTEM
-  GRADING LIMITS (CUT)
-  GRADING LIMITS (FILL)
-  SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN

**SCHEDULE OF RIGHTS**

-  1. RIGHT TO GRADE REQUIRED
-  2. RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM (SILT FENCE) REQUIRED
-  3. LEASE AGREEMENT WITH STATE OF CONNECTICUT FOR Q TRAIL SIGN REQUIRED



# On-grade Trail – Section #1

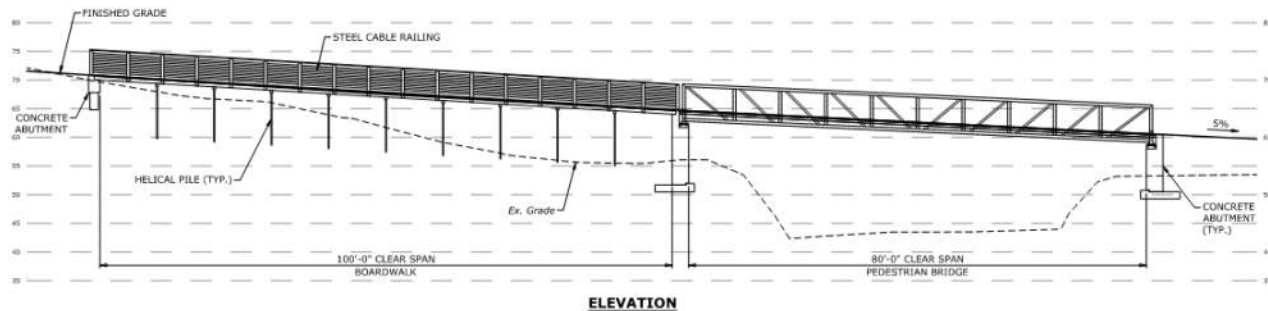
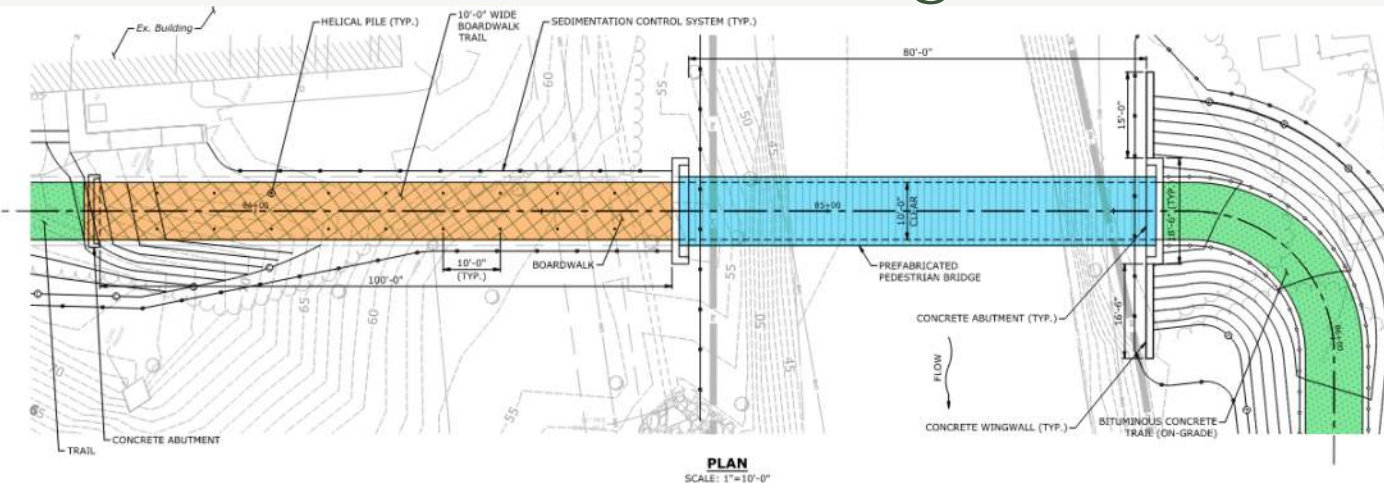


