



City of Bristol
Conservation Commission/ Inland Wetlands and Watercourses Agency

REGULAR MEETING - MONDAY, JULY 1, 2024
CITY HALL COUNCIL CHAMBERS
111 NORTH MAIN STREET
6:30 P.M.

INFORMATION FOR THE PUBLIC TO ACCESS THIS MEETING

Zoom Meeting link:

<https://bristolct-gov.zoom.us/j/89407427553?pwd=6q9Nj98sL47fMjXq1USdOCdYlpmSpd.1>

Meeting ID:

894 0742 7553

Meeting Passcode:

123456

Join by phone

1-929-205-6099

AGENDA

1. Pledge of Allegiance
2. Call to Order
3. Public Participation
4. Approval of Minutes
 - a. Regular Meeting - June 3, 2024
5. Public Hearings
 - a. Application #2032 - Wetlands application for the reconstruction of Minor Street including drainage at the intersection of Minor Street and Hill Street extending approximately 475 feet west and within City of Bristol Right-of-Way; City of Bristol, Department of Public Works, applicant.
6. Receipt of New Applications

- a. Application #2033 – Wetlands application to add approximately 80 cubic yards of top soil on existing field to a depth of approximately 2 inches and re-seed at 1001 Stafford Avenue; Assessor's Map 53, Lot 148; St. Paul Catholic High School, applicant.
 - b. Application #2034 – Wetlands application to construct a wetlands crossing (access bridge) to rear of property and construction in the upland review area (two new single-family residential homes) as part of a greater 16 lot single-family residential subdivision at 260 Perkins Street and Rear Lot; Assessor's Map 60, Lots 12-5 & 11 (Rear Lot); P&B Properties LLC, applicant.
- 7. Old Business
 - 8. New Business
 - 9. Staff Reports
 - a. IWWC Report - June 2024
 - 10. Communications
 - a. City Council Appointment Letter - Laura Valentino
 - b. CACIWC 50th Anniversary
 - c. IWWC Meeting Date Change - August Regular Meeting
 - 11. Adjournment

REMINDER: The next SPECIAL Meeting of the Inland Wetland Commission is Monday, August 12, 2024

**BRISTOL INLAND WETLANDS AND WATERCOURSES AGENCY
MINUTES
REGULAR MEETING OF MONDAY JUNE 3, 2024**

By: Chairman Fisk

Time: 6:30 P.M.

Place: City Hall
Council Chambers
111 North Main St.
First Floor

MEMBERS	NAME:	PRESENT	ABSENT
REGULAR MEMBERS	Zachary Fisk (Chairman)	X	
	Michael Robinson (Vice Chairman)	X	
	David Rooks (Secretary)	X	
	James Carros	X	
	Daniel Massaro, Jr.	X	
	James Ritchie	X	
	Faye Duquette	X	
ALTERNATE MEMBERS	Greg Klimek	X	
STAFF	Raymond Rogozinski, P.E., Director of Public Works	X	

Per the order of Chairman Fisk, the meeting was called to order at 6:30 P.M.

1. Pledge of Allegiance
2. Introductions and Seating of Alternate Commissioners
3. Public Participation (Non-Pending Applications)

None

4. Acceptance of Minutes
 - a. May 2, 2024 – On-Site Meeting
 - b. May 6, 2024 – Regular Meeting
 - c. May 22, 2024 – Special Meeting
 - d. May 22, 2024 – On-Site Meeting

MOTION: Move to approve the minutes of the May 2, 2024, On Site meeting, as amended.

By: Robinson

Seconded: Carros

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

MOTION: Move to approve the minutes of the May 6, 2024, regular meeting, as amended.

By: Robinson

Seconded: Carros

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

MOTION: Move to approve the minutes of the May 22, 2024 of the special meeting, as amended.

By: Robinson

Seconded: Carros

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

MOTION: Move to approve the minutes of the May 22, 2024 on site meeting, as amended.

By: Robinson

Seconded: Carros

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

MOTION: to move item 8 A, B and C up on the agenda

By: Robinson

Seconded: Rooks

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

7. Old Business

- a. Application #2019 – Wetlands boundary change application for the restoration of the White Bridge Waterworks facility at Maltby Street; Assessor's Map 52 & 53, Lots 11, 15, 16B16A, 17, 145, 147, 149, 150 & 151; New Britain Water Department, Ramon Esponda, Deputy Director, applicant.
- b. Application #2020 – Wetlands application for the restoration of the White Bridge Waterworks facility at Maltby Street; Assessor's Map 52 & 53, Lots 11, 15, 16B16A, 17, 145, 147, 149, 150 & 151; New Britain Water Department, Ramon Esponda, Deputy Director, applicant.
- c. Application #23-458F-305 – Floodplain application for the restoration of the White Bridge Waterworks facility at Maltby Street; Assessor's Map 52 & 53, Lots 11, 15, 16B16A, 17, 145, 147, 149, 150 & 151; New Britain Water Department, Ramon Esponda, Deputy Director, applicant.

The Commission received the following items in their electronic packets (from the packing list) for Application #2019:

App. 2019

- a. Application
- b. Assessor's Map with Inland Wetlands Watercourse Layers
- c. Narrative (2 pages)
- d. May 1, 2024 Letter from Sebastian Amenta (4 pages).
- e. Review comments by Ray Rogozinski & Responses – April 22, 2024 & May 2, 2024 (5 pages).
- f. Letter from Carol Noble (8 pages)
- g. Link to 3rd Party Review Agreement (22 pages)
- h. Link to Response 1 Attachments (61 pages)
- i. Response 2 Attachment (2 pages)
- j. Link to Response 3 Attachment (9 pages)
- k. Response 4 Attachment (2 pages)
- l. Link to Response 5 Attachments (5 pages)
- m. Link to Response 9 Attachments (20 pages)
- n. Attachment 10 - CT DEEP Permit Need Determination (3 pages)
- o. Link to Attachment 11 – Detailed Groundwater and Stream Monitoring Plan (11 pages)
- p. Attachment 12 – Letter confirming hydrologic information for project site remains valid (2 pages)
- q. Attachment 13 – Proposed wetlands boundary line change map (2 pages)
- r. Attachment 14 – Resumes of Engineers and Soil Scientists (11 pages)
- s. Letter dated March 28, 2024, from Cameron Covill, North Central Conservation District, Inc., regarding Review of Wetlands Application, New Britain Water Department (3 Pgs.)

- t. Link to Hydrogeologic Study (3 pages)
- u. Link to Application #2019 Correspondence (38 pages)
- v. Summary of Updates Sheet (2 pages)
- w. Whitesbridge Wellsfields Overall Map (1 page)
- x. Letter from Graham Stevens dated February 21, 2024 (2 pages)
- y. Letter dated May 6, 2022, from ConnDEEP, regarding Natural Diversity Database (NDDDB) maps and files (2 pages).
- z. Verified Petition to Intervene Under CGS 22a-19, submitted by Rivers Alliance of Connecticut (8 pages)
- aa. Letter dated April 27, 2022, from CDM to the CT State Historic Preservation Office, regarding 106 Review, Replacement of White Bridge Waterworks Facilities Applicant: City of New Britain.
- bb. Photos Submitted by Daniel Sutula dated March 11, 2024 (1 page)
- cc. Attachments: Project Site Map; Additional Information; Project Drawings; Abutting Property Map and Property Owners Map; Site Survey: Wetland Replication Areas (26 pages).

The Commission received the following items in their electronic packets previously for Application #2019:

- a. Assessor's Map with Inland Wetlands Watercourse Layers
- b. Application (Attachments 1 to 5: Project Site Map; Additional Information; Project Drawings; Abutting Property Map and Property Owners Map; Site Survey (Wetland Replication Areas.)
- c. Letter, dated March 27, 2024, from John Correia, Wildlife Field Scientist for DEEP, land trusts, non-profits, and universities
- d. Letter from Rivers Alliance of Connecticut, submitted by Alicia Charamut, Executive Director
- e. Verified Petition to Intervene Under CGS 22a-19, submitted by Rivers Alliance of Connecticut
- f. Soil Scientist Report, dated September 29, 2023 (Attachment 6)
- g. Stormwater Management Report dated December 18, 2023, regarding Supplemental Wetland Delineation Report 2023 (attached)
- h. maps and photographs), from C. Webb & Associates, LLC Environmental Consulting Services
- i. White Bridge Waterworks, Data Form Plot reports dated September 2022
- j. Wetland Survey Photos September 28, 2023, NBWC – Maltby Street – Mix Street Sewer Extension Project (attached Wetland Restoration & Mitigation Plan Sheets; Proposed NBWC – Bristol Facility Plantings Sheets; and City of Bristol GIS Wetland Boundary maps (Electronic Copy Only)
- k. Letter dated May 6, 2022, from ConnDEEP, regarding Natural Diversity Database (NDDDB) maps and files
- l. Form dated April 27, 2022, from ConnDECD, regarding White Bridge Waterworks Facilities
- m. Letter dated April 27, 2022, from CDM to the CT State Historic Preservation Office, regarding 106 Review, Replacement of White Bridge Waterworks Facilities Applicant: City of New Britain
- n. Form dated April 27, 2022, from ConnDECD, regarding White Bridge Waterworks Facilities (10 attached maps)
- o. Existing and Proposed Test Wells and Stream Gauges Overall Map, dated December 9, 2022
- p. Plan (Electronic Copy Only)
- q. Map entitled Whites Bridge Wellfields, NBWD, Bristol, CT, Existing and Proposed Test Wells and Stream Gauges, Overall Map
- r. CT DEEP Form, dated April 27, 2022, regarding White Bridge Waterworks Facilities
- s. Letter dated May 6, 2022, from ConnDEEP, regarding NDDDB Determination #202205409, Replace existing groundwater wells, Upper & Lower Wellfields, White Bridge Waterworks Facility, off Maltby St., Bristol
- t. Letter dated February 2, 2024, from Carol Noble, P.E., CFM, to Chairman Zachary Fisk, regarding Applications #2019, #2020 and #23-569F-305
- u. Letter dated February 5, 2023 (2024), from Alicia Charamut, Executive Director of River Alliance of CT, regarding Applications #2019, #2020 and #23-569F-305
- v. PowerPoint Presentation, entitled White Bridge Waterworks Facilities, Application #2019, #2020 and #23-458F-305, Inland Wetlands and Watercourses & conservation Commission Public Hearing, dated February 5, 2024

The Commission received the following items in their electronic packets (from the packing list) for Application #2020:

App. 2020

- a. Application (2 pages)
- b. Assessor's Maps with Inland Wetlands Watercourse Layers (4 pages)
- c. Narrative (7 pages)
- d. May 1, 2024 Letter from Sebastian Amenta (4 pages).
- e. Letter from Carol Noble (8 pages)
- f. Review comments by Ray Rogozinski & Responses – April 22, 2024 & May 2, 2024 (5 pages).
- g. Link to 3rd Party Review Agreement (22 pages)
- h. Link to Response 1 Attachments (61 pages)

- i. Response 2 Attachment (2 pages)
- j. Link to Response 3 Attachment (9 pages)
- k. Response 4 Attachment (2 pages)
- l. Link to Response 5 Attachments (5 pages)
- m. Link to Response 9 Attachments (20 pages)
- n. Attachment 10 - CT DEEP Permit Need Determination (3 pages)
- o. Link to Attachment 11 – Detailed Groundwater and Stream Monitoring Plan (11 pages)
- p. Attachment 12 – Letter confirming hydrologic information for project site remains valid (2 pages)
- q. Attachment 13 – Proposed wetlands boundary line change map (2 pages)
- r. Attachment 14 – Resumes of Engineers and Soil Scientists (11 pages)
- s. Letter dated March 28, 2024, from Cameron Covill, North Central Conservation District, Inc., regarding Review of Wetlands Application, New Britain Water Department (3 Pgs.)
- t. Link to Hydrogeologic Study (3 pages)
- u. Executive Summary (2 pages)
- v. Link to Application #2020 Correspondence (38 pages)
- w. Letter dated February 26, 2024 from Sebastian Amenta (1 page)
- x. Summary of Updates (1 page)
- y. Letter dated February 21, 2024 from Sebastian Amenta (2 pages)
- z. CT DEEP Letter dated May 6, 2022 (2 pages)
- aa. State of Connecticut Project Review Form (2 pages)
- bb. Letter from CDM Smith dated April 27, 2022 and attachments (15 pages)
- cc. CT DEEP Letter dated May 6, 2022 (3 pages)
- dd. Verified Petition to Intervene Under CGS 22a-19, submitted by Rivers Alliance of Connecticut (8 pages)
- ee. Link to State HPO Submission April 2022 (19 pages)
- ff. Photos Submitted by Daniel Sutula dated March 11, 2024 (1 page)
- gg. Attachments: Project Site Map; Additional Information; Project Drawings; Abutting Property Map and Property Owners Map; Site Survey: Wetland Replication Areas (26 pages).

The Commission received the following items in their electronic packets previously for Application #2020:

- a. Assessor's Map with Inland Wetlands Watercourse Layers
- b. Application (attached narrative)
- c. Letter, dated March 27, 2024, from John Correia, Wildlife Field Scientist for DEEP, land trusts, non-profits, and universities
- d. Letter from Rivers Alliance of Connecticut, submitted by Alicia Charamut, Executive Director
- e. Verified Petition to Intervene Under CGS 22a-19, submitted by Rivers Alliance of Connecticut
- f. Inland Wetlands Staff comments, undated
- g. Application (Attachments 1 to 5; Project Site Map; Additional Information; Project Drawings; Abutting Property Map and Property Owners Map; Wetland Replication Areas;
- h. Soil Scientist Report, dated September 29, 2023 (Attachment 6)
- i. report dated December 18, 2023, regarding Wetland Delineation Report 2022 (attached maps and photographs), from C. Webb & Associates, LLC Environmental Consulting Services
- j. White Bridge Waterworks, Data Form Plot reports dated September 2022
- k. Wetland Survey Photos September 28, 2023, NBWC – Maltby Street – Mix Street Sewer Extension Project (Attached Wetland Restoration & Mitigation Plan Sheets, undated; Proposed NBWC – Bristol Facility Plantings Sheets, undated; and City of Bristol GIS Wetland Boundary maps, undated. (Electronic Copy Only)
- l. Stormwater Management Report
- m. Appendixes, Rainfall Data; Resources and Glossary (definitions)
- n. CDM Smith Geotechnical Laboratory Testing Summary Sheet, review date August 11, 2022
- o. Appendixes C to F
- p. Letter dated May 6, 2022, from ConnDEEP, regarding Natural Diversity Database (NDDb) maps and files
- q. Form dated April 27, 2022, from ConnDECD, regarding White Bridge Waterworks Facilities
- r. Letter dated April 27, 2022, from CDM to the CT State Historic Preservation Office, regarding 106 Review, Replacement of White Bridge Waterworks Facilities Applicant: City of New Britain
- s. Form dated April 27, 2022, from ConnDECD, regarding White Bridge Waterworks Facilities (10 attached maps)
- t. Existing and Proposed Test Wells and Stream Gauges Overall Map, dated December 9, 2022
- u. Plan (Electronic Copy Only)
- v. Letter dated February 3, 2024, from John Correia to Chairman Zachary Fisk, regarding Apps. #2020 and #23-458F-305 (attachments)
- w. Map entitled Whites Bridge Wellfields, NBWD, Bristol, CT, Existing and Proposed Test Wells and Stream Gauges, Overall Map

- x. CT DEEP Form, dated April 27, 2022, regarding White Bridge Waterworks Facilities
- y. Letter dated May 6, 2022, from ConnDEEP, regarding NDDDB Determination #202205409, Replace existing groundwater wells, Upper & Lower Wellfields, White Bridge Waterworks Facility, off Maltby St., Bristol
- z. Letter dated February 2, 2024, from Carol Noble, P.E., CFM, to Chairman Zachary Fisk, regarding Application #2019, #2020 and #23-569F-305
- aa. Letter dated February 3, 2024, from John Correia to Chairman Zachary Fisk, regarding Apps. #2020 and #23-458F-305 (attachments)
- bb. Letter dated February 5, 2023 (2024), from Alicia Charamut, Executive Director of River Alliance of CT, regarding Applications #2019, #2020 and #23-569F-305
- cc. PowerPoint Presentation, entitled White Bridge Waterworks Facilities, Application #2019, #2020 and #23-458F-305, Inland Wetlands and Watercourses & conservation Commission Public Hearing, dated February 5, 2024

The Commission received the following items in their electronic packets (from the packing list) for Application #23-458F-305:

App. 23-458F-305

- a. Application (1 page)
- b. Revised Application (1 page)
- c. Application Page 2 (1 page)
- d. Narrative
- e. Pumping Station Data
- f. Assessor Maps (3 pages)
- g. Letter from Sebastian Amenta dated May 1, 2024 (4 pages)
- h. Letter from Carol Noble (8 pages)
- i. Review comments by Ray Rogozinski & Responses – April 22, 2024 & May 2, 2024 (5 pages).
- j. Link to 3rd Party Review Agreement (22 pages)
- k. Link to Response 1 Attachments (61 pages)
- l. Response 2 Attachment (2 pages)
- m. Link to Response 3 Attachment (9 pages)
- n. Response 4 Attachment (2 pages)
- o. Link to Response 5 Attachments (5 pages)
- p. Link to Response 9 Attachments (20 pages)
- q. Attachment 10 - CT DEEP Permit Need Determination (3 pages)
- r. Link to Attachment 11 – Detailed Groundwater and Stream Monitoring Plan (11 pages)
- s. Attachment 12 – Letter confirming hydrologic information for project site remains valid (2 pages)
- t. Attachment 13 – Proposed wetlands boundary line change map (2 pages)
- u. Attachment 14 – Resumes of Engineers and Soil Scientists (11 pages)
- v. Letter dated March 28, 2024, from Cameron Covill, North Central Conservation District, Inc., regarding Review of Wetlands Application, New Britain Water Department (3 Pgs.)
- w. Hydrogeologic Study December 2007 (3 pages)
- x. Link to Application #23-458F-305 (39 pages)
- y. Letter from Sebastian Amenta dated February 26, 2024 (1 page)
- z. Summary of Updates (1 page)
- aa. Update Letter from Sebastian Amenta dated February 21, 2024 (3 pages)
- bb. CT DEEP Letter dated May 6, 2022 (3 pages)
- cc. Verified Petition to Intervene Under CGS 22a-19, submitted by Rivers Alliance of Connecticut (8 pages)
- dd. Link to State HPO Submission April 2022 (19 pages)
- ee. Photos Submitted by Daniel Sutula dated March 11, 2024 (1 page)
- ff. Attachments: Project Site Map; Additional Information; Flood Map; Link to Floodway Areas, Project Drawings, Abutting Property Map and Property Owners Map; Site Survey: Wetland Replication Areas (38 pages).

The Commission received the following items in their electronic packets **previously** for Application #23-458F-305:

- a. Assessor's Map with Inland Wetlands Watercourse Layers
- b. Application
- c. Project Site Map
- d. Additional Information Narrative
- e. Flood Map
- f. Floodway & Flood Encroachment Areas and Project Drawings
- g. Letter, dated March 27, 2024, from John Correia, Wildlife Field Scientist for DEEP, land trusts, non-profits, and universities

- h. Letter from Rivers Alliance of Connecticut, submitted by Alicia Charamut, Executive Director
- i. Verified Petition to Intervene Under CGS 22a-19, submitted by Rivers Alliance of Connecticut
- j. Stormwater Report
- k. Updated Cut Fill Calculations dated January 24, 2024
- l. Plan (Electronic Copy Only)
- m. Map entitled Whites Bridge Wellfields, NBWD, Bristol, CT, Existing and Proposed Test Wells and Stream Gauges, Overall Map
- n. CT DEEP Form, dated April 27, 2022, regarding White Bridge Waterworks Facilities
- o. Chart, entitled, Pumping Station Fill, Cut,
- p. Letter dated May 6, 2022, from ConnDEEP, regarding NDDDB Determination #202205409, Replace existing groundwater wells, Upper & Lower Wellfields, White Bridge Waterworks Facility, off Maltby St., Bristol
- q. Letter dated February 2, 2024, from Carol Noble, P.E., CFM, to Chairman Zachary Fisk, regarding Application #2019, #2020 and #23-569F-305
- r. Letter dated February 3, 2024, from John Correia to Chairman Zachary Fisk, regarding Apps. #2020 and #23-458F-305 (attachments)
- s. Letter dated February 5, 2023 (2024), from Alicia Charamut, Executive Director of River Alliance of CT, regarding Applications #2019, #2020 and # 23-458F-305
- t. PowerPoint Presentation, entitled White Bridge Waterworks Facilities, Application #2019, #2020 and #23-458F-305, Inland Wetlands and Watercourses & conservation Commission Public Hearing, dated February 5, 2024

MOTION: to accept the Draft Resolutions

By: Robinson

Seconded: Carros

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

Raymond Rogozinski P.E., Director of Public Works, read into the record the Draft Resolutions of Approval for applications 2019,2020 and 23-458F-305.

MOTION: Move to approve Application #2019 – Wetlands boundary change application for the restoration of the White Bridge Waterworks facility at Maltby Street; Assessor's Map 52 & 53, Lots 11, 15, 16B16A, 17, 145, 147, 149, 150 & 151; New Britain Water Department, Ramon Esponda, Deputy Director, applicant, in accordance with the plot plan and information submitted with standard stipulations.

By: Robinson

Seconded: Rooks

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

The Application #2019 is approved.

Attorney Olson, stated that after voting on each application individually, one vote can be made on all the interventions.

MOTION: Move to approve Application #2020 – Wetlands application for the restoration of the White Bridge Waterworks facility at Maltby Street; Assessor's Map 52 & 53, Lots 11, 15, 16B16A, 17, 145, 147, 149, 150 & 151; New Britain Water Department, Ramon Esponda, Deputy Director, applicant, in accordance with the plot plan and information submitted with standard stipulations.

By: Robinson

Seconded: Rooks

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

The Application #2020 is approved.

MOTION: Move to approve Application #23-458F-305 – Floodplain application for the restoration of the White Bridge Waterworks facility at Maltby Street; Assessor's Map 52 & 53, Lots 11, 15, 16B16A, 17, 145, 147, 149, 150 & 151; New Britain Water Department, Ramon Esponda, Deputy Director, applicant, in accordance with the plot plan and information submitted with standard stipulations.

By: Robinson

Seconded: Rooks

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.
Against: None.
Abstained: None.

The application is approved.

Motion: to approve the resolutions as presented.

By: Robinson

Seconded: Carros

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.
Against: None.
Abstained: None.

The application is approved.

5. Public Hearings

- a. Application #2027 – Wetlands application for remediation of drainage swale and contaminants including excavation of channel and restoration of riprap along channel bed and banks at 300 Broad Street; Assessor's Map 43, Lot 100; 300 Broad Street Property LLC, applicant.

The Commission received the following items in their electronic packets:

- a. Application
- b. Assessor's Map with Inland Wetlands Watercourse Layers
- c. Aerial Map
- d. Location Map
- e. Statewide Inland Wetlands & Watercourses Activity Reporting Form
- f. Project Narrative dated April 25, 2024
- g. Site Mapping: Figure 1: Site Location Figure 2: Wetlands and Watercourses Figure 3: FEMA Floodplain
- h. Wetland Delineation Report dated April 25, 2024
- i. Site Photos dated April 9, 2024
- j. NDDB Final Determination dated April 25, 2024
- k. Project Site Plans dated April 4, 2024

MOTION: Move to open a public Hearing for #Application #2027

By: Robinson

Seconded: Rooks

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.
Against: None.
Abstained: None.

The public hearing is open.

Emily Denyer, SLR International Corporation, reviewed the presentation of the remediation of the 300 Broad Street Property, LLC. The project is to remediate the drainage swell of the contaminated soil and dispose of it offsite. The channel will be restored with clean material and riprap around the banks with new vegetation to be planted.

Commissioner Robinson asked that during the walk of the drainage channel, there was the ability to have oils entering the channel from the building. Is this being addressed?

Emily Denver, SLR International Corporation, stated yes, they are going to dewatering the stilling pool area which is currently where there are surface discharges are collecting prior.

Jason Fernet, SLR International Corporation, stated that those oil releases were from the previous manufacturer and the site is now vacant. When it gets occupied in the future, it will be under the current regulations. The spills were not a purposeful discharge, and were filed with the DEEP. All the USP and AST have been removed from the facility that caused the releases. Any new business being developed will have to use best management practices.

Commissioner Rooks asked about if the brush near the railroad will be removed.

Jason Fernet, SLR International Corporation, stated that yes it will be removed. The brush was not there last year and looks like someone dumped it there.

Commissioner Klimek asked about in the parking area during the winter for oil run off to make sure nothing passes thru the catch basins.

Jason Fernet, SLR International Corporation, stated that this is normal operations and under the RSR of CT DEEP regulations are considered normal road runoff. It's a normal parking area. The site is still under development and not part of this project. The project will be done between July 1st and September 30th due to the requirements of the grant and the activities will be around two weeks.

Steve Donaghy, 94 Frederick Street, asked if there were any studies of any storm drains from the storm drains in the parking lot that go into the same area. Why is there not a retention pond to retain any of the water from the parking lot and roof. Unless it's been checked to see what pipes are tied to the inside of the building and where they drain.

Commissioner Fisk mentioned that this project is just to clean up existing conditions.

Jason Fernet, SLR International Corporation, this is a cleanup from previous spills during manufacturing operations. There are utilities maps for the site and predominately the catch basins and some roof, but not any evidence of anything being pumped to that drainage other than the tunnel dewatering area. All those sources of oils have been removed. This has all been documented and currently on file with CT DEEP.

Raymond Rogozinski, P.E., Director of Public Works, asked if the documents on file with CT DEEP that show the contaminant was removed, if approved, can these be provided as a condition to make available to the city.

Jason Fernet, SLR International Corporation answered, yes, they are already available to the public.

Steve Donaghy, 94 Frederick Street, stated he feels that they should not be able to have any type of business in there that would have contaminants that could flow directly into the river in a flooding situation.

Commissioner Fisk stated that the scope of this application is the remediation of the current conditions.

Steve Donaghy, 94 Frederick Street, stated he is aware of that, but once this is done, seems like a cheap fix and it's not going to change what is in the building and later on down the road it will be doing the same thing. A direct runoff to the rivers and streams is not the way to go.

MOTION: to close the public hearing

By: Robinson

Seconded: Rooks

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

The public Hearing is closed.

MOTION: Move to approve Application #2027 – Wetlands application for remediation of drainage swale and contaminants including excavation of channel and restoration of riprap along channel bed and banks at 300 Broad Street; Assessor's Map 43, Lot 100; 300 Broad Street Property LLC, applicant, in accordance with the plot plan and information submitted with standard stipulations and approval of providing the City the CT DEEP file documentation indicating what was removed.

By: Robinson

Seconded: Rooks

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

The Application #2027 is approved.

- b. Application #2029 – Wetlands application for the replacement of the Divinity Street culvert over an unnamed Brook within Divinity Street Right-of-Way within an existing easement and City of Bristol Right-of-Way; City of Bristol, Department of Public Works, applicant.
- a. Application
- b. Assessor's Map with Inland Wetlands Watercourse Layers
- c. Aerial Map
- d. Location Map
- e. Divinity Street Culvert Replacement report dated March 2024
- f. Narrative dated April 2024: Additional Information For: City of Bristol Conservation Commission Inland Wetlands Agency
- g. Wetlands Delineation and Description Report dated August 2, 2022
- h. Wetland Function-Value Evaluation Form dated July 21, 2022
- i. Dominant Wetland Vegetation Inventory dated July 19, 2022
- j. Hydrology And Hydraulics Analysis Report dated March 2024
- k. Link to Hydrology & Hydraulics Analysis Report, March 2024 Report
- l. Divinity Street Permit Plans dated
- m. Permit Plans
- n. US Army Corps of Engineers (USACE) Application for Dept. of the Army Permit, dated March 8, 2024
- o. Pages from LWRD License Application Transmittal Form
- p. Plan Set Optimized

Jodi Constant, WSP USA, explained that the project is replacing the Divinity Street culvert. This will be completely removed and replaced with a precast box with 18" of streambed material infilled through the full length. This project will impact 700 square feet of the watercourse permanently and 420 square feet of the wetlands temporarily. A metal bridge rail will be placed for a safety feature along the top of the culvert.

The commission asked about the depth of the stream and where is the metal railing going to be placed.

Jodi Constant, WSP USA, stated that the depth of the stream will not change much at all and that the metal rail will be 42 inches on top of the drivable bridge area.

Steve Donaghy, 94 Frederick Street, stated his concerns regarding the flood and the impacts of the flooding. This should be part of the Flood and Erosion Committee and should also be part of the Wetlands committee. Bristol has to help way more with the flooding issues in the city.

Raymond Rogozinski, P.E., Director of Public Works, stated that the inland/wetlands commission does look at flooding and grading. There is a matter of conveyance of getting water from one side to the others. The culvert stops the road from flooding and there is no storage for this brook.

Jodi Constant, WSP USA, stated that Divinity Street is the low point and the water does find a way back to the stream and the rail will help the water go where it is supposed to go rather than outside the limits causing flooding. There will be no negative effect. There will be a safety rail that goes on top of the wall and is pedestrian resistant.

MOTION: Move to close the public hearing for Application #2029.

By: Robinson

Seconded: Rooks

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

The public hearing is closed.

MOTION: Move to approve Application #2029 – Wetlands application for the replacement of the Divinity Street culvert over an unnamed Brook within Divinity Street Right-of-Way within an existing easement and City of Bristol Right-of-Way; City of Bristol, Department of Public Works, applicant, in accordance with the plot plan and information submitted with standard stipulations and that the Army Corp of Engineers permit and conditions become part of this application, if approved by the Army Corp. that a post evasive species report be provided to the commission at the conclusion of the project and that bypass pumping in lieu of pumping be allowed during construction.

By: Robinson

Seconded: Rooks

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

The application is approved.

