



TOWN OF NEWINGTON

131 Cedar Street Newington, Connecticut 06111

Office of Town Engineer

Keith Chapman
Town Manager

Gary J. Fuerstenberg, P.E.
Town Engineer

October 16, 2020

CTDOT.CCGP@ct.gov

Community Connectivity Grant Program
2800 Berlin Turnpike
Newington, CT 06111

**Re: CCGP2021
CCPG Application
Main Street Sidewalk Connectivity Project
Newington, Connecticut**

Dear CCGP:

Attached is Newington's 2021 Community Connectivity Grant Program application. This project will complete a 900-foot-long gap in the sidewalk network and improve pedestrian safety and mobility in the Main Street corridor (State Route 176). This project has strong community and town council support.

Please contact me at 860-665-8572 if you need additional information or require clarification on the application and/or supporting documents.

Sincerely,

Gary J. Fuerstenberg, P.E.
Town Engineer

Enclosure: CCPG application
Attachment 1 – Site Location Map
Attachment 2 – Preliminary Engineering Plans
Attachment 3 – Schedule
Attachment 4A – Letters of Support (Town Council Resolution 2020-131)
Attachment 4B – Letters of Support from Community
Exhibit A – 2020-2030 POCD Sidewalk Plan
Exhibit B – 2020-2030 POCD Bicycle Plan
Exhibit C – Newington ADT Data (2018)
Exhibit D – Cost Estimate
Exhibit E – Photographs
Exhibit F – Public Meeting Presentation

cc: Keith Chapman, Town Manager
Craig Minor, Town Planner
File

Phone: (860) 665-8570 Fax: (860) 665-8577
engineering@newingtonct.gov
www.newingtonct.gov

APPLICATION

Phone: (860) 665-8570 Fax: (860) 665-8577
engineering@newingtononct.gov
www.newingtononct.gov

Part 2 – Application Questions

Section 1 - Identification and Documentation (15 pts.)

The Identification and Documentation criteria will provide general information about the applicant and the proposed project, as well as an endorsement by the Municipality. An application that comprehensively demonstrates the following may receive maximum points for this section:

- All information requested is complete and comprehensive
- Additional information supports project directly and includes preliminary design or comprehensive concept plans showing the proposed improvements.
- Show clear understanding of potential impacts (or enhancements) relating, but not limited, to environmental, historical, social, rights of way and/or state-owned facilities.

Applicant Municipality:

Name: Town of Newington
Tax ID (FEIN) No.: 06-6002047

Authorized Signatory Information: Note: The title of the Authorized Signatory may be changed to reflect the appropriate title with respect to your municipality's form of government (i.e., Mayor, Town Manager, First Selectman, etc.)

Full Legal Name: Keith Chapman
Title: Town Manager
Email Address: kchapman@newingtononct.gov
Telephone Number: 860-665-8510 Ext: 8512
Street Address / PO Box: 200 Garfield Street
Zip Code: 06111

Applicant Information:

Name: Gary Fuerstenberg
Telephone Number: 860-665-8570 Ext: 8572
Email Address: gfuerstenberg@newingtononct.gov

Primary Project Contact (technical lead responsible for overseeing project design)

Name: Gary Fuerstenberg

Telephone Number: 860-665-8570 Ext: 8572

Email Address: gfuerstenberg@newingtonct.gov

Project Cost / Funding Requested

Requested amount of funding for this project (cannot exceed \$600,000):

\$ 525,000.00

Complete Streets

Does your Municipality currently have a Complete Streets Policy or Plan?

Yes No In Development - please explain: _____

Project is consistent with complete street methodology and Pedestrian Plan and Bicycle Plan in POCD.

Proposed Project Information:

Project Name: Main Street Sidewalk Connectivity Project

Short description of proposed improvements:

Except for this segment, Main Street has a sidewalk the entire length of Newington. This project will fill a ~900-foot-long sidewalk gap on Main Street (Minor Arterial with ADT about 10,000 VPD).

Project location (Street name, state route number if applicable, address, GPS coordinates, etc.):

2121 through 2075 Main Street (State Route 176 - minor arterial) - between Hopkins Drive and ~500 feet north of Louis Street. See project location map, Attachment 1.

Does this project impact state-owned property? (i.e.: state facilities, state routes and/or bridges, state parks, forests or other state-owned land.) If yes, please provide the location and a brief explanation.

Yes, project impacts state-owned property. Install new sidewalk and drainage improvements in CDOT right-of-way (State Route 176) along the west side of the road. See preliminary engineering plans, Attachment 2.

Refer to the "Examples of Eligible Improvement Types" table under the "Eligible Activities" section above, and categorize (as close as possible) the top 3 most relevant types of improvement(s) that CCGP funds will be used for:

1

_____ C3 - 900 feet of new sidewalk (fill sidewalk gap) and improve pedestrian connectivity and mobility

2

3

For what type(s) of facilities does this project propose to improve connectivity to?

<input checked="" type="checkbox"/> Community/Central Business Centers	<input type="checkbox"/> Education Centers (Schools)
<input checked="" type="checkbox"/> Commercial District (Shopping/Dining)	<input type="checkbox"/> Tourist Sites
<input checked="" type="checkbox"/> Employment Centers	<input checked="" type="checkbox"/> Recreational Facilities
<input checked="" type="checkbox"/> Municipal Facilities	<input type="checkbox"/> Transit Facilities
<input checked="" type="checkbox"/> Residential	<input checked="" type="checkbox"/> Other <u>CDOT Headquarters</u>

Please submit the following additional information in digital format, as applicable:

- Site Location Map Attachment 1
- Property Boundary Map
- Comprehensive Concept Plans
- Preliminary Engineering Plans (if available) Attachment 2
- Proposed project schedule (estimate for final design completion, construction commencement and completion, etc.) Attachment 3
- Description of known potential impacts (or enhancements) relating, but not limited, to environmental, historical, natural or social resources, as well as rights-of-way and/or state-owned facilities.
- Letters of support for the project. Attachment 4

Please include any other relevant information you feel may be helpful:

1. Sidewalks connect neighborhoods. With more residents working from home (working remotely), more people appear to be using Town sidewalks for exercise/recreation and transportation. Town Council supports this project.

2 2020-2030 Plan of Conservation and Development (POCD): This project is a high priority sidewalk in the 2020-2030 POCD sidewalk plan (Exhibit A). This project will complete a long gap in the Town of Newington sidewalk network and increase pedestrian safety, mobility and connectivity. TON and CDOT considered incorporating bike lanes into the pavement striping plan as a part of resurfacing this part of SR176 in 2018. No bike lanes were added, consistent with the 2020-2030 POCD Bicycle Plan (Exhibit B), because of the narrow pavement width, high speed (40 MPH), and high traffic volume (about 10,000 VPD - Exhibit C).

3. Town Of Newington plans to implement several recommendations in the 2016-2017 RSA as part of the 2018 Community Connectivity Grant and as part of the new Town Hall project. The RSA was limited to the Town Center. This project is outside the Town Center area and outside the limits of the area assessed for the RSA. Project does not impact wetlands or upland review area. Photographs of the project corridor are included as Exhibit E.

Endorsement and Recommendation of Project

The following page titled "Endorsement and Recommendation of Project by the Municipality" must be completed and signed to certify that the project is endorsed and supported by the Municipality. This document must be signed and included for the application to be considered complete.

Endorsement and Recommendation of Project by the Municipality

This page must be read and signed by the Authorized Signatory of the Municipality in order for the municipality/project to be considered for CCGP funding.

My signature below, as Authorized Signatory of the Municipality of, Newington
indicates acceptance of the following and further certifies that:

1. I understand that should this grant application be approved, I will be required to sign an assistance agreement/contract with the assigned administering agency delineating the terms and conditions of this grant;
2. I will comply with any grant terms and conditions required by the administering agency;
3. I understand that various permits may be required by the administering agency or other agencies as required by either the Connecticut General Statutes or Connecticut regulations, or federal law;
4. I understand that funding associated with this grant application is one-time in nature and that there is no obligation for additional funding from the Connecticut Department of Transportation;
5. I understand that if this project warrants a Connecticut Environmental Policy Act (CEPA) review pursuant to Sections 22a-1 through 22a-1h of the Connecticut General Statutes that I will comply with such an environmental assessment. Further, if a CEPA is required, I understand that there are costs associated with such a review and that the Municipality is in a position to continue with the proposed project despite this cost;
6. I understand that this application will be examined by the Connecticut Department of Transportation for consistency with the State Plan of Conservation and Development and that I may be contacted if additional information is required for that review;
7. I understand that projects which convert twenty-five or more acres of prime farmland to a nonagricultural use will be reviewed by the Commissioner of Agriculture, in accordance with Section 22-6 of the Connecticut General Statutes; and
8. I will supply the Connecticut Department of Transportation with all documentation supporting my authority to enter into an assistance agreement, including but not limited to applicable certified minutes and by-laws from the Municipality denoting my authority to apply for the grant and the authority to enter into such an agreement should a grant be awarded.
9. I understand that if this application leads to the award of a CCGP funding for this project, that no payment will be made for project expenses incurred prior to the start date or after the end date (as set forth in the fully executed contract), without advance written approval by the administering state agency.
10. I have read, in full, the Connecticut Community Connectivity Grant Program (CCGP) Project Administration Guide and Application.

Keith Chapman
Authorized Signatory's Name (Please Print) _____

Town Manager
Title _____

Signature _____ Date 9/28/2020

Section 2 – Description of Project and Purpose and Need (20 pts.)

Provide a description of the proposed improvements as well as the purpose and need of the project. Please be as comprehensive as possible in the description of the planned activities. The purpose and need for the project should include the specific needs that will be satisfied and expected outcomes resulting from undertaking the project. It should also show how it relates to established goals and strategic plans for the community. An application that comprehensively demonstrates the following may receive maximum points for this section:

- Project description should be clear and detailed so that a reviewer can easily understand the proposed improvements.
- Should be specific and clearly define what the intended purpose and need is within the context of the community and why this project is critical to achieving the purpose and need.
- Describe how this project can stimulate additional investment, leverage other resources, and/or fits into local or regional initiatives.
- Project is shown to complement local and/or regional plans such as Complete Streets

Project Description: Proposed improvements are shown on the preliminary engineering drawings (Attachment 2). Construct ~900 feet of new sidewalk to complete a gap in the sidewalk network on State Route 176 (Main Street) with ADT about 10,000 vehicles per day (Exhibit C). Install accessible ramps and tactile pads at transfer station entrance. Install drainage improvements consisting of curb and catch basin (where none exist). Grade sidewalk corridor to promote sidewalk drainage. An 8- to 10-foot-wide snow shelf (green strip) will separate the road and new sidewalk to provide pedestrian safety.

Project Purpose and Need: High traffic volume (Exhibit C) and speed (40 MPH) and narrow pavement are an impediment to pedestrian safety and connectivity/mobility in this corridor. This project: 1) completes a ~900-foot-long gap in the sidewalk network on State Route 176, thus improving pedestrian safety, connectivity and mobility, and 2) links residential neighborhoods to commercial/employment districts and recreational areas including: Churchill Park/Pool, Newington Center, Government Center, Berlin Turnpike commercial district as well as jobs associated with those developments.

Leverage Other Resources: CDOT is considering constructing ~200 feet of new sidewalk to fill the gap in the sidewalk network on State Route 176 (Main Street) between Louis Street and Berlin Turnpike as part of CDOT project 007-250. These projects provide continuous sidewalk along Main Street (SR 176) to the Berlin turnpike (US Route 5).

Compliment Local/Regional Plans: Project is consistent with Town of Newington Sidewalk Plan and Bicycle Plan in the 2020-2030 Plan of Conservation and Development and improves pedestrian mobility and safety in the project corridor. Town will maintain sidewalk; Park and Recreation Department will remove snow/ice and cut grass fronting Town of Newington property (~700 feet).

Section 3 –Safety and Accessibility (30 pts.)

How does this project address a known safety concern and allow for better connectivity as it relates to users of the transportation system? The impact on Safety and Accessibility section provides the opportunity for applicants to describe how the project in their Municipality will propose to improve safety and accessibility for the community. An application that comprehensively demonstrates the following may receive maximum points for this section:

- This section should clearly describe the immediate and long-term impact on safety and connectivity within the community.
- Narrative should demonstrate how the proposed improvement is directly related to the Safety and Accessibility objective of the program as stated in Part 1
- Data² is provided to demonstrate how the program objective will be achieved through this project.

Safety Impact: No sidewalk (~900-foot-long sidewalk gap), uneven ground surface with poison ivy behind the curb, and guide rail along the edge of pavement require pedestrians to share the busy road with vehicles. Sidewalk will provide a safe corridor for pedestrians separated from vehicles instead of sharing the road in state route 176 (ADT about 10,000 VPD - Exhibit C) or traversing uneven ground with poison ivy ground cover.

Connectivity/Accessibility Impact: Sidewalks connect neighborhoods. This sidewalk links residential neighborhoods to commercial districts and recreational areas including: Churchill Park and Pool, Newington Center, Government Center, Berlin Turnpike commercial district as well as jobs associated with those developments.

Program Objective: Completing the sidewalk gap will provide safety for pedestrians on Main Street and provide connectivity for pedestrians in the project corridor. Pedestrians avoid this corridor because no sidewalk is available for safe passage to residential neighborhoods, commercial districts and recreational areas along the project corridor.

Crash Data - No pedestrian/bicycle-vehicle crashes were reported in the past 3 years is indicative of pedestrians/bicycles avoiding this corridor and not indicative of obvious pedestrian/bicycle safety defects. Crash data does not consider close calls and near misses (which I have experienced). "A near miss today could be an accident tomorrow".

² Applicants are encouraged to use available data including the Connecticut Crash Data Repository, and any other sources including local police crash records, public works complaints & LTA concerns.

Section 4 – Transportation Equity (30 pts.)