- Begins at Main Street Sidewalk
- 10-FT wide bituminous concrete trail (on-grade) with in 12-FT wide easement within 380 Main Street
- 360-FT long section
- Max profile grade of 5%
- Connects into proposed elevated boardwalk



# Elevated Boardwalk Trail – Section #2

## Prefabricated Pedestrian Bridge – Section #3



- Boardwalk
  - 103-FT long elevated boardwalk trail (10' wide)
  - Timber Framing
  - Helical piles
  - Max profile grade of 6.5%
  - 54" railing
- Bridge
  - 80-FT long pedestrian bridge (10' wide) spanning raceway
  - Max profile grade of 5.0%
  - 54" railing
  - Spans the regulated floodway so as to minimize impacts to water surface elevations
  - Connects into proposed on-grade trail



# Elevated Boardwalk Trail – Section #2

## Prefabricated Pedestrian Bridge – Section #3



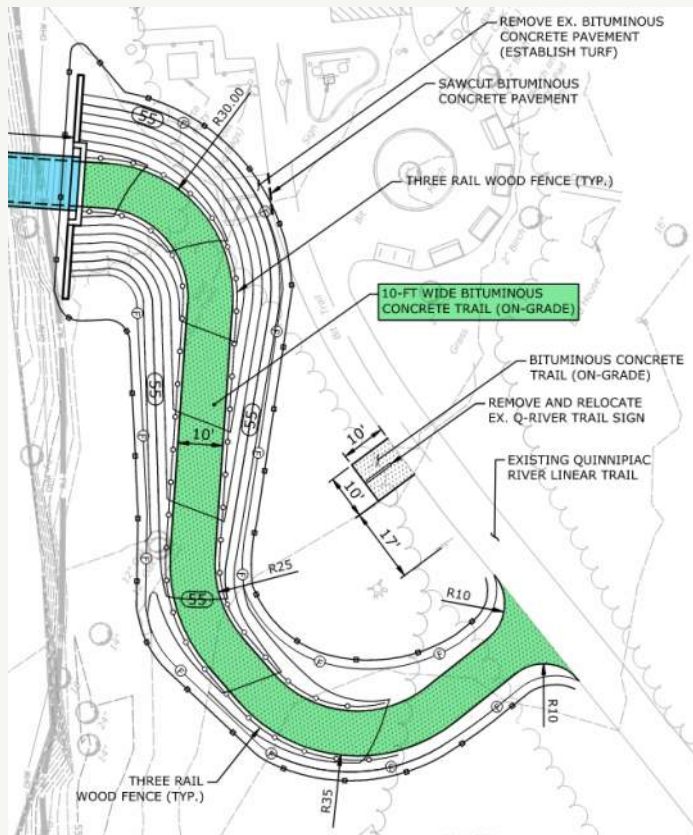
Existing QRLT  
Pedestrian Bridge Over  
Quinnipiac River



Monatiquot River Trail  
Braintree, MA



# On-grade Trail – Section #4



- 10-FT wide bituminous concrete trail (on-grade) on Fireworks Island
- 210-FT long section
- Fill approach slope of 5 percent
- Connects into existing Quinnipiac River Linear Trail near Fireworks Island Trailhead



# Accessibility

- Trail designed in accordance with Public Rights-of Way Accessibility Guidelines (PROWAG).
- Multiuser recreational trail requirements:
  - Limit running slope segments, between 5 percent and 8.33 percent
  - 2% Max Cross Slope
- The maximum proposed grade along the trail is 6.5 percent over a length of 110 feet.





