

5.0 Appendices

The following supplementary information is included in the Appendices for reference:

Appendix A – Trail Layout Maps

Appendix B – Photographs

Appendix C – Environmental/FEMA Information

Appendix D – Public Meeting Information

Appendix E – Boardwalk or Bridge Information

Appendix F – Preliminary Opinion of Probable Cost

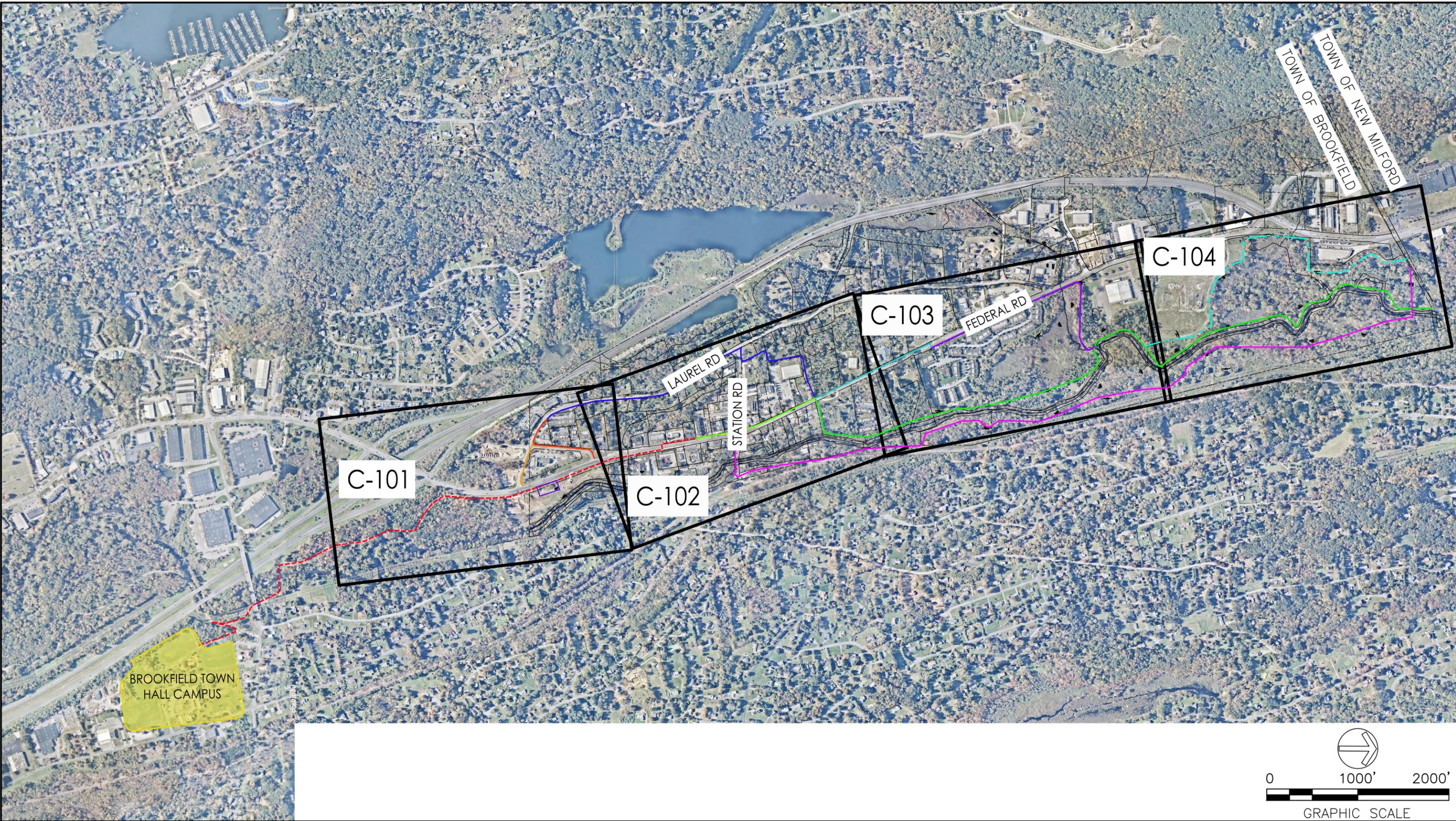
Appendix G – Property/ Easement Maps

Appendix H – Other Information

Appendix A – Trail Layout Maps

u:\192311342\drawing\plot sheets\C-100 to C-104_layout planeditis

2022.11.17 11:36:54 AM



Stantec Architecture Inc.
 55 Church Street Suite 601
 New Haven CT 06510-3014
 Tel: (203) 495-1645
 www.stantec.com

Notes

Client/Project
 TOWN OF BROOKFIELD
 SRGT EXTENSION STUDY

Project No.
 192311342

Title
 TRAIL LAYOUT PLAN

Revision	08/04/2022
Date	
Reference Sheet	C-100
Figure No.	

u:\192311342\drawing\plot sheets\c-100 to c-104_layout_plan.pdf

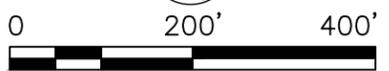


2022.11.17 11:37:07 AM



Stantec Architecture Inc.
 55 Church Street Suite 601
 New Haven CT 06510-3014
 Tel: (203) 495-1645
 www.stantec.com

Notes



GRAPHIC SCALE



EASEMENT SECURED



EASEMENT NEEDED



FEMA FLOODWAY



FEMA FLOODPLAIN

CRITICAL HABITAT AREA (red dashed line)

PROPERTY LINES (black dashed line)

Client/Project
TOWN OF BROOKFIELD
SRGT EXTENSION STUDY

Project No.
 192311342

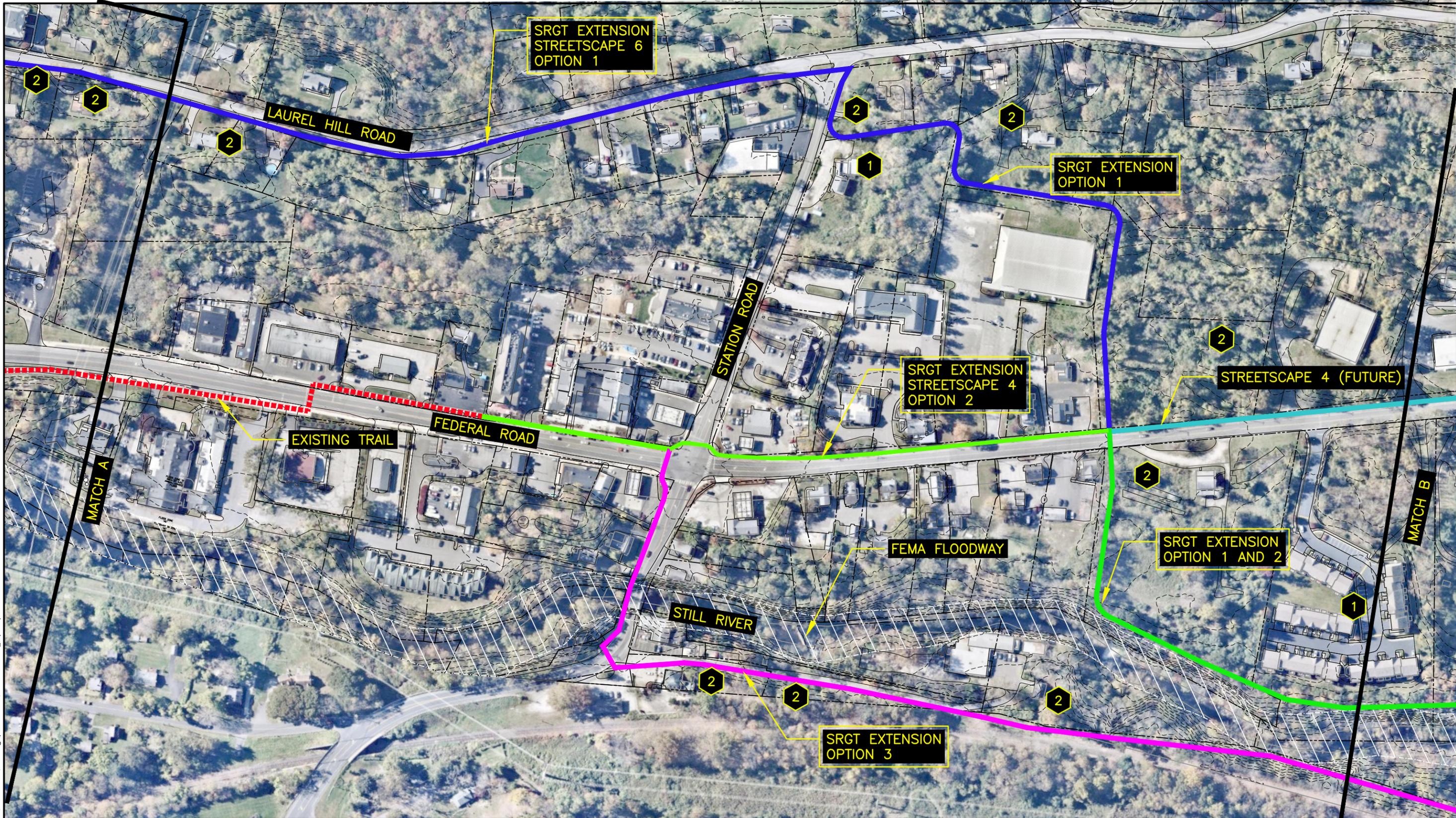
Title

TRAIL LAYOUT PLAN

Revision _____ 08/04/2022
 Date

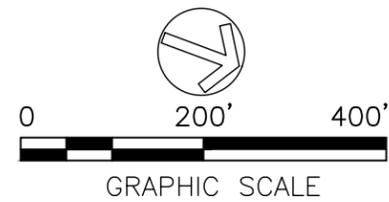
Reference Sheet _____ C-101
 Figure No.

u:\192311342\drawing\plot sheets\c-100 to c-104_layout_planeditis
2022.11.17 11:37:24 AM



Stantec Architecture Inc.
55 Church Street Suite 601
New Haven CT 06510-3014
Tel: (203) 495-1645
www.stantec.com