How does this project align with existing values and promote equity within the community? The Transportation Equity criteria should clearly demonstrate how the proposed project will promote equity within the context of the community. An application that comprehensively demonstrates the following may receive maximum points for this section:

- Clearly define how the proposed project will create opportunities for residents and businesses by providing equitable levels of access to affordable and reliable transportation, including underserved communities within the project area.
- Language should clearly describe how the project fits the context of the area and provides a benefit to the local community.
- Narrative should demonstrate how the proposed improvement is directly related to the Equity objective of the program as stated in Part 1
- Demonstrate support within the community for the proposed improvements.
- Data³ is provided to demonstrate how the program objective will be achieved through this project.

Opportunity for Residents and Business: This project increases pedestrian safety for residents and increases pedestrian mobility and connectivity to business in Newington. Project will link residential neighborhoods to commercial districts and government center.

Benefit Local Community: No sidewalk (~900-foot-long sidewalk gap), uneven ground surface with poison ivy behind the curb, and guide rail along the edge of pavement require pedestrians to share the busy road (State Route 176) with vehicles. Sidewalk will provide a safe corridor for pedestrians separated from vehicles instead of sharing the road in State Route 176 (ADT about 10,000 VPD - Exhibit C) or traversing uneven ground with poison ivy ground cover.

Access to transportation. This project will improve pedestrian access to existing CTtransit routes on the Berlin Turnpike, Robbins Avenue, Cedar Street, and the upper portion of Main Street (north of Robbins Avenue). No CTtransit routes use Main Street south of Robbins Avenue. Once the sidewalk is constructed, CTtransit could consider a bus route in the project corridor.

Underserved Communities: This stretch of sidewalk stars directly across the street from “Hopkins Village”, Newington’s sole owner-occupied affordable housing development. The houses in Hopkins Village are the 36 “Deed Restricted Units” reported in the annual “Affordable Housing Appeals List”. This sidewalk will provide residents of Hopkins Village with a safe route to nearby jobs, shops, and services on the Berlin Turnpike.

Support Within Community:

- 1) Project is consistent with the 2020-2030 POCD (sidewalk plan and bicycle plan).
- 2) Newington Town Council Resolutions 000 and 000 support the project (Attachment 4A).
- 3) Newington Town Manager.
- 4) Newington Public Works Department.
- 5) Newington has invested heavily in sidewalk improvements in Newington Center and throughout Town.
- 6) 6 October 2020 public meeting (Presentation is included as Exhibit F).
- 7) Residents (Attachment 4B)

Previous Sidewalk Improvements: Over the past 15 years, the Town of Newington has spent about \$2.5M on streetscape projects in Newington Center. The Town of Newington is coordinating streetscape improvements in the Elm Hill neighborhood. The referenced streetscape projects and this project coordinate to improve pedestrian safety, mobility and connectivity in Newington.

³ Applicants are encouraged to use available data including Environmental Justice Community Mapping available on the CTDOT website, Census Data, and other data including state, federal, or local sources.

Section 5 – Cost Estimate (5 pts.)

This information should answer the question of whether the project can be realistically completed within the proposed grant amount. Cost estimates are the primary form of providing this information and will be evaluated for their demonstrated ability to achieve the Program objective. For example, an infrastructure project application with evidence of scoping and/or preliminary engineering work can be expected to increase confidence in the resulting estimate. A detailed cost estimate shall be submitted with this application. A sample cost estimate form can be found on the Community Connectivity Program webpage at: <http://ctconnectivity.com/ccgp/>. An application that comprehensively demonstrates the following may receive maximum points for this section:

Exhibit D

- Cost estimates should provide enough detail and accuracy to demonstrate that the proposed project can realistically be accomplished within the requested grant amount.
- Cost estimate must show that reasonable thought went into the planning of the proposed improvements.
- Major construction items should be included to demonstrate comprehension of the complexity of the overall project.

Detail and Accuracy: Cost estimate (Exhibit D) was prepared using CCGP cost estimate template. Town has experience using LOTCIP cost estimate method (similar template). Based on level of effort in preliminary design (Attachment 2), Town of Newington has a high level of confidence work can be completed with the requested grant funds.

Reasonable Thought: Cost estimate is not based on concept; cost estimate is based on preliminary design (Attachment 2) which has been prepared by Town staff with about 100 years combined engineering and construction experience.

Major Quantities: Comprehensive cost estimate includes 36 major items. Quantities obtained from CAD software and rounded up for a conservative approach. Cost Estimate was peer reviewed by Town Engineer.

Attachment 1

Site Location Map



Town of Newington, CT

SITE LOCATION MAP Main Street Sidewalk Connectivity Project

This map is for planning purposes only. Verification of its accuracy, currency and completeness is the responsibility of the reader's own independent research. Neither the Town of Newington nor any of its consultants shall be held liable for any loss, damages or claims made solely as a result of anyone referring to this map.



Map Legend

Parcels

BA SEMI MAP LEGEND	
<input type="checkbox"/>	Centelines
<input type="checkbox"/>	Local Roads
<input type="checkbox"/>	Major Roads
<input type="checkbox"/>	Highways
<input type="checkbox"/>	Pool
<input type="checkbox"/>	Deck
<input type="checkbox"/>	Railroad
<input type="checkbox"/>	Sidewalks
<input type="checkbox"/>	Driveways
<input type="checkbox"/>	Paved Roads
<input type="checkbox"/>	Streams
<input type="checkbox"/>	Marsh/Wetlands
<input type="checkbox"/>	Water
<input type="checkbox"/>	Vegetation

Attachment 2

Preliminary Engineering Plans

Phone: (860) 665-8570 Fax: (860) 665-8577
engineering@newingtononct.gov
www.newingtononct.gov



MAIN STREET SIDEWALK CONNECTIVITY PROJECT

TOWN OF NEWINGTON NEWINGTON, CONNECTICUT

STATE PROJECT NO. L0170-XXXX

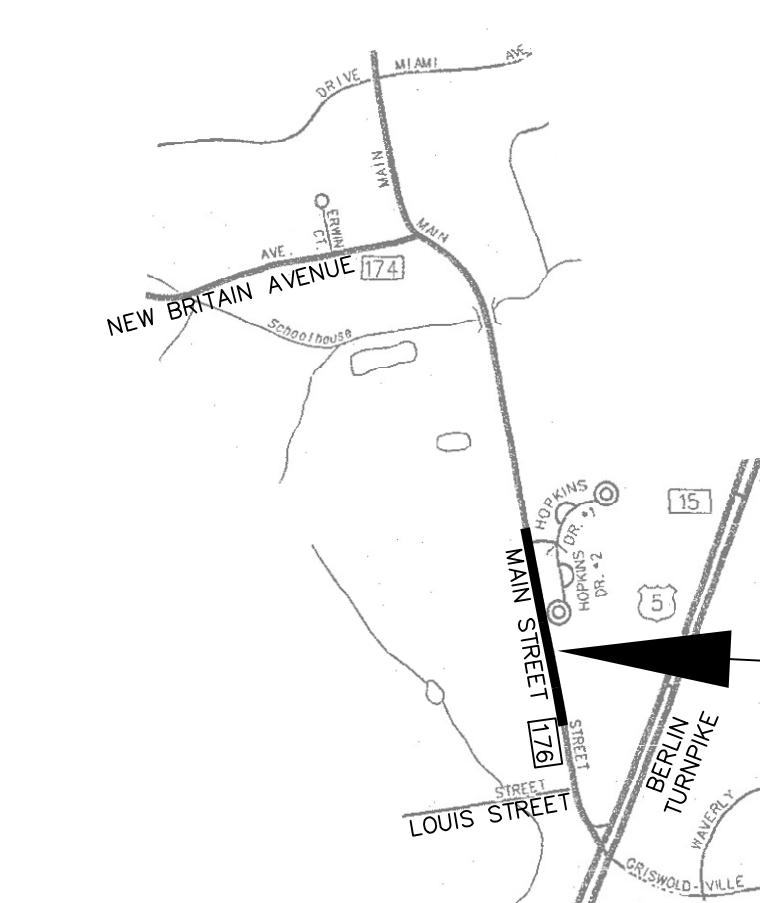
OCTOBER 2020



EXISTING

PROPERTY LINE	EDGE OF PAVEMENT
BITUMINOUS CURB	INDEX CONTOUR
INTERMEDIATE CONTOUR	SPOT ELEVATION
72.9	WATERCOURSE
72.9	INLAND WETLAND LIMITS
72.9	UPLAND REVIEW LINE
72.9	STORM DRAIN
72.9	TREE LINE
72.9	EDGE LINE
72.9	DOUBLE YELLOW CENTER LINE
72.9	GUIDELINE
72.9	SILENCE
72.9	STOP LINE
72.9	PROJECT LIMIT
72.9	CLEARING LIMIT
72.9	MAIL BOX
72.9	CATCH BASIN
72.9	UTILITY POLE
72.9	UTILITY POLE WITH GUY
72.9	WATER VALVE
72.9	SANITARY MANHOLE
72.9	HYDRANT
72.9	HOUSE NUMBER
72.9	TREE
72.9	PROPERTY ACQUISITION AREA
72.9	CONCRETE WALK
72.9	BITUMINOUS APRON
72.9	TOPSOIL, SEED AND MULCH
72.9	CROSSWALK

PROPOSED



DRAWING INDEX:

- 1 TITLE
- 2 SIDEWALK LAYOUT
- 3 DETAILS

FOR GRANT APPLICATION
NOT FOR CONSTRUCTION
10 / 05 / 2020

DESIGNED BY:
TOWN OF NEWINGTON

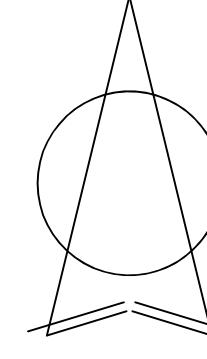
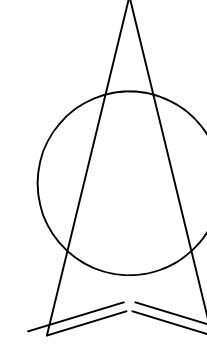
GARY J. FUERSTENBERG
TOWN ENGINEER
P.E. NO. 21892

MAIN STREET SIDEWALK CONNECTIVITY PROJECT
PREPARED FOR
TOWN OF NEWINGTON
NEWINGTON, CT 06111

TOWN OF NEWINGTON
ENGINEERING DEPARTMENT

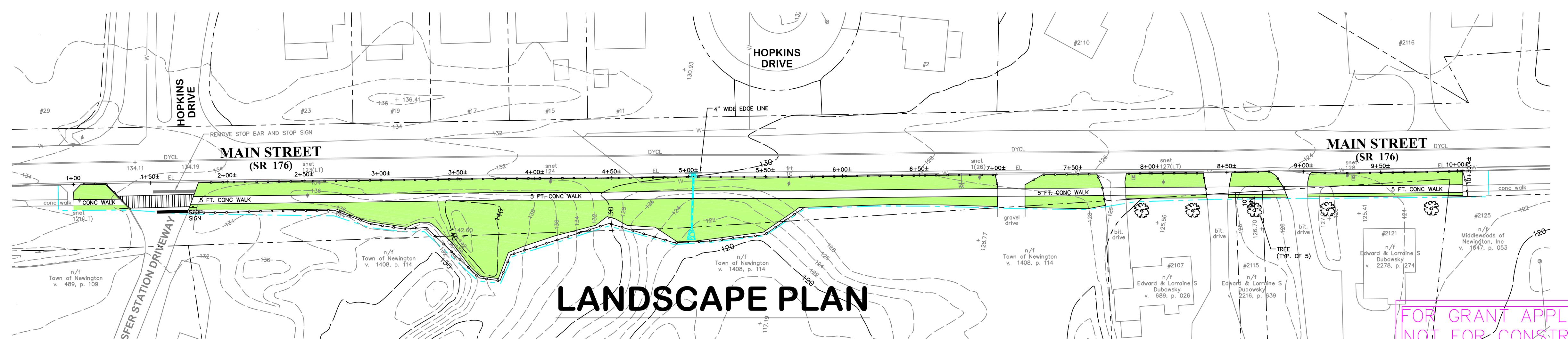
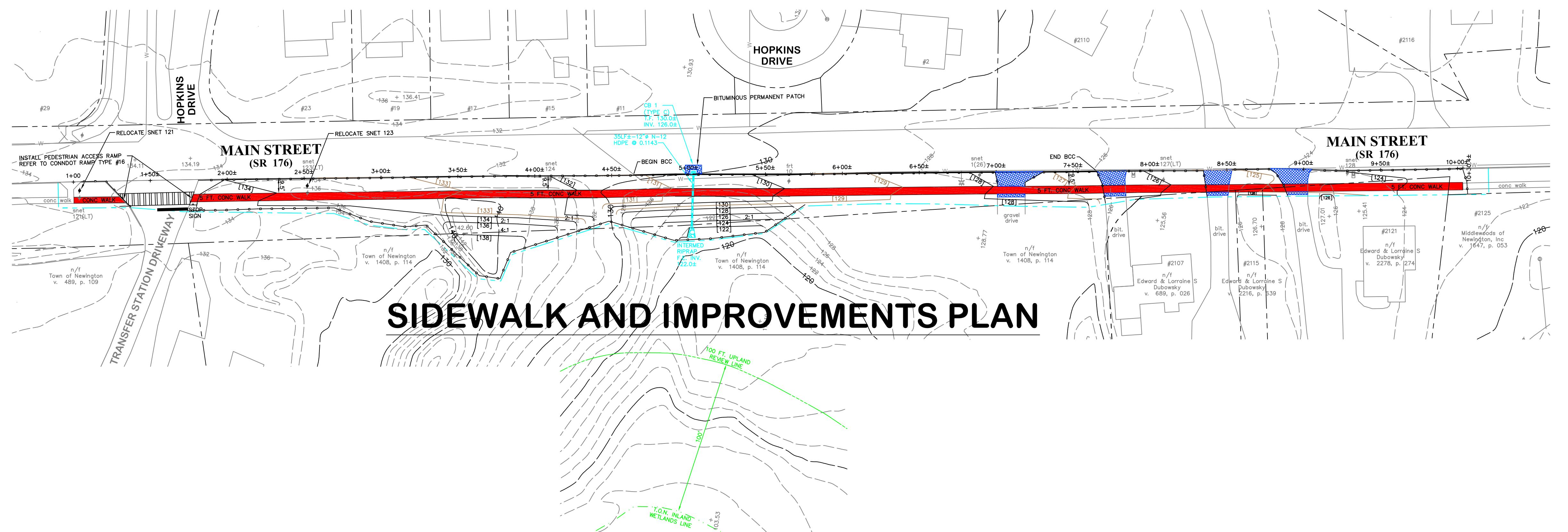
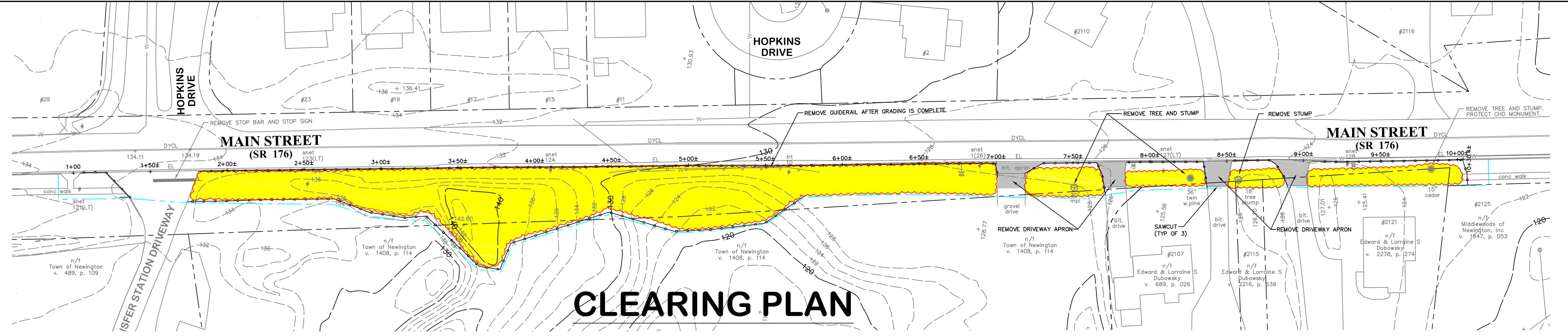
200 GARFIELD STREET
NEWINGTON, CT 06111