6. Pending Applications

- a. Application #2025 – Wetlands application as part of a cease and correct order to level ground and slope away from home, clean brush, and new landscaping or fence at 465 Emmett Street; Assessor's Map 3, Lot 9-1; Peter Plewa, applicant.

- a. Application
- b. Assessor's Map with Inland Wetlands Watercourse Layers
- c. Aerial Map
- d. Location Map

MOTION: Move to open a public hearing for application #2025.

By: Robinson

Seconded: Rooks

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

The public hearing is open.

Peter Plewa, 465 Emmett St, stated he was just doing yard work to make his property safe and clean. He wants to plant privacy trees along the edge of the property. He cleaned out all the trash that was in there. He is asking what he needs to do to finish up the work and what can he replant. He restated that he did not touch the wetlands or remove or add anything.

Raymond Rogozinski, P.E., Director of Public Works, explained that the area that has been disturbed is the 10 -foot conservation land on the property.

Chairman Fisk stated that there needs to have a licensed professional go to the property so that the property lines can be well established and the conservation easement is restored. The siltation fence is also not installed correctly.

Peter Plewa, 465 Emmett Street, stated that he does have pictures that show before and after when he first received the cease and correct which shows everything there is still growing and no sediment that is moving anywhere. There is nothing being disturbed and everything is growing. He is asking if the commission where they want him to plant the shrubs.

Raymond Rogozinski, P.E., Director of Public Works stated that Public Works can have the city surveyor go out and stake the property lines and the limits of the conservation easement.

The commission had a discussion regarding the disturbed area and discussed that an engineer and a certified soil scientist needs to evaluate the property and see what needs to be done to restore the land correctly. They stated that this was also part of the Superior Electric issue that has had a lot of work already done and is now disturbed.

Raymond Rogozinski, P.E., Director of Public Works, stated it is not just the city property is it also the 10 feet onto your in accordance with the original approval that is a conservation easement meaning it had to stay in its current state. It's not just the encroachment onto city property its also 10 feet onto yours.

Commissioner Robinson stated that the commission needs to take into consideration that over the last few years that EMR went through the whole area and did a lot of work. The conservation was part of that.

Chairman Fisk stated that the grading needs to be restored to what it should have been with an engineer and then a soil scientist to restore the area.

Peter Plewa, 465 Emmett Street, stated that the reason he did all this himself, as a new homeowner he could not afford to pay someone to do it and now he is dealing with this and cannot afford this as he is losing time and money just trying to make his property look nice. He asked what is he allowed to do right now on his property.

Raymond Rogozinski, P.E., Director of Public Works, explained that what you are allowed to do without a permit is delineated in the regulations as permitted uses.

Peter Plewa, 465 Emmet St, is asking if he can do work on his land and what is he allowed to do.

Raymond Rogozinski, P.E., Director of Public Works, stated that he can have the inland/wetland officer come out to meet him, but the focus of the cease and assist is the work performed of a portion on city property and a portion of the conservation easement along the river and city property and how to restore that to its natural state is the focus of this meeting.

Peter Plewa, 465 Emmett St, asked whose responsibility is it to clean and take maintain that part of the property. Do I have to ask permission to clean out dangerous stuff and clean up?

Raymond Rogozinski, P.E., Director of Public Works stated that it is the property owner's responsibility in accordance of the previous approval of the wetland commission to keep it as its natural state. He stated that if he called us, we would have sent out the wetlands enforcement officer to meet with you and provided direction.

Chairman Fisk stated that there is nothing new to act on as this commission and that if the owner has anything new, he can call and discuss with Public Works.

MOTION: Move to deny Application #2025 – Wetlands application as part of a cease and correct order to level ground and slope away from home, clean brush, and new landscaping or fence at 465 Emmett Street; Assessor's Map 3, Lot 9-1; Peter Plewa, applicant, in accordance with the plot plan and information submitted with standard stipulations. Property owner to submit a plan of correction from a professional engineer and certified soil scientist to review and restore the conservation and city property to its natural state.

By: Rooks

Seconded: Robinson

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

The application is denied.

8. New Applications

- a. Application #2031– Wetlands application for replacement of Divinity Street Culvert over Unnamed Brook within City of Bristol right-of-Way; City of Bristol, Department of Public Works, applicant.

- a. Application
- b. Assessor's Map with Inland Wetlands Watercourse Layers
- c. Aerial Map
- d. Location Map

Raymond Rogozinski, P.E., Director of Public Works, asked for a motion to delete the item from the agenda as a duplicate of application # 2029. This is an agenda error

MOTION: Move to remove Application #2031 as a duplicate of application # 2029.

By: NAME

Seconded: NAME.

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

The application is removed.

- b. Application #2032 - Wetlands application for the reconstruction of Minor Street including drainage at the intersection of Minor Street and Hill Street extending approximately 475 feet west and within City of Bristol Right-of-Way; City of Bristol, Department of Public Works, applicant.
- a. Application
 - b. Assessor's Map with Inland Wetlands Watercourse Layers
 - c. Aerial Map
 - d. Location Map

MOTION: to receive application # 2032

By: Robinson

Seconded: Rooks

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

The application received.

MOTION: Move to declare Application #2032 a significant activity and set a public hearing for the July 1, 2024 meeting and schedule an onsite inspection for June 26, 2024 at 5:30 p.m.

By: Robinson

Seconded: Rooks

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

The application was declared a significant activity.

9. New Business

Chairman Fisk read into record a letter he wrote regarding the flooding in Bristol and the concerns the residents that the commission heard at the last few meetings. He is asking for the commission to approve sending it the Flood and Erosion Board.

Raymond Rogozinski, P.E., Director of Public Works, stated that the need to communicate to residents, in particular, the residents on Collins Road. Those yards are in a floodplain. He welcomes the opportunity to speak with residents. He explained the mapping done by FEMA, and briefly about flood insurance and how it relates. This is the first time FEMA is looking to modify the floodplains and include a hydrology component and should be in place next year. He discussed the cost benefit ratio for flooding and how they apply to grants. We would use this resiliency grant as a way to educate residents. The flood and erosion board does meet on a yearly basis. The city is moving forward with a resiliency grant and this is an opportunity to address some of the concerns in a proactive way.

Commissioner Robinson want to recommend the letter be forwarded to the flood and erosion committee as it was very clear that the residents have concerns and let them be heard.

Steve Donaghy, 94 Frederick Street, stated that he feels like is the resiliency grant could help the property owners. He went on to state its not just this commission, he feels that its every commission. There is nowhere for the water to go and nothing helps with the flooding. Area's flood multiple times a year and all the commissions need to work on this.

Raymond Rogozinski, P.E., Director of Public works, reported that Nancy Levesque has left the city and until an assistant city engineer, he will be filling in and is committed to attending the wetland meetings, and site walks when available.

MOTION: to forward the letter to the Flood and Erosion Board to open up communications between the flood and erosion board and the residents.

By: Robinson Seconded: Carros

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

10. Staff-Approved Applications/Published

a.

App.# Approved Administrative	Street No.	Address	Purpose of App.
102114	42	Marlene Street	Fence
102115	156	Beths Avenue	Above ground pool
102116	393	Jerome Avenue	Deck
102118	31	Buckley Avenue	Above ground pool
102119	159	Redstone Hill	Replace fence
102121	352	Shrub Road	New addition
Administrative Floodplain Applications			
24-458F-309	393	Jerome Avenue	Install sono tube footings for deck

MOTION Move to file the report.

By: Robinson

Seconded: Carros

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

The report is filed.

11. Staff Reports

a. IWWC Report – May 2024

The Commission received the following items in their electronic packets:

aa. Inland Wetlands Enforcement Officers report dated May 28, 2024 (5 pages)

MOTION Move to file the report.

By: Robinson

Seconded: Carros

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

The report is filed.

12. Communications

a. DEEP Permit

The Commission received the following items in their electronic packets:

- a. Letter dated May 21, 2024, from ConnDEEP to Stahl Holdings, LLC (attached photo)

MOTION Move to file the report.

By: Robinson

Seconded: Carros

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

The report is filed.

13. Appointments & Reappointments

a. City Council Letters – May 15, 2024

The Commission received the following items in their electronic packets:

- a. Letter dated May 15, 2024, from Town and City Clerk, regarding the reappointment of Greg Klimek as an alternate Commissioner.
- b. Letter dated May 15, 2024, from Town and City Clerk, regarding the reappointment of Daniel Massaro, Jr., as an regular Commissioner.
- c. Letter dated May 15, 2024, from Town and City Clerk, regarding the reappointment of James Carros, as an regular Commissioner.

MOTION Move to file the report.

By: Robinson

Seconded: Ritchie

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

The report is filed.

14. Adjournment

MOTION: Move to adjourn at 9:07 P.M.

By: Robinson

Seconded: Ritchie

For: Duquette, Ritchie, Robinson, Carros, Massaro, Rooks and Fisk.

Against: None.

Abstained: None.

This meeting was taped.

Zachary Fisk, Chairman
Inland Wetlands Commission

David Rooks, Secretary

**BRISTOL CONSERVATION COMMISSION
INLAND WETLANDS AGENCY
FORM IW-1 (Application for a Wetlands Permit)**

For Office Use Only	
APPLICATION NO.	<u>2032</u>
DATE FILED:	<u>05-20-2024</u>
DECISION DATE:	_____
DECISION:	_____

1. APPLICANT:

Name: Bristol Department of Public Works
Address: 111 North Main Street City: Bristol State: CT Zip 06010
Telephone No.: (860) 584 - 6125 [☐] home [☒] work E-Mail: williamstango@bristolct.gov
Signature: _____ Signature – (Printed/Typed) Raymond Rogozinski
CHECK ONE: [☐] owner [☒] other (specify): Public Works Director

2. PROPERTY OWNER(S):

Name: City of Bristol
Address: 111 North Main Street City: Bristol State: CT Zip 06010
Telephone No.: (860) 584 - 6250 [☐] home [☒] work E-Mail: MayorsOffice@bristolct.gov
Signature: _____ Signature – (Printed/Typed) Mayor Jeffrey Caggiano

3. DESCRIBE THE SUBJECT PROPERTY:

Address or Location: Minor Street (Intersection of Minor Street and Hill Street extending 475' to the west)
Assessor's Map No.: - _____ Assessor's Lot No.(s): - _____
Description of wetlands (location, approximate area to be disturbed, vegetation, etc.): An unnamed stream flows through an existing culvert within the project area. Wetland vegetation is located adjacent to the existing roadway. Approximate location and areas of disturbance have been approximated from Bristol GIS mapping.

4. DESCRIBE THE PROPOSED ACTIVITY AND ITS PURPOSE: The project will involve installing drainage and constructing a full depth roadway from the intersection of Minor Street and Hill Street extending 475' to the west. The purpose of this project is to reconstruct Minor Street to current city standards and to accept it as an official city street.

5. CHECK THE STATEMENT WHICH APPLIES TO THE PROPOSED ACTIVITY:

- [☐] a. The proposed activity is either a use permitted as of right or a non-regulated use, under subsection _____ of Section 4 of the Inland Wetlands Regulations. *See instructions for submission requirements.*
- [☐] b. The proposed activity is not regulated because it is greater than 100 feet from a wetlands or watercourse or will not adversely affect the wetlands or watercourse. *See instructions for submission requirements.*
- [☒] c. The proposed activity is a regulated activity and will occur:
- | | |
|---|--------------------|
| [☒] in a wetlands or watercourse | area: <u>4,610</u> |
| [☒] within the upland review area | area: <u>2,860</u> |

6. FLOW CALCULATIONS:

Does a watercourse flow through the subject property?
[☐] yes [☐] no

If "yes", see instructions for submission requirements.

**CITY OF BRISTOL, CONNECTICUT
SUPPLEMENTARY INFORMATION**

For Office Use Only
APPLICATION NO. **2032**

Address or location of property: Minor Street (Intersection of Minor Street and Hill Street extending 475' to the west)

ADDITIONAL INFORMATION/COMMENTS (click inside the box below and begin typing)

Minor Street is an existing gravel road which is currently serviced by the City of Bristol. The work outlined in this project will provide significant improvement to the safety, functionality, and maintainability of the existing roadway.

ADDITIONAL APPLICANT

Name: _____ CHECK ONE: ☐ owner ☐ other: _____

Address: _____ City: _____ State: _____ Zip: _____

Telephone No.: _____ E-Mail: _____

Signature: _____ Signature – (Printed/Typed) _____

ADDITIONAL OWNER(S) OF RECORD

Name: _____

Address: _____ City: _____ State: _____ Zip: _____

Telephone No.: _____ E-Mail: _____

Signature: _____ Signature – (Printed/Typed) _____

Name: _____

Address: _____ City: _____ State: _____ Zip: _____

Telephone No.: _____ E-Mail: _____

Signature: _____ Signature – (Printed/Typed) _____

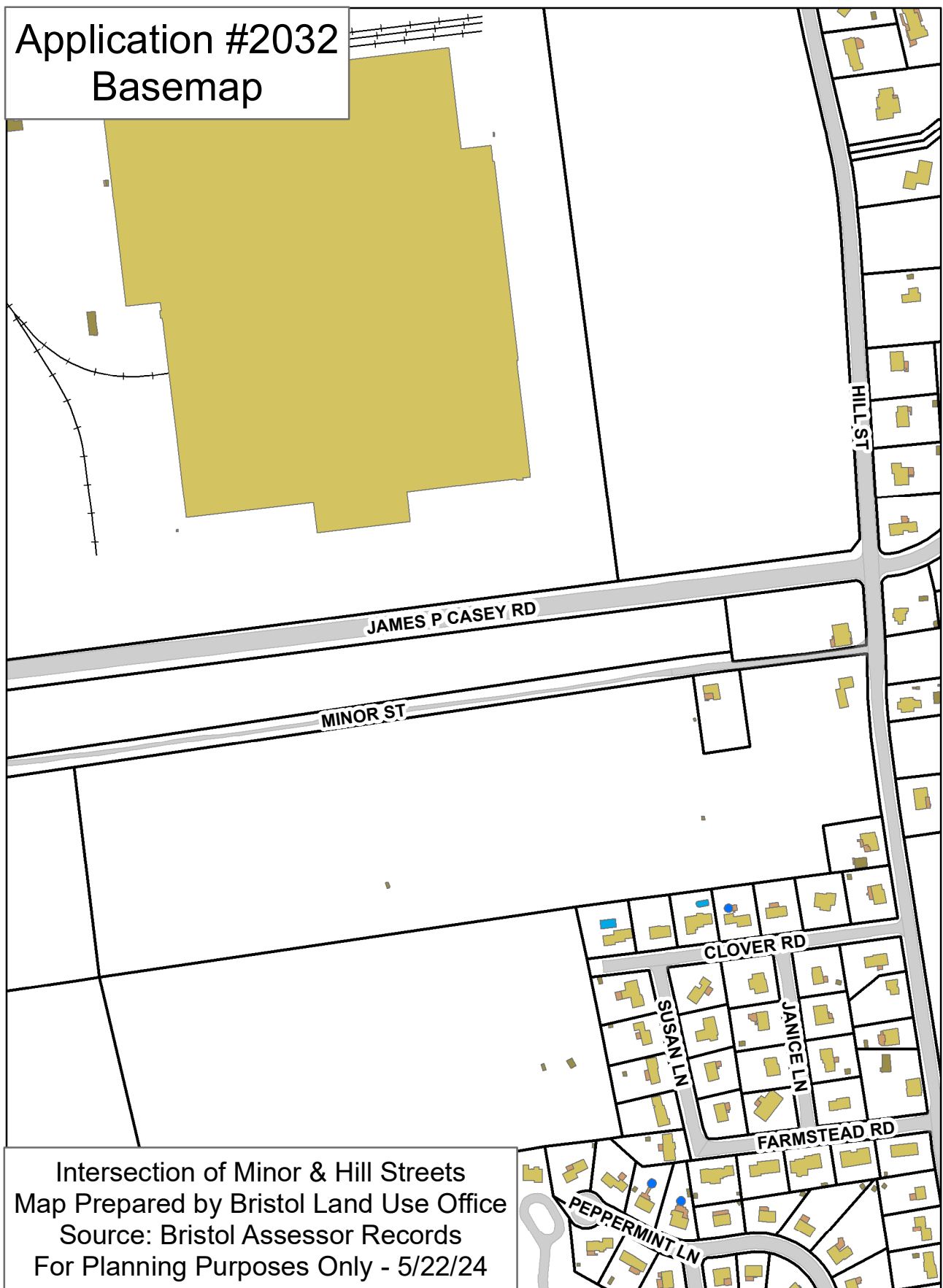
(OPTIONAL) SEND COPIES OF ALL CORRESPONDENCE TO:

Name: _____

Address: _____ City: _____ State: _____ Zip: _____

Telephone No.: _____ E-Mail: _____

Application #2032
Basemap



Intersection of Minor & Hill Streets
Map Prepared by Bristol Land Use Office
Source: Bristol Assessor Records
For Planning Purposes Only - 5/22/24

Application #2032
Aerial

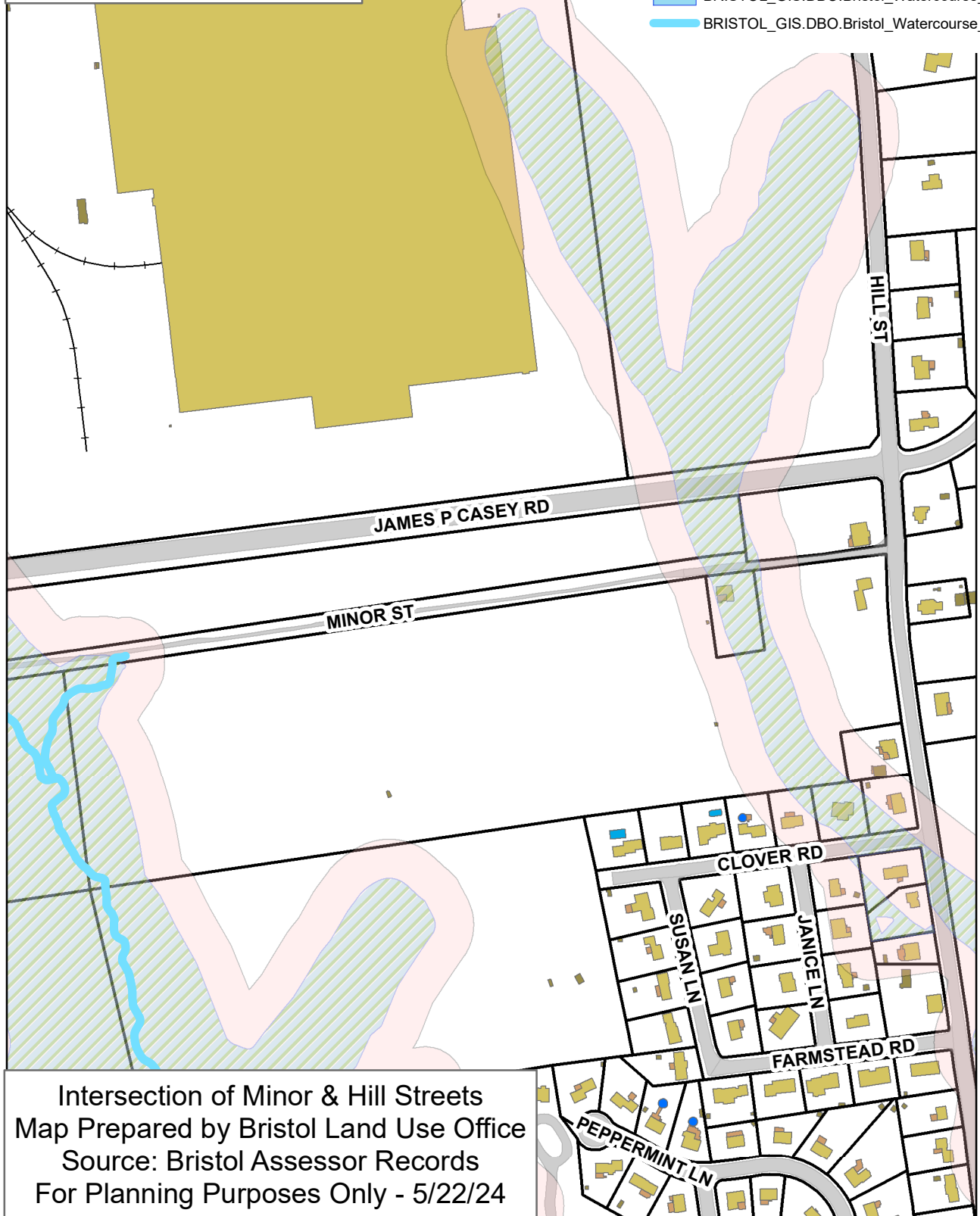


Intersection of Minor & Hill Streets
Map Prepared by Bristol Land Use Office
Source: Bristol Assessor Records
For Planning Purposes Only - 5/22/24

Application #2032 IWWC

Legend

- WETLANDS
- UplandReviewArea
- BRISTOL_GIS.DBO.Bristol_Waterbodies
- BRISTOL_GIS.DBO.Bristol_Watercourse_Polygons
- BRISTOL_GIS.DBO.Bristol_Watercourse_lines



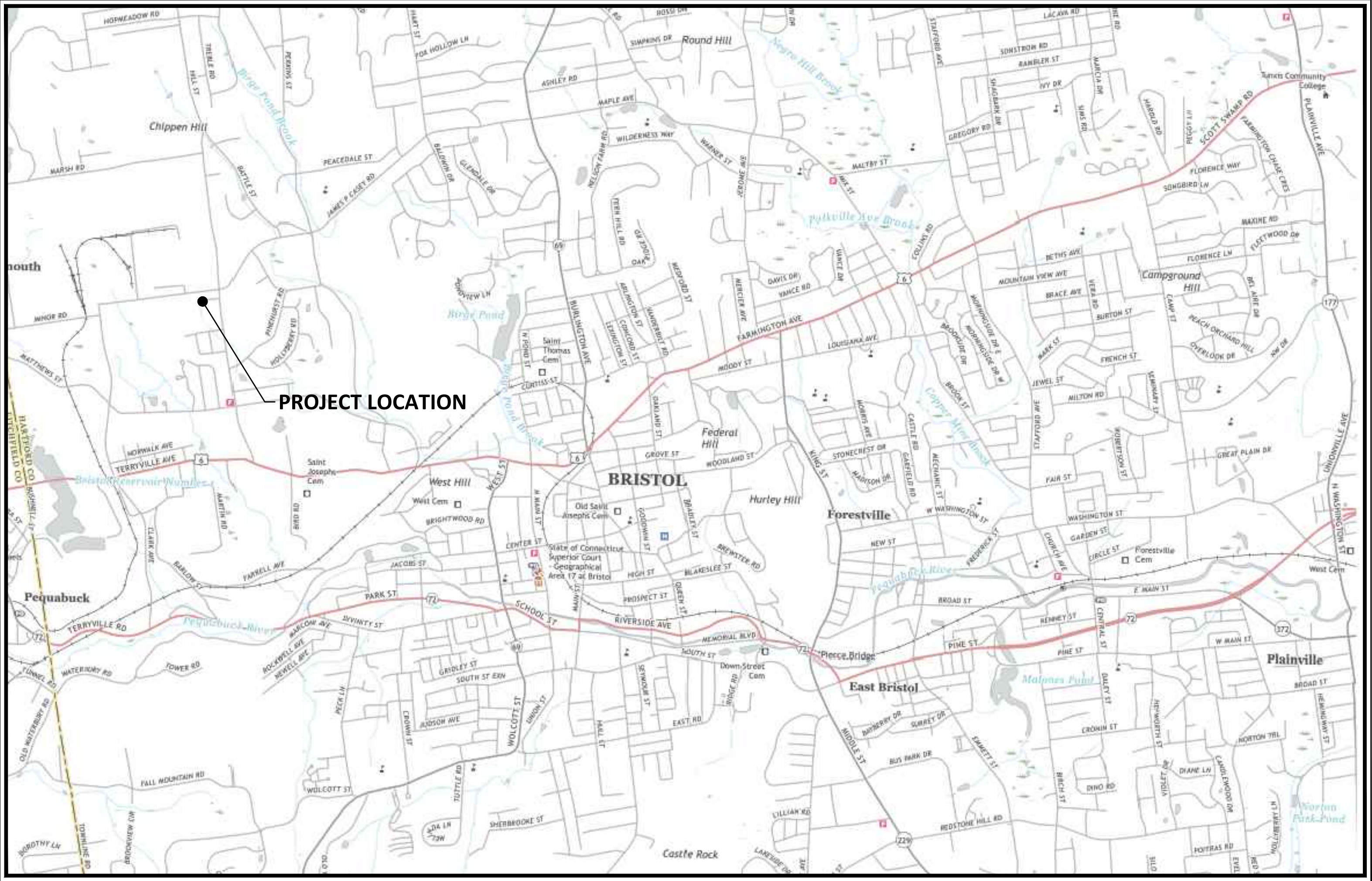
Intersection of Minor & Hill Streets
Map Prepared by Bristol Land Use Office
Source: Bristol Assessor Records
For Planning Purposes Only - 5/22/24

CONSTRUCTION OF MINOR STREET DRAINAGE AND ROADWAY BRISTOL, CONNECTICUT

APRIL 18, 2024
Contract : XXX-XXX

LIST OF DRAWINGS

NO.	NAME	TITLE
01	TITLE-01	TITLE SHEET
02	TYP-01	GENERAL NOTES AND TYPICAL SECTIONS
03	EX-01	EXISTING CONDITIONS
04	PRO-01	ROADWAY PROFILE
05	RWY-01	ROADWAY PLAN
06 - 12	CSX-01 - CSX-07	CHANNEL SECTIONS



BOARD OF PUBLIC WORKS
MAYOR JEFFREY CAGGIANO, CHAIRMAN

DIRECTOR OF PUBLIC WORKS
RAYMOND A. ROGOZINSKI, P.E.

CITY ENGINEER
NANCY LEVESQUE, P.E.



**BRISTOL CONSERVATION COMMISSION
INLAND WETLANDS AGENCY
FORM IW-1 (Application for a Wetlands Permit)**

For Office Use Only
APPLICATION NO. 2033
DATE FILED: 06-20-2024
DECISION DATE: _____
DECISION: _____

1. APPLICANT:

Name: ST. PAUL CATHOLIC HIGH SCHOOL Signature: Cam m O...
Address: 1001 STAFFORD AVE City: BRISTOL State: CT Zip: 06010
Telephone No.: 860-584-0911 [] home ☒ work Email: cdupont@spchs.com

2. PROPERTY OWNER(S):

Name: ARCHDIOCESE OF HARTFORD Signature: Cam m O...
Address: 467 BLOOMFIELD AVE City: BLOOMFIELD State: CT Zip: 06002
Telephone No.: 860-541-6491 [] home ☒ work Email: SAME

3. DESCRIBE THE SUBJECT PROPERTY:

Address or Location: 1001 Stafford Avenue Bristol CT
Assessor's Map No.: 53 Assessor's Lot No.(s): 148

Description of wetlands (location, approximate area to be disturbed, vegetation, etc.): work within
100ft Buffer/Upland Review Area, Wetlands along Coggermine
Brook located West of proposed Activity

4. DESCRIBE THE PROPOSED ACTIVITY AND ITS PURPOSE:

Add 80 yds (+/-) topsoil
on existing field; depth approximately 2 inches
and re-seed.

5. CHECK THE STATEMENT WHICH APPLIES TO THE PROPOSED ACTIVITY:

- [] a. The proposed activity is either a use permitted as of right or a non-regulated use, under subsection of Section 4 of the Inland Wetlands Regulations. *See instructions for submission requirements.*
- [] b. The proposed activity is not regulated because it is greater than 100 feet from a wetlands or watercourse or will not adversely affect the wetlands or watercourse. *See instructions for submission requirements.*
- ☒ c. The proposed activity is a regulated activity and will occur:
- | | |
|---|--|
| [] in a wetlands or watercourse; | area of impact: _____ SF (_____ acres) |
| [☒] within 100 feet of a wetlands or watercourse; | area of impact: <u>21000</u> SF (<u>.5</u> acres) |
| [] beyond 100 feet of a wetlands or watercourse; | area of impact: _____ SF (_____ acres) |

6. FLOW CALCULATIONS:

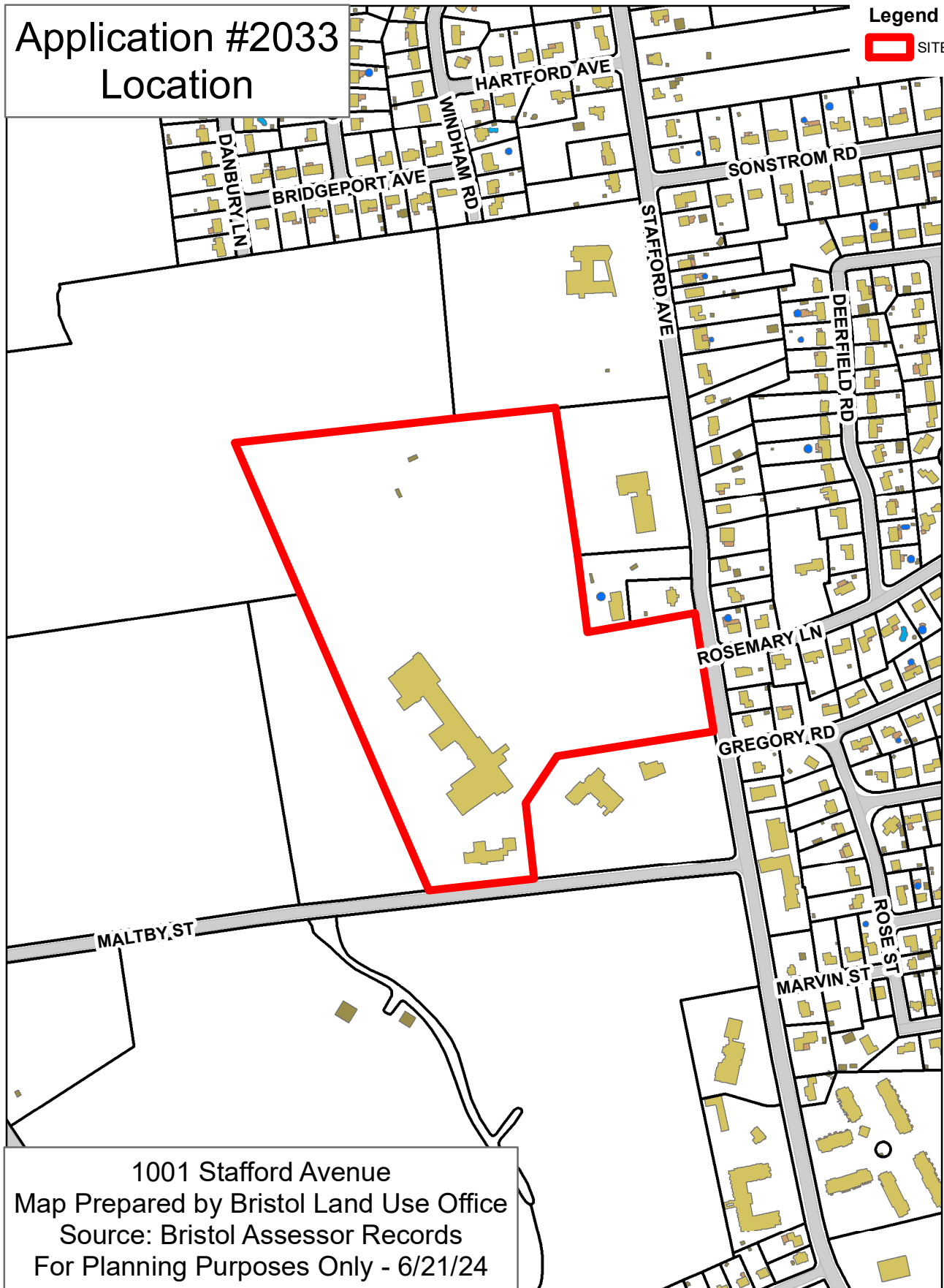
Does a watercourse flow through the subject property?