# Boardwalk Screening adjacent to Condominiums

- Visual screening for both trail users and residents of the condominiums along the proposed elevated boardwalk
- Vegetative options will include a buffer of native evergreen and deciduous shrubs
- Fencing options considered will include an extended screen fence with handrail on the condominium-facing side of the boardwalk
- Specific options for screening will be discussed with the Town and Yalesville on the Green condominium board as the design progresses



View along easement adjacent to the condominiums, looking east toward raceway and Fireworks Island





# Construction Access

- Construction access to the east side of the Raceway to be provided via existing timber bridge utilized under Phase III
- Proposed design will incorporate the same protections for the timber bridge, private driveway and stamped concrete cul-de-sac owned by the condominium association.





# Utility Coordination

- Utility coordination with the utility companies is currently ongoing.
- As the design progresses, a field utility meeting will be conducted in order to convey project impacts to the various utility custodians and solicit feedback relative to design and construction requirements.
- The design will attempt to avoid or minimize impacts to utilities.





# Environmental Permits

- The project limits are located within and/or adjacent to sensitive natural resource areas.
- The Quinnipiac River raceway is located within the project area and has a FEMA-designated floodway and 100-year flood zone.
- Project area is located within a polygon area of concern for state and federal listed species; therefore, a CTDEEP NDDDB Preliminary Determination Request form shall be submitted to the Connecticut Office of Environmental Planning for review and determination.
- Federal Permits
  - None – No temporary and/or permanent discharge of fill below the ordinary high-water line of the raceway and/or adjacent federal wetlands.
- State Permits
  - CTDOT Flood Management General Certificate (FMC)
    - New structures within and/or over a FEMA-designated floodway and/or 100-year floodplain
- Local Permits
  - Wallingford Inland Wetlands and Watercourses Commission (IWWC)
    - Construction-related activities within Wallingford's 50-foot upland review area



# Rights-of-Way Impacts

- Majority of proposed construction occurs within Town-owned and State-owned property and 12-foot-wide easement in favor of the Town of Wallingford that runs along the southern property line of the 380 Main Street property
- Existing 24-foot-wide easement for vehicular access in favor of the town follows the private access drive to Fireworks Island via the existing timber bridge over the raceway (similar to previous QRLT Phase 3 Construction)
  - This route will provide for contractor access during construction
  - Existing Timber Bridge will be protected
  - Existing private access drive to be restored to original condition following construction
- No additional permanent easements required
- Temporary Rights required for construction access, screening planting, grading, erosion control, driveway reconstruction, etc.
- CTDOT Encroachment Permit required
  - Proposed Q-Trail sign located within CTDOT ROW

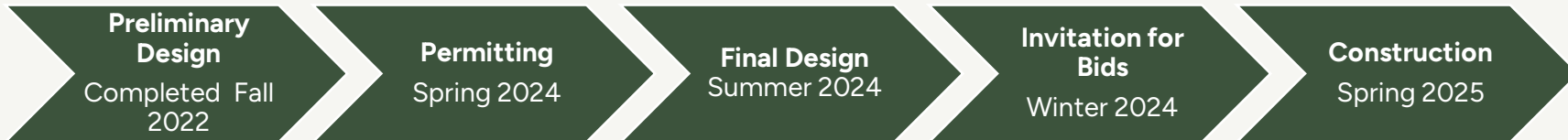


# Opinion of Probable Costs

<u>Description</u>	<u>Cost</u>
Contract Items Subtotal	\$1,120,538
Contingencies (10%)	\$112,054
Incidentals to Construction (10%)	\$112,054
<b>Subtotal</b>	<b>\$1,344,646</b>
Inflation (10%)	\$134,464.60
<b>Project Total Construction Cost (Rounded)</b>	<b>\$1,479,000</b>



# Project Schedule





Do you  
have any  
questions?



# THANK YOU!

There will be a 10-day comment period that follows the meeting, individuals may send a question or comment via email or phone

**[engineering@wallingfordct.gov](mailto:engineering@wallingfordct.gov)**  
**(203) 294-2035**







# Condominium Sight Lines