Notes



- 1 EASEMENT SECURED
- 2 EASEMENT NEEDED
- FEMA FLOODWAY
- FEMA FLOODPLAIN
- CRITICAL HABITAT AREA
- PROPERTY LINES

Client/Project
TOWN OF BROOKFIELD
SRGT EXTENSION STUDY

Project No.
192311342

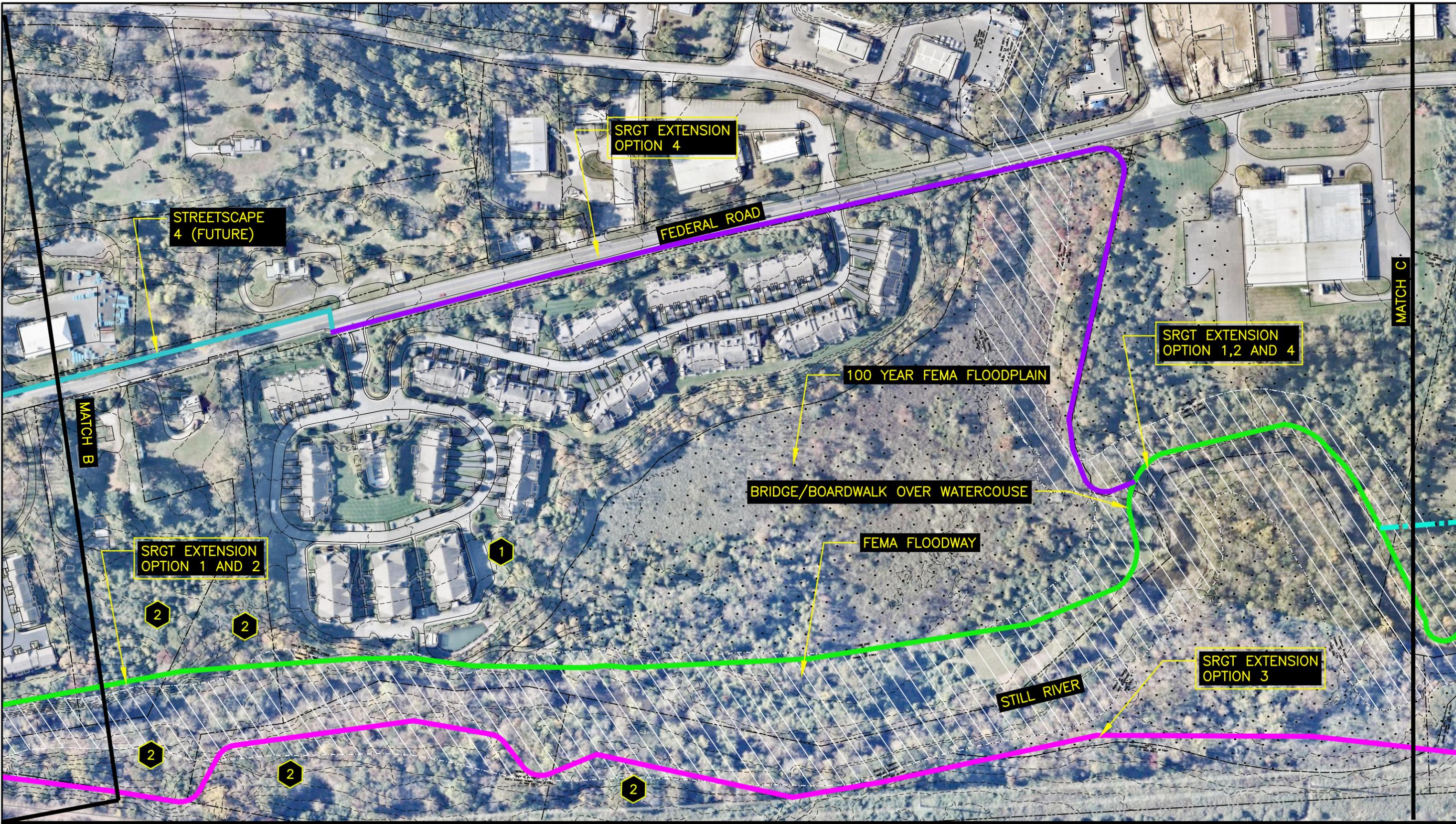
Title
TRAIL LAYOUT PLAN

Revision _____ Date 08/04/2022

Reference Sheet _____ Figure No. C-102

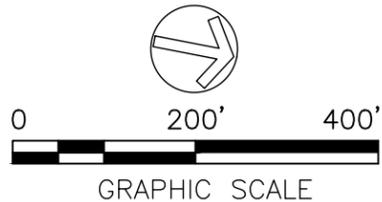
u:\192311342\drawing\plot sheets\c-100 to c-104_layout_planedit5

2022.11.17 11:37:38 AM



Stantec Architecture Inc.
 55 Church Street Suite 601
 New Haven CT 06510-3014
 Tel: (203) 495-1645
 www.stantec.com

Notes



- 1 EASEMENT SECURED
- 2 EASEMENT NEEDED
- FEMA FLOODWAY
- FEMA FLOODPLAIN
- CRITICAL HABITAT AREA
- PROPERTY LINES

Client/Project
TOWN OF BROOKFIELD
SRGT EXTENSION STUDY

Project No.
 192311342

Title
TRAIL LAYOUT PLAN

Revision _____ Date 08/04/2022

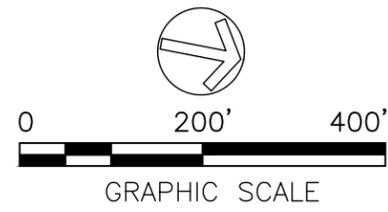
Reference Sheet _____ Figure No. C-103

u:\192311342\drawing\pbl sheets\c-100 to c-104_layout\planeditis
2022.11.17 11:37:53 AM



Stantec Architecture Inc.
55 Church Street Suite 601
New Haven CT 06510-3014
Tel: (203) 495-1645
www.stantec.com

Notes



-  EASEMENT SECURED
-  EASEMENT NEEDED
-  FEMA FLOODWAY
-  FEMA FLOODPLAIN

-  CRITICAL HABITAT AREA
-  PROPERTY LINES

Client/Project
TOWN OF BROOKFIELD
SRGT EXTENSION STUDY

Project No.
192311342

Title
TRAIL LAYOUT PLAN

Revision _____ Date 08/04/2022

Reference Sheet _____ Figure No. C-104

Appendix B – Photographs



VIEW OF EXISTING SRGT



END OF EXISTING SRGT LOOKING SOUTH



STREETVIEW OF LAUREL HILL ROAD LOOKING NORTH



STREETVIEW OF STATION ROAD FROM LAUREL HILL ROAD, ADJACENT TO 20 STATION ROAD



VIEW OF STILL RIVER FROM THE EASTERN BANK, LOCATED ADJACENT TO THE HOUSANTONIC RAILROAD



VIEW BEHIND RIVERVIEW APARTMENTS FACING SOUTHBOUND



VIEW OF CLEARED PATH ADJACENT TO NEWBURY VILLAGE

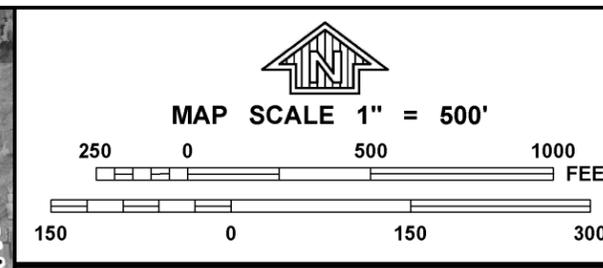
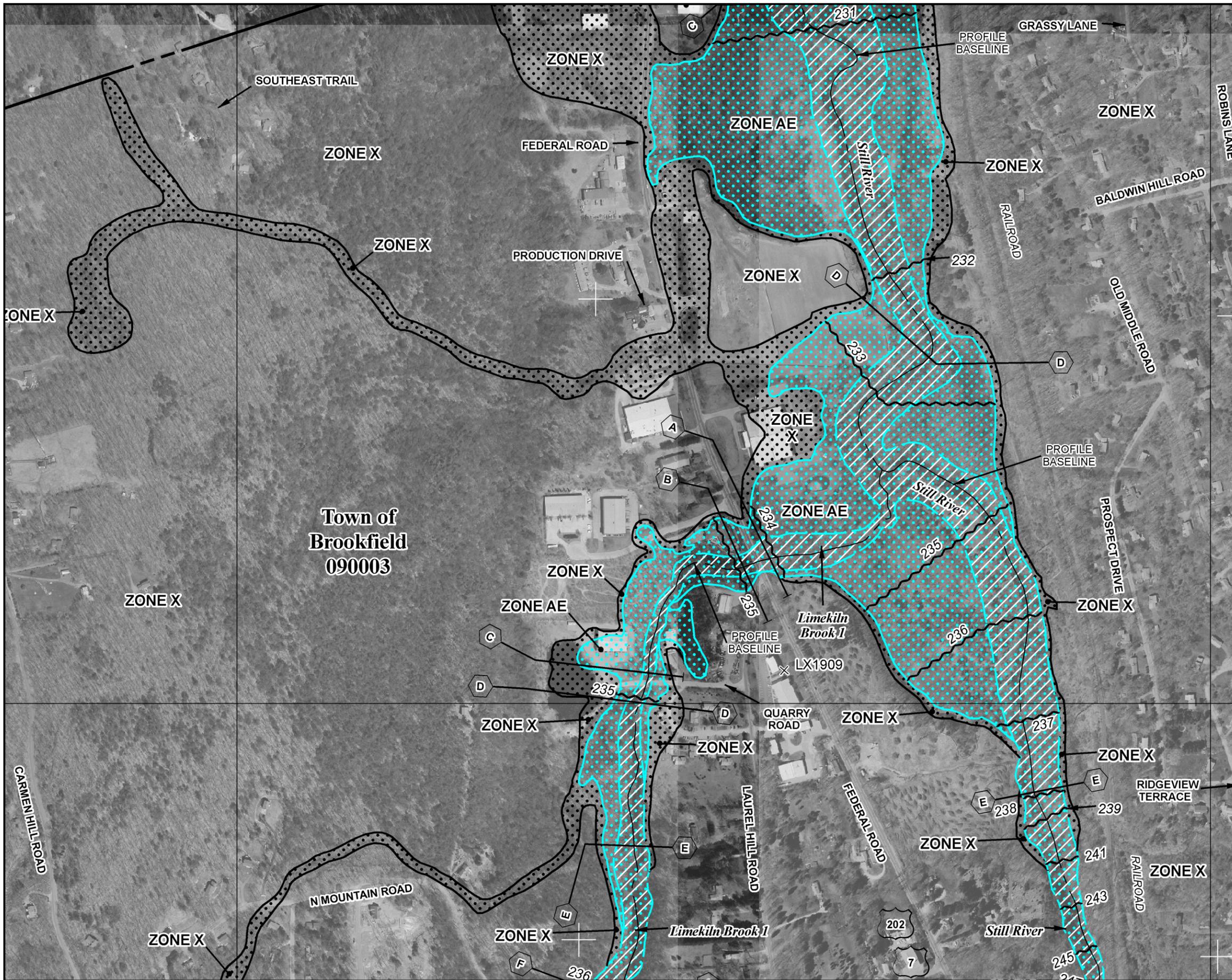