[] yes [☒] no

If "yes", see instructions for submission requirements.

Application #2033 Location

Legend
 SITE



1001 Stafford Avenue
Map Prepared by Bristol Land Use Office
Source: Bristol Assessor Records
For Planning Purposes Only - 6/21/24

Application #2033
Aerial

Legend
 SITE

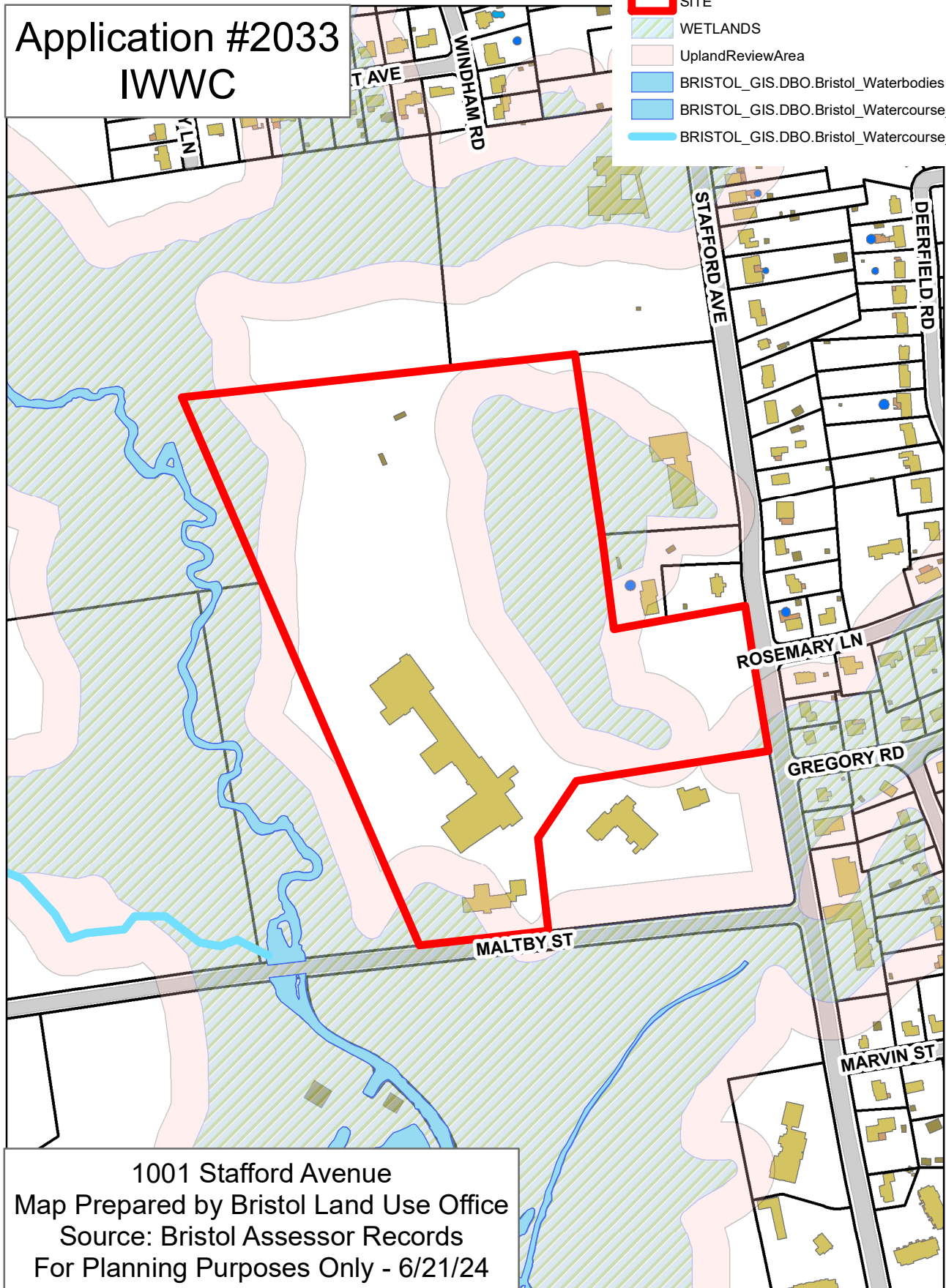


1001 Stafford Avenue
Map Prepared by Bristol Land Use Office
Source: Bristol Assessor Records
For Planning Purposes Only - 6/21/24

Application #2033
IWWC

Legend

-  SITE
-  WETLANDS
-  UplandReviewArea
-  BRISTOL_GIS.DBO.Bristol_Waterbodies
-  BRISTOL_GIS.DBO.Bristol_Watercourse_Polygons
-  BRISTOL_GIS.DBO.Bristol_Watercourse_lines



1001 Stafford Avenue
Map Prepared by Bristol Land Use Office
Source: Bristol Assessor Records
For Planning Purposes Only - 6/21/24

Pictures of St Paul Practice field

BF360Marketing <bob@bobfiorito.com>

Thu 6/27/2024 8:28 PM

To: Andrew Armstrong <AndrewArmstrong@bristolct.gov>; Raymond Rogozinski <RaymondRogozinski@bristolct.gov>;

Cc: Anthony Mazzarella <amazzarella@spchs.com>; Cary Dupont <cdupont@spch.com>; David Dennehy <ddennehy@spchs.com>;

Gentleman

Attached are photos of the practice field area at St Paul being renovated

Robert Fiorito

bob@bobfiorito.com



C:\Users\KATHIE\OneDrive\Documents\10000\SAINT PAULS PRACTICE FIELD REGRADING AND FILLING Layout 10011117 (2)



PROJECT LOCATION MAP
NOT TO SCALE

TYPE OF SURVEY

SAINT PAUL PRACTICE FIELD REGRADING AND FILL
1001 STAFFORD AVE
BRISTOL, CONNECTICUT
PREPARED FOR
CLIENT

SCALE: 1" = 30'	DATE: JUNE 18, 2024	JOB: 10000.0000X
FIELD: XXX	DRAWN: KMR	CHCK'D: XXX
		SHEET: 1 OF 2

Drawing: C:\Users\KLUHR\1\APPDATA\LOCAL\TEMP\APPROUSH_1800\SAINT PAULS PRACTICE FIELD REGRADE AND FILLING Layout (06/11/17) (3)



SAINT PAUL PRACTICE FIELD
SCALE 1:30

TYPE OF SURVEY

SAINT PAUL PRACTICE FIELD REGRADING AND FILL
1001 STAFFORD AVE
BRISTOL, CONNECTICUT
PREPARED FOR
CLIENT

SCALE: 1" = 30'	DATE: JUNE 18, 2024	JOB: 10000.0000X
FIELD: XXX	DRAWN: KMR	CHCK'D: XXX
		SHEET: 2 OF 2

**BRISTOL CONSERVATION COMMISSION
INLAND WETLANDS AGENCY
FORM IW-1 (Application for a Wetlands Permit)**

For Office Use Only
APPLICATION NO. 2034
DATE FILED: June 20, 24
DECISION DATE: _____
DECISION: _____

1. APPLICANT:

Name: P & B Poperties LLC Signature: [Signature]
Address: 65 Burritt St City: New Britain State: _____ Zip: _____
Telephone No.: 860-224-2244 ☐ home ☐ work Email: jimpryor1@gmailcom

2. PROPERTY OWNER(S):

Name: Same Signature: [Signature]
Address: _____ City: _____ State: _____ Zip: _____
Telephone No.: _____ ☐ home ☐ work Email: _____

3. DESCRIBE THE SUBJECT PROPERTY:

Address or Location: 260 Perkins Street
Assessor's Map No.: 60 Assessor's Lot No.(s): Lots 12-5 & 11 rear

Description of wetlands (location, approximate area to be disturbed, vegetation, etc.):

Unnamed brook runs through portion of property. No area of wetlands to be disturbed. Portion of upland review area to be disturbed. See plans and reports provided.

4. DESCRIBE THE PROPOSED ACTIVITY AND ITS PURPOSE:

Activity to construct access bridge to rear of property. The point of access is the only available means of access. To construct two houses in upland review area

5. CHECK THE STATEMENT WHICH APPLIES TO THE PROPOSED ACTIVITY:

- ☐ a. The proposed activity is either a use permitted as of right or a non-regulated use, under subsection of Section 4 of the Inland Wetlands Regulations. *See instructions for submission requirements.*
- ☐ b. The proposed activity is not regulated because it is greater than 100 feet from a wetlands or watercourse or will not adversely affect the wetlands or watercourse. *See instructions for submission requirements.*
- ☒ c. The proposed activity is a regulated activity and will occur:
- | | |
|---|---|
| ☐ in a wetlands or watercourse; | area of impact: <u>_____</u> SF <u>_____</u> acres) |
| ☒ within 100 feet of a wetlands or watercourse; | area of impact: <u>**</u> SF <u>_____</u> acres) |
| ☐ beyond 100 feet of a wetlands or watercourse; | area of impact: <u>_____</u> SF <u>_____</u> acres) |

**** See reports attached**

6. FLOW CALCULATIONS:

Does a watercourse flow through the subject property?

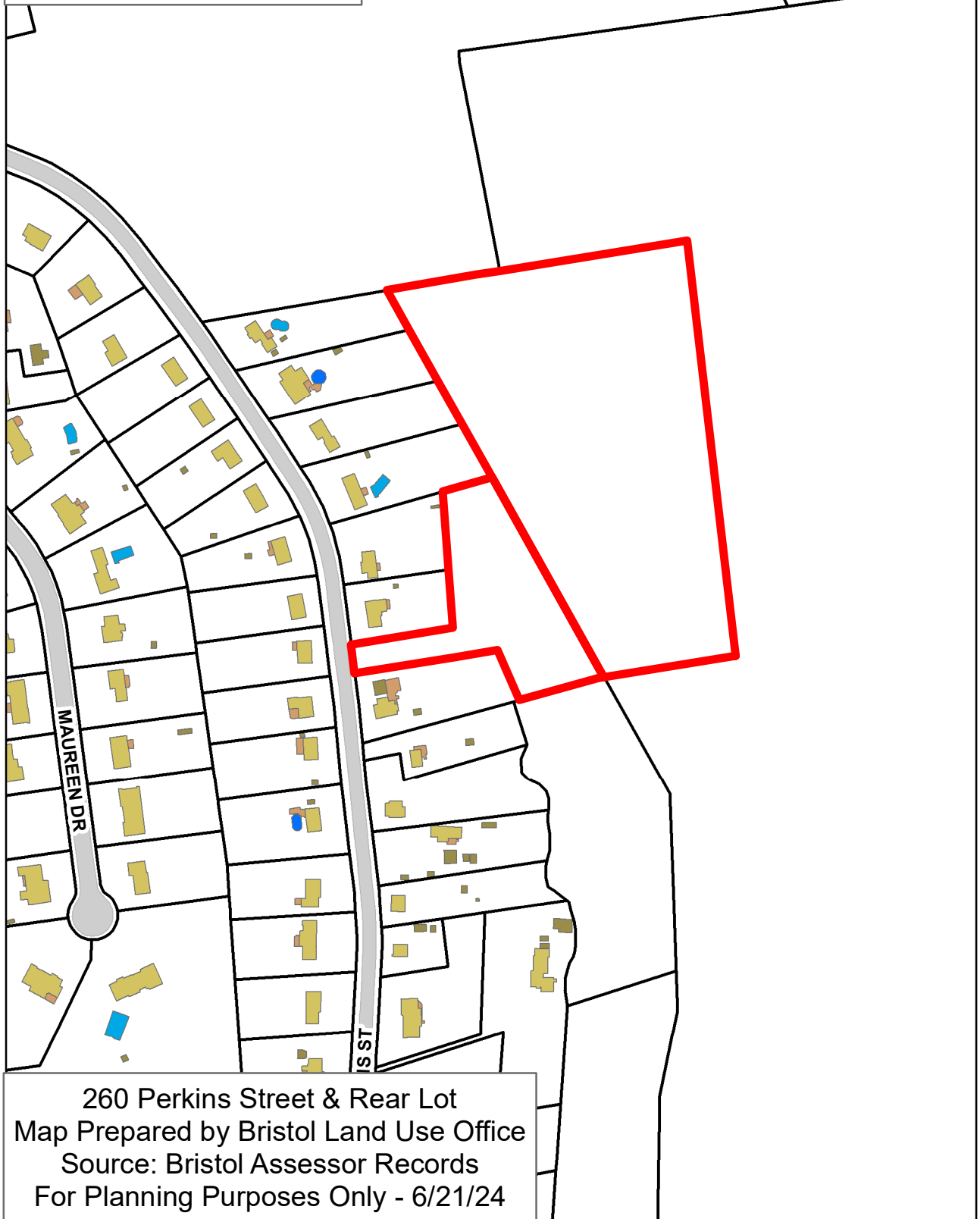
☒ yes ☐ no

If "yes", see instructions for submission requirements.

CC: Timothy W. Furey
Furey, Donovan, Cooney & Dyer P.C
43 Bellexue Ave
Bristol Ct 06010
tfurey@furey donovan.com

Application #2034
Location

Legend
 SITE



260 Perkins Street & Rear Lot
Map Prepared by Bristol Land Use Office
Source: Bristol Assessor Records
For Planning Purposes Only - 6/21/24

Application #2034
Aerial

Legend
 SITE

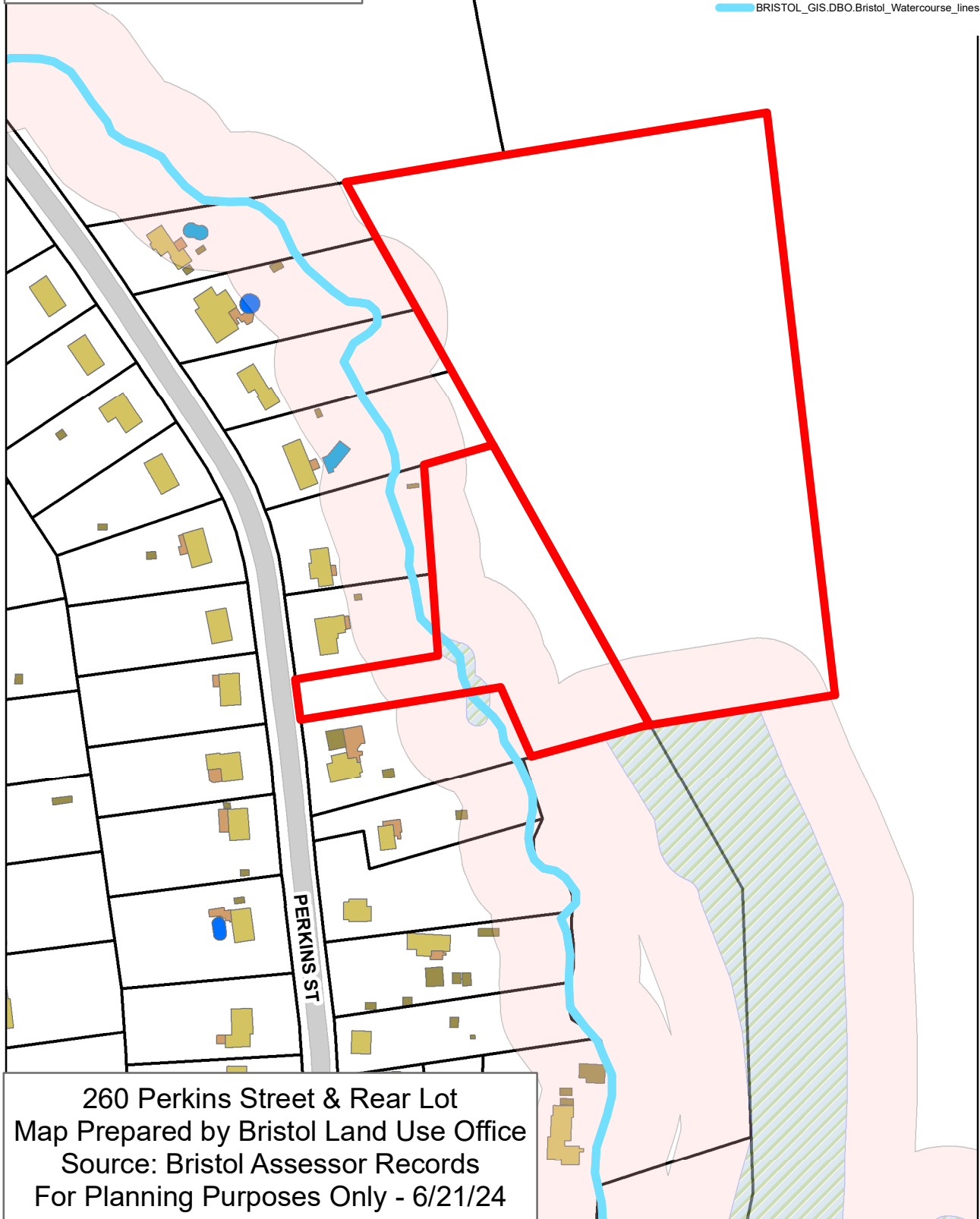


260 Perkins Street & Rear Lot
Map Prepared by Bristol Land Use Office
Source: Bristol Assessor Records
For Planning Purposes Only - 6/21/24

Application #2034
IWWC

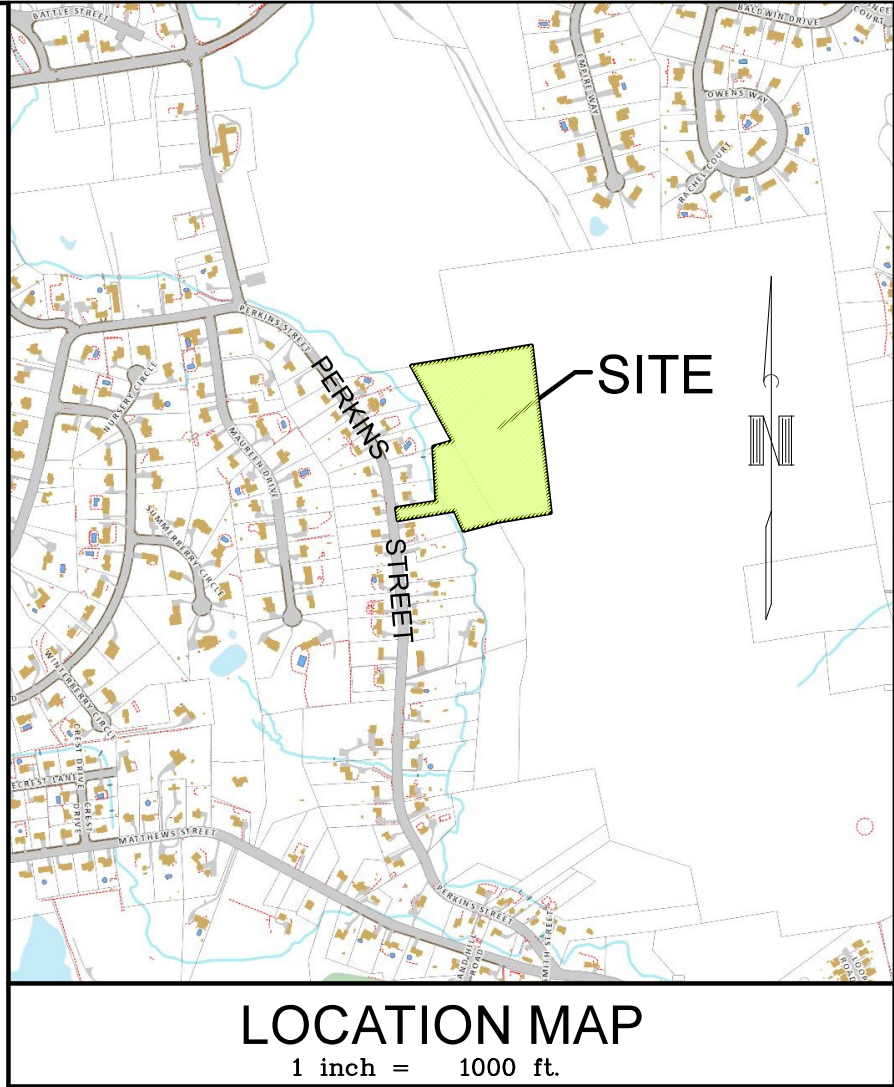
Legend

-  SITE
-  WETLANDS
-  UplandReviewArea
-  BRISTOL_GIS.DBO.Bristol_Waterbodies
-  BRISTOL_GIS.DBO.Bristol_Watercourse_Polygons
-  BRISTOL_GIS.DBO.Bristol_Watercourse_lines



260 Perkins Street & Rear Lot
Map Prepared by Bristol Land Use Office
Source: Bristol Assessor Records
For Planning Purposes Only - 6/21/24

BRISTOL VILLAGE
OPEN SPACE DEVELOPMENT
#260 PERKINS STREET
PREPARED FOR
P & B PROPERTIES LLC
BRISTOL, CONNECTICUT



LIST OF DRAWINGS

- C COVER SHEET
- EC EXISTING CONDITIONS
- SD SITE DEVELOPMENT (1"=30')
- ES E & S CONTROL PLAN (1"=40')
- EN E & S CONTROL NOTES & DETAILS
- S CONSTRUCTION STAGING (STAGES 1-4)
- PP PLAN & PROFILE - ROADWAY
- D DETAILS - SITE CONSTRUCTION

OWNER:
P&B PROPERTIES LLC
65 BURRITT STREET
NEW BRITAIN, CT 06053
VOL. 2281, PG. 517

M/B/L:
60-12-5 & 60-11 REAR

UNDERLYING ZONE:
R-25

PROPOSED ZONE:
OPEN SPACE DEVELOPMENT ZONE
(SECTION 9.1 BRISTOL ZONING REGULATIONS)

TOTAL AREA:
10.693 ACRES

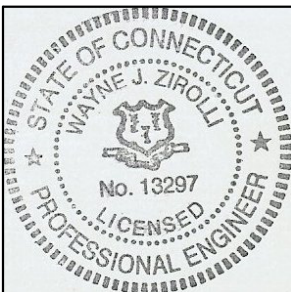
MAXIMUM NUMBER OF LOTS:
10.693 x BDF of 1.5 = 16
PROPOSED DWELLINGS UNITS = 16

ZONING CHART

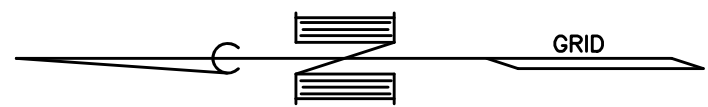
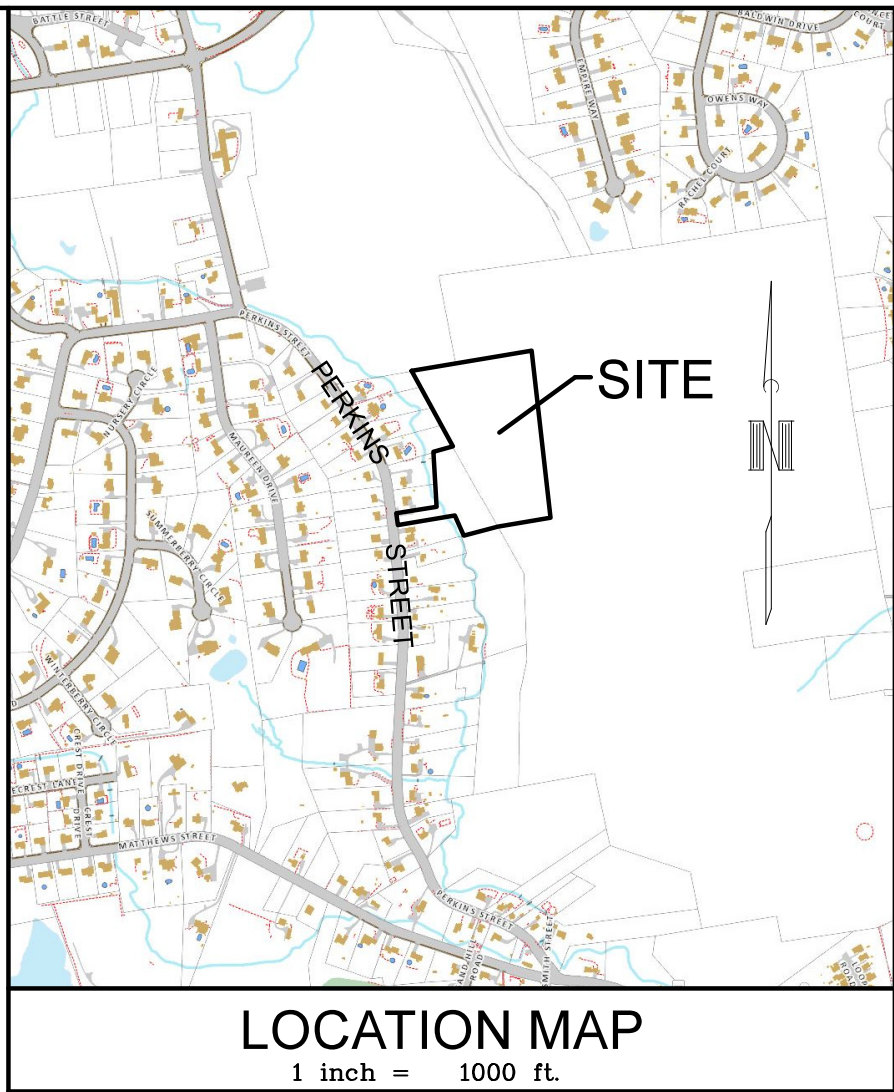
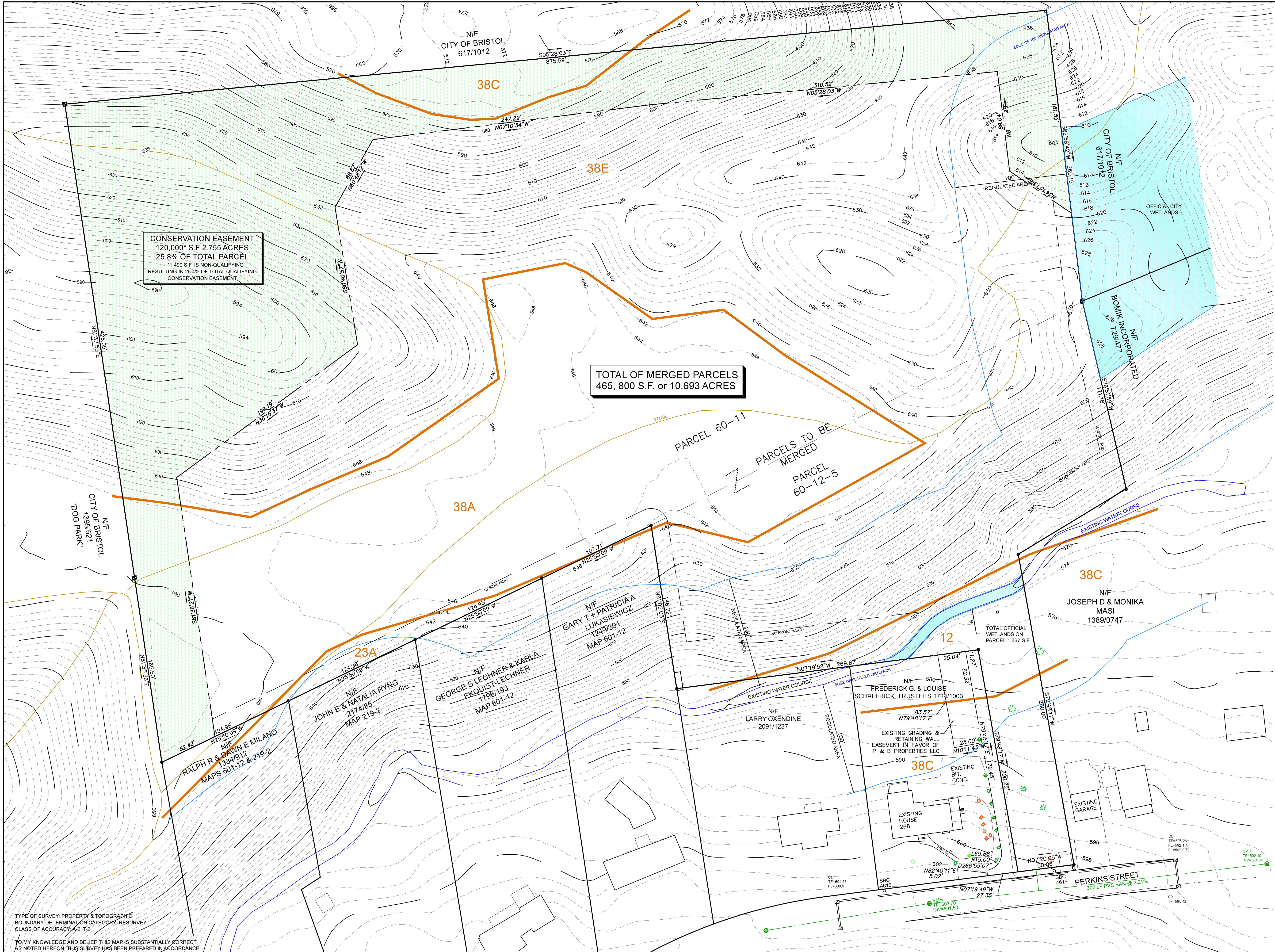
	REQUIRED	PROVIDED
MINIMUM ACREAGE:	10.0	10.693
MINIMUM FRONTAGE:	50'	50.0'
FRONT YARD:	40'	>40'
SIDE YARD:	15'	>15'
REAR YARD:	40'	N/A (CONSERVED)
BUILDING SEPARATION	30' MIN.	>30'

SUBJECT TO CITY OF BRISTOL INLAND WETLAND AND WATERCOURSES COMMISSION APPROVAL AND SUBDIVISION APPROVAL FROM THE PLANNING COMMISSION.