REVISIONS:



DATUMS:
HORIZONTAL NAD 83
VERTICAL NAV 88

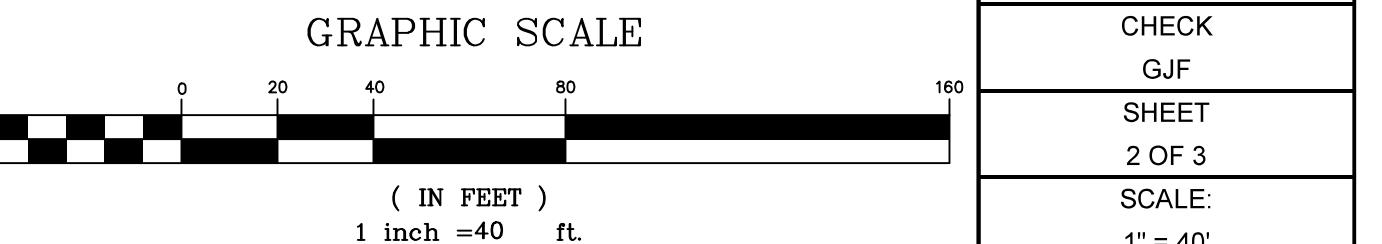
PROJECT
Main Street Sidewalk
DATE
10 / 05 / 2020
DRAWN
JHD
CHECK
GJF
SHEET
1 OF 3
SCALE:
AS NOTED



EXISTING CONDITIONS NOTES:

- ROAD AND UTILITY LOCATIONS ARE APPROXIMATE AND COMPILED FROM RECORD RESEARCH AND MAPPING FROM TOWN OF NEWINGTON GIS, MDC DRAWINGS AND CNG DRAWINGS (NOT SURVEYED).
- BASE MAP IS NOT TO BE CONSTRUED AS A FIELD SURVEY, AND IS SUBJECT TO SUCH CHANGE AS A FIELD SURVEY MAY DISCLOSE.
- HORIZONTAL DATUM: NAD83; VERTICAL DATUM: NAVD88
- COMMUNICATION, WATER AND GAS VALVES OR MANHOLES NOT SHOWN.
- NOTIFY THE ENGINEER OF ANY DISCREPANCY OBSERVED IN THE FIELD.
- TOWN OF NEWINGTON WILL OBTAIN CTDOT ENCROACHMENT PERMIT FOR WORK IN CTDOT RIGHT-OF-WAY.
- TOWN OF NEWINGTON WILL SPECIFY 100'x100' AREA WITHIN TRANSFER STATION FOR CONTRACTOR USE. RESTORE AREA AT CONCLUSION OF PROJECT.
- PROTECT RELOCATED UTILITY POLES AND UTILITY POLES TO REMAIN.

FOR GRANT APPLICATION
NOT FOR CONSTRUCTION
10 / 05 / 2020



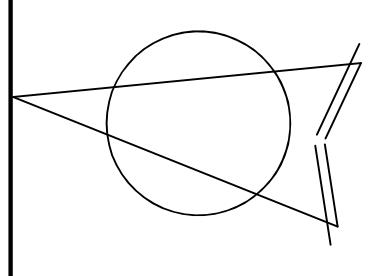
TOWN OF NEWINGTON
SIDEWALK LAYOUT PLAN
STREET SIDEWALK CONNECTIVITY PROJECT
MAIN STREET (SR 176)

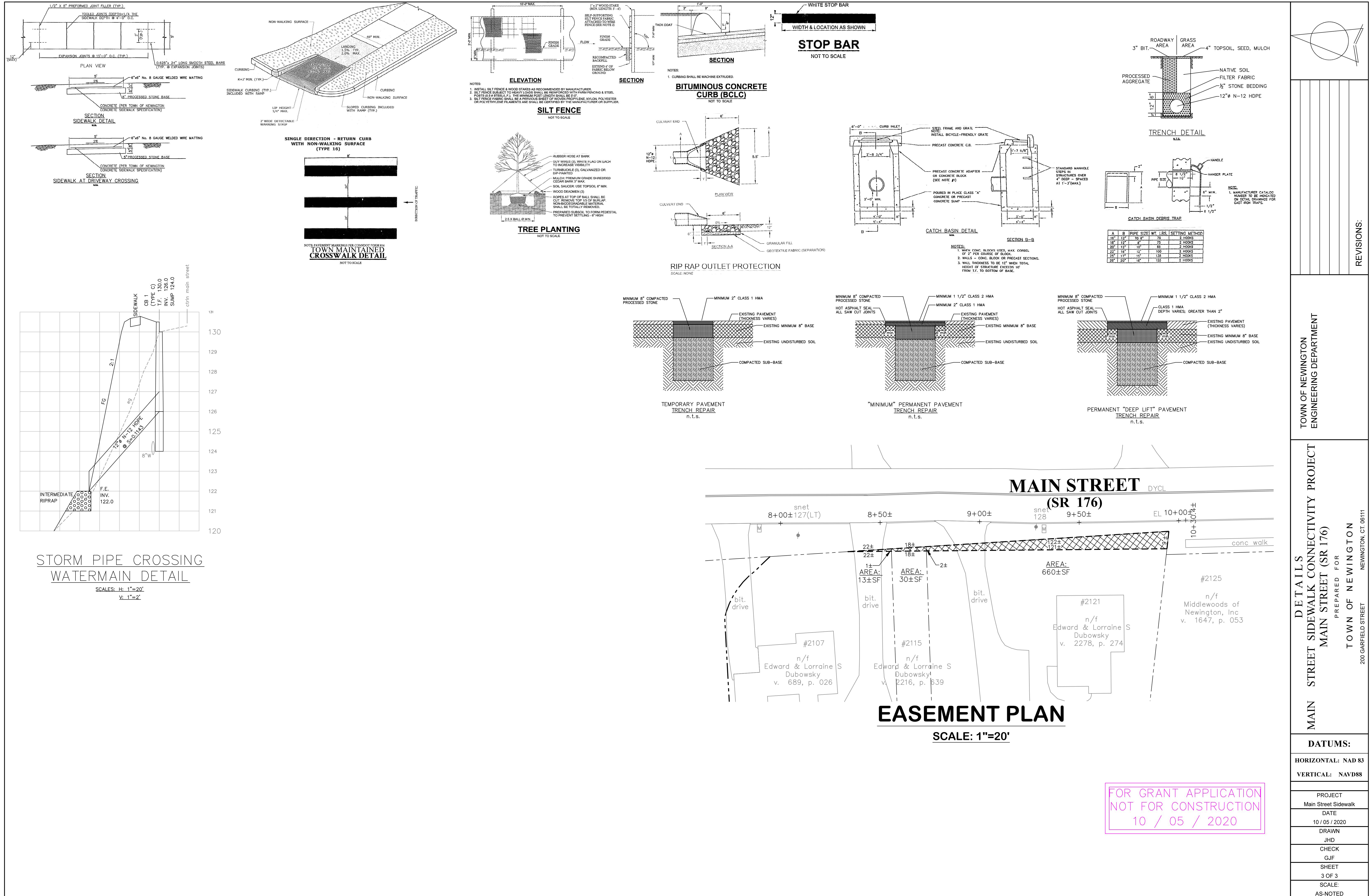
PREPARED FOR
TOWN OF NEWINGTON
NEWINGTON, CT 06111

200 GARFIELD STREET

200 GARFIELD STREET

REVISIONS:





Attachment 3

Schedule

Phone: (860) 665-8570 Fax: (860) 665-8577
engineering@newingtononct.gov
www.newingtononct.gov

Community Connectivity Grant Program

Preliminary Project Schedule

Town Name: Newington

Project Name: Main Street Sidewalk Connectivit Project

Description	Duration	Estimate Date	
Prepare CCGP Application	1 month	Fall 2020	Application due - 16 October 2020
CCPG Selection	TBD	Fall 2020	
Commitment to Funding	TBD	Winter 2021	
Prepare Final Design	6 months	Winter-Spring 2021	Coordinate Design with CDOT
Utility Coordination	2 months	Spring 2021	
CDOT Encroachment Permit	2 months	Summer 2021	Coordinate with CDOT District 1
Prepare Bidding Documents	2 months	Fall 2021	
Bidding	2 months	Winter 2022	
Select Contractor	2 months	Spring 2022	Target Completion - 30 September 2022

Attachment 4A

Letters of Support (Town Council Resolution 2020-131)



Keith Chapman
Town Manager

TOWN OF NEWINGTON

131 Cedar Street Newington, Connecticut 06111

Office of the Town Clerk

James E. Krupienski CCTC
Town Clerk

CERTIFICATION OF TOWN COUNCIL RESOLUTION

I, James E. Krupienski, Town Clerk of the Town of Newington, a municipal corporation organized and existing under the law of the State of Connecticut, Do Hereby Certify the attached to be a true and correct copy of Resolution #2020-131 & Resolution #132, duly adopted at a meeting of the Newington Town Council held and convened on October 13, 2020. During which meeting a duly constituted quorum of the Town Council was present and acting throughout, and such Resolution has not been modified, repealed, or rescinded and is at present in full force and effect.

IN WITNESS WHEREOF, the undersigned has affixed his signature and the Seal of the Town of Newington this 16th day of October, 2020.

ATTEST:


James E. Krupienski, CCTC
Newington Town Clerk

AGENDA ITEM: VII.A1
DATE: 10/13/2020
RESOLUTION NO. 2020-131

RESOLVED:

The Newington Town Council, in accordance with §11 of the Town Council, Rules of Procedure, adopted February 11, 2020, hereby moves to allow action on Agenda Item VII.A to authorize Keith Chapman, Town Manager to execute the Endorsement & Recommendation of the Connecticut Connectivity Community Grant Program.

MOTION BY: Councilor Nagel
SECONDED BY: Councilor Anest
VOTE: 9-0 (roll call vote)

AGENDA ITEM: VII.A2
DATE: 10/13/2020
RESOLUTION NO. 2020-132

RESOLVED:

The Newington Town Council, hereby authorizes Keith Chapman, Town Manager to execute the Endorsement & Recommendation of the Connecticut Connectivity Community Grant Program, for the Main Street Sidewalk Connectivity Project.

MOTION BY: Councilor Anest
SECONDED BY: Councilor Manke
VOTE: 9-0 (roll call vote)

Attachment 4B

Letters of Support (Community)

Fuerstenberg, Gary

From: Neil Pade <n_pade71@yahoo.com>
Sent: Friday, October 02, 2020 11:53 AM
To: Fuerstenberg, Gary
Subject: Main Street Sidewalk CCPG Proposal

Hello Mr. Fuerstenberg,

My family and I are Newington residents. While not immediately near the proposed sidewalk extension, my family (which consists of children currently in middle school and high school) routinely bike and walk throughout the Town as a means of getting around whenever possible. We have routinely visited the various community facilities the town offers without the use of a car, including community facilities along this stretch of Main Street.

I have reviewed the proposed sidewalk connection and believe that it will be a positive enhancement to the Town's infrastructure for people who walk. It will connect an additional portion of our community to the existing Main Street sidewalk system and all the connections that currently exists through it.

I understand this particular grant program funds 100% of the construction costs of improvements of this nature. As a taxpayer I would encourage the Town to continue to identify and pursue additional similar opportunities that will continue to enhance the Town of Newington as a livable, walk-able and bike-able community for the people who choose to work here and/ or make it their home.