VIEW OF BEAVER HABITAT NEAR LIMEKILN BROOK



VIEW OF EXISTING BRIDGE NEAR NEW MILFORD BORDER

Appendix C – Environmental /FEMA Information



PANEL 0131F

FIRM
FLOOD INSURANCE RATE MAP

FAIRFIELD COUNTY,
CONNECTICUT
(ALL JURISDICTIONS)

PANEL 131 OF 626
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
BROOKFIELD, TOWN OF	090003	0131	F
NEW FAIRFIELD, TOWN OF	090188	0131	F

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER
09001C0131F

EFFECTIVE DATE
JUNE 18, 2010

Federal Emergency Management Agency

This is an official FIRMette showing a portion of the above-referenced flood map created from the MSC FIRMette Web tool. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For additional information about how to make sure the map is current, please see the Flood Hazard Mapping Updates Overview Fact Sheet available on the FEMA Flood Map Service Center home page at <https://msc.fema.gov>.

Natural Diversity Data Base Areas

BROOKFIELD, CT

December 2021

-  State and Federal Listed Species
-  Critical Habitat
-  Town Boundary

NOTE: This map shows general locations of State and Federal Listed Species and Critical Habitats. Information on listed species is collected and compiled by the Natural Diversity Data Base (NDDDB) from a variety of data sources. Exact locations of species have been buffered to produce the generalized locations.

This map is intended for use as a preliminary screening tool for conducting a Natural Diversity Data Base Review Request. To use the map, locate the project boundaries and any additional affected areas. If the project is within a hatched area there may be a potential conflict with a listed species. For more information, complete a Request for Natural Diversity Data Base State Listed Species Review form (DEP-APP-007), and submit it to the NDDDB along with the required maps and information. More detailed instructions are provided with the request form on our website.

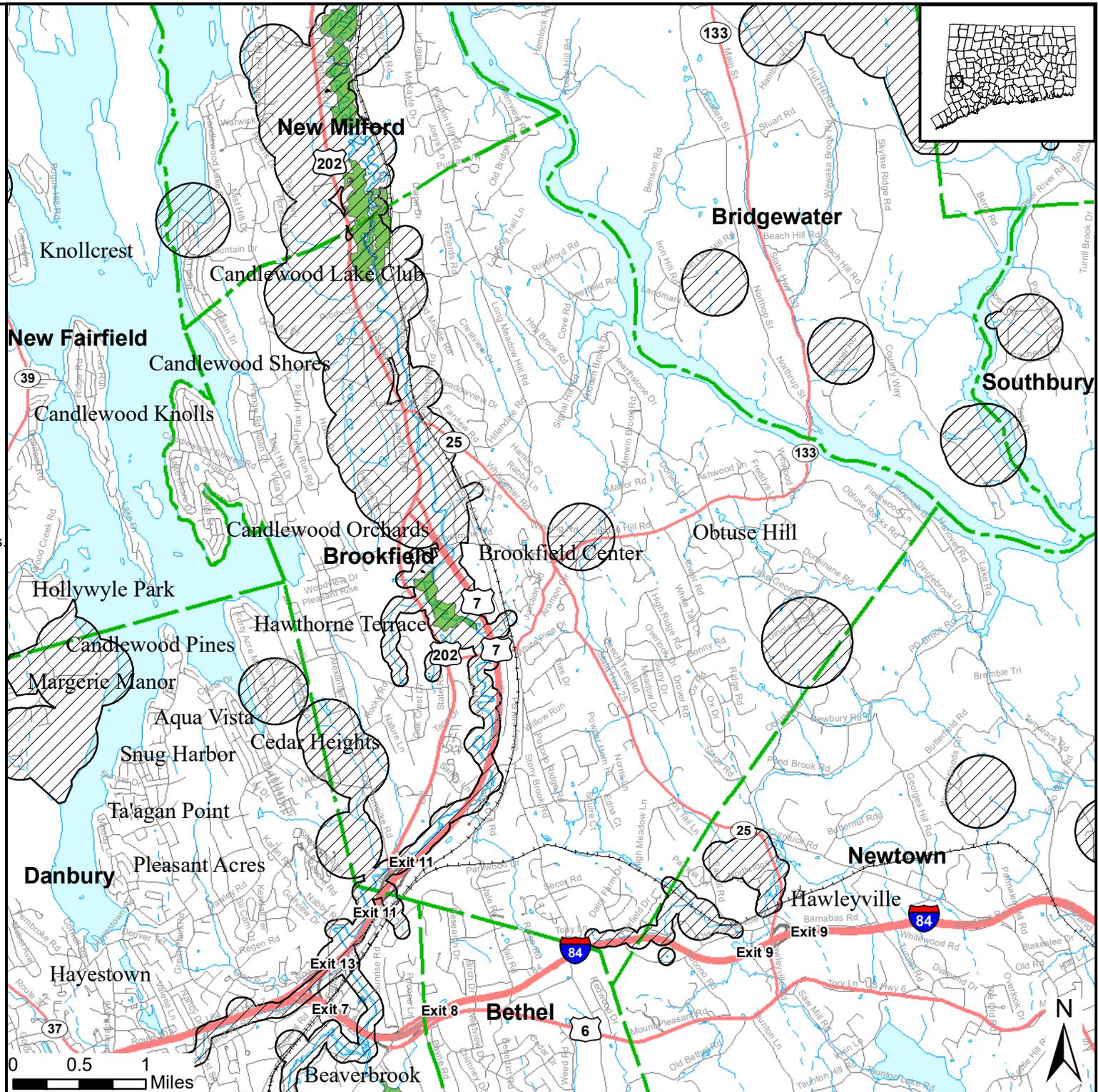
www.ct.gov/deep/nddbrequest

Use the CTECO Interactive Map Viewers at <http://cteco.uconn.edu> to more precisely search for and locate a site and to view aerial imagery with NDDB Areas.

QUESTIONS: Department of Energy and Environmental Protection (DEEP)
79 Elm St, Hartford, CT 06106
email: deep.nddbrequest@ct.gov
Phone: (860) 424-3011



Connecticut Department of Energy & Environmental Protection
Bureau of Natural Resources
Wildlife Division



Appendix D – Public Meeting Information

LETTER SENT TO ADJACENT PROPERTY OWNERS



Stantec Consulting Services Inc.
55 Church Street, Suite 601
New Haven CT 06510-3014

October 6, 2022

To Whom It May Concern,

**Reference: Still River Greenway Trail Feasibility Study
Public Information Meeting**

The Town of Brookfield has retained Stantec to conduct a planning study for the extension of the Still River Greenway Trail from the vicinity of Laurel Avenue and Federal Road to the Brookfield/Milford Town line. As part of this study, several route options are being reviewed. You are being notified of an upcoming public information meeting to be held from 7:00PM to 9:00PM at the Brookfield Town Hall – 100 Pocono Road, room 133. This meeting can also be attended via zoom by using the link shown below. The various trail routing options will be discussed at the meeting to receive feedback from neighbors and stake-holders. The project is in the early planning stages.

Join Zoom Meeting

<https://us02web.zoom.us/j/82351058524?pwd=WE9QMmZCWm9idXVWVHBUcmt1L1ZyQT09>

Dial by your location

+1 646 518 9805 US (New York)

+1 646 558 8656 US (New York)

Meeting ID: 823 5105 8524

Please feel free to reach out to Greg Dembowski (GDembowski@brookfieldct.gov) at 203.740.3865 if you have any questions at this time.

Sincerely,

STANTEC CONSULTING SERVICES INC.

A handwritten signature in blue ink, appearing to read "Antonio DiCamillo".