CERTIFIED SUBSTANTIALLY CORRECT:
Wayne J. Zirolli
WAYNE J. ZIROLLI, P.E. & L.S. #13297
SIGNING AS ENGINEER ONLY



WAYNE J. ZIROLLI, P.E. & L.S. Engineering & Surveying 404 Beach Street Litchfield, Connecticut 06759-2314 Phone 203-525-4473	CLARK LAND SURVEYING, LLC 126 TUNXIS ROAD BRISTOL, CONN. 06010 (860)-967-8590 TODD@CLARKLS.BIZ	SHEET C
DATE: 6-17-2024	MAP NO. 2022-64	



LEGEND

- EXISTING MONUMENT
- EXISTING IRON PIPE OR PIN
- EXISTING CONTOUR
- EXISTING ELEVATION
- EXISTING SANITARY SEWER
- EXISTING CATCH BASIN/PIPE
- EXIST. WATER MAIN
- EXISTING TREE
- EXISTING UTILITY POLE/LIGHT
- EXISTING BORING LOCATION
- SOIL BOUNDARY (USDA - NRCS)

TOTAL SITE

WETLANDS 1,367± S.F.
WATERCOURSE - 137 LF

*OFFICIAL CITY OF BRISTOL WETLANDS SHOWN AS AMENDED BY APPLICATION OF AND APPROVAL BY THE INLAND WETLAND COMMISSION OF THE CITY OF BRISTOL (APPLICATION #1089 - APPROVED 11-15-1999)

SOIL TYPES -
38A - HINCKLEY LOAMY SAND 0-3% SLOPES
38C - HINCKLEY LOAMY SAND 3-15% SLOPES
38E - HINCKLEY LOAMY SAND 15-45% SLOPES
12 - RAYPOL SILT LOAM
23A - SUDBURY SANDY LOAM 0-5% SLOPES

AREA 465,800 S.F. or 10.693 ACRES

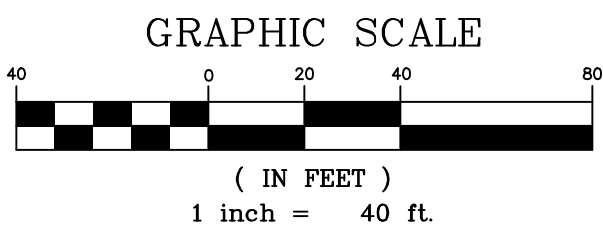
REQUIRED CONSERVATION EASEMENT - 25%
CONSERVATION EASEMENT PROPOSED
(QUALIFYING LAND) - 25.4%

EXISTING CONDITIONS MAP
& CONSERVATION EASMENT PLAN
260 PERKINS STREET
PREPARED FOR
P & B PROPERTIES LLC
BRISTOL, CONNECTICUT

TYPE OF SURVEY: PROPERTY & TOPOGRAPHIC
BOUNDARY DETERMINATION CATEGORY: RESURVEY
CLASS OF ACCURACY: 1, 2, 12
TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT
AS NOTED HEREON. THIS SURVEY HAS BEEN PREPARED IN ACCORDANCE
WITH THE STANDARDS AND SUGGESTED METHODS AND PROCEDURES FOR
THE STATE OF CONNECTICUT, PREPARED AND ADOPTED BY THE
CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC., ON AUGUST 29, 2019.

WILLIAM T. CLARK L.S. #70080

NOT VALID WITHOUT EMBOSSED SEAL



WAYNE J. ZIROLLO, P.E. & L.S.
Engineering & Surveying
404 Beach Street
Litchfield, Connecticut
06759-2314
Phone 203-525-4473

CLARK LAND SURVEYING, LLC
126 TUNXIS ROAD
BRISTOL, CONN. 06010
(860)-967-8590
TODD@CLARKLS.BIZ

DATE: 6-17-2024 SCALE: 1" = 40' MAP NO. 2022-64

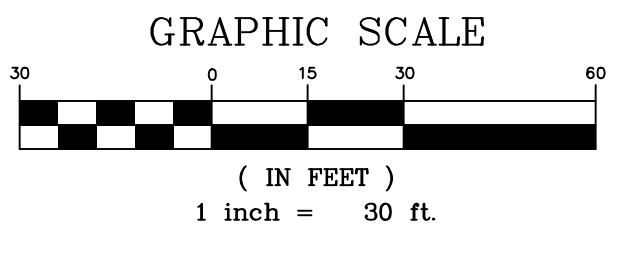
SHEET

EC



LEGEND

- EXISTING MONUMENT
- EXISTING IRON PIPE OR PIN
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING ELEVATION
- PROPOSED ELEVATION
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING CATCH BASIN/PIPE
- PROPOSED CATCH BASIN/PIPE
- EXIST WATER MAIN
- EXISTING TREE
- EXISTING UTILITY POLE/LIGHT
- PROPOSED SURFACE FLOW
- "TO BE REMOVED"
- PROPOSED SILT FENCE
- PROPOSED CLEARING LIMIT
- PROPOSED UNDERGROUND UTILITIES



**SITE DEVELOPMENT PLAN
BRISTOL VILLAGE
PREPARED FOR
P & B PROPERTIES LLC
BRISTOL, CONNECTICUT**

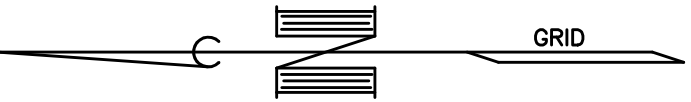
WAYNE J. ZIROLI, P.E. & L.S.
Engineering & Surveying
404 Beach Street
Litchfield, Connecticut
06759-2314
Phone 203-525-4473

CLARK LAND SURVEYING, LLC
126 TUNXIS ROAD
BRISTOL, CONN. 06010
(860)-967-8590
TODD@CLARKLS.BIZ

DATE: 6-17-2024 SCALE: 1" = 30'

SHEET

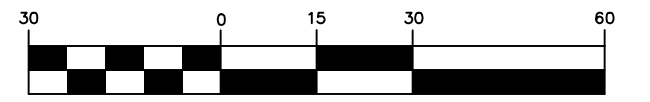
SD



LEGEND

- EXISTING MONUMENT
- EXISTING IRON PIPE OR PIN
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING ELEVATION
- PROPOSED ELEVATION
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING CATCH BASIN/PIPE
- PROPOSED CATCH BASIN/PIPE
- EXIST WATER MAIN
- EXISTING TREE
- EXISTING UTILITY POLE/LIGHT
- PROPOSED SURFACE FLOW
- "TO BE REMOVED"
- PROPOSED SILT FENCE
- PROPOSED STREET TREE

GRAPHIC SCALE



NOTE: SEE STAGING PLANS FOR INTERMEDIATE
EROSION & SEDIMENTATION CONTROL
PLACEMENT. SEE SHEET "EN" FOR EROSION &
SEDIMENTATION CONTROL NOTES AND DETAILS.

SOIL EROSION &
SEDIMENT CONTROL PLAN
BRISTOL VILLAGE
PREPARED FOR
P & B PROPERTIES LLC
BRISTOL, CONNECTICUT

WAYNE J. ZIROLI, P.E. & L.S.
Engineering & Surveying
404 Beach Street
Litchfield, Connecticut
06759-2314
Phone 203-525-4473

CLARK LAND SURVEYING, LLC
126 TUNXIS ROAD
BRISTOL, CONN. 06010
(860)-967-8590
TODD@CLARKLS.BIZ

SHEET

ES

DATE: 6-17-2024 SCALE: 1" = 40'

GENERAL EROSION CONTROL NOTES:

- 1) EROSION AND SEDIMENT CONTROL SHALL BE INSTALLED IN ACCORDANCE WITH THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL," DATED JANUARY, 2002
- 2) THE CONTRACTOR SHALL LOAM AND SEED ALL DISTURBED AREAS AS SOON AS PRACTICAL DURING CONSTRUCTION.
- 3) ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION UNTIL ADEQUATE GROUND COVER IS ESTABLISHED IN ALL DISTURBED AREAS.
- 4) SILT FENCING SHALL BE PLACED DOWN SLOPE OF ALL STOCKPILED MATERIALS.
- 5) ADDITIONAL EROSION CONTROL MEASURES SHALL BE INSTALLED AS NECESSARY AND AS REQUIRED BY APPROPRIATE TOWN REPRESENTATIVE.
- 6) ALL EROSION CONTROL MEASURES SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EVERY RAINFALL. ANY DAMAGE NOTED DURING INSPECTION SHALL BE REPAIRED IMMEDIATELY.
- 7) ALL TEMPORARY AND PERMANENT VEGETATIVE COVER SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL," JANUARY, 2002
- 8) WHERE POSSIBLE, SILT FENCES AND HAYBALES WILL BE INSTALLED A MINIMUM OF 6 FEET FROM THE TOE OF SLOPES.
- 9) ALL SLOPES GREATER THAN 1 FOOT VERTICAL TO 4 FEET HORIZONTAL SHALL BE STABILIZED WITH SEED AND VEGETATIVE COVER UPON FINAL GRADING.
- 10) ALL SITE WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF BRISTOL SPECIFICATIONS AS OUTLINED IN THE ZONING REGULATIONS.

LAND GRADING

GENERAL:

1. THE RESHAPING OF THE GROUND SURFACE BY EXCAVATION AND FILLING OR A COMBINATION OF BOTH, TO OBTAIN PLANNED GRADES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING BASIC CRITERIA:
 - A) THE CUT FACE OF EARTH EXCAVATION SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).
 - B) THE PERMANENT EXPOSED FACES OF FILLS SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).
 - C) THE CUT FACE OF ROCK EXCAVATION SHALL NOT BE STEEPER THAN ONE HORIZONTAL TO FOUR VERTICAL (1:4).
 - D) NO FILL SHOULD BE PLACED WHERE IT WILL SLIDE, OR WASH UPON THE PREMISES OF ANOTHER OWNER OR UPON ADJACENT WETLANDS, WATERCOURSE OR WATERBODY.
 - E) INSTALLATION OF SEDIMENT AND EROSION CONTROLS SUCH AS HAY BALES AND SILT FENCES SHALL BE ESTABLISHED PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITIES. ALL SEDIMENT AND EROSION CONTROL STRUCTURES MUST BE MONITORED AND MAINTAINED BY THE CONTRACTOR UNTIL THE SOIL SURFACE IS STABILIZED.
 - F) IF NECESSARY, LATERAL WATER DIVERSIONS SHALL BE INSTALLED ACROSS THE GRADED ROADWAY TO PREVENT DOWNSLOPE OUTFLOW AND EROSION.
 - G) HAY BALES SHALL BE STAKED AND SILT FENCES SHALL BE PROPERLY SECURED. SEDIMENT WILL BE REMOVED FROM ALL CATCHMENTS AS NECESSARY.
 - H) PRIOR TO ANY REGRAIDING, STONE APRON SHALL BE PLACED BY THE ENTRANCE TO THE WORK AREA IN ORDER TO REDUCE MUD AND OTHER SEDIMENTS FROM LEAVING THE SITE.

TOPSOILING

GENERAL:

1. TOPSOIL SHALL BE SPREAD OVER ALL EXPOSED AREAS IN ORDER TO PROVIDE A SOIL MEDIUM HAVING FAVORABLE CHARACTERISTICS FOR THE ESTABLISHMENT, GROWTH AND MAINTENANCE OF VEGETATION.
 2. REMOVE ALL LARGE STONES, TREE LIMBS, ROOTS, AND CONSTRUCTION DEBRIS.
 3. APPLY LIME ACCORDING TO SOIL TEST OR AT THE RATE OF TWO (2) TONS PER ACRE.
- MATERIAL:
1. TOPSOIL SHOULD HAVE PHYSICAL, CHEMICAL AND BIOLOGICAL CHARACTERISTICS FAVORABLE TO THE GROWTH OF PLANTS.
 2. TOPSOIL SHOULD HAVE A SANDY OR LOAMY TEXTURE.
 3. AN ORGANIC MATTER CONTENT OF OVER TWO (2%) PERCENT IS HIGHLY DESIRABLE. AVOID LIGHT COLORED LOWER SUBSOIL MATERIAL.

APPLICATION:

1. AVOID SPREADING WHEN TOPSOIL IS WET OR FROZEN.
2. SPREAD TOPSOIL UNIFORMLY TO A DEPTH OF AT LEAST FOUR (4") INCHES.

EROSION CHECKS

GENERAL:

1. TEMPORARY PERVIOUS BARRIERS USING BALES OF HAY OR STRAW, HELD IN PLACE WITH STAKES DRIVEN THROUGH THE BALES AND INTO THE GROUND, OR SEDIMENT FILTER FABRIC FASTENED TO A FENCE POST AND BURIED INTO THE GROUND, SHALL BE INSTALLED AND MAINTAINED AS REQUIRED TO CHECK EROSION AND REDUCE SEDIMENTATION.

CONSTRUCTION:

1. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED INTO THE SOIL A MINIMUM OF FOUR (4") INCHES.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY WOOD STAKES OR REINFORCEMENT BARS DRIVEN THROUGH THE BALES AND INTO THE GROUND. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD THE PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
4. FILTER FABRIC SHALL BE SECURELY FASTENED AT THE TOP OF A THREE (3') FOOT HIGH FENCE AND BURIED A MINIMUM OF FOUR (4") INCHES INTO THE SOIL. SEAMS BETWEEN SECTIONS OF FILTER FABRIC SHALL OVERLAP A MINIMUM OF TWO (2') FEET.

INSTALLATION AND MAINTENANCE:

1. BALED HAY EROSION BARRIERS SHALL BE INSTALLED AT ALL STORM SEWER INLETS.
2. BALED HAY EROSION BARRIERS AND SEDIMENT FILTER FENCES SHALL BE INSTALLED AT THE LOCATIONS INDICATED ON THE PLAN AND IN ADDITIONAL AREAS AS MAY BE DEEMED APPROPRIATE DURING EARTH REMOVAL ACTIVITIES.
3. ALL EROSION CHECKS SHALL BE MAINTAINED UNTIL ADJACENT AREAS ARE STABILIZED.
4. INSPECTION SHALL BE FREQUENT (AT MINIMUM MONTHLY AND BEFORE AND AFTER HEAVY RAIN) AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. EROSION CHECKS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORMWATER FLOW OR DRAINAGE.

WINDBLOWN SEDIMENT

GENERAL:

1. ALL WINDBLOWN SEDIMENTS SHALL BE CONTROLLED AT ALL TIMES. THE SITE CONTRACTOR IS RESPONSIBLE FOR APPLYING DUST CONTROL AS OFTEN AS NEEDED TO PREVENT ANY WINDBLOWN SEDIMENTS FROM LEAVING THE SITE. PREDETERMINED TRAFFIC ROUTES FOR ALL TRAFFIC SHALL BE ESTABLISHED BY THE SITE CONTRACTOR TO STABILIZED ROUTES. TEMPORARY AND PERMANENT MULCHING AND TEMPORARY AND PERMANENT VEGETATIVE COVER SHALL BE USED TO MINIMIZE THE NEED FOR DUST CONTROL. MECHANICAL SWEEPERS SHALL BE USED ON ALL PAVED SURFACES TO PREVENT DUST BUILD UP DURING THE COURSE OF SITE WORK.

METHODS:

1. SPRAY ON ADHESIVES ARE ACCEPTABLE AND SHOULD BE APPLIED ACCORDING TO MANUFACTURER'S GUIDELINES.
2. WATER IS ACCEPTABLE BUT MUST BE APPLIED OFTEN IN HOT, DRY WEATHER.
3. CALCIUM CHLORIDE IS ACCEPTABLE BUT MUST BE APPLIED AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE.
4. CRUSHED STONE OR COARSE GRAVEL CAN ALSO BE USED.

GENERAL

THESE GUIDELINES SHALL APPLY TO ALL WORK CONSISTING OF ANY AND ALL TEMPORARY AND/OR PERMANENT MEASURES TO CONTROL WATER POLLUTION AND SOIL EROSION AS MAY BE REQUIRED, DURING THE EARTH REMOVAL OPERATION.

IN GENERAL, ALL CONSTRUCTION ACTIVITIES SHALL PROCEED IN SUCH A MANNER SO AS NOT TO POLLUTE ANY WETLANDS, WATERCOURSE, WATERBODY, AND CONDUIT CARRYING WATER, ETC. THE CONTRACTOR SHALL LIMIT, INsofar AS POSSIBLE, THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS, AND IMMEDIATELY PROVIDE PERMANENT AND TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS AND WATERCOURSE, AND TO PREVENT, INsofar AS POSSIBLE, EROSION ON THE SITE.

SILT FENCE, HAYBALES AND STONE SHALL BE KEPT ON-SITE FOR IMMEDIATE USE AT ALL TIME DURING EARTH MOVING ACTIVITIES.

TEMPORARY VEGETATIVE COVER

GENERAL:

1. TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED ON ALL UNPROTECTED AREAS THAT PRODUCE SEDIMENT, AREAS WHERE FINAL GRADING HAS BEEN COMPLETED, AND AREAS WHERE THE ESTIMATED PERIOD OF BARE SOIL EXPOSURE IS LESS THAN 12 MONTHS.
- SITE PREPARATION:
1. INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
 2. REMOVE LOOSE ROCK, STONE, AND CONSTRUCTION DEBRIS FROM AREA.
 3. APPLY LIME ACCORDING TO SOIL TEST OR AT A RATE OF ONE (1) TON OF GROUND DOLOMITIC LIMESTONE PER ACRE (5 LBS. PER 100 SQUARE FEET).
 4. APPLY FERTILIZER ACCORDING TO SOIL TEST OR AT THE RATE OF 300 LBS. OF 10-10-10 PER ACRE (7 LBS. PER 1,000 SQUARE FEET.)
 5. UNLESS HYDROSEEDING, WORK IN LIME AND FERTILIZER TO A DEPTH OF FOUR (4") INCHES USING A DISK OR ANY SUITABLE EQUIPMENT.
 6. TILLAGE SHOULD ACHIEVE A REASONABLY UNIFORM, LOOSE SEEDBED. WORK ON CONTOUR IF SITE IS SLOPING.

ESTABLISHMENT:

1. USE ANNUAL RYEGRASS AT A RATE OF 40 LBS./AC. OR SUITABLE EQUIVALENT AS SPECIFIED IN THE "GUIDELINES".
2. SEEDING TO BE DONE FROM APRIL 1ST TO JUNE 15 OR AUGUST 1ST TO OCTOBER 1ST. WINTER STABILIZATION PLANTINGS TO BE NO LATER THAN OCTOBER 1ST. THIS INCLUDES STOCKPILE AREAS.
3. APPLY SEED UNIFORMLY ACCORDING TO THE RATE INDICATED BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.
4. UNLESS HYDROSEEDING, COVER RYEGRASS SEEDS WITH NOT MORE THAN 1/4 INCH OF SOIL WITH SUITABLE EQUIPMENT. COVER SUDAGRASS AND SMALL GRAINS WITH 1/2 INCH SOIL.
5. MULCH IMMEDIATELY AFTER SEEDING, IF REQUIRED, ACCORDING TO THE GUIDELINES IN THE "GUIDELINES".

PERMANENT VEGETATIVE COVER

GENERAL:

1. PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED AS VARIOUS SECTIONS OF THE PROJECT ARE COMPLETED IN ORDER TO STABILIZE THE SOIL, REDUCE DOWNSTREAM DAMAGE FROM SEDIMENT AND RUNOFF AND TO ENHANCE THE AESTHETIC NATURE OF THE SITE. IT WILL BE APPLIED TO ALL CONSTRUCTION AREAS SUBJECT TO EROSION WHERE FINAL GRADING HAS BEEN COMPLETED AND A PERMANENT COVER IS NEEDED.

SITE PREPARATION:

1. INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
2. REMOVE LOOSE ROCK, STONE AND CONSTRUCTION DEBRIS FROM AREA.
3. PERFORM ALL PLANTING OPERATIONS PARALLEL TO THE CONTOURS OF THE SLOPE.
4. APPLY TOPSOIL AS INDICATED ELSEWHERE HEREIN.
5. APPLY FERTILIZER ACCORDING TO SOIL TEST OR:

— SPRING SEEDING:
WORK DEEPLY IN SOIL, BEFORE SEEDING, 300 LBS OF 10-10-10 FERTILIZER PER ACRE (7 LBS PER 1,000 SQUARE FEET); THEN SIX (6) TO EIGHT (8) WEEKS LATER APPLY ON THE SURFACE AN ADDITIONAL 300 LBS OF 10-10-10 FERTILIZER PER ACRE.

— FALL SEEDING:
WORK DEEPLY IN SOIL, BEFORE SEEDING, 600 LBS OF 10-10-10 FERTILIZER PER ACRE (14 LBS PER 1,000 SQUARE FEET).

ESTABLISHMENT:

1. SMOOTH AND FIRM SEEDBED WITH CULTIPACKER OR OTHER SIMILAR EQUIPMENT PRIOR TO SEEDING (EXCEPT WHEN HYDROSEEDING).
2. SELECT ADAPTED SEED MIXTURE AS FOLLOWS. NOTE RATES AND THE SEEDING DATES.

SUNNY TO PARTIALLY SUNNY SITES

	LBS./ACRE	LBS./1000 S.F.
KENTUCKY BLUEGRASS	20	0.50
CREeping RED FESCUE	20	0.50
PERENNIAL RYEGRASS	05	0.10
TOTAL	45	1.10

SHADY SITES

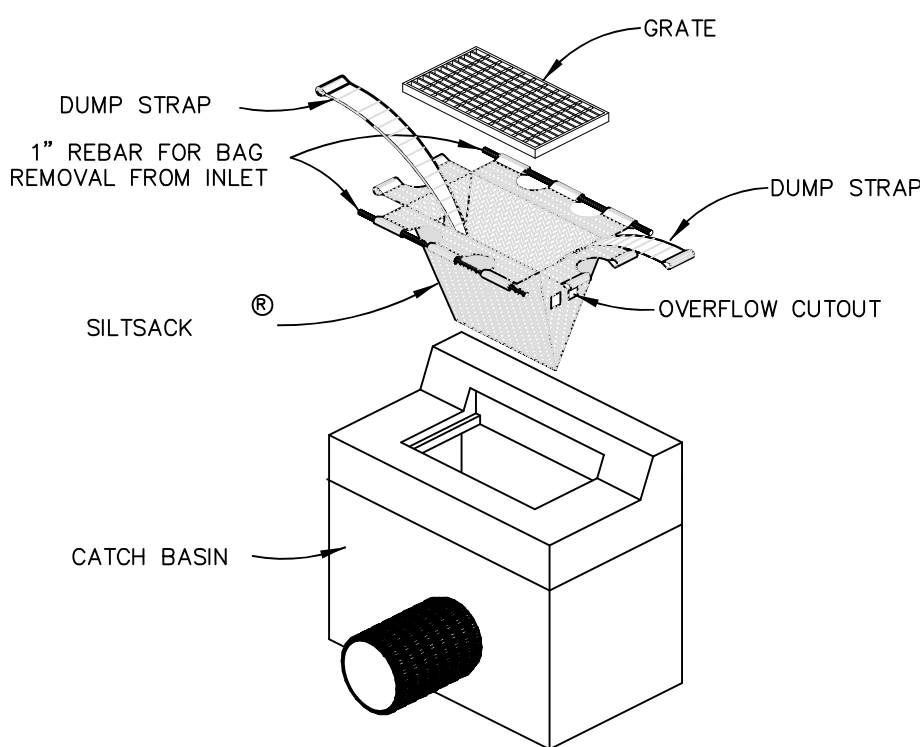
CREeping RED FESCUE	50	1.00
PERENNIAL RYEGRASS	05	0.10
TOTAL	55	1.10

DROUGHTY SITES

CREeping RED FESCUE	40	1.00
TALL FESCUE	20	0.50
TOTAL	60	1.50

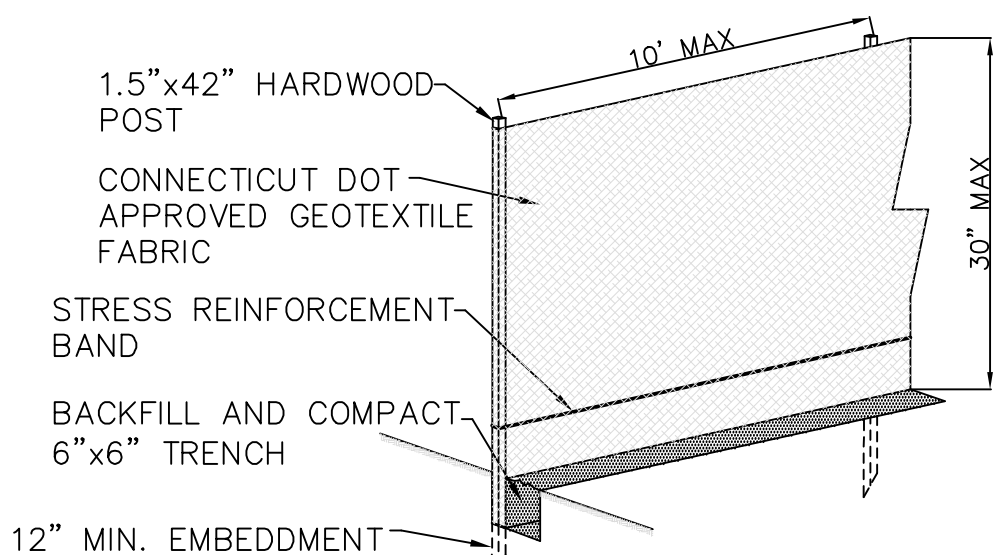
EROSION AND SEDIMENTATION CONTROL NARRATIVE:

1. DISTURBANCE OF SOIL SURFACE IS REGULATED BY STATE LAW. ALL WORK SHALL COMPLY WITH THE APPROVED "GRADING AND EROSION CONTROL PLAN" TO PREVENT OR MINIMIZE SOIL EROSION.
2. THE INSTALLATION AND MAINTENANCE OF EROSION CONTROL DEVICES IS THE RESPONSIBILITY OF THE LAND OWNER AND THE EXCAVATION CONTRACTOR. TOWN OFFICIALS MAY CONTACT TIM BOBROSKE (860-589-3266) TO REPORT ANY FAULTY CONDITIONS. A PRE-CONSTRUCTION CONFERENCE WITH TOWN STAFF IS REQUIRED, PRIOR TO COMMENCEMENT OF ANY SITE WORK OR DISTURBANCE.
3. THE CONTRACTOR SHALL OBTAIN A COPY OF THE "SOIL EROSION & SEDIMENT CONTROL BY THE COUNCIL ON SOIL AND WATER CONSERVATION IN COLLABORATION WITH CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION PUBLICATION DATE: SEPTEMBER 30, 2023 EFFECTIVE DATE: MARCH 30, 2024" AS AMENDED, FOR USE AS A GUIDE IN IMPLEMENTING THE EROSION AND SEDIMENT CONTROLS INDICATED ON THESE PLANS. A FIELD COPY OF THE MANUAL SHALL BE AVAILABLE ON-SITE DURING ACTIVE CONSTRUCTION. THE GUIDELINES MAY BE OBTAINED FROM THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION, CT D.E.P. 79 ELM STREET, HARTFORD, CT 06106-5127, AND ON-LINE THROUGH DEEP.
4. THE CONTRACTOR SHALL INFORM ALL CONSTRUCTION SITE WORKERS ABOUT THE MAJOR PROVISIONS OF THE EROSION AND SEDIMENT CONTROL PLANS AND REQUIRE THEIR COOPERATION IN AVOIDING THE DISTURBANCE OF THESE CONTROL MEASURES.
5. THE CONTRACTOR SHALL SCHEDULE ALL OPERATIONS TO LIMIT DISTURBANCE TO THE SMALLEST PRACTICAL AREA FOR THE SHORTEST POSSIBLE TIME.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE TIMELY INSTALLATION, INSPECTION, REPAIR OR REPLACEMENT OF EROSION CONTROL DEVICES TO ENSURE PROPER OPERATION.
7. THE CONTRACTOR SHALL INSPECT AND REPAIR EROSION AND SEDIMENT CONTROL DEVICES AT THE END OF EACH WORKING DAY AND AFTER EACH STORM.
8. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF UNSATISFACTORY EROSION CONDITIONS NOT CONSIDERED BY THIS EROSION AND SEDIMENT CONTROL PLAN AND SHALL INSTALL ADDITIONAL MEASURES AS DIRECTED BY TOWN OFFICIALS AND/OR ENGINEER. ADDITIONAL EROSION AND SEDIMENT CONTROL DETAILS FROM THE 2024 CT GUIDELINES SHALL BE USED FOR APPLICATIONS THAT ARE NOT INCLUDED IN THESE PLANS.
9. ACCUMULATED SEDIMENT REMOVED FROM EROSION CONTROL DEVICES IS TO BE SPREAD AND STABILIZED IN LEVEL, EROSION RESISTANT LOCATIONS AS GENERAL FILL WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON THE SITE DEVELOPMENT PLAN.
10. ALL DISTURBED AREAS SHALL BE PLANTED WITH GRASS ON 4" THICK TOPSOIL.
11. SEEDING: BETWEEN APRIL 1 TO JUNE 15, AND AUGUST 15 TO SEPTEMBER 30, FOLLOWING SEEDING AND SLOPE STABILIZATION DIRECTIVES.
 - A. FINE GRADE SEED BED TOGETHER WITH LIMESTONE AT A RATE OF 100 LBS PER 1000 SF AND 10-10-10 FERTILIZER AT A RATE OF 15 LBS PER 1000 SF.
 - B. APPLY THE FOLLOWING SEED MIXTURE PER 100 SF: KENTUCKY BLUE GRASS AT 2 LBS, CREEPING RED FESCUE AT 1 LB AND PERENNIAL RYEGRASS AT A RATE OF 2 LBS.
 - C. IF SEEDING CANNOT BE DONE WITHIN THE SPECIFIED SEEDING DATES, SEED WITH ANNUAL RYEGRASS AT A RATE OF 1 LB/1000 SF AS A TEMPORARY MEASURE (LATER RESEEDING REQUIRED) OR SEED AS SPECIFIED AND PROVIDE MULCHING AND/OR PERIODIC WATERING FOR SUMMER MONTHS.
12. MULCHING: IMMEDIATELY FOLLOWING SEEDING, MULCH THE SEEDBED SURFACE WITH STRAW OR HAY AT A RATE OF 1 TON/ACRE. SPREAD MULCH BY HAND OR MULCH BLOWER.