Thanks for everything you are doing,

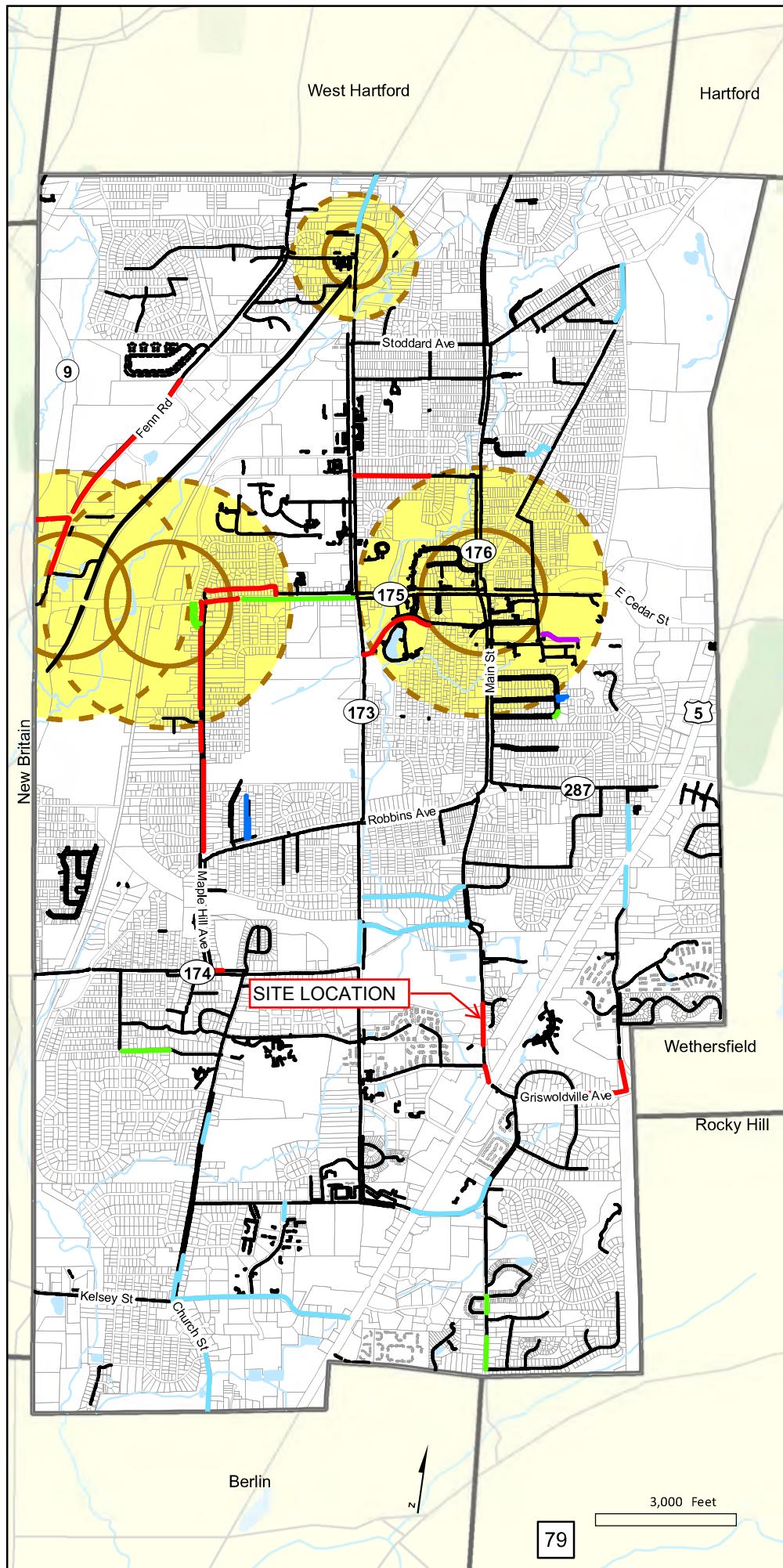
Neil S. Pade
211 Eddy Lane
Newington CT 06111

Exhibit A

2020-2030 POCD Sidewalk Plan

POCD 2020-2030 Pedestrian Plan

Newington, CT



Pedestrian Facilities

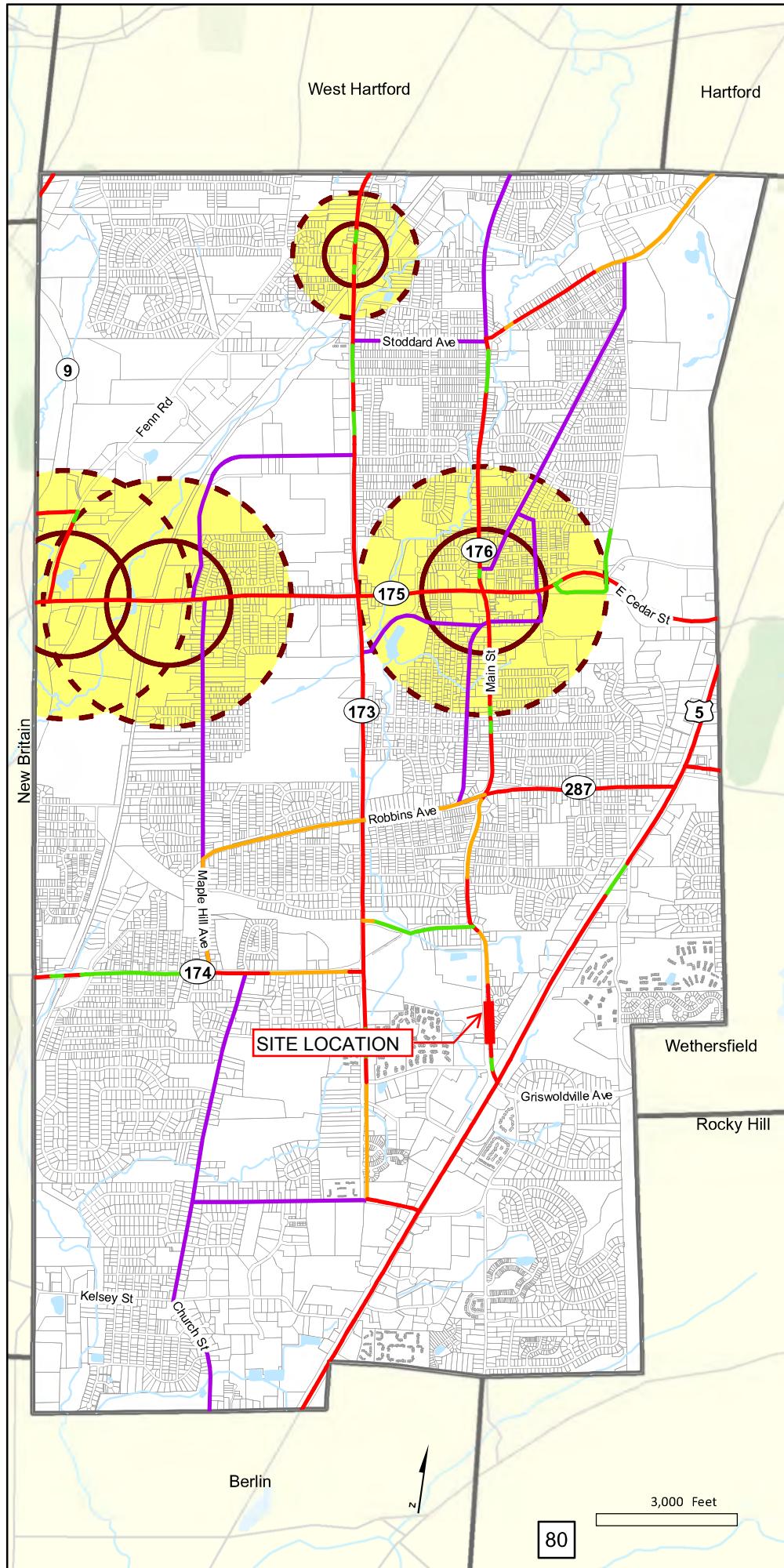
- Current Sidewalk
- Future Sidewalk
 - High Priority
 - Medium Priority
 - Low Priority
 - Sidewalk to be removed
 - Sidewalk to be replaced
- Core Area / Walk Radius
- Fringe Area / Walk Radius

Exhibit B

2020-2030 POCD Bicycle Plan

POCD 2020-2030 Bicycle Plan

Newington, CT



Possible Bicycle Routes (State Roads)

— Most Suitable

— Suitable

— Less Suitable

Possible Bicycle Routes (Local Roads)

— Local Bicycle Route

Core Area / Walk Radius

Fringe Area / Walk Radius

Exhibit C

Newington ADT Data (2018)

Exhibit D

Cost Estimate

Phone: (860) 665-8570 Fax: (860) 665-8577
engineering@newingtononct.gov
www.newingtononct.gov

Community Connectivity Grant Program

Preliminary Construction Cost Estimate

Town Name: Newington

Project Name: Main Street Sidewalk Connectivit Project

Major and Minor Contract Items

Item / Description	Unit	Quantity	Unit \$	Total Cost
Clearing and Grubbing	SY	1,600	\$ 10.00	\$ 16,000.00
Remove Tree and Stump (front yard)	EA	4	\$ 2,000.00	\$ 8,000.00
Remove Select Trees Near Overhead Wires (wooded area)	DAYS	2	\$ 4,000.00	\$ 8,000.00
Remove Guide Rail	LF	150	\$ 10.00	\$ 1,500.00
Remove Bituminous Driveway Apron	SY	150	\$ 20.00	\$ 3,000.00
Relocate Utility Pole	EA	2	\$ 15,000.00	\$ 30,000.00
Earth Excavation < 500 CY	CY	800	\$ 48.00	\$ 38,400.00
Earth Excavation 500 CY to 5000CY	CY		\$ 36.00	\$ -
Earth Excavation > 5000 CY	CY		\$ 20.00	\$ -
Borrow < 1000 CY	CY	800	\$ 46.00	\$ 36,800.00
Borrow > 1000 CY	CY		\$ 34.00	\$ -
Subgrade Formation (sidewalk)	SY	500	\$ 3.00	\$ 1,500.00
Concrete Sidewalk (5' wide - 5" thick)	SF	3,900	\$ 24.00	\$ 93,600.00
Concrete Sidewalk (5' wide - 8" thick) at driveway	SF	400	\$ 30.00	\$ 12,000.00
Concrete Sidewalk Ramps	SF	100	\$ 40.00	\$ 4,000.00
Saltguard	SF	4,300	\$ 1.00	\$ 4,300.00
Tactile Pad	EA	2	\$ 300.00	\$ 600.00
Sawcut Bituminous Pavement	LF	200	\$ 5.00	\$ 1,000.00
Tack Coat for curb	LF	300	\$ 1.00	\$ 300.00
Bituminous Curb	LF	300	\$ 24.00	\$ 7,200.00
Full Depth Road Construction (at catch basin patch)	SY	5	\$ 230.00	\$ 1,150.00
Bituminous Concrete Driveway (4 driveways)	SY	100	\$ 45.00	\$ 4,500.00
4" Epoxy Resin Pavement Striping	LF	25	\$ 15.00	\$ 375.00
Epoxy Resin Crosswalk & Stopbar	SF	400	\$ 5.00	\$ 2,000.00
Catch Basin	EA	1	\$ 3,800.00	\$ 3,800.00
Catch Basin Top	EA	1	\$ 600.00	\$ 600.00
HDPE Pipe - 12 inch	LF	40	\$ 70.00	\$ 2,800.00
HDPE Pipe - 12 inch flared end	EA	1	\$ 600.00	\$ 600.00
Trench Ecavation (pipe and catch basin)	CY	50	\$ 26.00	\$ 1,300.00
Bedding material (< 100 cy)	CY	50	\$ 40.00	\$ 2,000.00
Rip-Rap - Intermediate	CY	2	\$ 420.00	\$ 840.00
Sediment Control (Silt Fence)	LF	1,000	\$ 6.00	\$ 6,000.00
Stop Sign and post	EA	1	\$ 500.00	\$ 500.00
Topsoil (furnished and installed)	SY	2,000	\$ 9.00	\$ 18,000.00
Turf Establishment	SY	2,000	\$ 3.00	\$ 6,000.00
Street Tree	EA	10	\$ 500.00	\$ 5,000.00
TRAFFICPERSON (MUNICIPAL POLICE OFFICER)	HR	200	\$ 75.00	\$ 15,000.00
TRAFFICPERSON (UNIFORMED FLAGGER)	HR	200	\$ 55.00	\$ 11,000.00
Construction Inspection/Testing and Oversight	LS	1	\$ 20,000	\$ 20,000.00
				\$ -
A Major Items Subtotal				\$ 367,665
B Minor Items	(suggested 0% - 10%)	4.5	% of Line "A"	\$ 16,545
C Major and Minor Contract Items Subtotal (A + B)				\$ 384,210

Other Lump Sum Items (As Needed)

Clearing and Grubbing	(suggested 0% - 2%)	2.0	% of Line "C"	\$ -
M & P of Traffic	(suggested 0% - 5%)		% of Line "C"	\$ 7,684
Mobilization	(suggested 2% - 10%)		% of Line "C"	\$ 38,421
Construction Staking	(suggested 0% - 2%)		% of Line "C"	\$ 7,684
D Other Items Subtotal				\$ 53,789

E TOTAL CONTRACT COST ESTIMATE (C + D) (Rounded to nearest \$1000)

CCGP Project Costs Summary				
Contract Cost Estimate (Line "G")				\$ 437,999
Contingencies	(suggested 0% - 10%)	10%		\$ 43,800
Incidentals	(suggested 0% - 10%)	10%		\$ 43,800
TOTAL PROJECT COST				\$ 525,599

Exhibit E

Photographs

Phone: (860) 665-8570 Fax: (860) 665-8577
engineering@newingtononct.gov
www.newingtononct.gov



Photograph 1: Project corridor looking north

Phone: (860) 665-8570 Fax: (860) 665-8577
engineering@newingtonct.gov
www.newingtonct.gov



Photograph 2: Project corridor looking south

Phone: (860) 665-8570 Fax: (860) 665-8577
engineering@newingtonct.gov
www.newingtonct.gov



Photograph 3: End of existing sidewalk (north of project))

Phone: (860) 665-8570 Fax: (860) 665-8577
engineering@newingtonct.gov
www.newingtonct.gov



Photograph 4: End of existing sidewalk (north of project))



Photograph 5: End of existing sidewalk (south of project))

Phone: (860) 665-8570 Fax: (860) 665-8577
engineering@newingtonct.gov
www.newingtonct.gov



Photograph 6: End of existing sidewalk (south of project))

Phone: (860) 665-8570 Fax: (860) 665-8577
engineering@newingtonct.gov
www.newingtonct.gov



Photograph 7: 900-Foot-Long Sidewalk Gap

Phone: (860) 665-8570 Fax: (860) 665-8577
engineering@newingtonct.gov
www.newingtonct.gov