Antonio DiCamillo Associate
Professional Engineer
Phone: (203) 495-1645
antonio.dicamillo@stantec.com

PUBLIC INFO MEETING ATTENDEES 10/26/22

NAME

ADDRESS

ROBERT KILZER	133 STILL WATER CIRCLE
DIANE KILZER	" "
JOYCE Kuhn	121 STILL WATER CIRCLE
PETER Kuhn	121 STILL WATER CIRCLE
Nanci Hennessey	24 Riverview Ct
CARL CASTANA	131 STILL WATER CIRCLE
Sharon Butow	12 Riverview Court
mei Butow	12 RIVERVIEW COURT
HARRY Avallone	211 STILL WATER CIRCLE
JERRY Ciaccione	
Jean Hartnett	58 Tower Rd
Laura Halloran	324 Still Water Cir
Betty Callahan	332 " " "
Winfred Kenyon	322 " " "
Rosie Isgrò	4 Riverview Ct.
Nelson Munge Malwitz	10 Great Heron Lane
Jim Halpin	37 Riverview Ct.
Maurin Farrell	3 Caulder Burn Rd
Mahtea Farrell	3 Caulder Burn Rd
Helga Tomasky	123 Still Water Circle
Joanne Cullen	33 Riverview Ct
Gary Galt	2 Johns Road
Andrew	Mila A Resner
James Diezeman	22 meadowview Drive
Robert Fuchs	18 Riverview Ct

NAME

ADDRESS

Tom & Jean Musso

13 Riverview Court

Robert Short

124 Still Water Cir, Newbury

ALSO IN ATTENDANCE:

12 RESIDENTS FROM NEWBURY VILLAGE AND RIVERVIEW; ALSO SHANNON YOUNG, 1050 FEDERAL RD PROPERTY OWNER.

Brookfield Town Hall Public Meeting Notes 10/20/22

*FROM THE PUBLIC HEARING, DUPLICATE COMMENTS AND COMMENTS REGARDING BLIGHT/AND OR TRASH WERE OMITTED SINCE BLIGHT WAS NOT THE PRIMARY SUBJECT OF THE MEETING

- Resident comment – resident wanted to see cross section for Newbury Village
- Resident Comment – resident concerns about safety for extending trail for property owners and trail users
 - Will there be enough of a police presence?
 - Stantec response – enforce no trespassing through signage and increased police presence, as well as placing fencing to separate trail and property
- Resident comment- Resident feels that north of Brookfield is “neglected”
 - Consider trail to run through Laurel hill Rd, past intersection at station?
- Resident comment – resident concerns about safety for people using trail- especially children
 - Children will potentially jump into river from trail and injure themselves
 - Steep slope makes trail dangerous for people walking who fall
 - Stantec response- consider placing fencing along the steep sections of trail to prevent accidents and harm
- Resident comment- Resident concerns about flooding with Still River during storms- would potentially wash away people using trail
 - Stantec response- floodplain hatch shows trail in floodplain however trail is elevated high
- Resident comment- what to do about building over wetlands?
 - Stantec response – cantilever bridge is an option to avoid those areas
- Resident comments- concerns about endangered species and native vegetation being destroyed. Species mentioned were beavers and some form of bird.
 - Stantec Response- presented alternative route that avoids endangered species. Also made comments on avoiding taking down native and existing trees and vegetation as much as possible.

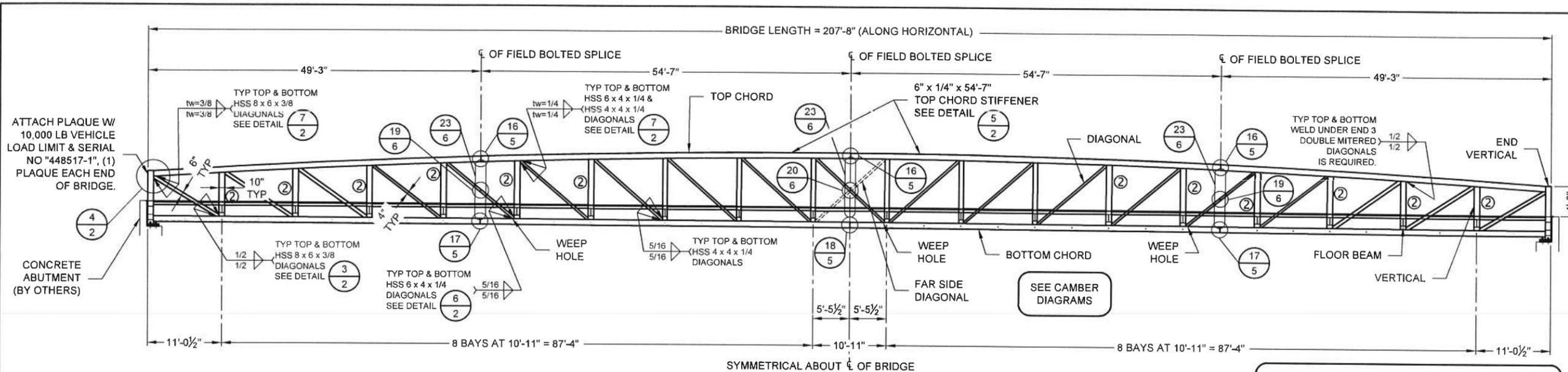
- Resident comment- concerns Riverview is too close to trail
 - Stantec response- showed prepared cross section slide and explained how existing trees and vegetation will be used for cover, and the actual trail would be 10 feet below base of building
 - Resident response- resident still doesn't seem pleased
- Resident comment – concerns that Newbury village is too close to proposed trail. Resident from the three complexes closest to trail location believes there is only “25 ft” until it is too steep to build over
- Resident comment – resident suggested having trail run through middle of Newbury village instead of their “ backyard”
- Resident comment – resident doesn't see the purpose in extending the trail in the first place
 - Resident believes their way of live is being sacrificed for “bikers”
- Resident comment- Resident expresses concerns that still river trail extension is a waste of money
 - Response- trail is primarily funded through state, 20 percent max of money will come from Brookfield residents
- Resident concerns- will SRGT extension still occur if New Milford doesn't commit to connecting?
- Resident comment – resident expressed interest to keep Still River Greenway Trail along federal road continuing from streetscape 4 due to “impacting less people”
 - Stantec/town comment- The design for Still River Greenway trail is to be considered a “greenway”, keeping road along federal would keep trail away from the aspects which make it a greenway. Option is not written off however.
- Resident comments- Resident expressed concern for RFB to be placed across from Agora liquor store. Expresses concern since there will be an upcoming development in the general vicinity, and the addition of an RFB in that busy location will impact traffic in location.

- Stantec/ Town response – traffic study will be done to see if placing RFB will allow roadway to meet minimum standards set by the state.
- Resident comments- concerns of public use of trail along 1055 federal Rd. Resident is concerned where people will park, and if people will park illegally in adjacent areas.
 - Stantec response- Increased police presence is proposed to tell people to not park in non designated areas. Signage for trespassing is also an alternative option.
- Resident comment- resident likes option 3 more due to the railroad having to be flat. More likely to meet ADA requirements. Train runs approximately 3 times per week.
 - Resident suggest trail extending adjacent to railroad as it “alleviates a lot of issues”
 - Stantec/Town response – We need an easement from Railroad company first, and it is not guaranteed whether we will get it. Jay comments how a section of the railroad approximately .75 miles from start of option 3 is too narrow to fit a trail through.
- Resident comment- resident says that the people affected by option 2 in Riverview and Newbury village are mostly elderly. Resident stated to not care about increase of property value from trail, since they believe it to be their forever home.
- Resident comment- resident from Riverview states that the conservation area can never be touched due to potential of indigenous people remains being found. Resident asks if study will be conducted in the area to determine if indigenous people once lived there.
 - Stantec response- a study will be performed if the option is likely to ensure construction is within federal regulations
- Resident comment- resident believes that from the results of the survey (90,000 people use trail last year, 85 percent of users from Brookfield) suggests too many people would be intruding in their privacy.
- Resident comment- resident believes that although the length of trail is going through less private property through option 2, there are more inhabitants of the complex not being accounted for

- 120 families from Newbury village, and 45 families from Newbury village
- Resident comment- resident suggests looking into rail trail house bill 5255
- Resident comment – resident expressed concern about liability for crime, will homeowners be at fault if any crime occurs on their private property adjacent to trail?
 - Stantec response- Most likely not, however we are engineers not lawyers
- Residents appeared to be indifferent to the idea of having 5-foot sidewalks instead of 8 ft multiuse trail
- Resident asked about connection to Danbury
 - Stantec/Town response- Danbury is the last phase for SRGT trail due to difficulty.

Appendix E – Boardwalk or Bridge Information

EXAMPLE OF PREFABRICATED PEDESTRIAN BRIDGE

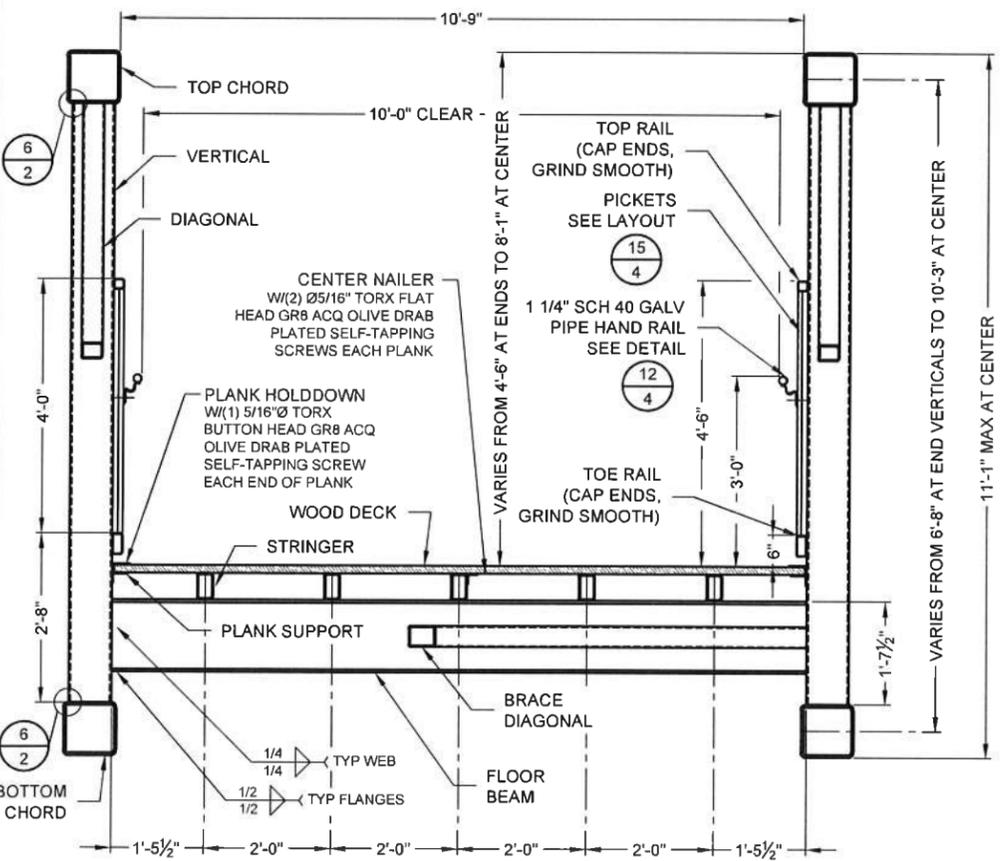


BRIDGE ELEVATION

SHOP NOTE:
EXTEND STRINGERS FROM BOTH END SECTIONS AND ONE CENTER SECTION TOWARD CENTER OF BRIDGE TO MAKE THEM LONGER.