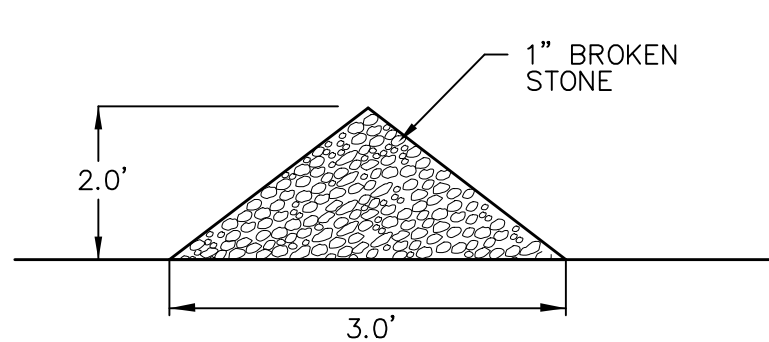
INLET SEDIMENT CONTROL DEVICE

NOT TO SCALE



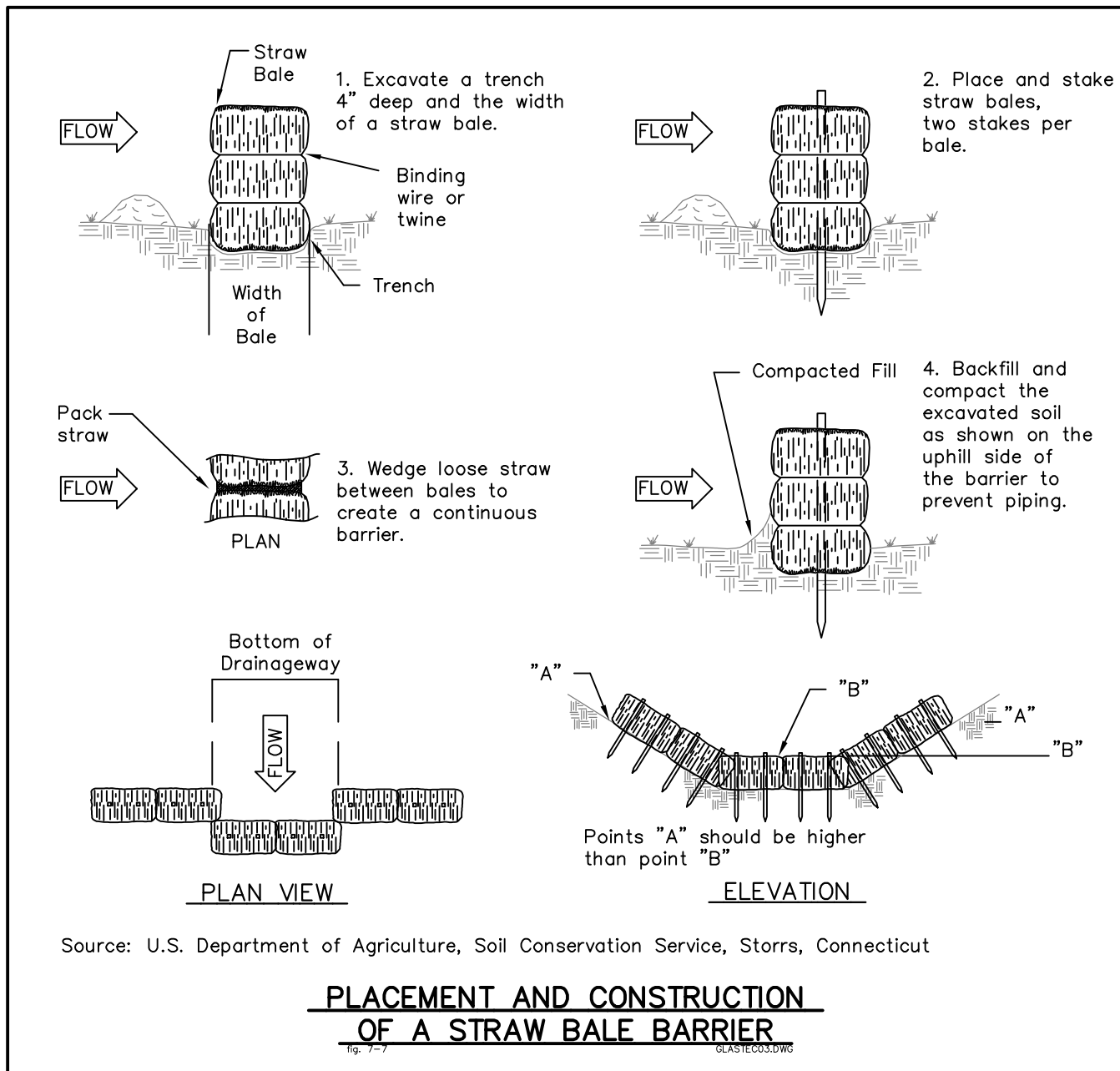
SILT FENCE DETAIL

N.T.S



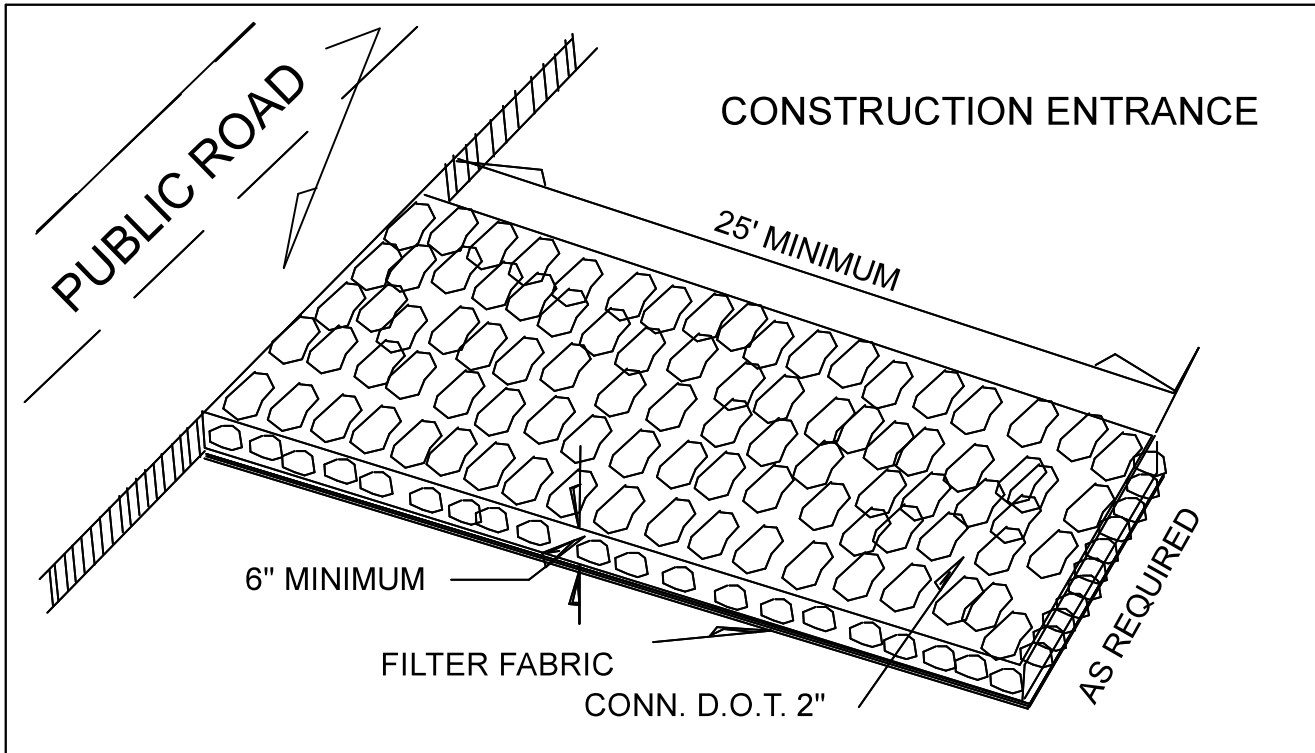
FILTER BERM DETAIL

NOT TO SCALE



Source: U.S. Department of Agriculture, Soil Conservation Service, Storrs, Connecticut

PLACEMENT AND CONSTRUCTION OF A STRAW BALE BARRIER



EROSION & SEDIMENTATION CONTROL DETAILS

BRISTOL VILLAGE

PREPARED FOR

P & B PROPERTIES LLC

BRISTOL, CONNECTICUT

WAYNE J. ZIROLLI, P.E. & L.S.
Engineering & Surveying
404 Beach Street
Litchfield, Connecticut
06759-2314
Phone 203-525-4473

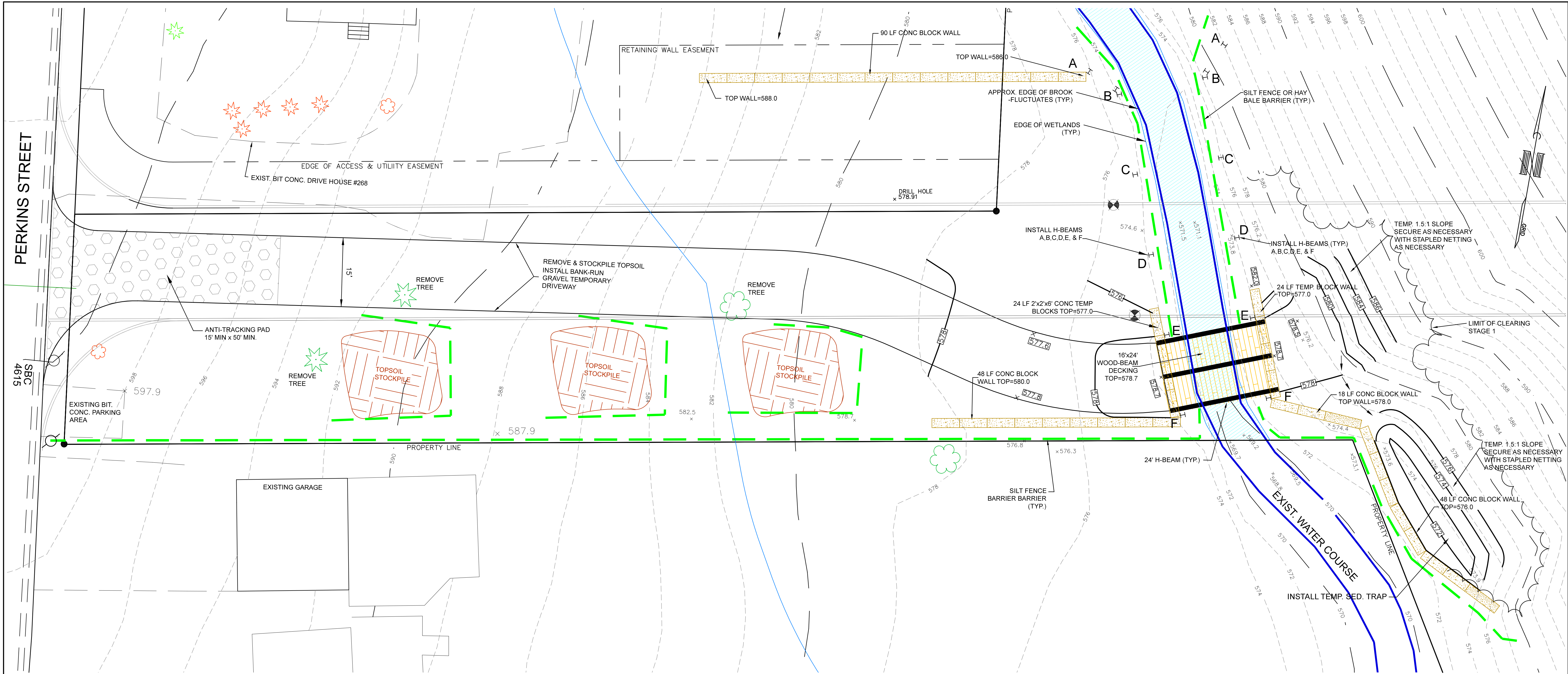
CLARK LAND SURVEYING, LLC
126 TUNXIS ROAD
BRISTOL, CONN. 06010
(860)-967-8590
TODD@CLARKLS.BIZ

DATE: 6-17-2024

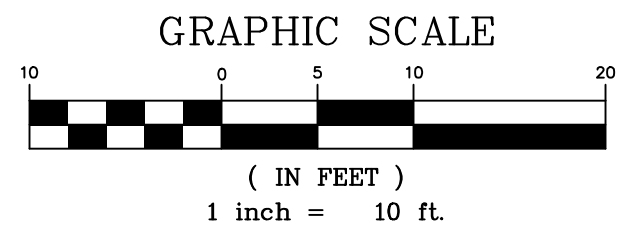
MAP NO. 2022-64

SHEET

EN



STAGE 1



LEGEND

EXISTING CONTOUR	---
PROPOSED CONTOUR	---
EXISTING ELEVATION	598.0
PROPOSED ELEVATION	598.0 x
PROPOSED SILT FENCE	---
PROPOSED CLEARING LIMIT	---

CONSTRUCTION SEQUENCE

- STAGE 1**
1. INSTALL ANTI-TRACKING PAD.
 2. REMOVE TREES FROM 50' ACCESS STRIP.
 3. INSTALL EROSION & SEDIMENTATION CONTROL BARRIERS.
 4. STRIP & STOCKPILE TOPSOIL FROM 15' ACCESS DRIVE.
 5. INSTALL CONCRETE BLOCK WALLS & TEMPORARY BRIDGE SUPPORT.
 6. LAY 24' BEAMS & TEMPORARY WOOD BRIDGE.
 7. REMOVE TREES TO LIMITS OF PHASE 1 CLEARING.
 8. EXCAVATE SEDIMENTATION POND AND STAGING AREA EAST OF WATERCOURSE, USE MATERIAL FOR ACCESS DRIVE.
 9. DRILL & DRIVE H-BEAM BRIDGE PILES.

STAGE 1

WETLANDS DISTURBED - 0 S.F.
WATERCOURSE DISTURBED - 0 LF
REGULATED AREA DISTURBED - 4340± S.F.

CUT EAST OF WATERCOURSE - 500± C.Y.
FILL EAST OF WATERCOURSE - 500± C.Y.

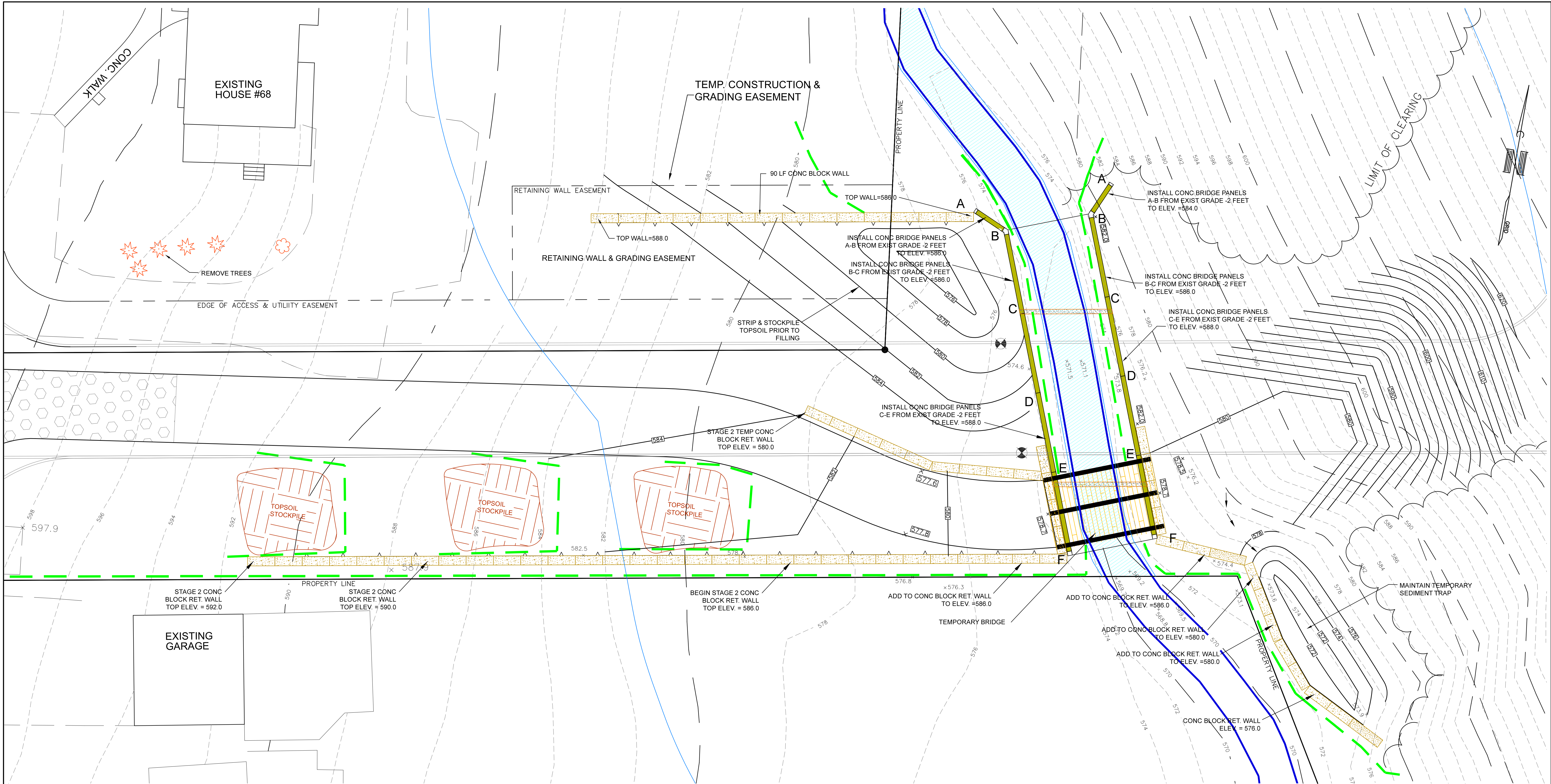
STAGE 1 - CONSTRUCTION PLAN
BRISTOL VILLAGE
PREPARED FOR
P & B PROPERTIES LLC
BRISTOL, CONNECTICUT

WAYNE J. ZIROLI, P.E. & L.S.
Engineering & Surveying
404 Beach Street
Litchfield, Connecticut
06759-2314
Phone 203-525-4473

CLARK LAND SURVEYING, LLC
126 TUNXIS ROAD
BRISTOL, CONN. 06010
(860)-967-8590
TODD@CLARKLS.BIZ

DATE: 6-17-2024 | SCALE: 1" = 10' | MAP NO. 2022-64

SHEET
S1



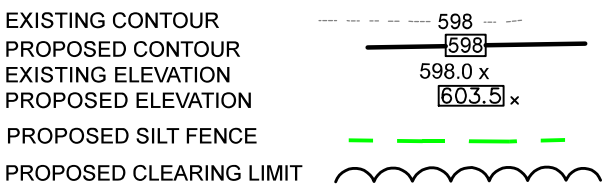
STAGE 2

CONSTRUCTION SEQUENCE

- STAGE 2
1. REMOVE TREES FROM PHASES 2 & 3 CLEARING AREA.
 2. INSTALL ADDITIONAL CONCRETE BLOCKS.
 3. STRIP & STOCKPILE TOPSOIL FROM LEFT SIDE OF ACCESS DRIVE.
 4. INSTALL BRIDGE ABUTMENT PANELS FROM PILES A TO E FROM BASE TO ELEVATIONS AS SHOWN.
 5. EXCAVATE FROM THE EAST SIDE OF THE WATERCOURSE TO FILL ON THE WEST SIDE. GRADE AS SHOWN TO PROVIDE SEDIMENTATION TRAP.

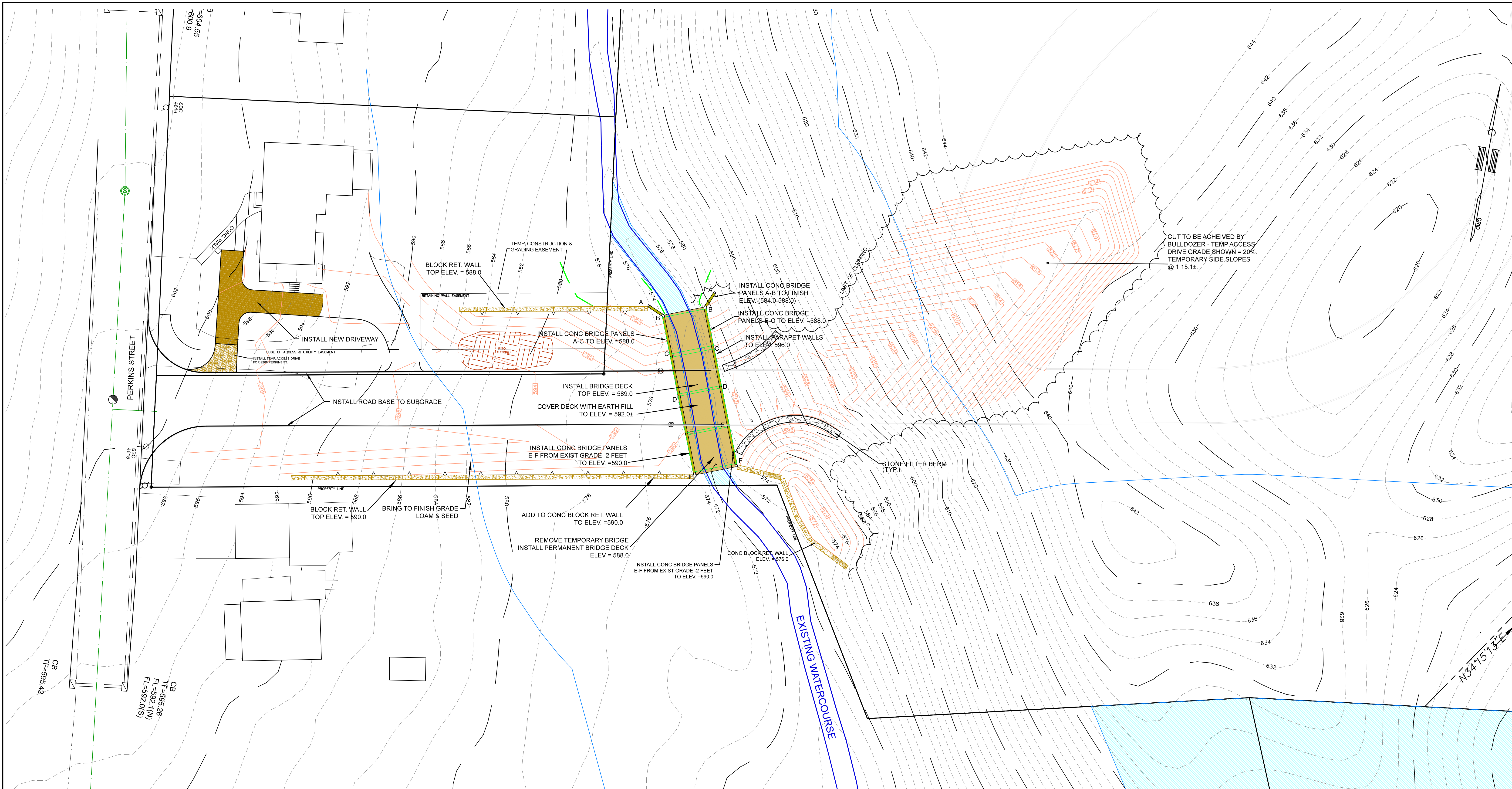
- STAGE 2
- WETLANDS DISTURBED - 0 S.F.
WATERCOURSE DISTURBED - 0 LF
REGULATED AREA DISTURBED - 10,948± S.F.
- CUT FROM EAST OF WATERCOURSE - 700± C.Y.
FILL WEST OF WATERCOURSE - 700± C.Y.

LEGEND

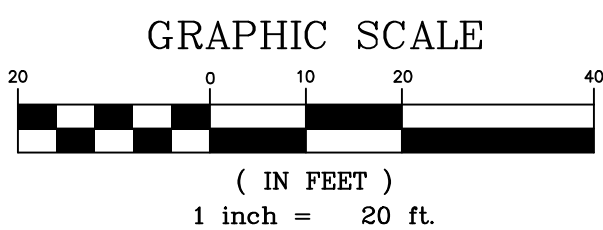


STAGE 2 – CONSTRUCTION PLAN
BRISTOL VILLAGE
PREPARED FOR
P & B PROPERTIES LLC
BRISTOL, CONNECTICUT

WAYNE J. ZIROLLI, P.E. & L.S. Engineering & Surveying 404 Beach Street Litchfield, Connecticut 06759-2314 Phone 203-525-4473	CLARK LAND SURVEYING, LLC 126 TUNXIS ROAD BRISTOL, CONN. 06010 (860)-967-8590 TODD@CLARKLS.BIZ		SHEET S2
	DATE: 6-17-2024	SCALE: 1" = 10'	MAP NO. 2022-64



STAGE 3



LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING ELEVATION
- PROPOSED ELEVATION
- PROPOSED SILT FENCE
- PROPOSED CLEARING LIMIT

CONSTRUCTION SEQUENCE

- STAGE 3**
1. INSTALL ADDITIONAL CONCRETE BLOCKS TO ELEVATIONS SHOWN.
 2. STRIP & STOCKPILE TOPSOIL FROM EAST SIDE OF ACCESS DRIVE.
 3. EXCAVATE FROM EAST SIDE OF THE WATERCOURSE TO FILL THE WEST SIDE. PROVIDE FINISH GRADE EAST SIDE OF ACCESS ROAD, LOAM AND SEED.
 4. RAISE BRIDGE ABUTMENT PANELS TO ELEVATIONS AS SHOWN.
 5. INSTALL PERMANENT BRIDGE DECK, REMOVE TEMPORARY BRIDGE.
 6. INSTALL BRIDGE ABUTMENT PANELS FROM PILES E-D.
 7. EXCAVATE FROM EAST SIDE OF WATER COURSE FILL ON WEST SIDE.