Photograph 8: 900-Foot-Long Sidewalk Gap – Poison Ivy Along Road



Photograph 9: 900-Foot-Long Sidewalk Gap (narrow shoulder at guiderail)

Phone: (860) 665-8570 Fax: (860) 665-8577
engineering@newingtonct.gov
www.newingtonct.gov



Photograph 10: 900-Foot-Long Sidewalk Gap (narrow shoulder at guiderail)

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Photograph 11: 900-Foot-Long Sidewalk Gap



Photograph 12: Heavy Truck Usage in Project Corridor



Photograph 13: Recreational Area Abutting Project Corridor



Photograph 13: Posted Speed Limit in Project Corridor

Exhibit F

Public Meeting Presentation (6 October 2020)



PUBLIC MEETING

6 October 2002



COMMUNITY CONNECTIVITY GRANT PROGRAM
FOR
Main Street Sidewalk Connectivity Project

Public Comments

- Within Zoom™ application “Raise Hand” if you would like to participate during Public Participation.
- If calling into Zoom Meeting by telephone dial *(star) 9 to “Raise Hand” to be recognized.
- Toll Free #'s (888) 788 0099 or (877) 853 5247
- Webinar ID : 829 9046 8730#
- Password: 649489#

Introduction

- Town Engineer
- Gary Fuerstenberg, PE
 - 860-665-8572
 - gfuerstenberg@newingtononct.gov



Thank You

- Town Manager
- Engineering Staff
- Planning Staff
- Town Clerk



Community Connectivity Grant Summary

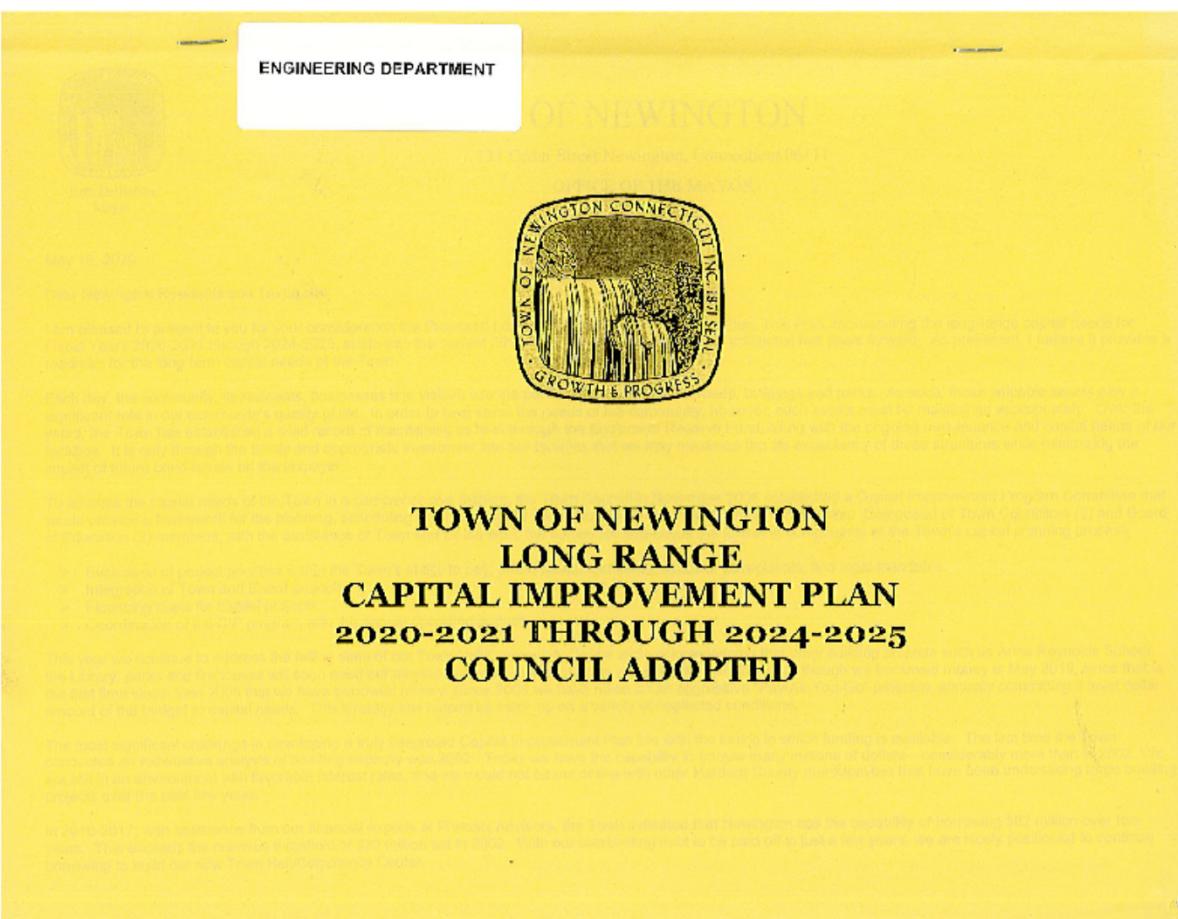
- Connecticut Department of Transportation (CDOT)
- Competitive application processes (169 Towns)
- Small scale improvements
- \$125k to \$600k per town
- Improve pedestrian and bicycle safety and accessibility
- Encourage healthy and sustainable modes of transportation
- Facilitate social and economic opportunities
- Construction activities only
- Exclude engineering/design costs

Presentation Summary

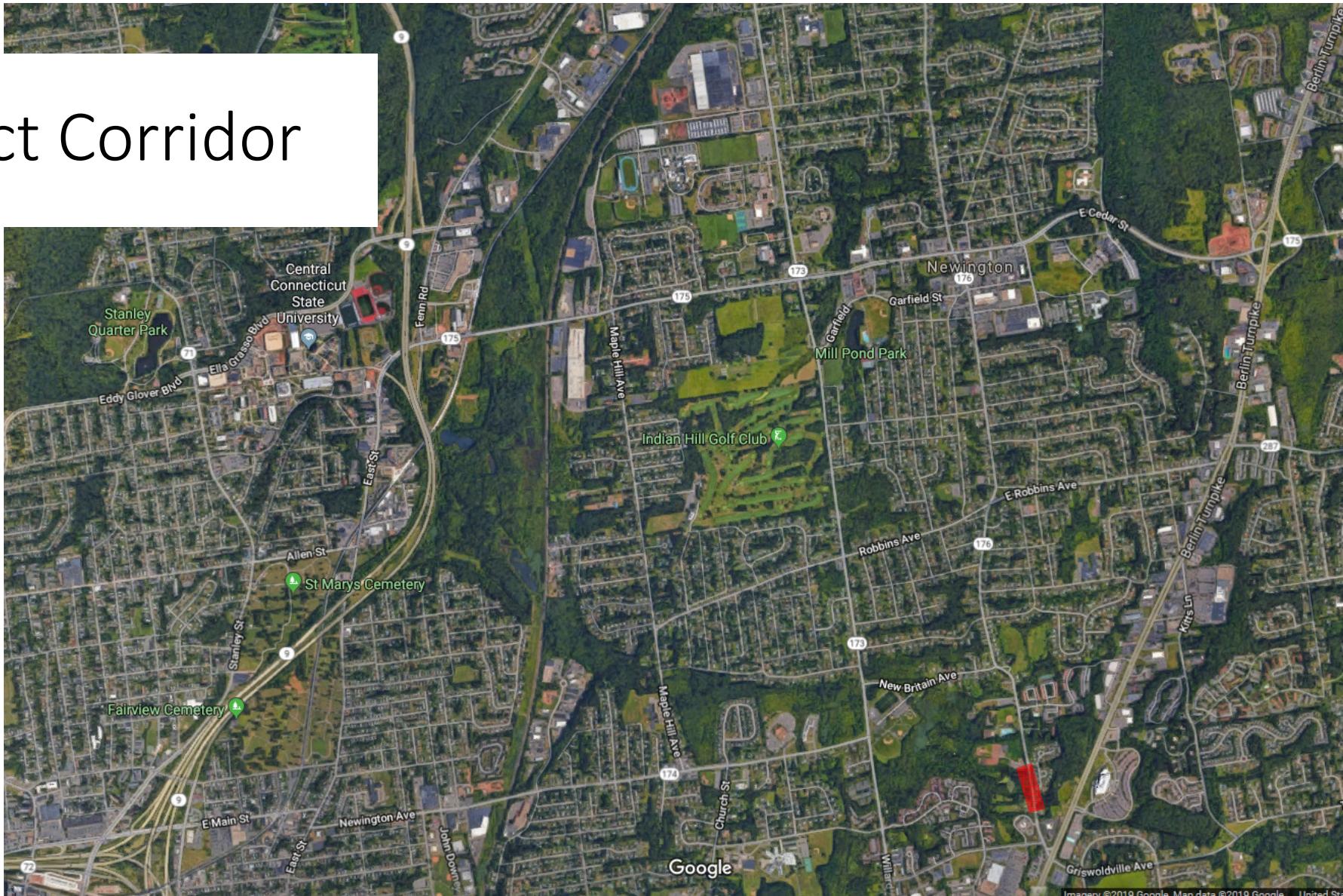
- Engineering Data
- Planning Data
- Existing Condition
- Proposed Solution
- Preliminary Design
- Funding Sources
- Schedule
- Grant Application



Project Origin



Project Corridor



Corridor History

- Former Landfill
- Churchill Park
- Abandoned I291 corridor
- 1995 – Hopkins Drive
 - Hopkins Village
- 1997 Middlewoods
- 2018 – CDOT resurfaced
- Sidewalk gap

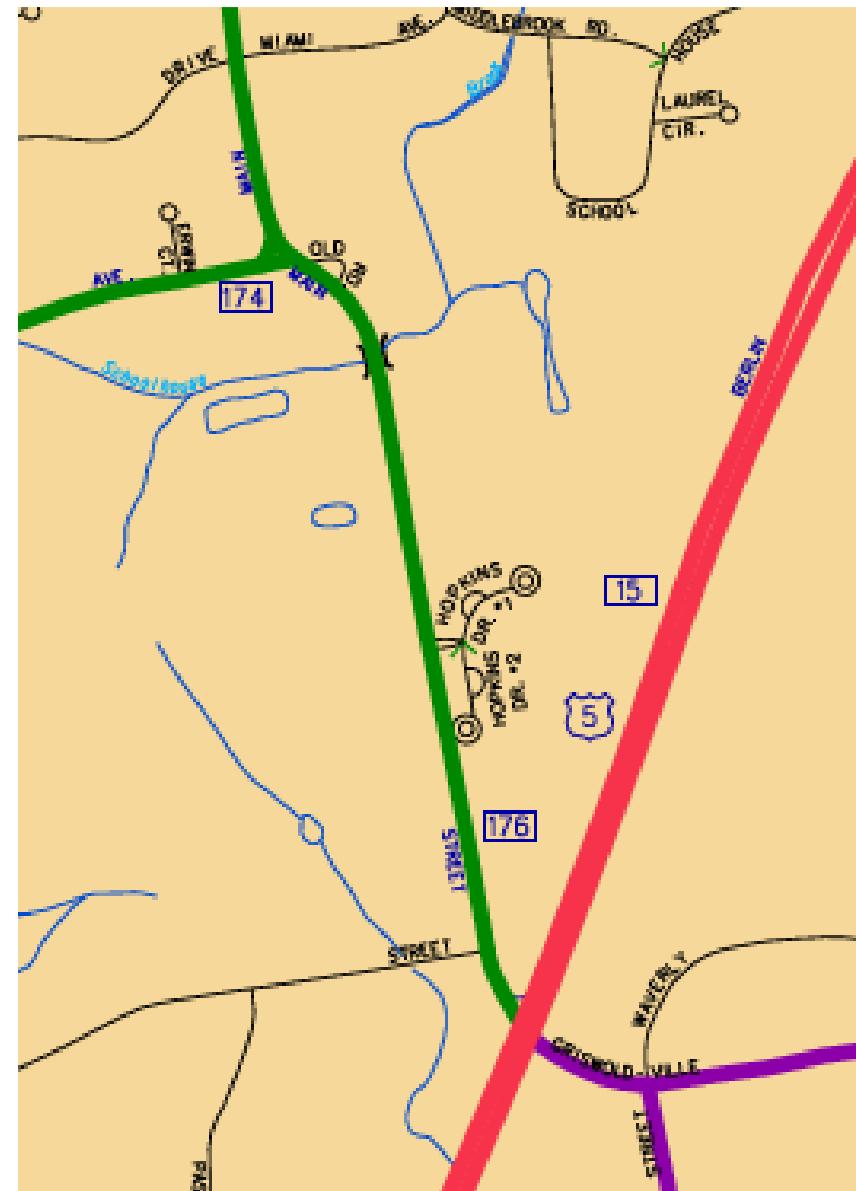
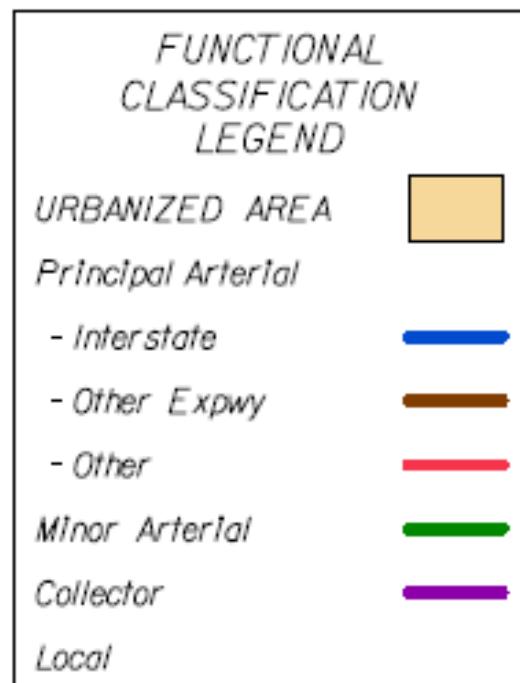