SPACING OF PICKETS, TOP RAIL AND TOE RAIL PRODUCE MAXIMUM OPENINGS OF LESS THAN 4 INCHES UP TO A HEIGHT OF 54" ABOVE TOP OF DECK.

CAUTION:
WE ARE PROVIDING A WOOD DECK ON THIS STRUCTURE IN ACCORDANCE WITH THE SPECIFICATIONS AND/OR THE CONTRACT DOCUMENTS. BE AWARE THAT MOST PEDESTRIAN BRIDGE LIABILITY CLAIMS ARE STATISTICALLY SLIP AND FALL CLAIMS. IT IS THE OWNER'S RESPONSIBILITY TO KEEP THE DECK FREE FROM SLIP OR TRIP HAZARDS DUE TO CUPPING, SPLITS, GAPS AND SMOOTH SURFACES.



BRIDGE SECTION

SCHEDULE OF MEMBERS

TOP CHORD	HSS 10 x 10 x 1/2
BOTTOM CHORD	HSS 10 x 10 x 3/8 ①
VERTICAL	HSS 8 x 8 x 3/8 ②
END VERTICAL	HSS 10 x 10 x 1/2
DIAGONAL	HSS 4 x 4 x 1/4 ③
BRACE DIAGONAL	HSS 4 x 4 x 1/4 ④
FLOOR BEAM	W 14 x 43
STRINGER	HSS 5 x 3 x 1/4
END FLOOR BEAM	HSS 10 x 10 x 1/2
PLANK SUPPORT	L 3 x 2 x 3/16
PLANK HOLDDOWN	FLT 3 x 1/4
CENTER NAILER	L 2 x 2 x 3/16
TOP RAIL	HSS 2 x 2 x 3/16
PICKET	L 1 1/4 x 1 1/4 x 1/8
TOE RAIL	HSS 4 x 2 x 3/16

- ① USE HSS 10 x 10 x 1/2 FOR (2) CENTER SECTIONS OF BOTTOM CHORDS, TYP BOTH SIDES.
- ② USE HSS 10 x 8 x 3/8 FOR FIRST (6) INTERIOR VERTICALS, TYP BOTH SIDES.
- ③ USE HSS 8 x 6 x 3/8 FOR FIRST (3) DIAGONALS, TYP BOTH SIDES.
USE HSS 6 x 4 x 1/4 FOR 4th & 5th DIAGONALS, TYP BOTH SIDES.
DOUBLE MITER ALL DIAGONALS.
- ④ USE HSS 6 x 6 x 1/4 FOR FIRST (2) BRACE DIAGONALS, TYP BOTH SIDES.
USE HSS 5 x 5 x 1/4 FOR 3rd THRU 6th BRACE DIAGONALS, TYP BOTH SIDES.
DOUBLE MITER BOTH ENDS OF ALL BRACE DIAGONALS, EXCEPT SINGLE MITER END BAY BRACE DIAGONALS ONTO END VERTICALS.

◆ CVN:
FRACTURE CRITICAL MEMBER
- CHARPY V-NOTCH TESTED TO FRACTURE CRITICAL REQUIREMENTS
- ALL WELDS TO THESE MEMBERS SHALL BE CONSIDERED FRACTURE CRITICAL PER AWS D1.5 CLAUSE 12.

GENERAL NOTES

1. DESIGN STRESSES ARE IN ACCORDANCE WITH "STANDARD SPECIFICATION FOR HIGHWAY BRIDGES" 6th EDITION & "GUIDE SPECIFICATIONS FOR DESIGN OF PEDESTRIAN BRIDGES" LATEST EDITION BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO).
2. BRIDGE MEMBERS ARE FABRICATED FROM HIGH STRENGTH, LOW ALLOY, ENHANCED ATMOSPHERIC CORROSION RESISTANT ASTM A847 COLD-FORMED WELDED SQUARE AND RECTANGULAR TUBING, AND ASTM A588, ASTM A606, OR ASTM A709-50W PLATE AND STRUCTURAL SHAPES (Fy=50,000 PSI).
3. BRIDGE DECK 1 1/2" THICK NATURALLY DURABLE IPE (TABEBUIA SPP LAPACHO GROUP), FEQ GRADE.
4. THE GAS METAL ARC WELDING PROCESS OR FLUX CORED ARC WELDING PROCESS WILL BE USED. WELDING TO BE IN ACCORDANCE WITH AWS D1.1.
5. ALL TOP AND BOTTOM CHORD SHOP SPLICES TO BE COMPLETE PENETRATION TYPE WELDS. WELD BETWEEN TOP CHORD AND END VERTICAL SHALL BE AS DETAILED.
6. UNLESS OTHERWISE NOTED, WELDED CONNECTIONS SHALL BE FILLET WELDS (OR HAVE THE EFFECTIVE THROAT OF A FILLET WELD) OF A SIZE EQUAL TO THE THICKNESS OF THE LIGHTEST GAGE MEMBER IN THE CONNECTION. WELDS SHALL BE APPLIED AS FOLLOWS:
 - A. BOTH ENDS OF VERTICALS, DIAGONALS, AND FLOOR BEAMS SHALL BE WELDED ALL AROUND.
 - B. BRACE DIAGONALS WILL BE WELDED ALL AROUND.
 - C. BOTTOM OF STRINGERS WILL BE STITCH WELDED TO TOP OF FLOOR BEAMS.
 - D. MISCELLANEOUS NON-STRUCTURAL MEMBERS WILL BE STITCH WELDED TO THEIR SUPPORTING MEMBERS.
7. BRIDGE DESIGN WAS ONLY BASED ON COMBINATIONS OF THE FOLLOWING LOADS WHICH WILL PRODUCE MAXIMUM CRITICAL MEMBER STRESSES.
 - A. 90 PSF UNIFORM LIVE LOADING ON THE FULL DECK AREA OR ONE 10,000 LB VEHICLE LOAD. THE LOAD SHALL BE DISTRIBUTED AS A FOUR-WHEEL VEHICLE WITH 80% OF THE LOAD ON THE REAR WHEELS. THE WHEEL TRACK WIDTH OF THE VEHICLE SHALL BE 6'-0" AND THE WHEEL BASE SHALL BE 10'-0". THE VEHICLE SHALL BE POSITIONED SO AS TO PRODUCE THE MAXIMUM STRESSES IN EACH MEMBER,

- INCLUDING DECKING.
- B. 67 PSF WIND LOAD PER AASHTO SIGNS AND LUMINEERS.
- C. 20 PSF UPWARD FORCE APPLIED AT THE WINDWARD QUARTER POINT OF THE TRANSVERSE BRIDGE WIDTH (AASHTO 3.8.2).
- 8. CLEANING: ALL EXPOSED SURFACES OF STEEL SHALL BE CLEANED IN ACCORDANCE WITH STEEL STRUCTURES PAINTING COUNCIL SURFACES PREPARATION SPECIFICATIONS NO. 7 BRUSH-OFF BLAST CLEANING. SSPC-SP7-LATEST EDITION.
- 9. MINIMUM MATERIAL THICKNESS OF 1/4" ON ALL STRUCTURAL MEMBERS.

CONTECH
FABRICATION
DRAWING

REVIEWER'S STAMP

QUINNIPIAC RIVER LINEAR TRAIL PHASE 3
 PEDESTRIAN BRIDGE
 WALLINGFORD, CT

CONTECH ENGINEERED SOLUTIONS LLC
 www.conteches.com
 8301 State Highway 29 North, Annapolis, MD 21408
 410-293-2447 304-662-7450 304-982-7047 FAX