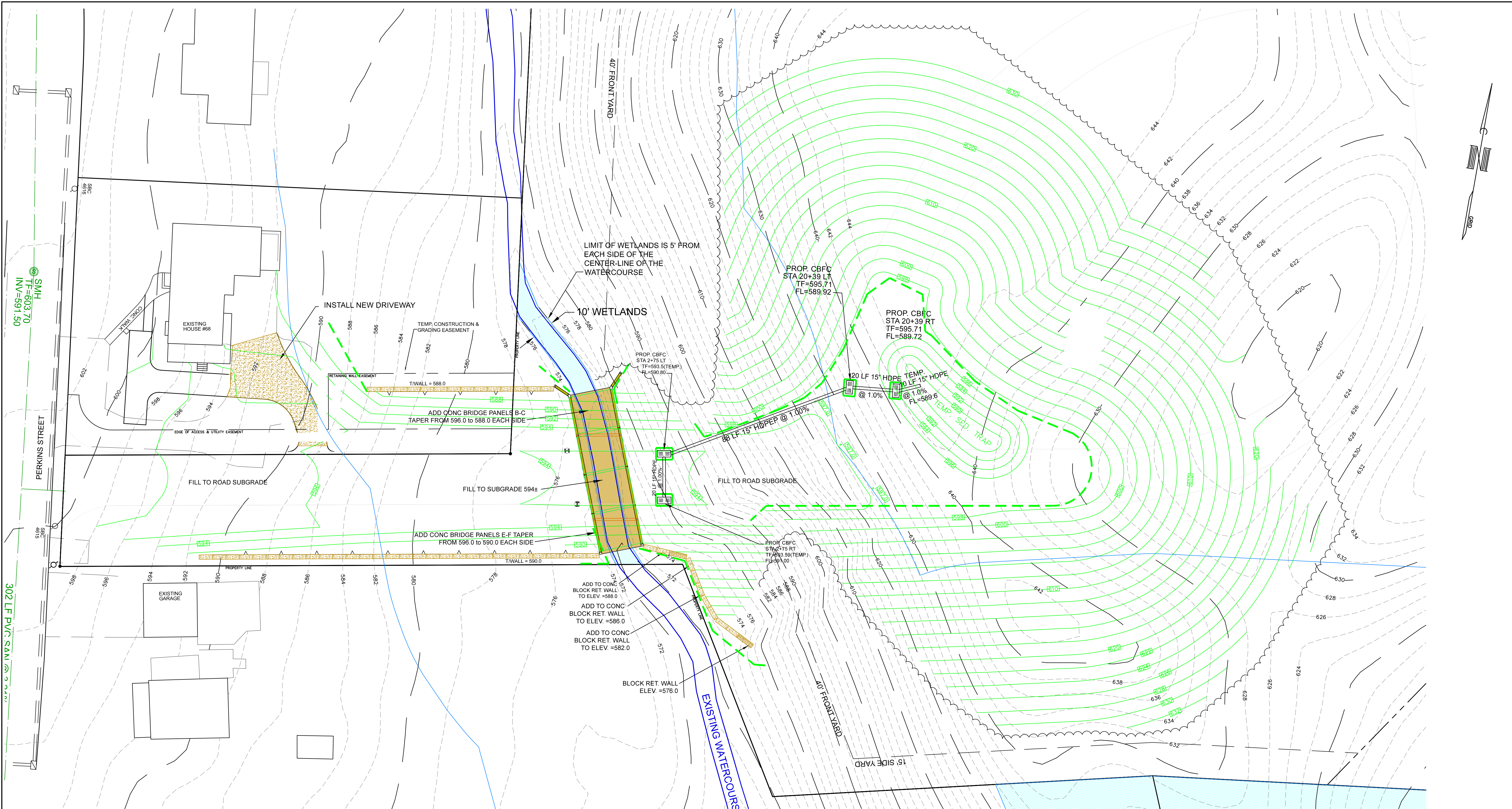
STAGE 3

WETLANDS DISTURBED - 0 S.F.
WATERCOURSE DISTURBED - 0 LF
REGULATED AREA DISTURBED - 15,407± S.F.

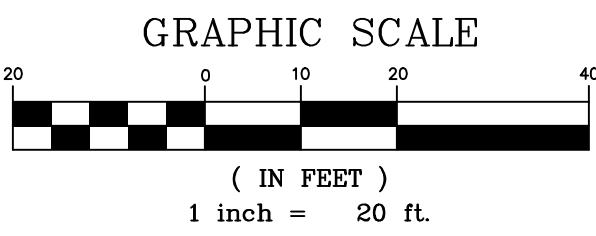
CUT/FILL EAST OF WATERCOURSE - 5,000 C.Y./400 C.Y. NET CUT 4,600± CY
FILL WEST OF WATERCOURSE - 4,600± C.Y.

STAGE 3 - CONSTRUCTION PLAN
BRISTOL VILLAGE
PREPARED FOR
P & B PROPERTIES LLC
BRISTOL, CONNECTICUT

WAYNE J. ZIROLLI, P.E. & L.S. Engineering & Surveying 404 Beach Street Litchfield, Connecticut 06759-2314 Phone 203-525-4473	CLARK LAND SURVEYING, LLC 126 TUNNIS ROAD BRISTOL, CONN. 06010 (860)-967-8590 TODD@CLARKLS.BIZ	SHEET			
		S3			
			DATE: 6-17-2024	SCALE: 1" = 20'	MAP NO. 2022-64



STAGE 4



LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING ELEVATION
- PROPOSED ELEVATION
- PROPOSED SILT FENCE
- PROPOSED CLEARING LIMIT

CONSTRUCTION SEQUENCE

STAGE 4

1. BRING WEST SIDE OF ACCESS STRIP TO FINISHED GRADE, LOAM & SEED.
2. FINISH RE-CONSTRUCTED DRIVEWAY AT HOUSE #268.
3. BRING ROADWAY TO SUB-GRADE.

STAGE 4

WETLANDS DISTURBED - 0 S.F.
WATERCOURSE DISTURBED - 0 LF
REGULATED AREA DISTURBED - 29,600± S.F.*
19,000± S.F. ASSOCIATED WITH WATERCOURSE WETLANDS
10,600± S.F. ASSOCIATED WITH OFF-SITE CITY WETLANDS ON PLATEAU.

CUT/FILL EAST OF WATERCOURSE - 5,000 C.Y./400 C.Y. NET CUT 4,600± CY
FILL WEST OF WATERCOURSE - 4,600± C.Y.

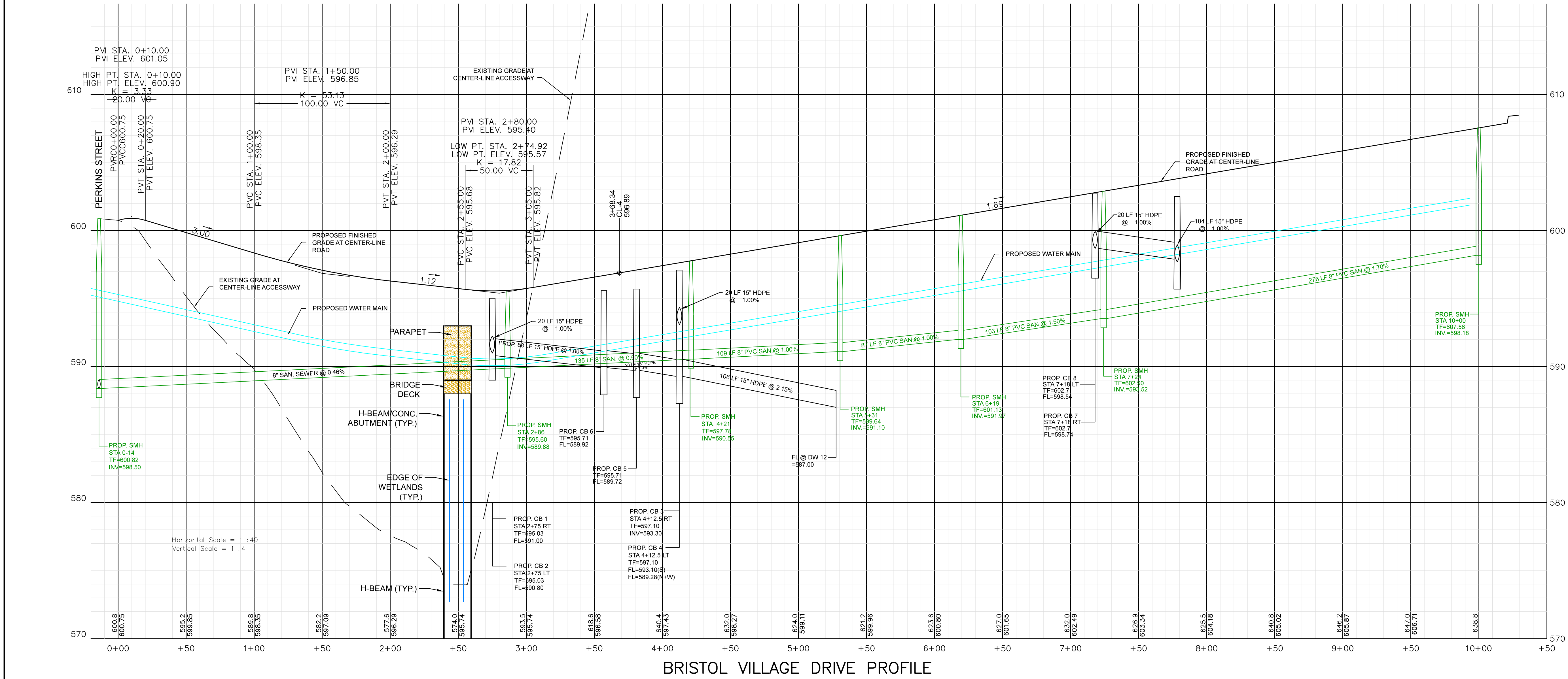
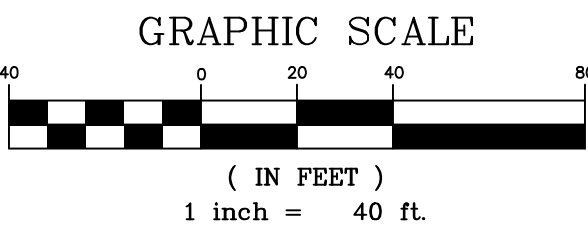
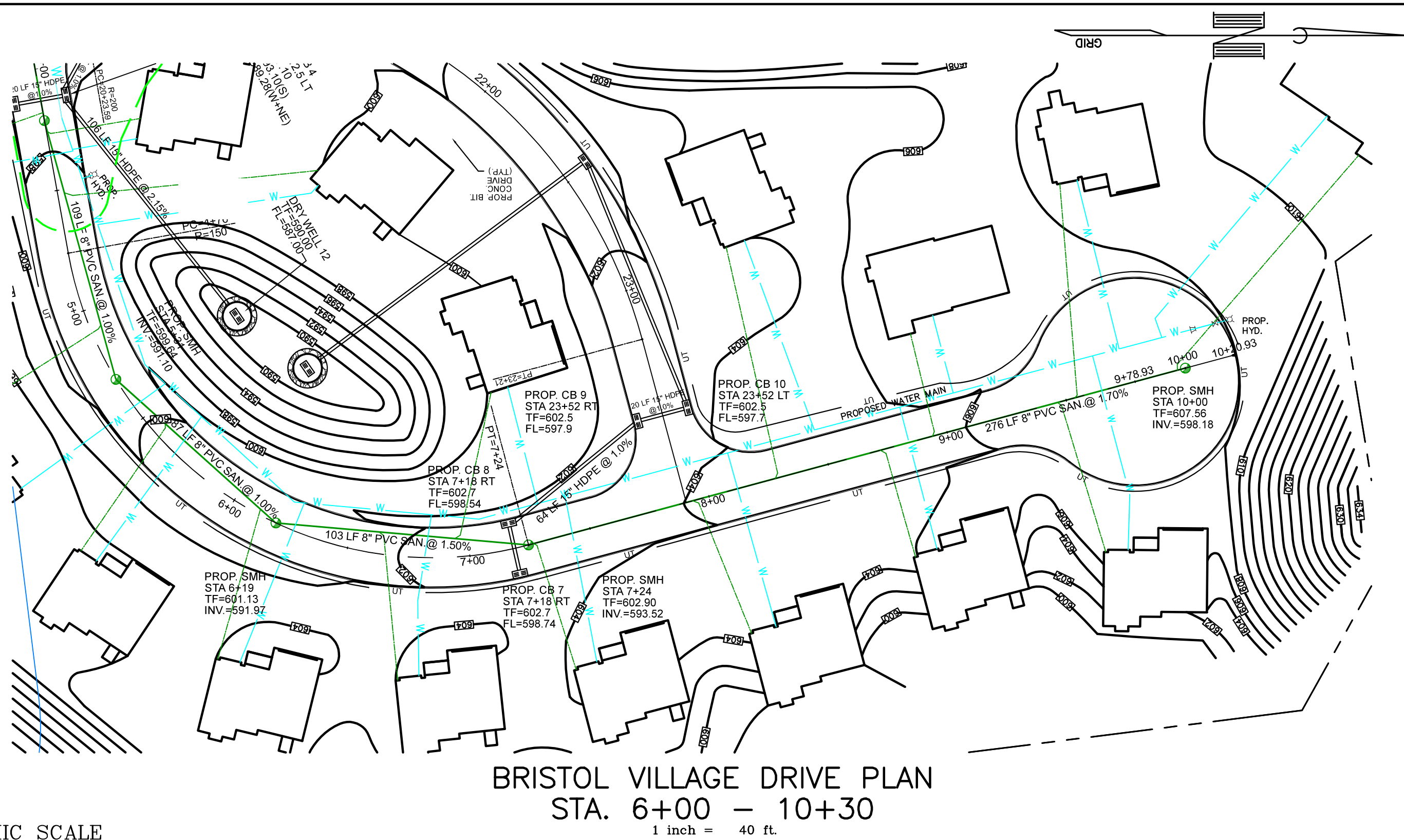
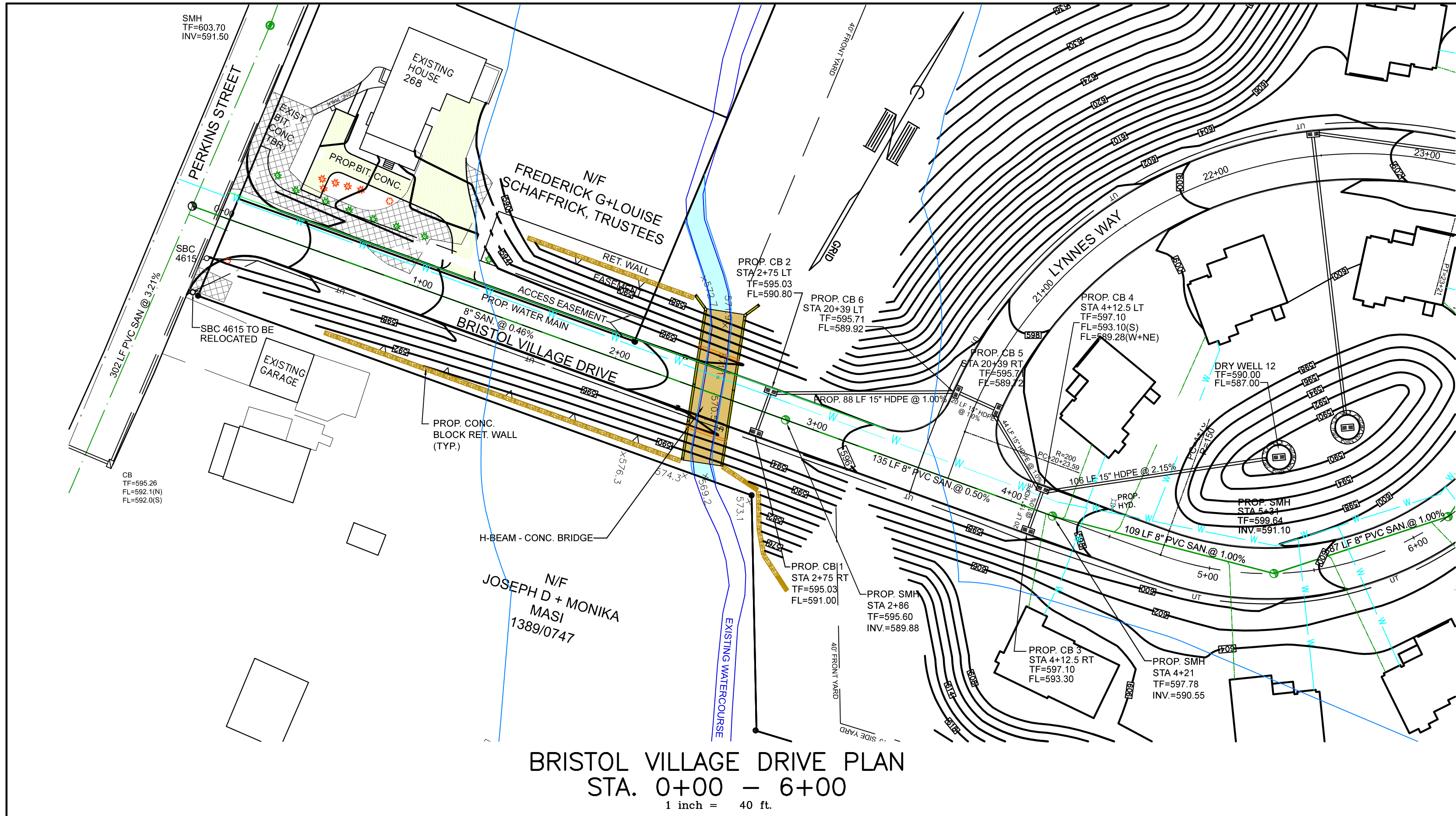
STAGE 4 - CONSTRUCTION PLAN
BRISTOL VILLAGE
PREPARED FOR
P & B PROPERTIES LLC
BRISTOL, CONNECTICUT

WAYNE J. ZIROLI, P.E. & L.S.
Engineering & Surveying
404 Beach Street
Litchfield, Connecticut
06759-2314
Phone 203-525-4473

CLARK LAND SURVEYING, LLC
126 TUNXIS ROAD
BRISTOL, CONN. 06010
(860)-967-8590
TODD@CLARKLS.BIZ

DATE: 6-17-2024 SCALE: 1" = 20' MAP NO. 2022-64

SHEET
S4



PLAN & PROFILE
BRISTOL VILLAGE DRIVE
BRISTOL VILLAGE
PREPARED FOR
P & B PROPERTIES LLC
BRISTOL, CONNECTICUT

WAYNE J. ZIROLLI, P.E. & L.S.
Engineering & Surveying
404 Beach Street
Litchfield, Connecticut
06759-2314
Phone 203-525-4473

CLARK LAND SURVEYING, LLC
126 TUNXIS ROAD
BRISTOL, CONN. 06010
(860)-967-8590
TODD@CLARKLS.BIZ

DATE: 6-17-2024 SCALE: SHOWN

SHEET
PP

C. Webb & Associates, LLC
Environmental Consulting Services

**Environmental Evaluation of the Proposed Bristol Village Project
at 260 Perkins Street for P & B Properties, LLC in Bristol, CT (06-
18-2024)**

C. Webb & Associates, LLC conducted an environmental evaluation of the proposed Bristol Village residential development project on the property located at 260 Perkins Street in Bristol, CT.

Documents reviewed for this evaluation include the following:

- The Site Development Plan and Construction Plans for 260 Perkins Street, Prepared for P & B Properties, LLC, Bristol, CT, dated 06-17-2024.
- Wetland Evaluation Report by C. Webb & Associates, LLC, dated 05-17-2023 (see Attachment A in this report).
- NDDB Preliminary Site Assessment dated 05-14-2023 (see Attachment B in this report).

In addition, we conducted multiple site visits to the project area at various times over the past 2 years to review the wetland and natural resources and to evaluate the area where the proposed project would locate a bridge over an existing watercourse to access the approximately 8.7 acres at the rear of the 10.6-acre parcel.

The objective of this evaluation was to determine if the proposed activity would be sensitive to the ecology of the existing wetland resources. Based on the findings of this evaluation, we offer the following observations.

1.0 PROPOSED PROJECT ACTIVITY

The proposed project is to construct 16 residential structures in the rear parcel of the property with access from 260 Perkins Street using a concrete open bottom bridge to cross an existing unnamed watercourse (the proposed crossing location as shown on the site plan). The access road would be located on an existing parcel that extends from Perkins Street to the rear parcel. Due to the increase in elevation between Perkins Road and the rear parcel, fill will be required to

gradually raise the access road up to the proposed watercourse crossing. From the east side of the bridge crossing, the proposed project will require a cut into the slope to construct the road into the residential development (see site plan).

The proposed road surface of the bridge would be 24 feet wide and will span the watercourse, and it's associated Ordinary High Water (OHW) line, on both sides of the watercourse. The bridge opening under the roadway will be 22 feet wide and 14 feet high which will require no construction within wetland/watercourse resource. Construction of the bridge would be scheduled during the dryer time of the year, typically during the months of July, August, or September.

2.0 EXISTING SITE CONDITIONS DESCRIPTION

Site Description

The combined 10.6-acre parcel is vacant and undeveloped. The parcel is situated between Perkins Street and the City of Bristol's Dog Park/Birge Pond & Hoppers Area.

The site is accessed via the 1.9-acre parcel off Perkins Street. The larger rear parcel has no frontage on an established road. The access from Perkins Street is at elevation 600 feet and descends slightly to a low elevation of approximately 575 feet, where a watercourse bisects the site. The property rises to an elevation of 644 feet on the eastern edge of the parcel and on a large area of the 8.7-acre rear parcel.

The site is forested, except for a small clearing at the entrance off Perkins Street which is maintained as mowed lawn. The forest cover on the site is dominated by Oak, Maple, Beech and Pines in the tree layer. Witch-Hazel, Mountain Laurel, Lowbush Blueberry and Maple-leaved Viburnum characterize the rather sparse shrub layer. At the northern edge of the forest, which occurs along the border of the site, the forest grades into a shrubland vegetated with Black Locust and Black Birch saplings, along with invasive plants, Winged Euonymus and Norway Maple.

The previous landowner's family, since the 1970's, harvested trees on a regular basis for their own use, and maintained an open forest floor so that trees would not be crowded out by samplings and shrubs.

Wetland Resource Area Description

A wetland evaluation conducted 2023 by C. Webb & Associates, LLC, led by Mr. Ian Cole, a Professional Soil Scientist, to validate the current boundaries of the wetlands and watercourses on this property as described in the City of Bristol's wetland boundary change permit issued on November 15, 1999, by the Inland Wetlands Commission. As noted on the official town map, the only wetland resource identified on the project site is an unnamed watercourse that bisects the property into east and west parcels. This wetland resource is described as "5 feet wide to either side of the centerline of the brook as wetlands" and its location within the site is shown on the attached site plan.

Behind (east of) the existing residences along Perkins Street is a stream channel associated with an unnamed watercourse that originates at Chippanee Golf Course. The watercourse flows north to south. The western banks of the watercourse, behind the homes on Perkins Street, have been embedded with various construction debris like concrete, bricks, asphalt, wooden poles, etc. The stream channel is approximately ten (10) feet in width and is very rocky with large boulders and cobbles. A more detailed description with photos and graphics of the wetland resource is presented in the attached Wetland Evaluation Report.

Natural Diversity Data Base (NDDDB) Review

The current NDDDB map for the City of Bristol shows part of a state and federal listed species bubble that overlaid on a portion of the rear lot. A CTDEEP NDDDB Preliminary Site Assessment request was submitted into the database for this location. CTDEEP responded that "current data maintained by the NDDDB and housed in the DEEP ezFile portal, indicates that no populations of State Endangered, Threatened, or Special Concern species (RCA Sec. 26-306), and no Critical Habitats have been documented within or in close proximity to the area delineated". A copy of the CTDEEP response is in Attachment B of this report.

3.0 PROPOSED PROJECT ACTIVITIES IN WETLANDS & REGULATED UPLAND REVIEW AREAS

Wetland & Watercourse Impacts

The proposed project will have no temporary or permanent wetland impacts associated with the construction of this project.

Upland Review Area (URA) Impacts

Upland Review Area (URA) impacts are associated with site grading to either side of the proposed bridge and within the residential development.

There will be approximately 29,600 square feet of disturbance within the URA associated with grading and construction of the proposed access road. The City's wetland map shows a wetland area at the southern property boundary line with City owned property adjacent to the proposed residential area. However, based on the 1999 wetland map amendment, which eliminated that wetland on top of the hill on the project property, but not on the City, the proposed project site plan identifies the disturbance area including that area as an upland review area.

Stormwater Management

The project design approach to treatment of stormwater runoff before it leaves the site and flows into the unnamed watercourse includes a network of catch basins and culverts that will direct stormwater into a large infiltration basin. The stormwater management system was designed to infiltrate the stormwater as well as the recharge groundwater. This approach to treatment of stormwater runoff, before it leaves the site and flows into the unnamed watercourse, has the added benefit of improving water quality and reducing water temperature before it discharges to the unnamed watercourse. See the engineer's Stormwater Management Report for additional details.

Mitigation Measures

We propose the following mitigation measures for this project:

- Phase the construction of the project so that the entire area of the site is not cleared all at once, which will limit the area of disturbed soils exposed to stormwater erosion at any one time. The thorough Phasing Plan will eliminate potential temporary/short-term impacts related to the proposed construction activities. Project staging maps are presented in the plan set.
- A thorough and pro-active erosion and sedimentation (E&S) control plan consistent with state standards has been designed for this project. The plan includes phasing site work, construction stormwater control measures, temporary and permanent stabilization methods, erosion control barriers, and limiting work within the upland review areas. Details

of the E&S controls and the on-site E&S control stockpile areas are presented in site plan set.

- A regularly scheduled environmental and construction inspection program is provided to regularly monitor the work and submit regular reports to the developer and the town. An example of the reporting program is presented in the engineer's Stormwater Management Plan.
- The construction and E&S control phasing details are shown in the site set.

4.0 SUMMARY

The issues normally associated with a project of this type include potential increases in storm water runoff, direct impacts to wetland resources, potential reductions in surface and groundwater quality and volume, and secondary impacts to wetland resources. These potential concerns have all been addressed in the very detailed design and development of this project plan.

The proposed project design is the culmination of the project team's refinement of the alternatives to the proposed plan that were considered to protect the unnamed watercourse. The design process also developed and evaluated reasonable alternatives for treating storm water runoff before it is discharged to the off-site wetland resources.

While some of these alternatives evaluated are feasible for developing this site, the current design of the proposed development represents the most prudent alternative because: the project has been designed to balance the need to develop only a portion of the site; this plan avoids temporary and permanent direct impacts to the wetland resources; it maintains much of the upland review areas as a buffer between the development and the wetlands; it maintains surface water inputs to the wetlands and eventually the unnamed watercourse; and, this plan addresses any potential impacts to surface water quality with the inclusion of stormwater treatment facilities to handle runoff from all developed and impervious areas.

ATTACHMENT A

Soil Scientist's Wetland Evaluation Report

ATTACHMENT "A"

C. Webb & Associates, LLC
Environmental Consulting Services

May 17, 2023

Mr. Todd Clark P.L.S.
Clark Land Surveying, LLC
126 Tunxis Road
Bristol, Connecticut 06010

RE: Wetland Evaluation Report prepared for: 2 Parcels of Land at 260 Perkins Street,
MBL:60-12-5 (1.9 acres) & 60-11 Rear (8.7 acres), Bristol, Connecticut.

Dear Mr. Clark:

C. Webb and Associates, LLC completed a field evaluation of the jurisdictional freshwater inland wetlands and watercourses on the above referenced properties totaling 10.6-acres to verify that the wetland resources identified on the City of Bristol's wetlands map. The field survey verified that the existing site conditions match the City's map which was amended on November 18, 1999.

WETLAND SURVEY METHODOLOGY

The on-site regulated wetlands were evaluated in accordance with the standards of the Natural Resources Conservation Services (NRCS) National Cooperative Soil Survey and the definitions of inland wetlands and watercourses as found in the Connecticut General Statutes, Chapter 440, Sections 22a-36 through 22a-45 as amended. Wetlands, as defined by the Statute, are those soil types designated as poorly drained, very poorly drained, floodplain or alluvial in accordance with the NRCS National Cooperative Soil Survey. Such areas may also include disturbed areas that have been filled, graded, or excavated and which possess an aquic (saturated) soil moisture regime.

Watercourses means rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs, and all other bodies of water, natural or artificial, vernal, or intermittent, public, or private, which are contained within, flow through or border upon the City of Bristol or any portion thereof not regulated pursuant to sections 22a-28 through 22a-35, inclusive, of the Connecticut General Statutes. Intermittent watercourses are defined permanent channel and bank and the occurrence of two or more of the following characteristics: (a) evidence of scour or deposits of recent alluvium or detritus, (b) the presence of standing or flowing water for duration longer than a particular storm incident, and (c) the presence of hydrophytic vegetation.

WETLAND SURVEY RESULTS

A wetland field survey was completed on May 8, 2023, to verify that the on-site wetland and watercourse resources match the City's wetland map. The combined 10.6-acre parcel is vacant and undeveloped. The parcel is situated between Perkins Street and the City of Bristol Perkins Street dog park / Birge Pond & Hoppers Area Trail. Behind (east) the

existing residences along Perkins Street is a stream channel associated with an unnamed watercourse that originates at Chippanee Golf Course. The watercourse flows north to south following along the base of an escarpment that rises to a level outwash plateau that defines the interior of the rear lot. The western banks of the stream behind the homes on Perkins Street has been embedded with various construction debris like concrete, bricks, asphalt, wooden poles, etc. The stream channel is approximately 10' in width and is very rocky with large boulders and cobbles. There is limited floodplain or wetland development outside of the stream channel. Representative site photos are provided below.

SOIL SURVEY

The soils identified along the wetland boundary are a refinement of the Natural Resources Conservation Service (NRCS) Websoil survey. Soils on the site have formed from outwash, glaciofluvial and eolian parent material.

Wetland Soils

The regulated wetland soils are mapped and classified as belonging to the Raypol soil series. These very poorly drained hydric soils have accumulated organic layers and are found on tributaries. Additionally, within the channel of the watercourse are alluvial wetlands soils associated frequently flooded deposits consisting of coarse-silty alluvium and coarse sands and gravel.

Upland Soils

The bulk of the uplands are mapped as excessively well drained – Hinckley loamy sands. These stratified, water sorted sands and gravels are well suited for development and are generally unrestricted. These deep sands and gravels have rapid permeability and high infiltration rates. Surrounding the property are notable bands of mapped Udorthent soils. These mapping units occur in areas where material was previously mined, evidence of how useful the sandy soil material at the site is for building purposes.

Please feel free to contact Clint Webb at 860-680-5598 if you have any questions or comments.

Regards,



Ian T. Cole
Registered Professional Soil Scientist
Professional Wetland Scientist #2006



Clinton L. Webb, Jr.
Senior Wetland Ecologist

WETLAND SURVEY PHOTOS

MAY 8, 2023

260 PERKINS STREET

BRISTOL

CONNECTICUT



Photo 1: Stream that bisects the entrance of the property coming off Perkins Street heading east to the rear lot.



Photo 2: Standing on the west bank of watercourse at the access point off Perkins Street looking east uphill.



Photo 3: Access from Perkins Street



Photo 4: Entrance to site at Perkins Street



Photo 5: Example of the flat level landscape that defines the bulk of the property.