ENGINEERING DATA



Road Classification

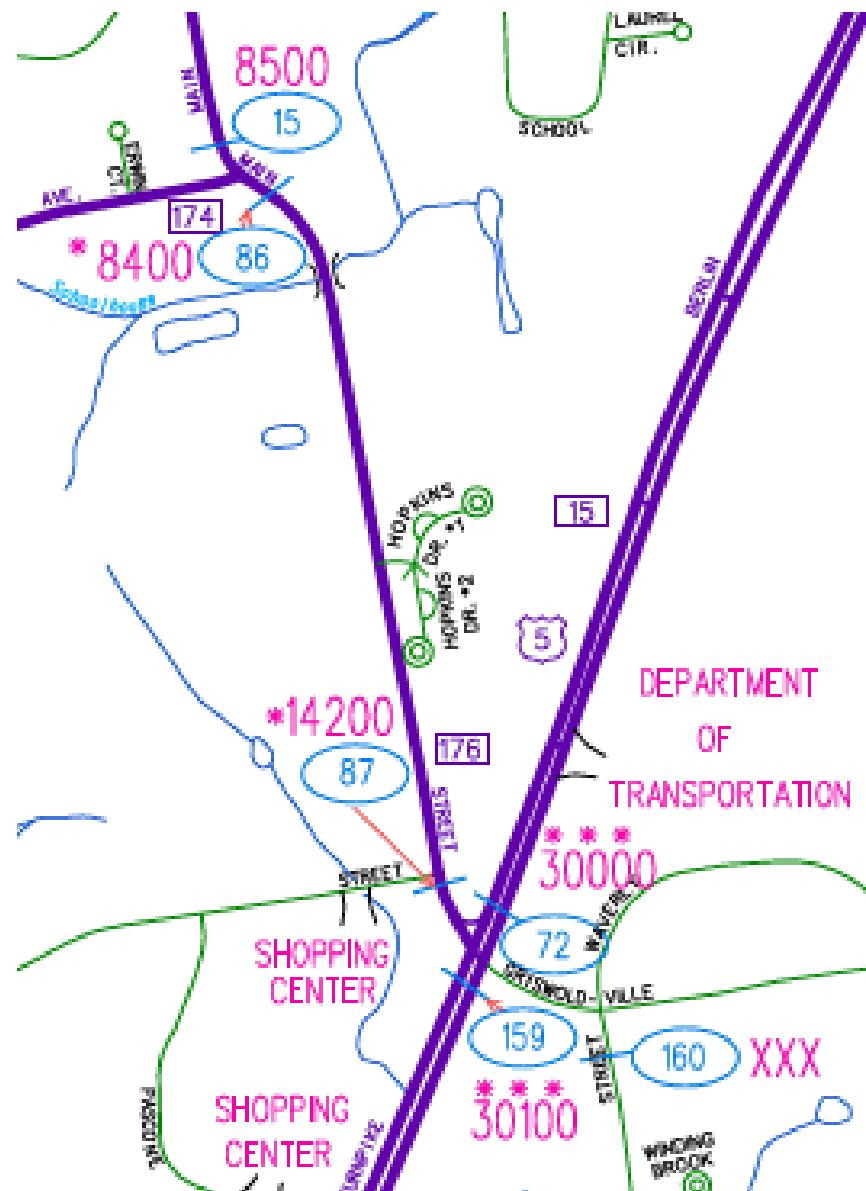
Minor Arterial (SR 176)



CDOT Traffic Data

Project Segment	ADT
Louis Street	14,200
New Britain Avenue (SR 174)	8,400

ADT = Average Daily Traffic, veh/day



PLANNING DATA

capital improvements variance
comprehensive sustainable

Form-Based Zoning parking spaces
LEED environmental non-conforming use

Land uses signage historic

right-of-way

Complete Street Program

- Facilitate multimodal transportation

Vehicles

Bicycles

Pedestrians

- Increase quality of life
- Increase property values



National Complete
Streets Coalition

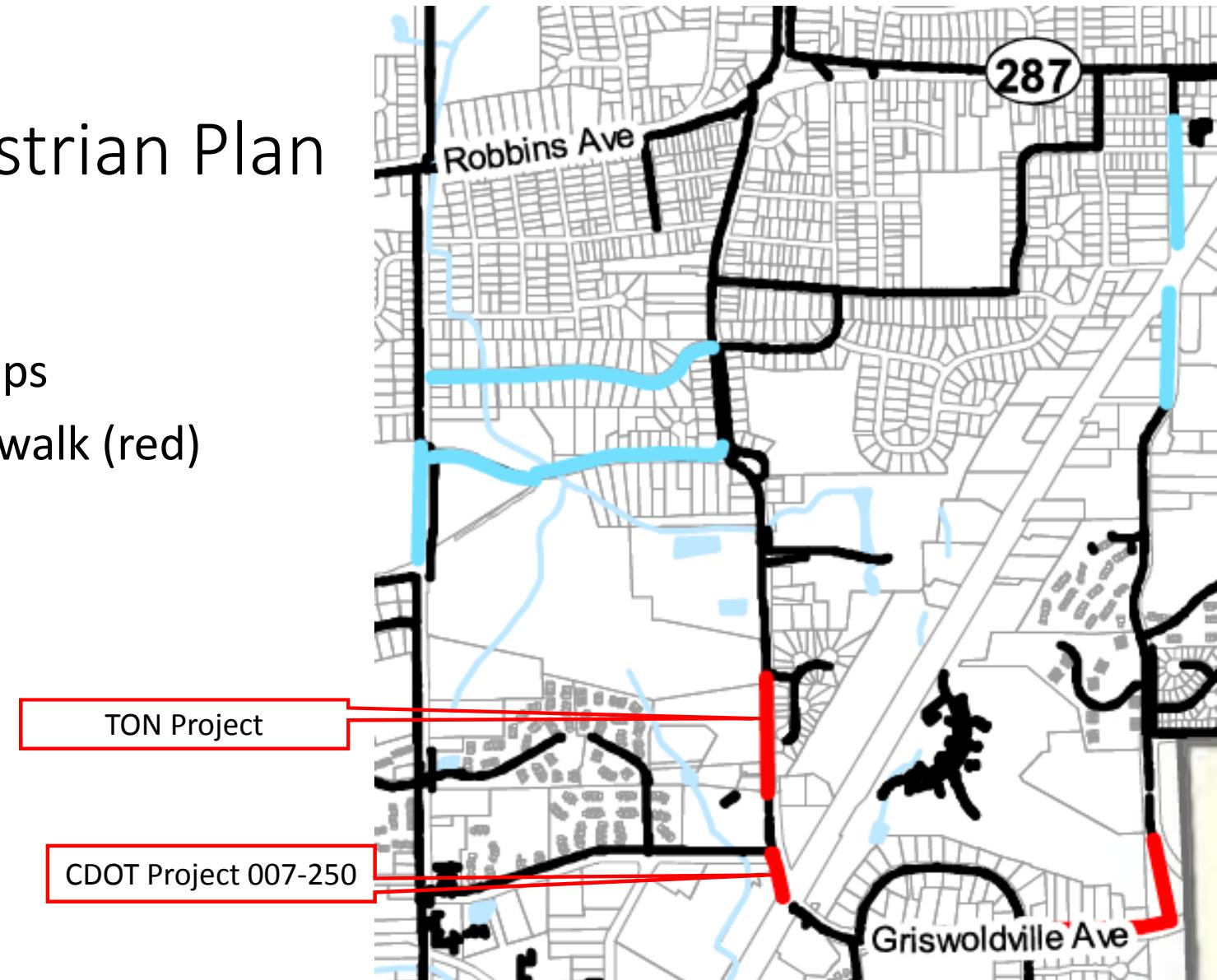
Plan of Conservation and Development

- 2020-2030
- Town Planning and Zoning Commission
- Pedestrian Plan
- Bicycle Plan



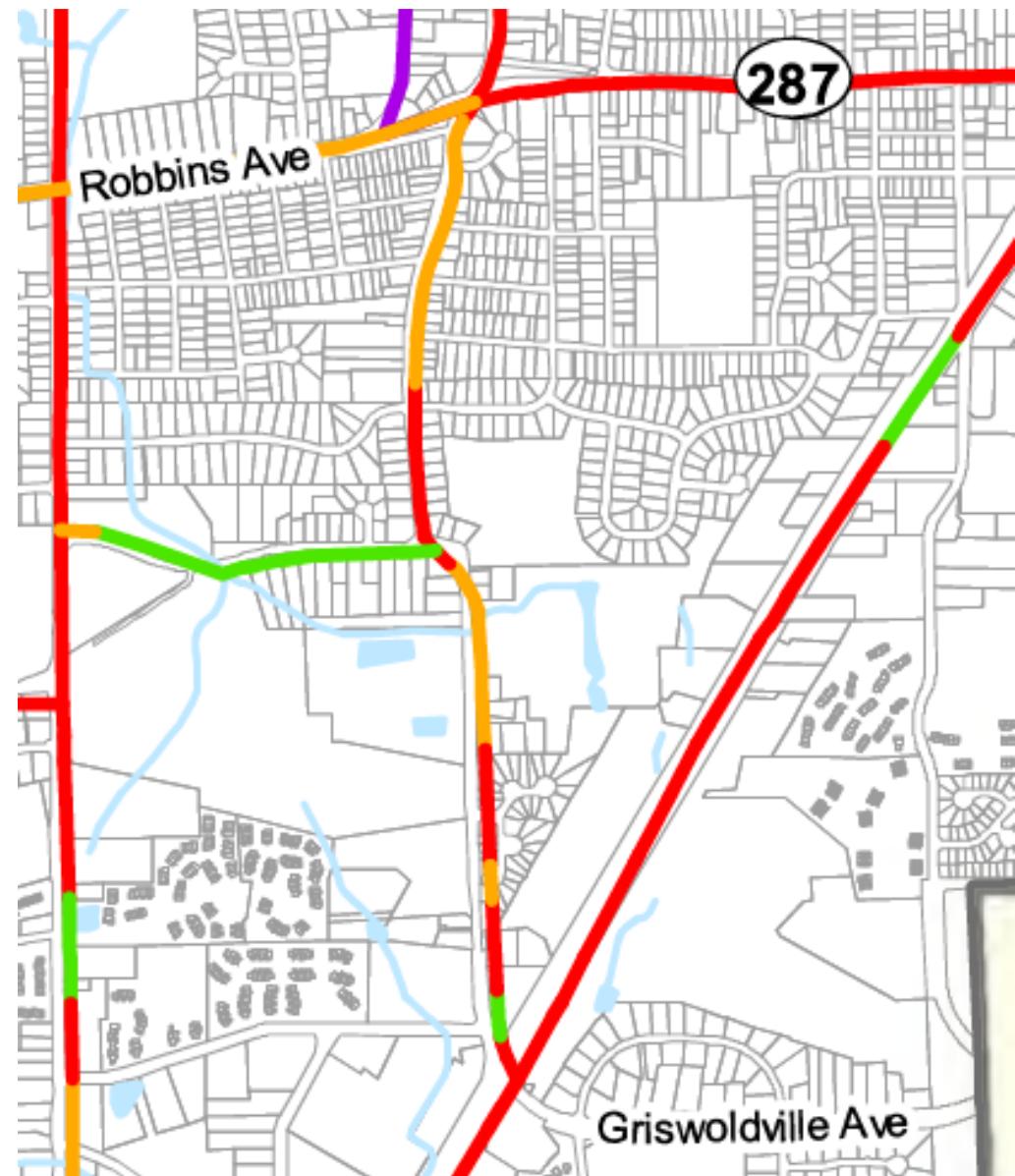
POCD – Pedestrian Plan

- Extend sidewalks
- Close sidewalk gaps
- High priority sidewalk (red)



POCD – Bicycle Plan

- Main Street (SR 176)
- Not suitable for bicycles
- High speed
- Narrow pavement
- Little to no shoulder
- CDOT bicycle plan in TON = POCD



EXISTING CONDITIONS



Corridor Problems for Pedestrians

900' Gap in Sidewalk Network

- Unsafe for pedestrians to share the road with vehicles
- High traffic volume (~10,000 VPD)
- High Speed (40 MPH)
- Narrow pavement
- Little to no shoulder (1 to 2 feet)
- Guiderail requires pedestrians to share road with vehicles
- Uneven/steep ground requires pedestrians to share road with vehicles



900' Sidewalk Gap



Trucks and Pedestrians Share Roadway



Posted 40 MPH



Pedestrians Share Roadway with Vehicles



Uneven Ground
Surface
Covered with
Poison Ivy



Guide Rail Along Edge of Pavement



Narrow Pavement



PROPOSED SOLUTION



Connect Sidewalk Gap



Proposed Project

- NOT a streetscape project (similar to Newington Center)
- New concrete sidewalk with minor corridor improvements