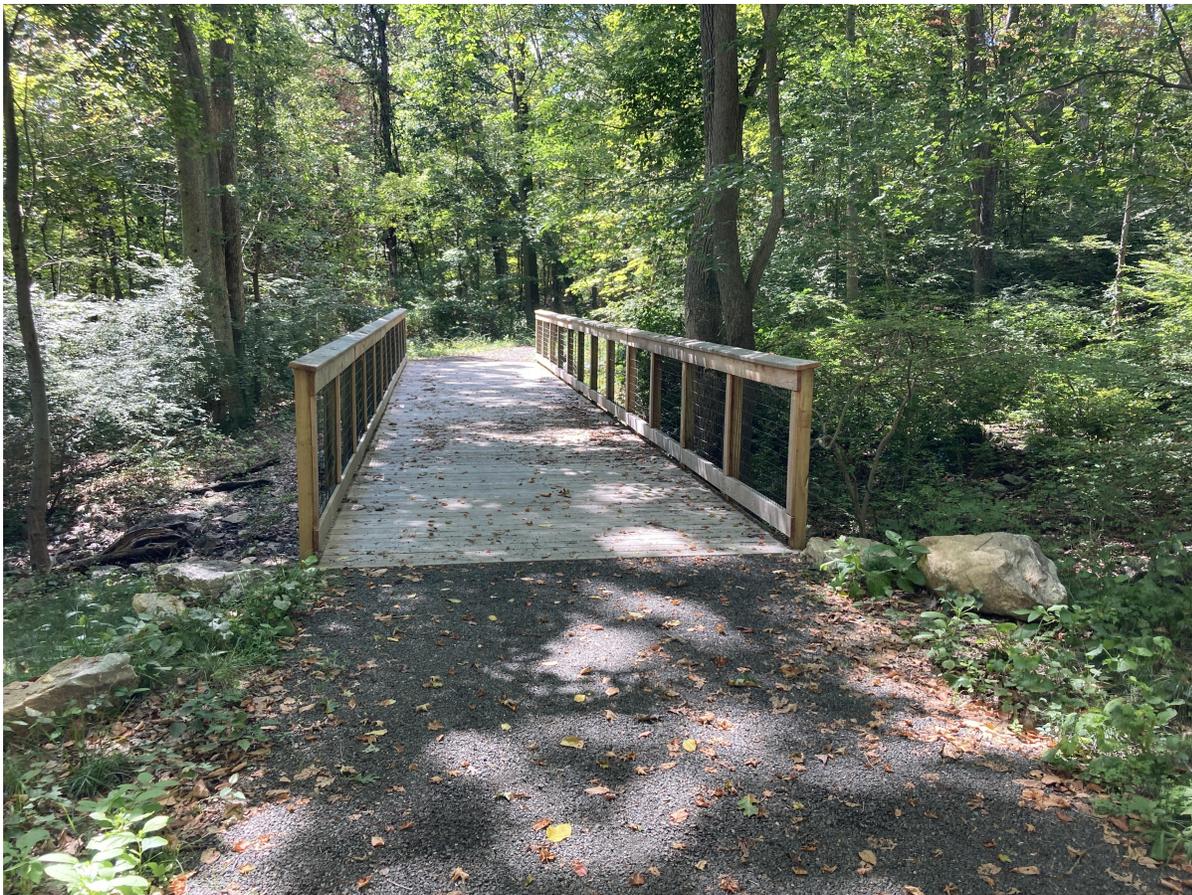
CONTINENTAL BRIDGE

DATE	7/8/2015
DESIGNED:	SEC
DRAWN:	KBK
CHECKED:	SEC
APPROVED:	BAH
PROJECT No.:	448517
SEQUENCE No.:	001
SHEET:	1 OF 6

C:\11 CURRENT PROJECT ON C:\448517.DWG 7/15/2015 4:03 PM



EXAMPLE OF EXISTING BRIDGE RETROFITTED FOR A TRAIL CROSSING



EXAMPLE OF BOARDWALK OVER WETLAND/WATERCOURSE

Appendix F – Preliminary Opinion of Probable Cost

Construction Cost Estimate |
STILLRIVER GREENWAY TRAIL EXTENSION OPTION 4 - SRGT, BROOKFIELD

Major and Minor Contract Items

Item No.	Item	Unit	Quantity	Unit \$	Total Cost
0202000	Earthwork	CY	5200	\$ 25.00	\$ 130,000.00
0202100	Rock Excavation	CY	260	\$ 200.00	\$ 52,000.00
0219001	Sedimentation Control System	LF	7200	\$ 4.00	\$ 28,800.00
0506026	Retaining Wall	SF	540	\$ 70.00	\$ 37,800.00
0813021	6" Granite Curbing	LF	1450	\$ 56.64	\$ 82,128.00
0906202	Wood Fence	LF	850	\$ 100.00	\$ 85,000.00
0913016	6' Chain Link Fence	LF	1567	\$ 7.00	\$ 10,969.00
0921001	Concrete sidewalk	SF	14000	\$ 12.63	\$ 176,820.00
0921018	Brick Pavers	SF	3900	\$ 34.11	\$ 133,029.00
0922001	Bituminous Concrete Sidewalk	SY	4711	\$ 57.85	\$ 272,537.78
0922103A	Boardwalk	SF	3200	\$ 130.00	\$ 416,000.00
0950029	New England Seed Mix	SY	4000	\$ 3.00	\$ 12,000.00
0944106	Stockpiling and Placing Topsoil	CY	667	\$ 45.00	\$ 30,000.00

A Major Items Subtotal					\$ 1,467,084
B Minor Items Subtotal	25	% of Line "A"			\$ 366,771
C Major and Minor Contract Items Subtotal (A + B)					\$ 1,833,855

Other Item Allowances

Clearing and Grubbing	5	% of Line "C"	\$ 91,693
M & P of Traffic	2	% of Line "C"	\$ 36,677
Mobilization	5	% of Line "C"	\$ 91,693
Construction Staking	1	% of Line "C"	\$ 18,339

D Other Items Subtotal				\$ 238,402
E CONTRACT SUBTOTAL (C + D)				\$ 2,072,257

Inflation Costs (Simple Method)

Date of Estimate	Oct-23
Anticipated Bid Date	Oct-24
Annual Inflation	8%

F Inflation Subtotal	8.0%	of Line "E"	\$ 165,781
G TOTAL CONTRACT COST ESTIMATE (E + F) (Rounded to nearest \$1000)			\$ 2,238,000

LOTICIP Project Costs Summary		
Contract Cost Estimate (Line "G")		\$ 2,238,000
Contingencies	25%	\$ 559,500
Incidentals	25%	\$ 559,500
ROW	LS	N/A
Utilities	LS	N/A
TOTAL PROJECT COST		\$ 3,357,000

CTDOT FUNDING COMMITMENT (DATE)	\$ -
--	-------------

Construction Cost Estimate |
STILLRIVER GREENWAY TRAIL EXTENSION ALTERNATIVE OPTION 4 - SRGT, BROOKFIELD

Major and Minor Contract Items

Item No.	Item	Unit	Quantity	Unit \$	Total Cost
0202000	Earthwork	CY	6000	\$ 25.00	\$ 150,000.00
0202100	Rock Excavation	CY	300	\$ 200.00	\$ 60,000.00
0219001	Sedimentation Control System	LF	7800	\$ 4.00	\$ 31,200.00
0506026	Retaining Wall	SF	540	\$ 70.00	\$ 37,800.00
0813021	6" Granite Curbing	LF	1450	\$ 56.64	\$ 82,128.00
0906202	Wood Fence	LF	650	\$ 100.00	\$ 65,000.00
0913016	6' Chain Link Fence	LF	4237	\$ 7.00	\$ 29,659.00
0921001	Concrete sidewalk	SF	14000	\$ 12.63	\$ 176,820.00
0921018	Brick Pavers	SF	4350	\$ 34.11	\$ 148,378.50
0922001	Bituminous Concrete Sidewalk	SY	5448	\$ 57.85	\$ 315,155.23
0922103A	Boardwalk	SF	1600	\$ 130.00	\$ 208,000.00
0950029	New England Seed Mix	SY	4333	\$ 3.00	\$ 13,000.00
0944106	Stockpiling and Placing Topsoil	CY	722	\$ 45.00	\$ 32,500.00

A Major Items Subtotal					\$ 1,349,641
B Minor Items Subtotal	25	% of Line "A"			\$ 337,410
C Major and Minor Contract Items Subtotal (A + B)					\$ 1,687,051

Other Item Allowances

Clearing and Grubbing	5	% of Line "C"	\$ 84,353
M & P of Traffic	2	% of Line "C"	\$ 33,741
Mobilization	5	% of Line "C"	\$ 84,353
Construction Staking	1	% of Line "C"	\$ 16,871

D Other Items Subtotal				\$ 219,318
E CONTRACT SUBTOTAL (C + D)				\$ 1,906,369

Inflation Costs (Simple Method)

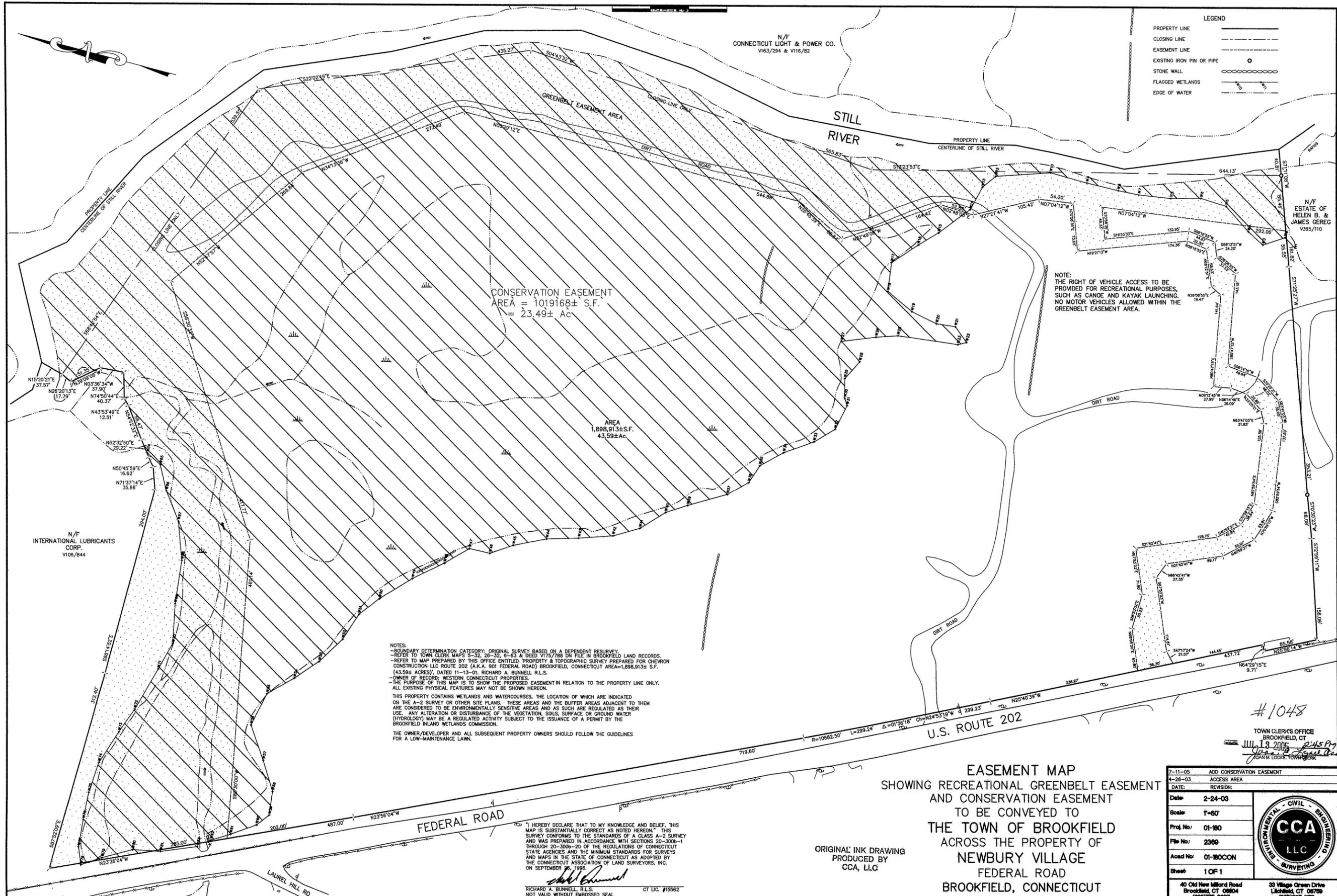
Date of Estimate	Oct-23		
Anticipated Bid Date	Oct-24		
Annual Inflation	8%		
F Inflation Subtotal	8.0%	of Line "E"	\$ 152,509

G TOTAL CONTRACT COST ESTIMATE (E + F) (Rounded to nearest \$1000)				\$ 2,059,000
---	--	--	--	---------------------

LOTICIP Project Costs Summary			
Contract Cost Estimate (Line "G")			\$ 2,059,000
Contingencies	25%		\$ 514,750
Incidentals	25%		\$ 514,750
ROW	LS		N/A
Utilities	LS		N/A
TOTAL PROJECT COST			\$ 3,088,500

CTDOT FUNDING COMMITMENT (DATE)			\$ -
--	--	--	-------------

Appendix G – Property/ Easement Maps



LEGEND

PROPERTY LINE	---
CLOSING LINE	---
EASEMENT LINE	---
EXISTING IRON PIN OR PIPE	o
STONE WALL	o-o-o-o-o
FLAGGED WETLANDS	---/---
EDGE OF WATER	---

NOTE:
THE RIGHT OF VEHICLE ACCESS TO BE PROVIDED FOR RECREATIONAL PURPOSES, SUCH AS CANOE AND KAYAK LAUNCHING. NO MOTOR VEHICLES ALLOWED WITHIN THE GREENBELT EASEMENT AREA.