WETLAND SKETCH - 260 PERKINS STREET



Disclaimer: This map is for planning purposes only. Verification of its accuracy, currency and completeness is the responsibility of the reader's own independent research. All inland wetland and watercourse boundaries are subject to refinement once traditionally field located by a Licensed Land Surveyor and formally adopted by the Town. C. Webb and Associates shall not be held liable for any loss, damages or claims made in relation to anyone referring to this map.

City of Bristol

Geographic Information System (GIS)



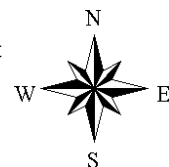
Date Printed: 5/4/2023



MAP DISCLAIMER - NOTICE OF LIABILITY

This map is for assessment purposes only. It is not for legal description or conveyances. All information is subject to verification by any user. The City of Bristol and its mapping contractors assume no legal responsibility for the information contained herein.

Approximate Scale: 1 inch = 150 feet

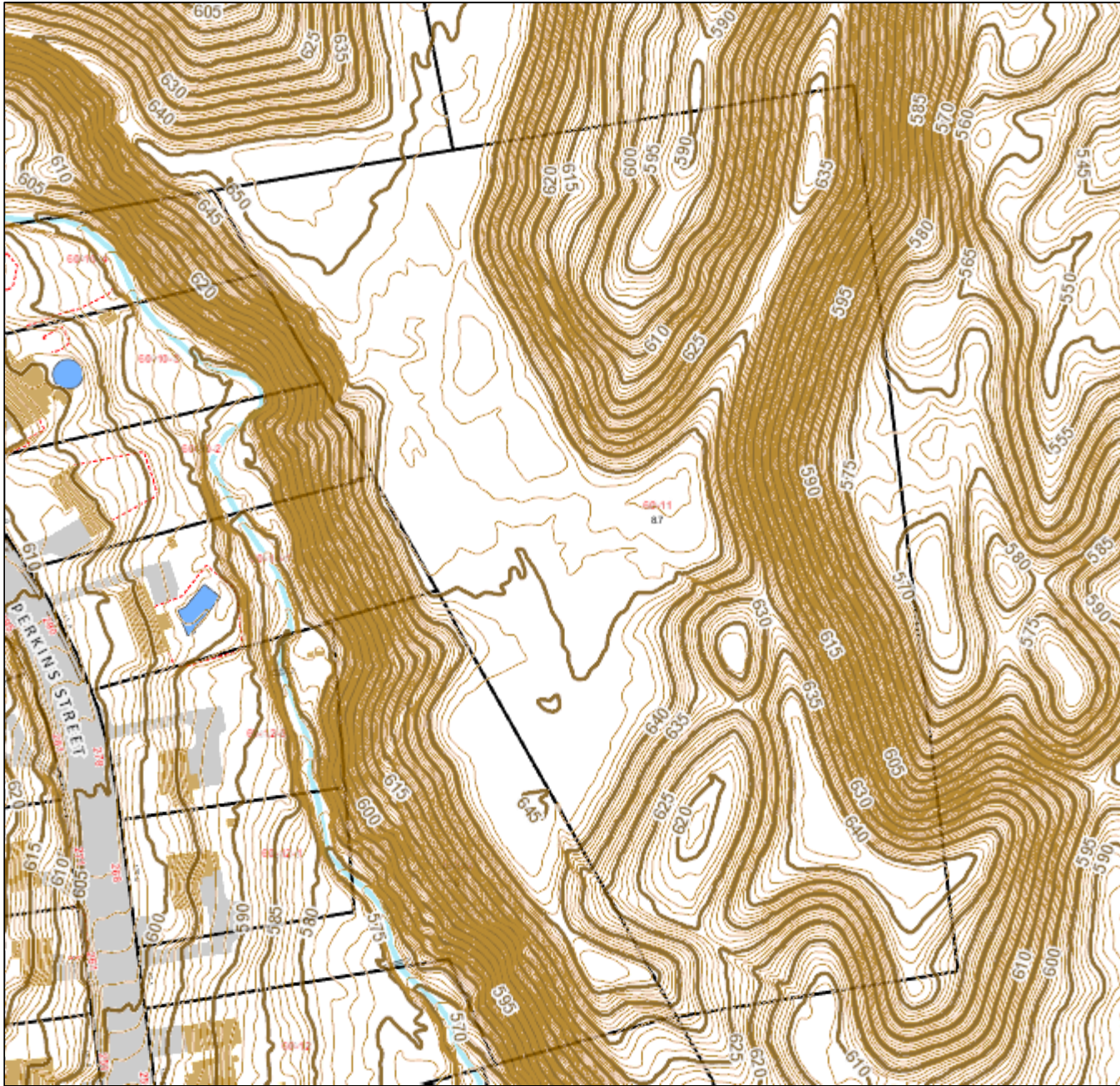


City of Bristol

Geographic Information System (GIS)



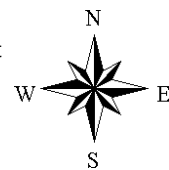
Date Printed: 5/4/2023



MAP DISCLAIMER - NOTICE OF LIABILITY

This map is for assessment purposes only. It is not for legal description or conveyances. All information is subject to verification by any user. The City of Bristol and its mapping contractors assume no legal responsibility for the information contained herein.

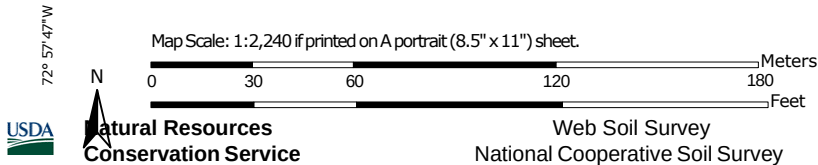
Approximate Scale: 1 inch = 150 feet



Soil Map—State of Connecticut
(BOBOSKE)



Soil Map may not be valid at this scale.



4617660

4617610

4617560

4617510

4617460

4617410

4617660

4617610

4617560

4617510

4617460

4617410

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: State of Connecticut

Survey Area Data: Version 22, Sep 12, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 14, 2022—Oct 6, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
12	Raypol silt loam	0.8	5.4%
23A	Sudbury sandy loam, 0 to 5 percent slopes	0.6	4.2%
38A	Hinckley loamy sand, 0 to 3 percent slopes	2.4	16.7%
38C	Hinckley loamy sand, 3 to 15 percent slopes	1.0	6.8%
38E	Hinckley loamy sand, 15 to 45 percent slopes	9.5	67.0%
Totals for Area of Interest		14.1	100.0%

ATTACHMENT B

NDDB Preliminary Site Assessment

Generated by eNDDb on:
5/22/2023

Clint Webb
Towns: Bristol
Preliminary Site Assessment: 320106937

Subject: Bobroske - Perkins St. Bristol

Current data maintained by the Natural Diversity Database (NDDb) and housed in the DEEP ezFile portal, indicates that no populations of State Endangered, Threatened, or Special Concern species (RCA Sec. 26-306), and no Critical Habitats have been documented within or in close proximity to the area delineated.

Please be advised that this is a preliminary assessment and not a Natural Diversity Database determination. The purpose of this information is to provide a general planning tool which identifies those species that have been reported and may occur on or near the mapped area. A more detailed application and review will be necessary to move forward with any environmental authorization, permit, license, or registration applications submitted to DEEP. If such review is required, please return to the DEEP's ezFile Portal and select [Natural Diversity Database Review](#) to begin the review process.

This Preliminary Site Assessment does not preclude the possibility that species not previously reported to the Natural Diversity Database may be encountered on the site. You are encouraged to report incidental observations to the Natural Diversity Database using the [appropriate survey form](#) and follow the instructions for submittal. We recommend field surveys be conducted in order to evaluate potential habitat and species presence. Field surveys should be performed by a qualified biologist with the appropriate scientific collecting permits at a time when these target species are identifiable. A report summarizing the results of such surveys should include:

1. Survey date(s) and duration
2. Site descriptions and photographs
3. List of component vascular plant and animal species within the survey area (including scientific binomials)
4. Data regarding population numbers and/or area occupied by State-listed species
5. Detailed maps of the area surveyed including the survey route and locations of State listed species
6. Statement/résumé indicating the biologist's qualifications

The site surveys report should be sent to the CT DEEP-NDDb Program (deep.nddbrequest@ct.gov) for further review by program biologists.

Natural Diversity Database information includes all information regarding listed species available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey and cooperating units

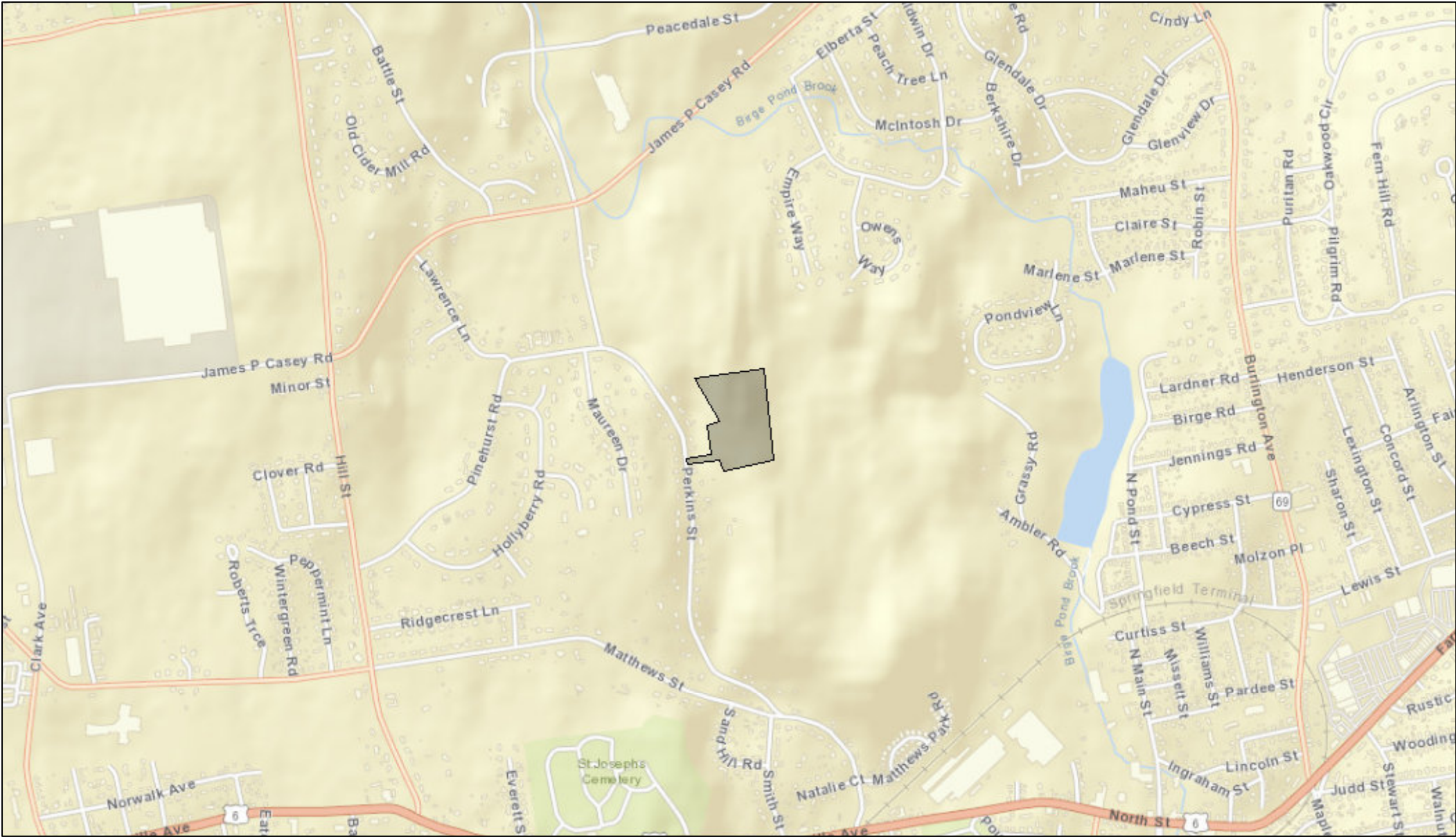
of DEEP, land owners, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the Database and accessed through the ezFile portal as it becomes available.

This letter is computer generated from our existing records and carries no signature. If however, any clarification/error is noted, or, if you have further questions, please contact the following:

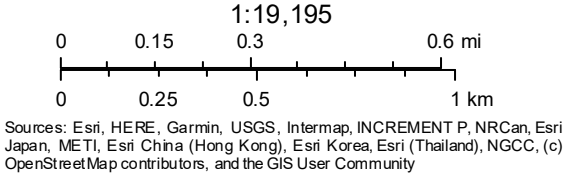
CT DEEP Bureau of Natural Resources
Wildlife Division
Natural Diversity Database
79 Elm Street
Hartford, CT 06106-5127
(860) 424-3011
deep.nddbrequest@ct.gov

Please include a snapshot of the map, your last name, and the subject area town when you e-mail or write. Thank you for consulting the Natural Diversity Data Base.

Boboske Perkins St. Bristol Map



May 14, 2023



**Stormwater Management Report
For Land Use Commissions Submittals
Bristol Village for P & B Properties, LLC,
#260 Perkins Street, Bristol, Connecticut**

June 17, 2024

EXISTING CONDITIONS: Reference is made to the following Plan Set: "Bristol Village, Open Space Development #260 Perkin Street Prepared for P & B Properties LLC, Bristol, Connecticut" Scales as Shown, Date: 6-17-2024, By Clark Land Surveying, LLC, Bristol, Connecticut. The property is located on the east side of Perkins Street approximately one-half mile south of the intersection of Pinehurst Road and Perkins Street. The property is wooded. The property drains to the east and west.

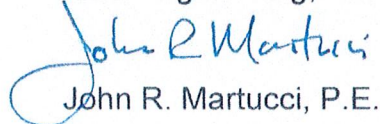
STORMWATER MANAGEMENT: The Rational Method was used to calculate the peak rate of stormwater runoff. The roadway drainage system was designed in accordance with the State of Connecticut Department of Transportation Drainage Manual.

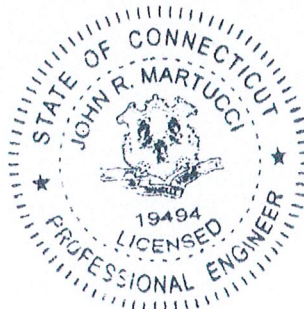
The subsoil throughout the property consists of sands and gravels classified as: Hydrologic Soil Group: A, excessively drained, with no evidence of seasonally high ground water. The soil conditions are excellent for infiltrating storm water. Therefore, each of the proposed homes will have an infiltration area, sized to hold and infiltrate the roof runoff.

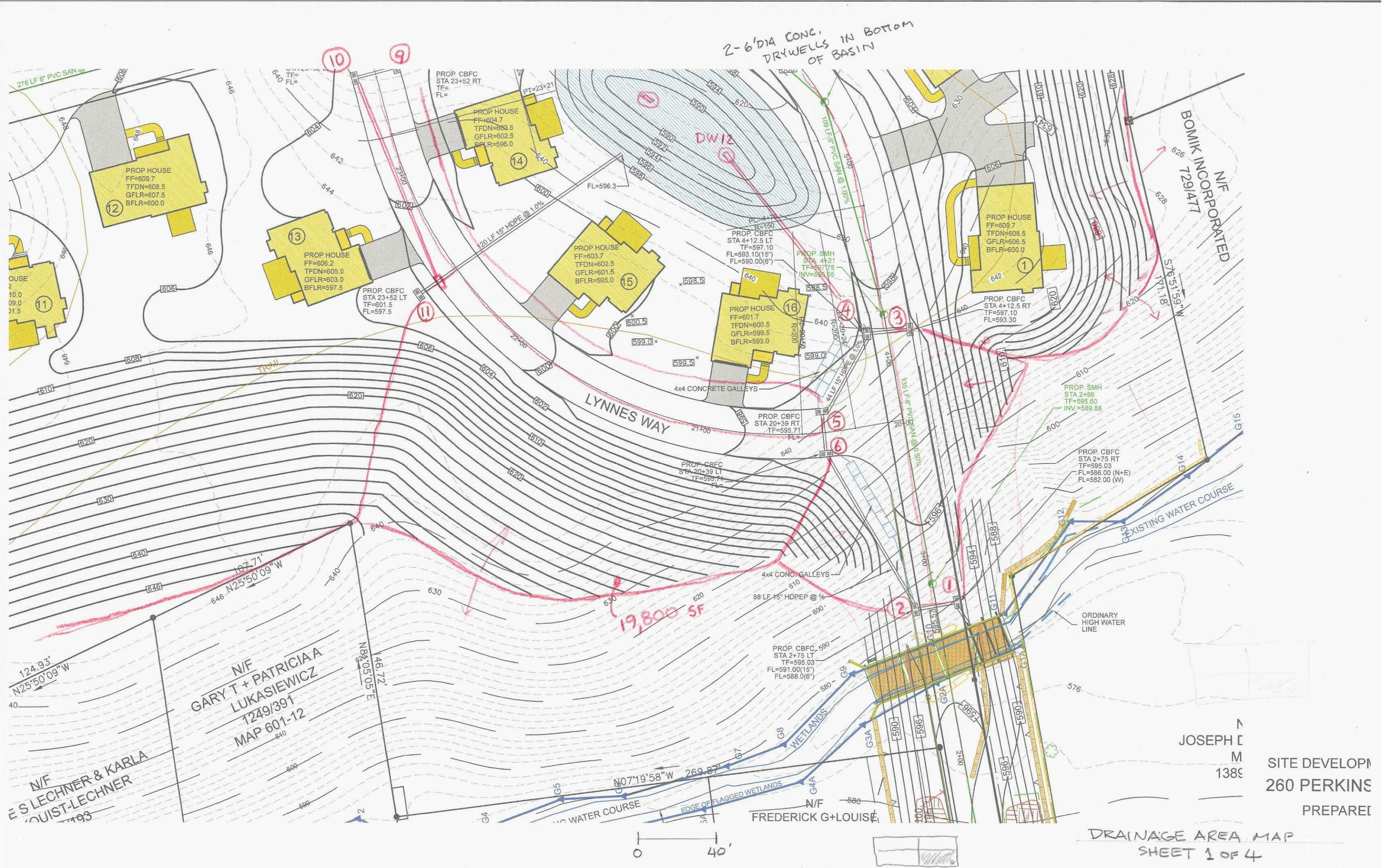
The drainage system of catch basins and culverts directs stormwater runoff from roads and bordering vegetated surfaces to a large infiltration basin that will reduce runoff from the property to nearly zero. This proposal will not increase the peak rate of runoff from the property, nor will it increase the potential for downstream flooding.

CONCLUSION: The proposed development meets the requirements of the Connecticut D.E.E.P. 2024 Connecticut Stormwater Quality Manual and will not have adverse effects on down-gradient properties. This proposal will not increase the peak rate of runoff from the property and is in keeping with the policies and goals of the Bristol Planning and Zoning Commission.

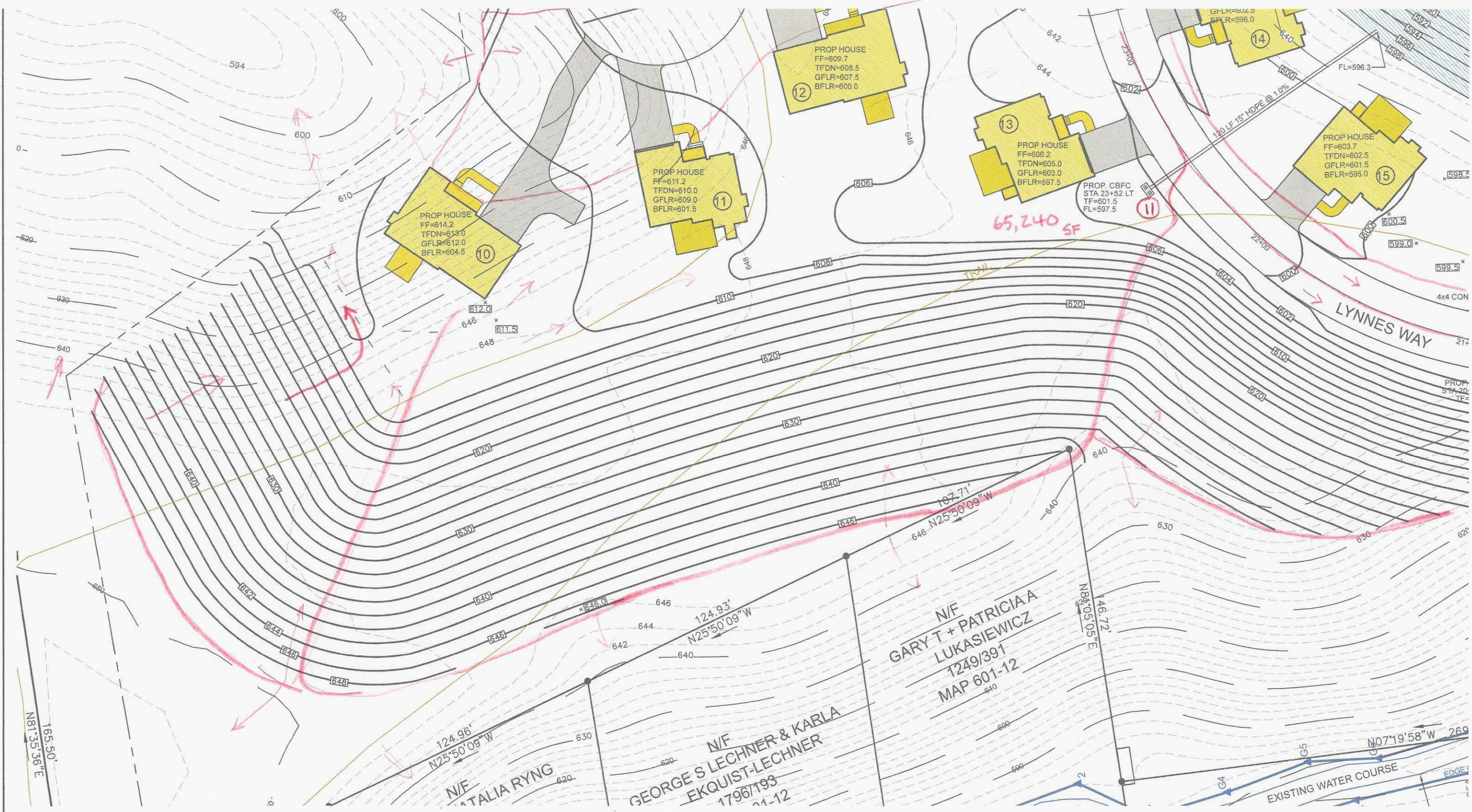
Submitted by:
LBM Engineering, LLC


John R. Martucci, P.E.





DRAINAGE AREA MAP
SHEET 1 OF 4



- LIST OF DRAWINGS
1. SITE DEVELOPMENT PLAN - TOPOGRAPHIC



DRAINAGE AREA MAP
SHEET 3 OF 4



DRAINAGE AREA MAP
SHEET 4 OF 4

PREPARED BY J Martucci	DATE PREPARED 6/2024	LBM Engineering, LLC 11 HALLY LANE COLCHESTER, CONNECTICUT 06415 TEL: (860)-416-9809 EMAIL: JOHN@LBMENGINEERING.COM	JOB NUMBER	PAGE NUMBER 1
CHECKED BY	DATE CHECKED		CLIENT NAME	TOTAL PAGES 8

STORM WATER CALCS.

RATIONAL METHOD: $Q = C \times I \times A$

Q = FLOW RATE IN CUBIC FEET / SECOND (CFS)

A = AREA IN ACRES

C = IMPERVIOUS COEFFICIENT

I = RAINFALL INTENSITY INCHES / HOUR

CB1 HYDROLOGIC SOIL GROUP A, STEEP SLOPES

4 $\frac{1}{4}$ AC PAVEMENT = 0.12 AC

USE $C = 0.20$ FOR OVERLAND FLOW

USE $C = 0.95$ FOR PAVEMENT

$T_c = 10$ MINUTES - SMALL AREAS WITH MIXED
OVERLAND & PAVEMENT

ROOF RUNOFF FROM HOUSES WILL BE INFILTRATED.
(0.04 AC EACH ROOF)

DRAINAGE AREAS:

CB1 STA 2+75 RT

$$\text{PAVT } 405' \times 12' = 0.11 \text{ AC} \times 0.95 = 0.104$$

$$\text{O'LAND} = 0.08 \text{ AC} \times 0.20 = 0.016$$

$$\underline{0.19}$$

$$\underline{0.120}$$

$$\text{WEIGHTED } C = 0.12 / 0.19 = 0.632$$

CB2 STA 2+75 LT

SAME AS CB1

$$0.120$$

$$0.632$$

PREPARED BY JRM	DATE PREPARED 6/2024	LBM Engineering, LLC 11 HALLY LANE COLCHESTER, CONNECTICUT 06415 TEL: (860)-416-9809 EMAIL: JOHN@LBMENGINEERING.COM	JOB NUMBER	PAGE NUMBER 2
CHECKED BY	DATE CHECKED		CLIENT NAME	TOTAL PAGES 8

CB 3 STA 4+12 RT

			A x C
PAVT	306' x 12 = 0.08 AC	x 0.95 =	0.076
DRIVEWAY	0.03 AC	x 0.95 =	0.028
* O'LAND	0.74 AC	x 0.20 =	0.148
	<u>0.85</u>		<u>0.252</u>
* MEASURED IN CAD			
			WEIGHTED = 0.252 / 0.85 = 0.297

CB 4 STA. 4+12 LT

PAVT	306' x 12 = 0.08 AC	x 0.95 =	0.076
O'LAND	306' x 11 = 0.08 AC	x 0.20 =	0.016
	<u>0.16 AC</u>		<u>0.092</u>
			WEIGHTED 0.092 / 0.16 = 0.575

CB 5 STA 20+39 RT

PAVT	313' x 12' = 0.08 AC	x 0.95 =	0.076
O'LAND	313 x 11' = 0.08 AC	x 0.20 =	0.016
			<u>0.092</u>
			WEIGHTED 0.092 / 0.16 = 0.575

CB 6 STA 20+39 LT

PAVT	213 x 12 = 0.06	x 0.95 =	0.057
O'LAND	0.39	x 0.20 =	0.078
	<u>0.45</u>		<u>0.135</u>
			WEIGHTED 0.135 / 0.45 = 0.300

PREPARED BY JRM	DATE PREPARED 6/20/24	LBM Engineering, LLC 11 HALLY LANE COLCHESTER, CONNECTICUT 06415 TEL: (860)-416-9809 EMAIL: JOHN@LBMENGINEERING.COM	JOB NUMBER	PAGE NUMBER 3
CHECKED BY	DATE CHECKED		CLIENT NAME	TOTAL PAGES 8

CB 7 STA 7+18 RT

A x C

$$\begin{array}{lcl}
 \text{PAVT } (210' \times 12') + (4 \times 18 \times 20) & = & 0.09 \text{ AC} \times 0.95 = 0.086 \\
 \text{1/2 CUL-DE-SAC } 50^2 \times \pi \times 0.5 & = & 0.09 \text{ AC} \times 0.95 = 0.086 \\
 \text{O'LAND} & = & 0.04 \text{ AC} \times 0.20 = 0.008 \\
 & \underline{\hspace{1cm}} & \\
 & 0.22 \text{ AC} & 0.180
 \end{array}$$

WEIGHTED $0.180 / 0.22 = 0.818$

CB 8 STA 7+18 LT

$$\begin{array}{lcl}
 \text{PAVT } 12' \times 50' & = & 0.01 \text{ AC} \times 0.95 = 0.010 \\
 \text{O'LAND} & 0.01 \text{ AC} \times 0.20 & 0.002 \\
 & \underline{\hspace{1cm}} & \\
 & 0.02 & 0.012 \\
 & 0.012 / 0.02 = 0.600 &
 \end{array}$$

CB 9 STA 23+52 RT

CB'S 8 & 9 ARE INSIGNIFICANT. ONLY
DRAIN 1/2 OF THE INTERSECTION. THEY
ARE NEEDED FOR ANGLE POINTS.