Sidewalk Improvements

- 900' New Sidewalk
- Sidewalk Ramps

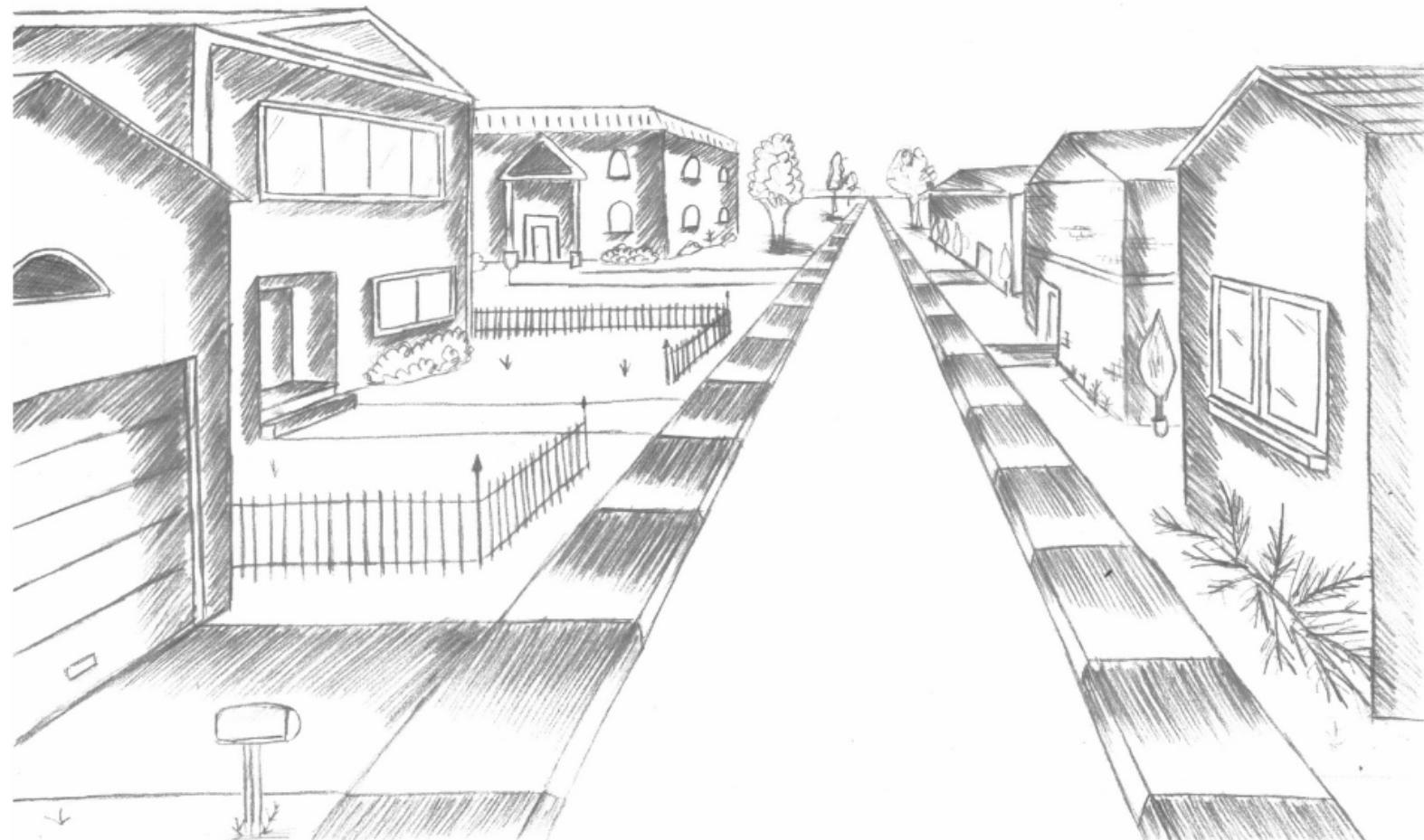


Drainage Improvements

- 300' New Curb
- 1 New Catch Basin

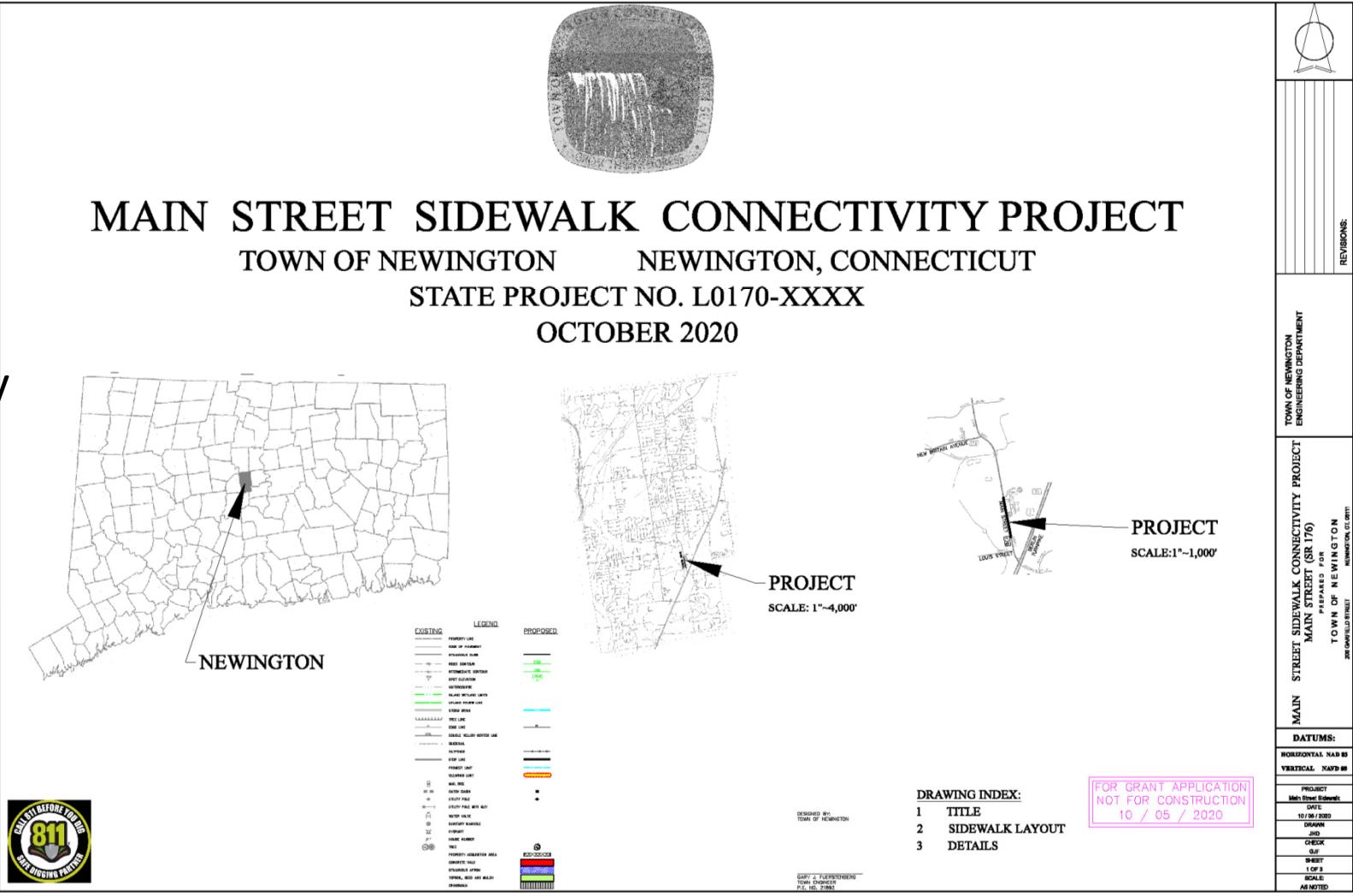


PRELIMINARY DESIGN



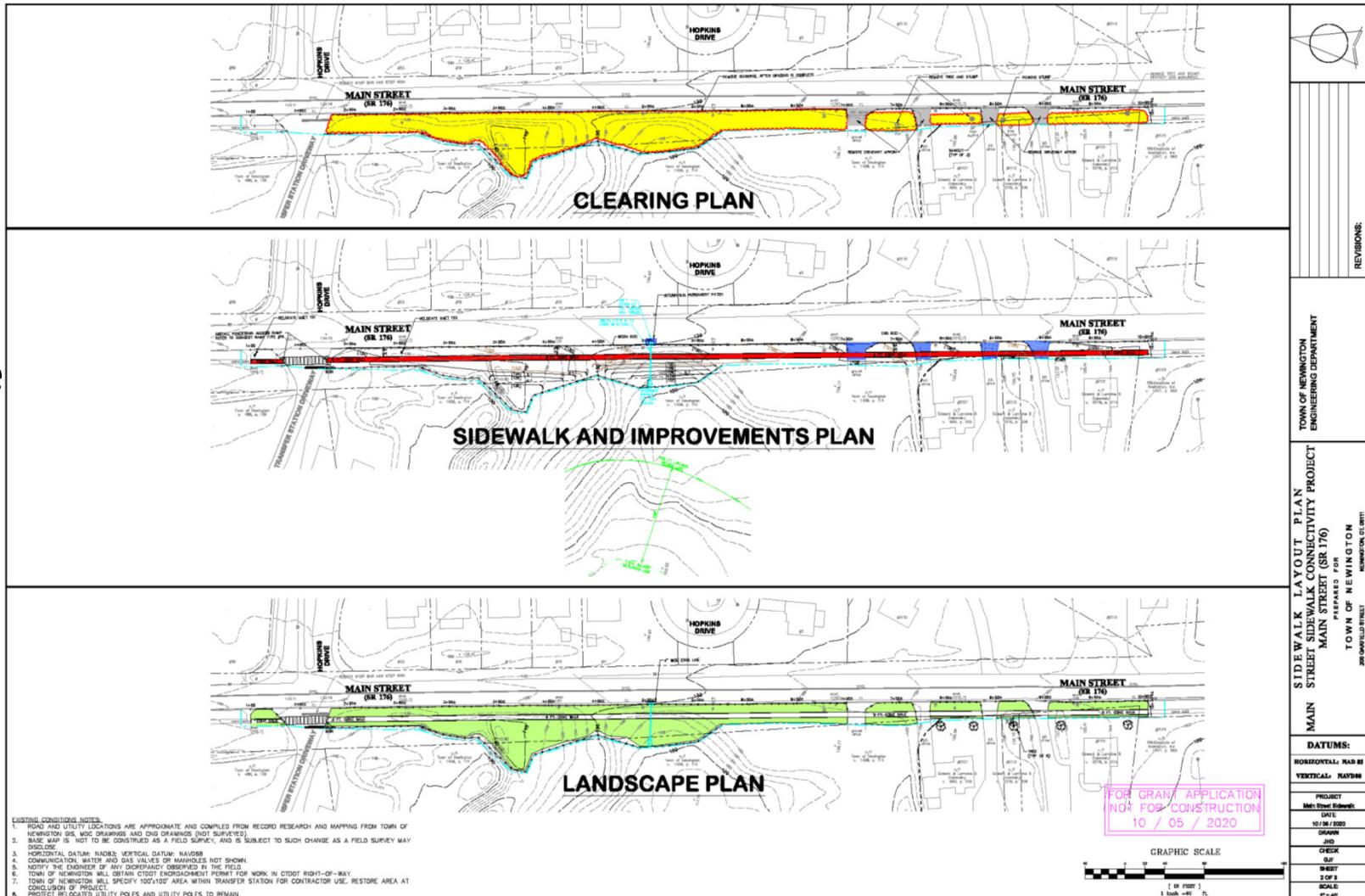
Title

Main Street Sidewalk Connectivity Project



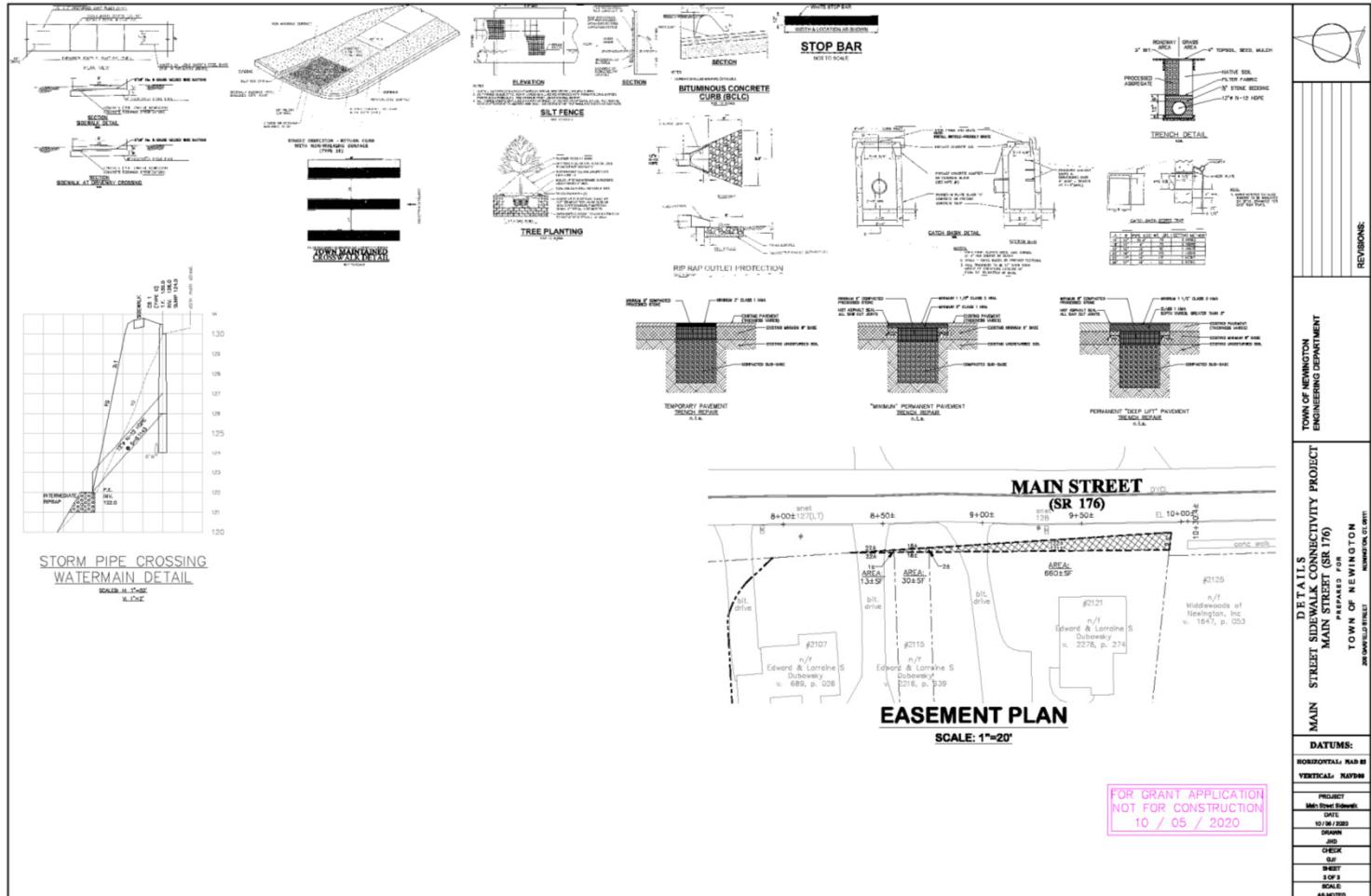
Plans

- Clearing
- Sidewalk
- Landscape



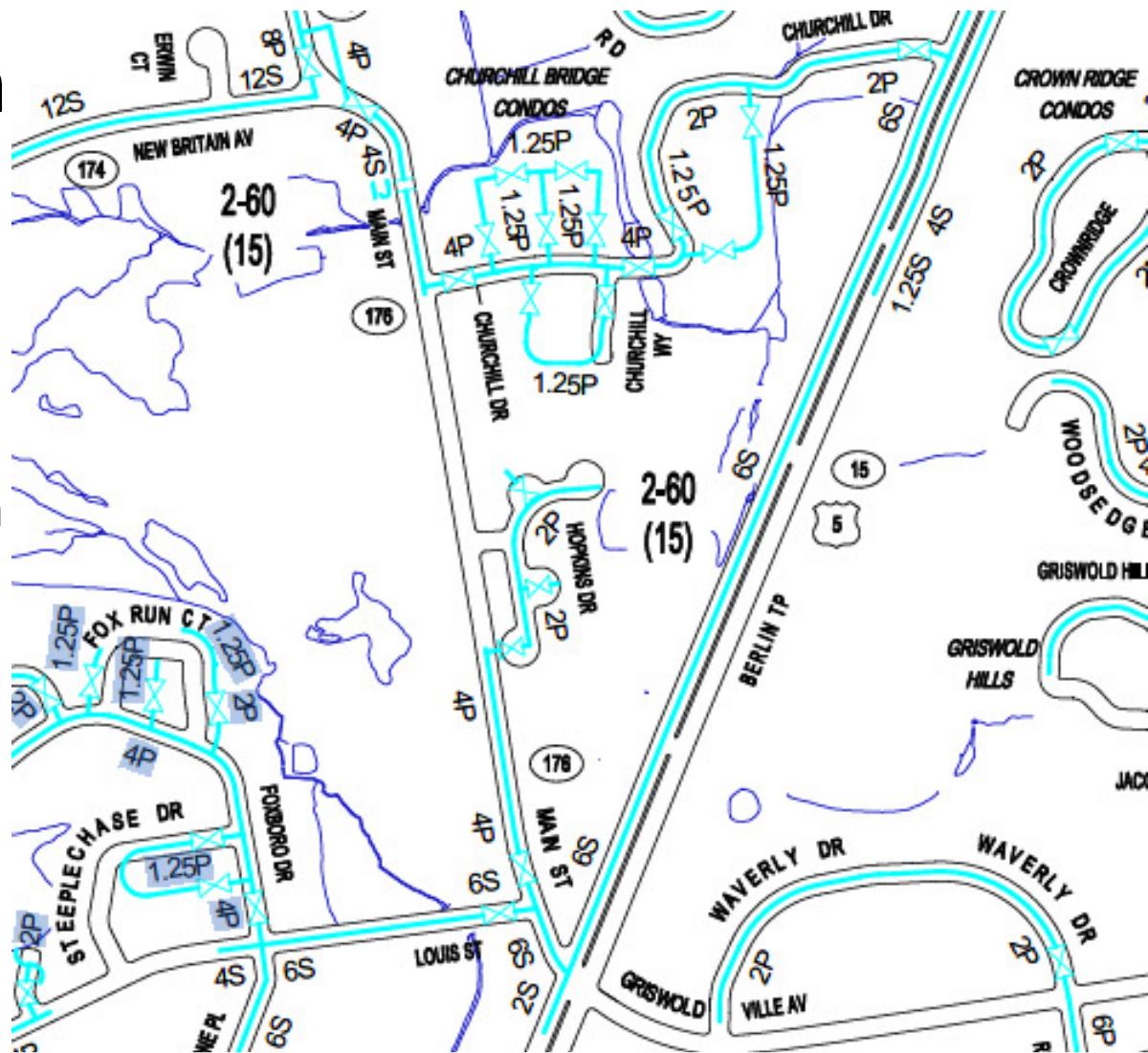
Details

- Sidewalk
- Sidewalk Ramp
- Curb
- Catch Basin
- Pipe Profile
- Easement

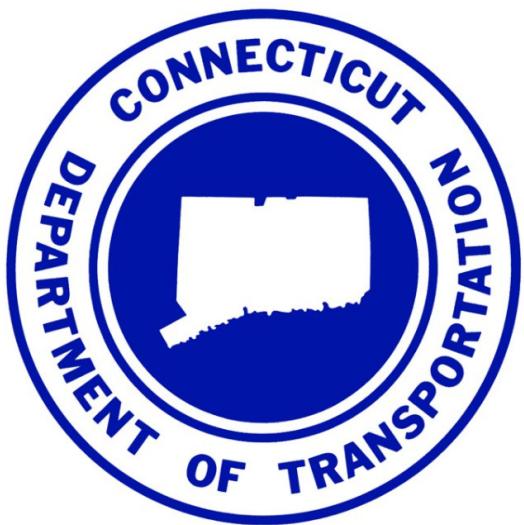


Utility Coordination

- MDC – water and sewer
- Eversource (CL&P) – electric
- CNG – Gas
- Frontier/ATT – communication
- CDOT – storm water drainage



Engineering Design Guides



Impact to TON/residents

- Southbound lane intermittent closures during construction
- Minimum one lane open during construction
- Maintain access to:
 - TON transfer station
 - Hopkins Drive
 - Private property



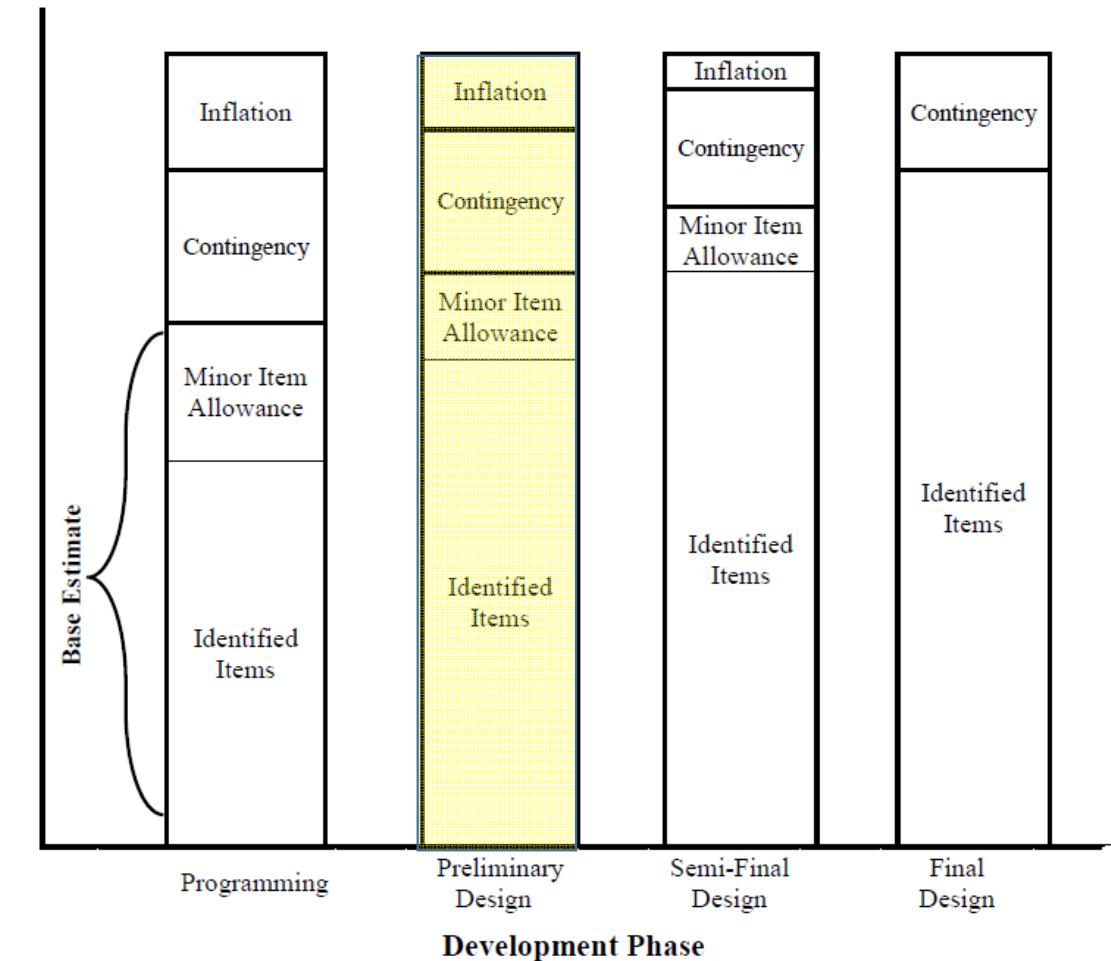
FUNDING



Cost Estimate

- **\$525,000 = Total Cost**
- Preliminary Design
- 36 Major Items = \$365k
- Minor Item Allowance = \$70k
- Contingency = \$45k
- Incidentals = \$45k
- Inflation = \$0k

Figure 1. Components of construction contract cost by development phase.



Funding Sources

- TON Sidewalk Maintenance CIP funds
- CDOT Community Connectivity Grant funds
 - Improve pedestrian safety, mobility, and connectivity
 - Sidewalks connect neighborhoods

SCHEDULE

2020

JANUARY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

FEBRUARY

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

MARCH

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

APRIL

S	M	T	W	T	F	S
						1
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

MAY

S	M	T	W	T	F	S
			1	2		
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

JUNE

S	M	T	W	T	F	S
1	2	3	4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

JULY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

AUGUST

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

SEPTEMBER

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

OCTOBER

S	M	T	W	T	F	S
			1	2	3	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

NOVEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

DECEMBER

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Grant Application Schedule

Grant Solicitation Announced – 31 AUG 2020

Public Outreach – 6 OCT 2020

Town Council Meeting – 13 OCT 2020

Application Due – 16 OCT 2020

Preliminary Project Schedule

~24 month duration

	Description	Duration	Estimate Date
	Prepare CCGP Application	1 month	Fall 2020
	CCPG Selection	TBD	Fall 2020
	Commitment to Funding	TBD	Winter 2021
	Prepare Final Design	6 months	Winter-Spring 2021
	Utility Coordination	2 months	Spring 2021
	CDOT Encroachment Permit	2 months	Summer 2021
	Prepare Bidding Documents	2 months	Fall 2021
	Bidding	2 months	Winter 2022
	Select Contractor	2 months	Spring 2022
	Construction	2 months	Summer 2022

GRANT APPLICATION



Eligible Improvements

- Bicycle and Pedestrian Safety
- Bicycle Facilities
- Sidewalk Facilities
- Transit Facilities



Bicycle and Pedestrian Safety Measures	
Category	Improvement Type
A1	Pavement markings or signage that provides a new separate accommodation for bicycle, pedestrian or transit modes [bike lanes, shoulders, bike routes, etc.]
A2	Addition of, or widening of shoulders for bicycles and/or pedestrians