NOTES:
-BOUNDARY DETERMINATION CATEGORY: ORIGINAL SURVEY BASED ON A DEPENDENT RESURVEY.
-REFER TO TOWN CLERK MAPS 5-32, 26-32, 6-63 & DEED V176/788 ON FILE IN BROOKFIELD LAND RECORDS.
-REFER TO MAP PREPARED BY THIS OFFICE ENTITLED "PROPERTY & TOPOGRAPHIC SURVEY PREPARED FOR CHEVRON CONSTRUCTION LLC ROUTE 202 (A.K.A. 901 FEDERAL ROAD) BROOKFIELD, CONNECTICUT AREA=1,898,913± S.F. (43.59± ACRES)", DATED 11-13-01, RICHARD A. BUNNELL R.L.S.
-OWNER OF RECORD: WESTERN CONNECTICUT PROPERTIES.
-THE PURPOSE OF THIS MAP IS TO SHOW THE PROPOSED EASEMENT IN RELATION TO THE PROPERTY LINE ONLY. ALL EXISTING PHYSICAL FEATURES MAY NOT BE SHOWN HEREON.
THIS PROPERTY CONTAINS WETLANDS AND WATERCOURSES, THE LOCATION OF WHICH ARE INDICATED ON THE A-2 SURVEY OR OTHER SITE PLANS. THESE AREAS AND THE BUFFER AREAS ADJACENT TO THEM ARE CONSIDERED TO BE ENVIRONMENTALLY SENSITIVE AREAS AND AS SUCH ARE REGULATED AS THEIR USE. ANY ALTERATION OR DISTURBANCE OF THE VEGETATION, SOILS, SURFACE OR GROUND WATER (HYDROLOGY) MAY BE A REGULATED ACTIVITY SUBJECT TO THE ISSUANCE OF A PERMIT BY THE BROOKFIELD INLAND WETLANDS COMMISSION.
THE OWNER/DEVELOPER AND ALL SUBSEQUENT PROPERTY OWNERS SHOULD FOLLOW THE GUIDELINES FOR A LOW-MAINTENANCE LAWN.

I HEREBY DECLARE THAT TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. THIS SURVEY CONFORMS TO THE STANDARDS OF A CLASS A-2 SURVEY AND WAS PREPARED IN ACCORDANCE WITH SECTIONS 20-300b-1 THROUGH 20-300b-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES AND THE MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.
RICHARD A. BUNNELL, R.L.S. CT LIC. #15562
NOT VALID WITHOUT EMBOSSED SEAL

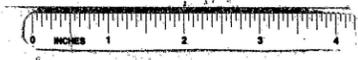
EASEMENT MAP
SHOWING RECREATIONAL GREENBELT EASEMENT
AND CONSERVATION EASEMENT
TO BE CONVEYED TO
THE TOWN OF BROOKFIELD
ACROSS THE PROPERTY OF
NEWBURY VILLAGE
FEDERAL ROAD
BROOKFIELD, CONNECTICUT

7-11-05	ADD CONSERVATION EASEMENT
4-26-03	ACCESS AREA
DATE:	REVISION:
Date:	2-24-03
Scale:	1"=60'
Proj No.:	01-80
File No.:	2369
Acad No.:	01-180CON
Sheet:	1 OF 1

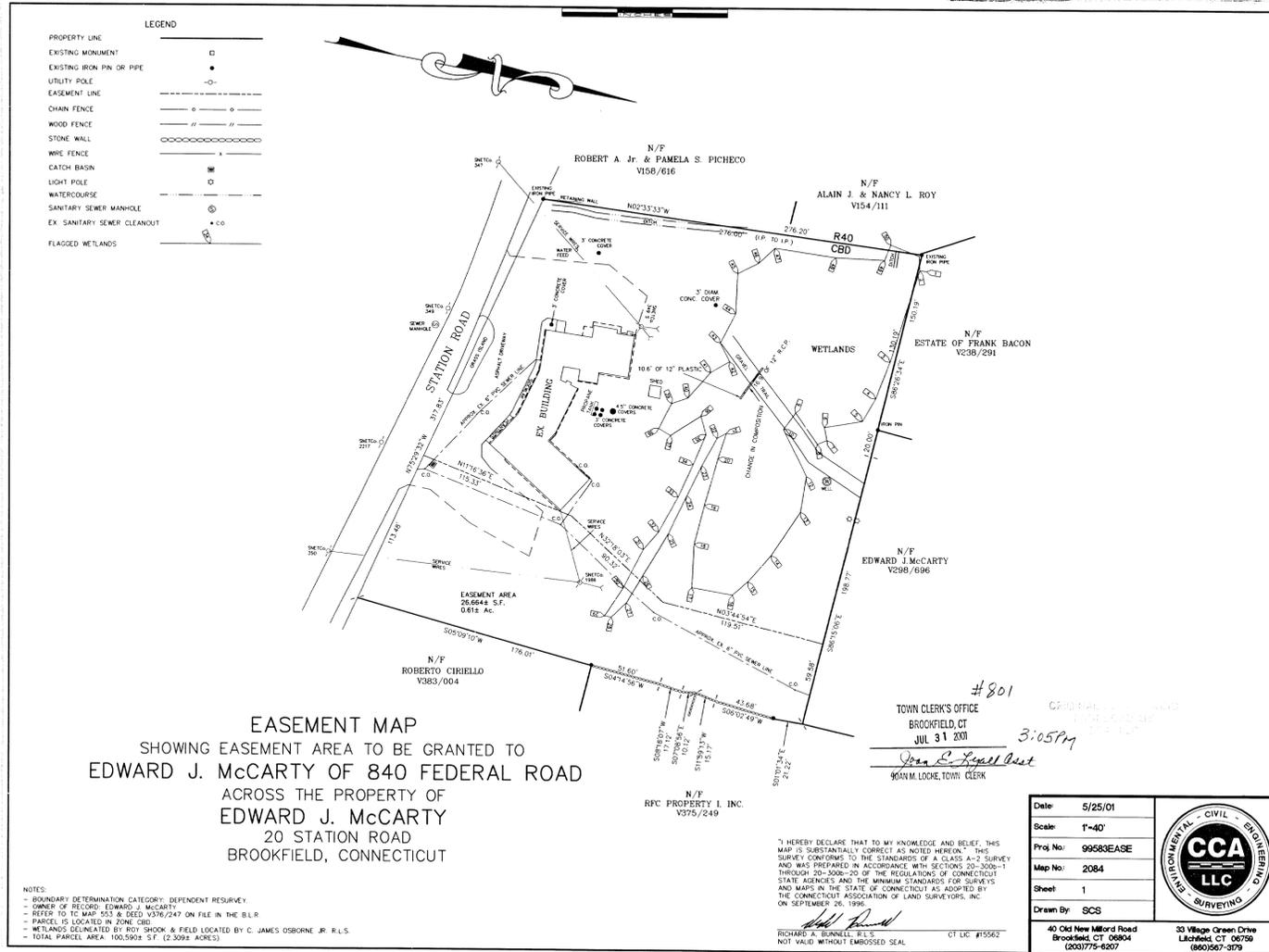
#1048
TOWN CLERK'S OFFICE
BROOKFIELD, CT
JUL 13 2005 2:45 PM
JOHN A. LOGGIE, TOWN CLERK

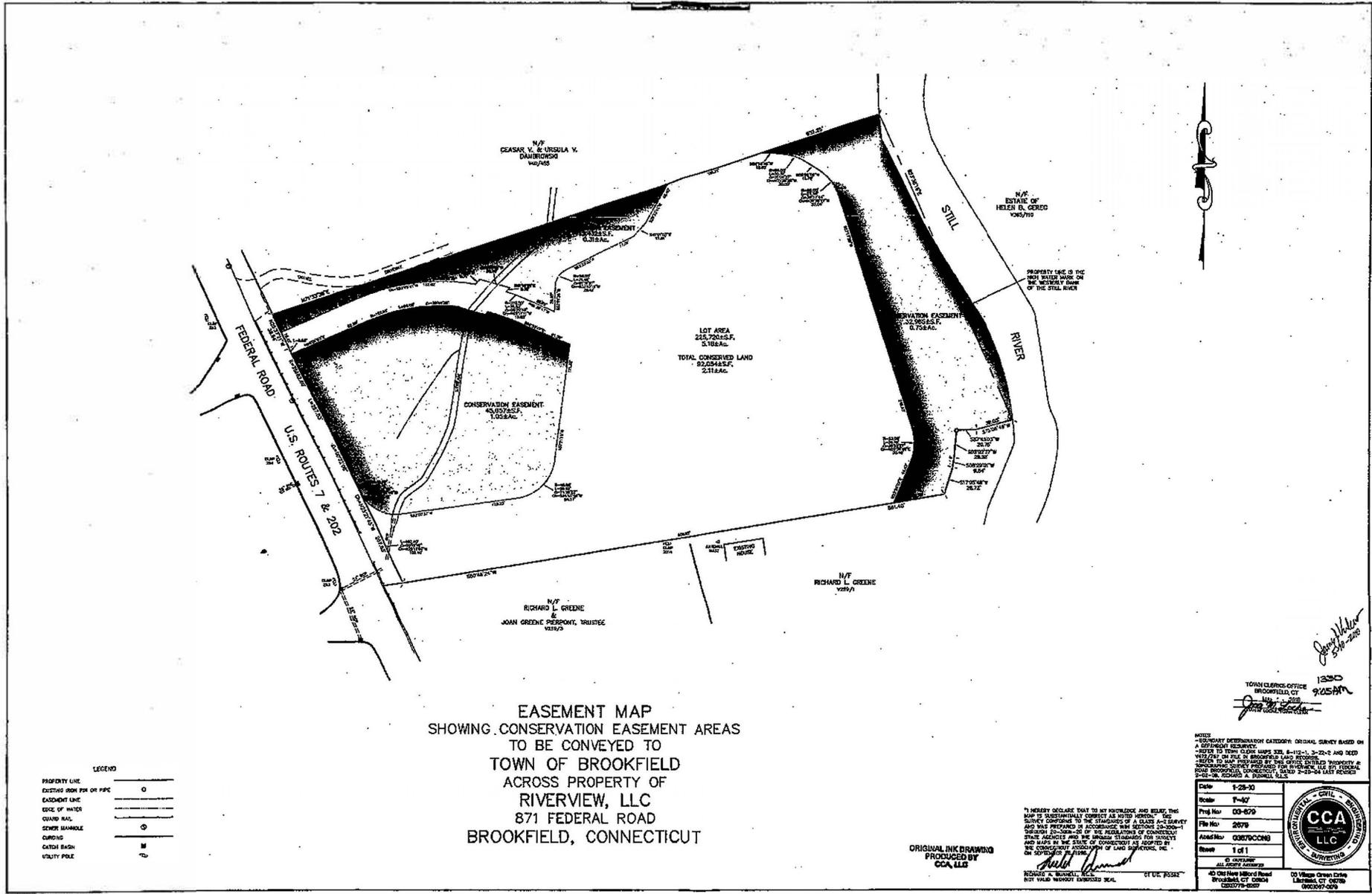
40 Old New Milford Road
Brookfield, CT 06804
(203)775-8207

33 Village Green Drive
Brookfield, CT 06804
(860)867-3079



801





EASEMENT MAP
 SHOWING CONSERVATION EASEMENT AREAS
 TO BE CONVEYED TO
 TOWN OF BROOKFIELD
 ACROSS PROPERTY OF
 RIVERVIEW, LLC
 871 FEDERAL ROAD
 BROOKFIELD, CONNECTICUT

LEGEND

PROPERTY LINE	---
EXISTING IRON PIPE OR PIPE	○
EASEMENT LINE	---
EDGE OF WATER	---
CONVD. RAIL	---
CONV. SHANKLE	○
CURBED	---
CATCH BASIN	M
UTILITY POLE	⊕

ORIGINAL INK DRAWING
 PRODUCED BY
 CCA, LLC

I HEREBY DECLARE THAT TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. THE SURVEY CONFORMS TO THE STANDARDS OF A CLASS A-2 SURVEY AND HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 31-200a-1 THROUGH 31-200a-10 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES AND THE UNIFORM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT AS ADOPTED BY AN ORDINANCE OF THE TOWN OF BROOKFIELD, CT.

RICHARD A. BUNNELL, LLC
 NOT VALID WITHOUT EMBOSSED SEAL

OF U.S. 2024

TOWN CLERK'S OFFICE
 BROOKFIELD, CT
 May 13, 2024
 1330
 9:05 AM

NOTES:
 -SECONDARY INFORMATION CATEGORY: ORIGINAL SURVEY BASED ON A SECONDARY SURVEY.
 -REFER TO TOWN CLERK'S MAPS 133, 8-112-1, 3-22-2 AND DEED 102579 ON FILE IN BROOKFIELD LAND RECORDS.
 -REFER TO MAP PRODUCED BY THIS OFFICE DATED 10/15/73 FOR A MORE DETAILED DESCRIPTION OF 871 FEDERAL ROAD, BROOKFIELD, CONNECTICUT. DEED 2-23-04 LAST RECORDED 2-03-08, RICHARD A. BUNNELL, LLC.

Date	1-28-30
Scale	1"=40'
Proj. No.	00-000
File No.	2078
Acad. No.	00870008
Sheet	1 of 1

40 One Hill Road
 Brookfield, CT 06799
 860.776.8000

CC
 100 Village Green Circle
 Litchfield, CT 06759
 860.527.4200

Appendix H – Other Information

From: DiCamillo, Antonio
Sent: Wednesday, November 16, 2022 2:50 PM
To: Mai, Brian
Subject: FW: Still River Greenway - Brookfield CT Greenway Designation

From: Bradley, Kimberly <Kimberly.Bradley@ct.gov>
Sent: Tuesday, September 13, 2022 1:54 PM
To: DiCamillo, Antonio <Antonio.DiCamillo@stantec.com>
Subject: Still River Greenway - Brookfield CT Greenway Designation

Hi Antinio,

Thank you for reaching out. As we discussed the criteria for establishing CT Greenways are summarized on the following DEEP websites:

[Establishing Greenways Criteria \(ct.gov\)](#)

[Official Connecticut Greenways](#)

There is no reason for concern that specific design aspects of the trail corridor could impact CT Greenway designation.

Still River was designated as a CT Greenway back in 2002. I am going to check with Laurie Giannotti and Bruce Donald from the CT Greenways Council, but I anticipate we can include expanded sections of the trail into the Greenway designation. It is exciting to hear the project is continuing to grow.

Please feel free to reach out if you have any additional questions.

Kim Bradley

Kimberly Bradley

CT State Parks Trails & Greenways Program
Connecticut Department of Energy and Environmental Protection
79 Elm Street, Hartford, CT 06106-5127

P: 860-424-3938 | C: 203-915-5201 | E: kimberly.bradley@ct.gov
[Recreational Trails Program](#)

[CT Greenways Program](#)

[\(/DEEP\)](#)

Connecticut Department of Energy and Environmental Protection

[CT.gov Home](#) [\(/\)](#) [Department of Energy and Environmental Protection](#) [\(/DEEP\)](#) [Outdoor Recreation](#) [\(/DEEP/Outdoor-Recreation/Outdoor-Recreation\)](#)

Establishing Greenways Criteria

Criteria for the Designation of Connecticut Greenways

In 1995 the Connecticut General Assembly acted upon the recommendations of the Governor's Greenways Committee and passed Public Act 95-335, which institutionalized Connecticut's greenways program. A highlight of this legislation was the establishment of the Connecticut Greenways Council. One of the Council's duties is the development of criteria for the designation of greenways around the state.

The Public Act defines greenway as a "corridor of open space" that:

1. may protect natural resources, preserve scenic landscapes and historical resources or offer opportunities for recreation or non-motorized transportation;
2. may connect existing protected areas and provide access to the outdoors;
3. may be located along a defining natural feature, such as a waterway, along a man-made corridor, including an unused right of way, traditional trail routes or historic barge canals; or
4. may be a green space along a highway or around a village.

In order to meet the criteria for official designation as a greenway, open spaces and/or pathways must fit at least one aspect of this definition. The critical element, however, is connectivity. While a loop trail in a public park may fit many recreational and open space needs, if it offers no opportunities for connecting to a greater system it does not qualify as a greenway. Conversely, a short segment of open space along a ridgeline or waterway may be deemed part of a greenway if future plans include its linkage to a larger system.

The process of greenway designation will require not only the involvement of the Greenways Council. It will also mean that there is a commitment on the local level to a project's long-term success as well. Officially designated recreational greenways will receive special signs to post at trailheads and road crossings; those that serve a resource protection function may also post these signs where appropriate. All of the designated greenways will be forwarded to the Office of Policy and Management for inclusion in future revisions of the State Plan of Conservation and Development, and will also be incorporated into any greenway plans developed by the Department of Energy and Environmental Protection.

Greenways can be much more than linear open spaces. They can be the links from city to country, from village to village, from state to state. They can reconnect people to their communities, to rivers, fields, and hillsides, enhancing the sense of place that helps define the quality of life in Connecticut. It has been said that greenways connect the places we live with the places we love. It is the hope of the Connecticut Greenways Council that the designation process will help in the development, enhancement, and preservation of those places.

The following are the suggested criteria for the designation of greenways in Connecticut. The Greenways Council and the Department of Energy and Environmental Protection may designate such areas as they deem fit these criteria. Municipalities, non-profits, or other sponsoring agencies may submit projects to the Greenways Council for designation.

Criteria for the Designation of Greenways in Connecticut

In order to be considered for official greenway designation, a project must meet at least one of the following criteria:

1. The corridor connects existing open space, trail segments, historical/cultural assets; provides alternative transportation opportunity; may be of varying lengths, but connects neighborhoods to schools, town centers, parks and recreation areas, transportation centers, or open spaces.
2. If the greenway is a municipal project, it must be included in local plan of Conservation and Development (or in the next revision thereof), and must be endorsed by the local government through a municipal resolution or compact;
3. If the greenway is a regional project, it must be included in plans of relevant Regional Planning Agency, or Council of Governments, with endorsements by the affected municipalities; or, an inter-municipal compact may be developed between towns;
4. If the greenway is a non-governmental project, it must be sponsored by organization with proven record of land use protection/recreational use, or with proven resources needed for project success; licensing, easements, or other agreements for use of state, municipal, or private land must be on file; it must be endorsed by the local government through a municipal resolution or compact;
5. The segment submitted for designation may be a key link in an emerging greenway, either for conservation or recreation purposes;
6. Once designated, such greenway shall be reflected in the State Plan of Conservation and Development as revised by the Office of Policy and Management and in any state-wide greenway plan developed by the Department of Energy and Environmental Protection.
7. Greenway designation may be revised by The Greenways Council should the designated use change.

Content last updated November 17, 2014