A3	Reducing corner radii to lower vehicle speeds and/or decrease pedestrian crossing distances
A4	Traffic calming measures
A5	Street lighting related to pedestrian safety
A6	Warning signing related to pedestrian safety
A7	Intersection reconstruction – to enhance pedestrian safety by reducing complexity and/or crossing distance
A8	Intersection signalization (major updates/upgrades and new installations)
A9	Road diets
A10	Other
Bicycle Facilities	
Category	Improvement Type
B1	New or improvement of shared-use paths (a path not solely for recreation)
B2	Designated bicycle lanes
B3	Bicycle parking fixtures and/or bike shelters
B4	Providing bicycle-safe drain grates
B5	Bicycle wayfinding / Bike Route signs
B6	Shared lane markings (sharrows)
B7	Designated separated bicycle lane (cycle tracks)
B8	Intersection treatments (bicycle signals, bicycle detection, bike lane extensions, turn boxes)
B9	Other
Pedestrian Facilities	
Category	Improvement Type
C1	Providing ADA compliant curb ramps
C2	Pedestrian wayfinding signs
C3	Providing new sidewalks (connectivity, filling gaps)
C4	Providing pedestrian buffer zones/ pedestrian refuge islands/ curb extensions at pedestrian crossings
C5	Replacing existing sub-standard/non-compliant sidewalks
C6	New or improved crossing treatments at intersections, midblock, including but not limited to Pedestrian Hybrid Beacons (HAWK), and Rectangular Rapid Flashing Beacon's (RRFB)
C7	New pedestrian accommodations at existing traffic signals, including but not limited to Accessible Pedestrian Signals (APS)
C8	Traffic (vehicular or pedestrian) re-routing to improve pedestrian safety
C9	Other
Transit Facilities	
Category	Improvement Type
D1	Improving transit connections for bicyclists and pedestrians
D2	Transit shelters
D3	Bus pull-out areas
D4	Other

Eligible Improvements - Project

	Pedestrian Facilities
Category	Improvement Type
C1	Providing ADA compliant curb ramps
C2	Pedestrian wayfinding signs
C3	Providing new sidewalks (connectivity, filling gaps)
C4	Providing pedestrian buffer zones/ pedestrian refuge islands/ curb extensions at pedestrian crossings
C5	Replacing existing sub-standard/non-compliant sidewalks
C6	New or improved crossing treatments at intersections, midblock, including but not limited to Pedestrian Hybrid Beacons (HAWK), and Rectangular Rapid Flashing Beacon's (RRFB)
C7	New pedestrian accommodations at existing traffic signals, including but not limited to Accessible Pedestrian Signals (APS)
C8	Traffic (vehicular or pedestrian) re-routing to improve pedestrian safety
C9	Other

CCGP Application

- Site Location Map
- Preliminary Engineering Plans
- Project Schedule
- **Letters of Support**
- Endorsement by Municipality
- Description of Project
- Safety and Accessibility
- Transportation Equity
- Cost Estimate



Connecticut Department of Transportation

Community Connectivity Grant Program

Project Administration Guide



CCGP Application – Letter of Support/Opposition

- Town Engineer
 - Gary Fuerstenberg, PE
 - 200 Garfield Street Newington CT 06111
 - gfuerstenberg@newingtonct.gov
- Town Planner
 - Craig Minor
 - 200 Garfield Street Newington CT 06111
 - cminor@newingtonct.gov

Closing

- Discussion
- Comments



Public Comments

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- If calling into Zoom Meeting by telephone dial *(star) 9 to “Raise Hand” to be recognized.
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