0.012

WEIGHTED 0.600

CB 10 STA 23+52 LT 15783 0.362 AC

$$\begin{array}{lcl}
 \text{PAVT } 160 \times 12' & = & 0.04 \text{ AC} \times 0.95 = 0.038 \\
 \text{1/2 CUL-DE-SAC } 0.5 \times 50^2 \times \pi & = & 0.09 \text{ AC} \times 0.95 = 0.086 \\
 \text{O'LAND} & = & 0.23 \text{ AC} \times 0.20 = 0.046 \\
 & \underline{\hspace{1cm}} & \\
 & 0.36 \text{ AC} & 0.170
 \end{array}$$

WEIGHTED $0.170 / 0.36 = 0.472$

PREPARED BY JRM	DATE PREPARED 6/2024	LBM Engineering, LLC 11 HALLY LANE COLCHESTER, CONNECTICUT 06415 TEL: (860)-416-9809 EMAIL: JOHN@LBMENGINEERING.COM	JOB NUMBER	PAGE NUMBER 4
CHECKED BY	DATE CHECKED		CLIENT NAME	TOTAL PAGES 8

CB11 STA 22+50 LT

$$\begin{array}{rcl}
 \text{PAVT } 100' \times 12 & = & 0.03 \Delta C \times 0.95 = \\
 \text{O'LAND} & = & 1.47 \times 0.20 = \\
 & \underline{1.50} &
 \end{array}$$

$$\begin{array}{r}
 A \times C \\
 0.029 \\
 0.294 \\
 \hline
 0.323
 \end{array}$$

$$\text{WEIGHTED } 0.323 / 1.50 = 0.215$$

PREPARED BY JRM	DATE PREPARED 6/2024	LBM Engineering, LLC 11 HALLY LANE COLCHESTER, CONNECTICUT 06415 TEL: (860)-416-9809 EMAIL: JOHN@LBMENGINEERING.COM	JOB NUMBER	PAGE NUMBER 5
CHECKED BY	DATE CHECKED		CLIENT NAME	TOTAL PAGES 8

CB1 STA 2+75, RT TF 595.03 FL 591.00 20'-15" HDPE 1%	CB7 STA 7+18 RT TF 602.7 FL 598.70 20'-15" 1%
CB2 STA 2+75, LT TF 595.03 FL 590.80 88'-15" HDPE 1%	CB8 STA 7+18 LT TF 602.7 FL 598.50 60'-15" 1%
CB6 STA 20+39 LT TF 597.1 FL 589.92 20'-15" HDPE 1%	CB9 STA 23+52 RT TF 602.5 FL 597.9 20'-15" 1%
CB5 STA 20+39 RT TF 597.1 FL 589.72 CB5 → CB4 44' @ 1%	CB10 STA 23+52 LT TF 602.5 FL 597.7 104'-15" 1%
CB3 STA 4+12, RT TF 597.10 FL 593.30 20'-15" HDPE S=0.01	CB11 STA 22+46 LT TF 601.2 FL 596.7 TO BASIN DW13 DW12 (IN BASIN) TF 590.0 FL (IN) 587.0
CB4 STA 4+12, LT TF 597.10 FL 593.10 (IS) 44'-15" HDPE FL 589.28 (W & NE) S=0.01	
INTO BASIN DW12 TF 590.0 FL (IN) 587.0 106'-15" HDPE S=2.15%	

PROJECT: 260 PERKINS STREET
 PROJECT NO.:
 CITY: BRISTOL
 ROUTE:
 LOCATION: N/A

DESIGNED BY: JRM DATE: 06/10/24
 CHECKED BY: REV:
 DATE:

GUTTER FLOW ANALYSIS - 25 YR STORM																
Inlet ID	Inlet Station and Offset	Area in Acres (A)	Runoff Coeff. (C)	Time to Inlet (min.)	Rainfall Intensity (in/hr)	AC	Total AC	Q to Inlet (cfs)	Grade of Gutter ft/ft (SL)	Cross Slope Of Shoulder ft/ft (Sx)	Depth of Flow of Gutter (ft)	Gutter Flow Width (ft)	Q Bypassing Inlet (cfs)	AC Bypassing Inlet	AC Entering Catch Basin	Inlet Type
KETTLE VILLAGE DRIVE RIGHT GUTTER																
CB 7	7+18,RT	0.220	0.818	10	6.05	0.180	0.180	1.089	0.020	0.045	0.178	3.952	0.147	0.024	0.156	"C"
CB 3	4+12,RT	0.850	0.297	10	6.05	0.252	0.277	1.674	0.020	0.045	0.209	4.644	0.357	0.059	0.218	"C"
CB 1	2+75,RT	0.190	0.632	10	6.05	0.120	0.179	1.083	LOW PT	0.045	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.179	"C"
KETTLE VILLAGE DRIVE LEFT GUTTER																
CB 8	7+18,LT	0.020	0.600	10	6.05	0.012	0.012	0.073	0.020	0.045	0.064	1.432	0.000	0.000	0.012	"C"
CB 4	4+12,LT	0.160	0.575	10	6.05	0.092	0.092	0.557	0.020	0.045	0.138	3.073	0.019	0.003	0.089	"C"
LYNNES WAY RIGHT GUTTER																
CB 9	23+52,RT	0.020	0.600	10	6.05	0.012	0.012	0.073	0.020	0.045	0.064	1.432	0.000	0.000	0.012	"C"
CB 5	20+39,RT	0.160	0.575	10	6.05	0.092	0.092	0.557	0.020	0.045	0.138	3.073	0.019	0.003	0.089	"C"
LYNNES WAY LEFT GUTTER																
CB 10	23+52,LT	0.360	0.472	10	6.05	0.170	0.170	1.028	0.020	0.045	0.174	3.868	0.129	0.021	0.149	"C"
CB 11	22+50,LT	1.500	0.215	10	6.05	0.323	0.344	2.080	0.020	0.045	0.227	5.037	0.528	0.087	0.257	"C"
CB 6	20+39,LT	0.450	0.300	10	6.05	0.135	0.222	1.344	0.020	0.045	0.192	4.277	0.232	0.038	0.184	"C"
CB 2	2+75,LT	0.190	0.632	10	6.05	0.120	0.165	0.997	LOW PT	0.045	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0.165	"C"
LOW POINT ANALYSIS																
INLET	Q TO INLET	PERIM.	C WEIR	d WEIR	WIDTH		WEIR COEF	C _{FS}								
CB 1	1.083	7.330	3.0	0.213	4.74		3.0	2								
CB 2	0.997	7.330	3.0	0.202	4.48											

STORM SEWER SYSTEM DESIGN DRAINAGE SYSTEM

Client:
Project: 260 PERKINS STREET BRISTOL
Proj. No.:
Return Period for Design: 25-YR

Prepared By: JRM
Checked By:
Date: 06/07/24 Revised:
Date:

Sheet No. 1 of 1

Line Segment From To		Time to Inlet (min.)	Time in Pipe (min.)	Accumul. Time (min.)	A x C Entering System	Sum of A x C in System	Rainfall Intensity, R (in./hr.)	Q in System (c.f.s.)	Pipe Data						
									Size (in.)	Length (ft.)	Slope (ft./ft.)	Avg. Vel. (f.p.s.)	Full Cap. (c.f.s.)	Headwater (ft.)	Manning "n"
CB 1 2+75.RT	CB 2 2+75.LT	10	0.11	10.0	0.179	0.179	6.1	1.09	15	20	0.010	3.0	6.99	0.50	0.012
CB 2 2+75.LT	CB 6 20+39.LT	10	0.37	10.1	0.165	0.344	6.1	2.10	15	88	0.010	4.0	6.99	0.80	0.012
CB 6 20+39.LT	CB 5 20+35.RT	10	0.06	10.5	0.184	0.528	6.1	3.22	15	20	0.010	5.5	6.99	1.00	0.012
CB 5 20+35.RT	CB 4 4+12.LT	10	0.13	10.5	0.089	0.617	6.1	3.76	15	44	0.010	5.5	6.99	1.00	0.012
CB 3 4+12.RT	CB 4 4+12.LT	10	0.11	10.7	0.218	0.218	6.1	1.33	15	20	0.010	3.0	6.99	0.50	0.012
CB 4 4+12.LT	OUT TO BASIN	10	0.33	10.7	0.089	0.924	6.1	5.64	15	100	0.010	5.0	6.99	1.20	0.012
CB 7 7+18.RT	CB 8 7+18.LT	10	0.11	10.0	0.156	0.156	6.1	0.95	15	20	0.010	3.0	6.99	0.50	0.012
CB 8 7+18.LT	CB 9 23+52.RT	10	0.33	10.1	0.012	0.168	6.1	1.02	15	60	0.010	3.0	6.99	0.50	0.012
CB 9 23+52.RT	CB 10 23+52.LT	10	0.11	10.4	0.012	0.180	6.1	1.10	15	20	0.010	3.0	6.99	0.50	0.012
CB 10 23+52.LT	CB 11 22+46.LT	10	0.39	10.6	0.149	0.329	6.1	2.01	15	104	0.010	4.5	6.99	0.70	0.012
CB 11 22+46.LT	OUT TO BASIN	10	0.36	10.6	0.257	0.509	6.1	3.10	15	120	0.037	5.5	13.45	1.20	0.012

Manning's "n" for, HDPE and RC pipe = 0.012

NOTE: ALL PIPES ARE BELOW FULL CAPACITY.

PREPARED BY JRM	DATE PREPARED 6/2024	LBM Engineering, LLC 11 HALLY LANE COLCHESTER, CONNECTICUT 06415 TEL: (860)-416-9809 EMAIL: JOHN@LBMENGINEERING.COM	JOB NUMBER	PAGE NUMBER 8
CHECKED BY	DATE CHECKED		CLIENT NAME	TOTAL PAGES 8

RUNOFF TO BASIN

INLET CB	PAVEMENT ACRES	OVERLAND ACRES
1	0.11	0.08
2	0.11	0.08
3	0.11	0.74
4	0.08	0.08
5	0.08	0.08
6	0.06	0.39
7	0.18	0.04
8	0.01	0.01
9	0.01	0.01
10	0.13	0.23
11	0.03	1.47
0.91 ACRES IMPERVIOUS		3.21 ACRES OVERLAND

The final element to be factored into the determination of runoff coefficients is the land slope. As the slope of the drainage basin increases, the selected C value should also increase. This is caused by the fact that as the slope of the drainage area increases, the velocity of overland and channel flow will increase allowing less opportunity for water to infiltrate the ground surface. Thus, more of the rainfall will become runoff from the drainage area.

In summary, it should be reiterated that in assigning a value to the runoff coefficient for use in the rational method, the engineer must rely heavily on experience and judgement.

Table 6-3 Recommended Coefficient Of Runoff For Pervious Surfaces By Selected Hydrologic Soil Groupings And Slope Ranges

<u>Slope</u>	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
Flat (0 - 1%)	0.04-0.09	0.07-0.12	0.11-0.16	0.15-0.20
Average (2 - 6%)	0.09-0.14	0.12-0.17	0.16-0.21	0.20-0.25
Steep (Over 6%) *	0.13-0.18	0.18-0.24	0.23-0.31	0.28-0.38
USE 0.20 DUE TO STEEP SLOPES				

Source: Storm Drainage Design Manual, Erie and Niagara Counties Regional Planning Board.

Table 6-4 Recommended Coefficient Of Runoff Values For Various Selected Land Uses

<u>Description of Area</u>	<u>Runoff Coefficients</u>
Business: Downtown areas	0.70-0.95
Neighborhood areas	0.50-0.70
Residential: Single-family areas	0.30-0.50
Multi units, detached	0.40-0.60
Multi units, attached	0.60-0.75
Suburban	0.25-0.40
Residential (0.5 ha (1.2 ac) lots or more)	0.30-0.45
Apartment dwelling areas	0.50-0.70
Industrial: Light areas	0.50-0.80
Heavy areas	0.60-0.90
Parks, cemeteries	0.10-0.25
Playgrounds	0.20-0.40
Railroad yard areas	0.20-0.40
Unimproved areas	0.10-0.30

SMALL DRAINAGE AREAS W/ OVERLAND
& PAVEMENT, MIXED - USE 10 MINUTE T_c

DURATION (min)	DURATION (hr)	RAINFALL INTENSITY (in/hr)					
		2 Yr	5 Yr	10 Yr	25 Yr	50 Yr	100 Yr
5	0.08	4.6	5.5	6.0	6.7	7.3	7.8
6	0.10	4.4	5.2	5.8	6.5	7.0	7.5
7	0.12	4.2	5.0	5.5	6.2	6.8	7.2
8	0.13	4.0	4.8	5.3	6.0	6.5	7.0
9	0.15	3.8	4.6	5.1	5.7	6.2	6.7
10	0.17	3.6	4.3	4.8	5.5	6.0	6.5
11	0.18	3.4	4.2	4.7	5.3	5.8	6.3
12	0.20	3.3	4.0	4.5	5.1	5.6	6.1
13	0.22	3.1	3.8	4.3	5.0	5.4	5.9
14	0.23	3.0	3.7	4.2	4.8	5.3	5.7
15	0.25	2.8	3.5	4.0	4.6	5.1	5.5
16	0.27	2.8	3.5	3.9	4.5	5.0	5.4
17	0.28	2.7	3.4	3.8	4.4	4.9	5.4
18	0.30	2.7	3.3	3.8	4.4	4.8	5.3
19	0.32	2.6	3.2	3.7	4.3	4.7	5.2
20	0.33	2.5	3.2	3.6	4.2	4.6	5.1
21	0.35	2.5	3.1	3.5	4.1	4.5	5.0
22	0.37	2.4	3.0	3.4	4.0	4.4	4.9
23	0.38	2.3	2.9	3.4	3.9	4.3	4.8
24	0.40	2.3	2.9	3.3	3.8	4.2	4.7
25	0.42	2.2	2.8	3.2	3.7	4.2	4.6
26	0.43	2.2	2.7	3.1	3.7	4.1	4.5
27	0.45	2.1	2.7	3.0	3.6	4.0	4.4
28	0.47	2.0	2.6	3.0	3.5	3.9	4.3
29	0.48	2.0	2.5	2.9	3.4	3.8	4.2
30	0.50	1.9	2.4	2.8	3.3	3.7	4.1

←
25 YR
MULTIPLY
by 1.1
6.05"/hr

Rainfall Intensity/Duration/Frequency Relationship for Connecticut (English Units)
Table B-2.1

A-2

CHART 36

15"

CRITICAL
CURVE

NORMAL DEPTH OF FLOW IN PIPE - FEET

FEET PER FOOT

SLOPE OF PIPE

DISCHARGE - Q - CFS $n = 0.18$

$n = 0.12$

$n = 0.24$

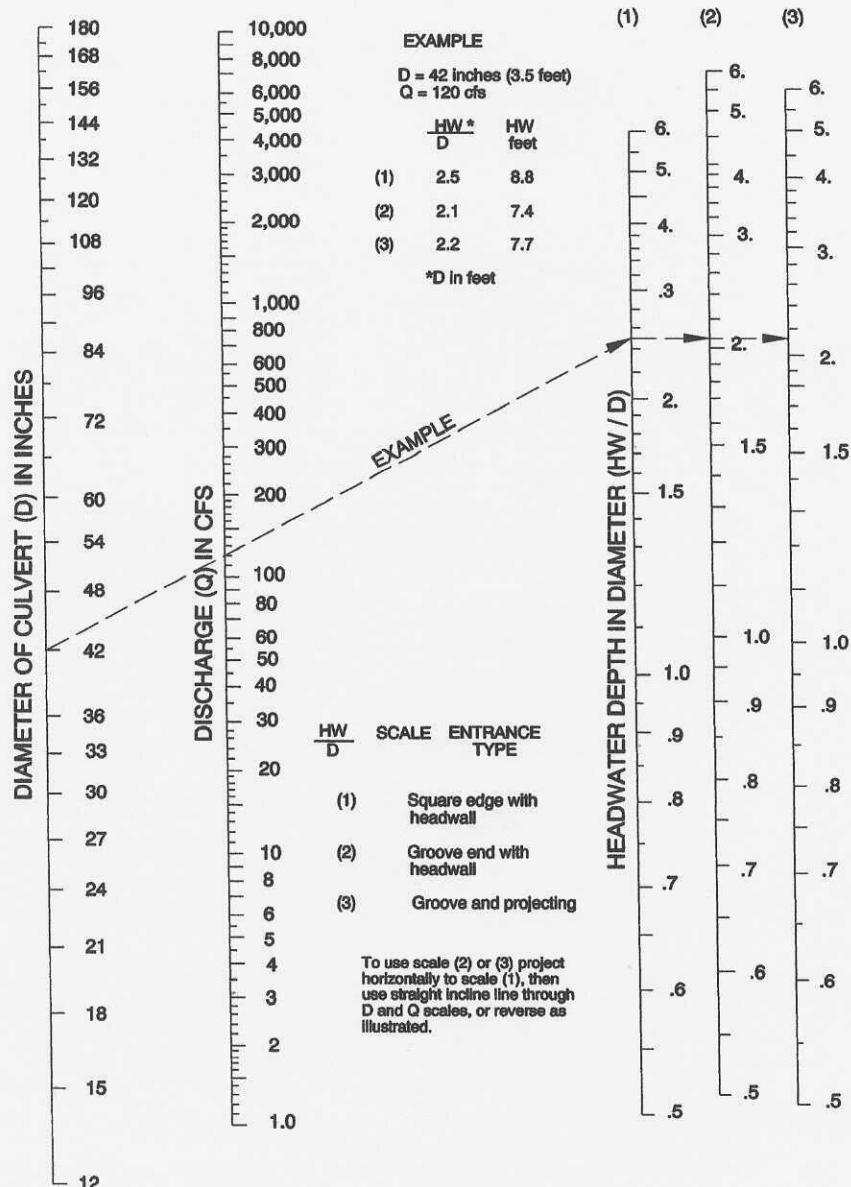
VELOCITY - V - FPS

$n = 0.12$

$n = 0.24$

PIPE FLOW CHART
15-INCH DIAMETER

CHART 1

HEADWATER DEPTH FOR
CONCRETE PIPE CULVERTS
WITH INLET CONTROL

**Stormwater Management Report
For Land Use Commissions Submittals
Bristol Village for P & B Properties, LLC,
#260 Perkins Street, Bristol, Connecticut**

June 17, 2024

EXISTING CONDITIONS: Reference is made to the following Plan Set: "Bristol Village, Open Space Development #260 Perkin Street Prepared for P & B Properties LLC, Bristol, Connecticut" Scales as Shown, Date: 6-17-2024, By Clark Land Surveying, LLC, Bristol, Connecticut. The property is located on the east side of Perkins Street approximately one-half mile south of the intersection of Pinehurst Road and Perkins Street. The property is wooded. The property drains to the east and west.

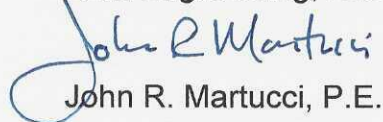
STORMWATER MANAGEMENT: The Rational Method was used to calculate the peak rate of stormwater runoff. The roadway drainage system was designed in accordance with the State of Connecticut Department of Transportation Drainage Manual.

The subsoil throughout the property consists of sands and gravels classified as: Hydrologic Soil Group: A, excessively drained, with no evidence of seasonally high ground water. The soil conditions are excellent for infiltrating storm water. Therefore, each of the proposed homes will have an infiltration area, sized to hold and infiltrate the roof runoff.

The drainage system of catch basins and culverts directs stormwater runoff from roads and bordering vegetated surfaces to a large infiltration basin that will reduce runoff from the property to nearly zero. This proposal will not increase the peak rate of runoff from the property, nor will it increase the potential for downstream flooding.

CONCLUSION: The proposed development meets the requirements of the Connecticut D.E.E.P. 2024 Connecticut Stormwater Quality Manual and will not have adverse effects on down-gradient properties. This proposal will not increase the peak rate of runoff from the property and is in keeping with the policies and goals of the Bristol Planning and Zoning Commission.

Submitted by:
LBM Engineering, LLC


John R. Martucci, P.E.



Stormwater Management Plan
Bristol Village
#260 Perkins Street, Bristol CT 06010

Stormwater Management Plan

Facility Name: **Bristol Village, #260 Perkins Street, Bristol, CT 06010**

The Stormwater Management Plan (The Plan) is in accordance with 2024 Connecticut Stormwater Quality Manual and Connecticut Department of Energy and Environmental Protection Guidelines.

This completed Stormwater Management Plan shall be kept on file by the property owner (Owner) as part of the maintenance operation of this facility. This Plan shall be made available to state / municipal inspectors upon request.

Pollution Prevention Team: The Owner will be responsible for implementing the Plan. The Owner will designate a person(s) responsible for site inspection, maintenance of records and be familiar with all drainage structures and their intended function.

This list will be updated as necessary.

Responsible Person: _____

Phone Number: _____

Responsibilities: Coordinate all aspects of the Plan, conduct inspections per the Inspection Schedule, conduct comprehensive Annual Stormwater Evaluation and Inspection, keep records.

The following tables shall be completed after each inspection.

A. Sweeping Schedule:

All roadways, sidewalks and driveways shall be swept clean of sand, litter and other possible pollutants at least twice a year, Spring (During April after snow melt) and Late Fall (Between November 15 and December 15, after leaf fall) and at other times as may be necessary.

Date	Company / Area Swept	Comments / Action to be Taken / To be Completed by Date

B. Drainage Inspection:

The catch basins in the roads shall be cleaned once a year after the Spring (April) sweeping has been completed as noted in Section A above and at other times as necessary. The drywells shall be inspected at the same times. Any debris shall be removed from the drywells.

Date	Company / Structure	Comments / Action to be Taken / To be Completed by Date

C. Erosion Inspection:

Lawn and landscaping ground cover prevent soil erosion. Lawn, landscaping and flowerbeds, including downspouts from roof gutters shall be inspected monthly from April to December. Dead plants shall be replaced. Bare soil shall be replanted.

Date	Area Inspected	Comments / Action to be Taken / To be Completed by Date



City of Bristol
DEPARTMENT OF PUBLIC WORKS
BRISTOL, CONNECTICUT 06010

Inland Wetlands
Environmental Protection Technician
Monthly Report

June 25, 2024

Approved Applications Inspections

No.	Location	Description	Inspection Dates	Status
#1593	Cedar Hill Lots 12-42	Open space subdivision - Residential building lots (Exp. 20270519)	6/6, 6/13, 6/20	Act
#1567	Allentown Road (Wood shire)	Wetland crossing with residential community (Exp. 20260919)	6/6, 6/13, 6/20	Inact
#1819	Allentown Road (Saddlebrook)	Grading and water lateral installation (Exp. 20270417)	6/6, 6/13, 6/20	Inact
#1827	894 Middle Street	Environmental remediation (Exp. 20270717)	6/5, 6/12, 6/19	Inact
#1868	Lot 21 Waterbury Road	Maintenance to existing haul road (Exp. 20240610)	6/6, 6/13, 6/20	EXPIRED
#1878	134 Terryville Road	Regrade and establish parking area (20241002)	6/6, 6/13, 6/20	Inact
#1883	40 Janice Lane	Construct of 2 car garage (20240904)	6/6, 6/13, 6/20	Inact
#1889	35 Kory Lane	Remove and replace existing dock (20241106)	6/6, 6/13, 6/20	Inact
#1890	20 Beechwood Street	Construct addition, pool, and infiltration system (20250205)	6/6, 6/13, 6/20	Inact
#1891	Barnum Road	Clean detention ponds and existing debris piles (20250205)	6/5, 6/12, 6/19	Inact
#1893	150 Century Drive	Construct drainage area and parking (20250304)	6/5, 6/12, 6/19	Inact
#1894	315 Shrub Road	Reconstruct road for earth removal (20250304)	6/5, 6/12, 6/19	Inact

No.	Location	Description	Inspection Dates	Status
#1896	50 Terryville Avenue	Construct Gas Station (20250506)	6/6, 6/13, 6/20	Act
#1897	7 Royal Drive	Install shed, basketball court, above ground pool (20251007)	6/5, 6/12, 6/19	Inact
#1898	132 Marcia Drive	Grade, install patio, and fence (20250506)	6/5, 6/12, 6/19	Inact
#1901	105 Maxine Drive	Install pipe, fence, and bridge (20250902)	6/5, 6/12, 6/19	Inact
#1902	44 Nelson Farm Road	Addition 22x12 w/ Bioswale (20250805)	6/5, 6/12, 6/19	Inact
#1903	16 Great Pyrenees Way	Construct in ground pool (20250805)	6/5, 6/12, 6/19	Inact
#1904	Huntington Woods	Replace 60" CMP with HDPE (20250805)	6/6, 6/13, 6/20	Inact
#1907	115 Lakewood Circle	Construct 20x40 addition (20251007)	6/6, 6/13, 6/20	Inact
#1908	351 Minor Street	Construct Oil/Propane facility (20251202)	6/6, 6/13, 6/20	Act
#1909	21 Sonstrom Road	Construct Garage (20251202)	6/5, 6/12, 6/19	Inact
#1915	505-545 Redstone Hill Road	18 Lot Subdivision (20260505)	6/5, 6/12, 6/19	Inact
#1919	258 Brook Street	Demo existing garage, replace with 3 car garage (20260407)	6/5, 6/12, 6/19	Inact
#1922	71 Horizon Drive	Parking lot construction. Modification of #1848 (20260505)	6/5, 6/12, 6/19	Inact
#1925	66 Vermont Avenue	Removal of smaller trees and grading (20260505)	6/5, 6/12, 6/19	Inact
#1933	Lot 2 Business Park Drive	Filling & grading for parking area to new building (20260707)	6/5, 6/12, 6/19	Act
#1934	Glenn Street	Harding a section to allow passage of woodland machinery (20260707)	6/5, 6/12, 6/19	Inact
#1936	52 Shelia Court	Construct 20 new spaces with related storm water management (20260707)	6/5, 6/12, 6/19	Inact
#1937	Lot 18 Donovan Court	Construct new house (20260901)	6/6, 6/13, 6/20	Inact

No.	Location	Description	Inspection Dates	Status
#1945	Lake Avenue Bridge 017005	Bridge replacement (20261006)	6/5, 6/12, 6/19	Inact
#1946	175 Century Drive	28,875 SF addition to existing facility (20261006)	6/5, 6/12, 6/19	Inact
#1949	23 Columbus Avenue	Install in-ground pool (20261103)	6/5, 6/12, 6/19	Inact
#1950	801 Burlington Avenue	Construct single family home (20261103)	6/5, 6/12, 6/19	Inact
#1951	Lot 7B 1-2 Marsh	Construct single family home (20261103)	6/6, 6/13, 6/20	Act
#1966	183 Foxden Road	Extend sanitary sewer to service two lots (20270202)	6/5, 6/12, 6/19	Act
#1968	175 Shrub Road	One mile Hiking Trail elevated boardwalks (20270202)	6/5, 6/12, 6/19	Act
#1970	16 Andrews Street	paved parking lot and area of grading (20270406)	6/5, 6/12, 6/19	Inact
#1972	34 Climbing Street	New deck and in-ground swimming pool (20270406)	6/5, 6/12, 6/19	Act
#1974	Memorial Blvd	Removal of tennis courts and planting of a new urban garden(20270406)	6/5, 6/12, 6/19	Inact
#1977	Wolcott Street	installation of temporary bypass pipe in culvert for repairs (20270406)	6/6, 6/13, 6/20	Inact
#1983	243 Jacobs Street	Regrade River at Rockwell Park (20270801)	6/6, 6/13, 6/20	Inact
#1984	Jerome Ave Bridge	Replace Pedestrian Bridge (20270711)	6/5, 6/12, 6/19	Act
#1986	85 Buckley Ave	Construct Garage Addition (20270711)	6/5, 6/12, 6/19	Inact
#1988	Lot# 7-1 Terryville Road	Commercial Building (20270801)	6/6, 6/13, 6/20	Act
#1989	177 Corbin Ridge	Retaining Wall, Above Ground Pool, And Deck (20270711)	6/6, 6/13, 6/20	Inact
#1990	29 Woodside Way	Inground Pool (20270711)	6/5, 6/12, 6/19	Inact
#1991	62 Litchfield Lane	Inground Pool (20270711)	6/5, 6/12, 6/19	Inact
#1993	21 Royal Drive	Grading and Drainage in Rear Yard (20270801)	6/6, 6/13, 6/20	Inact
#1998	76 Mountain View Ave	Inground Pool (20270912)	6/5, 6/12, 6/19	Inact

No.	Location	Description	Inspection Dates	Status
#2000	Shrub Rd/ Jerome Ave	Sidewalk Improvement, and pedestrian Bridge (20280109)	6/5, 6/12, 6/19	Inact
#2002	1261 & 1265 Farmington Ave	Construct Medical Office, Restaurant, and Car Wash (20280109)	6/5, 6/12, 6/19	Act
#2003	50 Terryville Rd	Pond Maintenance (20280109)	6/6, 6/13, 6/20	Act
#2004	Mellen Street Bridge	Bridge replacement (20280206)	6/5, 6/12, 6/19	Inact
#2005	71 Minnesota Lane	Construct a 20x30 Garage (20280306)	6/5, 6/12, 6/19	Inact
#2007	109 Moody Street	Construction Of A Plate Arch Spanning The Watercourse (20280501)	6/5, 6/12, 6/19	Inact
#2008	205 Pennwood Place	Install 20x40 Inground Pool (20280501)	6/5, 6/12, 6/19	Inact
#2010	Clark Ave Lot 271-1A	Mixed use development (20280710)	6/6, 6/13, 6/20	Inact
#2012	812 Redstone Hill Road	New In-Ground Pool (20280710)	6/5, 6/12, 6/19	Inact
#2013	54 Merrill Court	Repair of Septic System (20280710)	6/6, 6/13, 6/20	Inact
#2015	Page Park	Park Renovations and Improvements (20281205)	6/5, 6/12, 6/19	Inact
#2016	Downs Street Bridge	Replacement of Bridge (20281205)	6/5, 6/12, 6/19	Inact

SPECIAL INSPECTION:

Lot 13-1 Waterbury Road- 20220417 - During a drive by of the property, it was discovered that clearing of trees was being done in a regulated area, EPT called the current property owner and set up a meeting. 20220418 - EPT met with the property owners and explained that their property was in a regulated area, P/O agreed to install temporary silt fence at the bottom of the slope, and then immediately stop all work until they obtain a wetlands permit- **Pending**

31 Butternut Lane- 20240614- A site inspection was conducted due to complaints of illegal dumping into the City street, upon inspection it was discovered that grass, and other debris was being illegally dumped into the city street.- **Notice.** 20240618- EPT spoke with P/O, P/O said that he is not the one dumping in front of 31 Butternut Lane, he also stated that it is other property owners in the area, and they use the spot as a yard waste dump. EPT sent letters to the surrounding neighborhood asking them to no longer dump at the end of the street. City of Bristol streets department will clean the existing yard waste, and continue to monitor the situation.- **Complete.**

C. O. INSPECTIONS:

26 Field Rock Road

90 Gino Drive

NOTICE AND NOTICE OF VIOLATION LETTERS:



Department of Public Works | 860.584.6125

June 14, 2024

Bryan + Angela Metzger
31 Butternut Lane
Bristol Connecticut, 06010

Re: NOTICE – Dumping Grass And Debris Into City Street– 31 Butternut Lane Bristol, CT 06010

After responding to a complaint and conducting a field investigation on June 14, 2024 concerning debris from the above-mentioned property entering the city street, it was discovered that grass clippings, and sticks from the property are being intentionally dumped into the city street. This is hazardous for vehicles and pedestrians travelling the sidewalks and roadway and violates Bristol Code of Ordinances-City of Bristol – Code of Ordinances: Sec. 21-6 – *Unlawful Deposits (a) No waste paper , old clothing, bedding, ashes, dirt...shall be thrown or placed on any street within the city limits. (b) No person shall throw, cast or lay, or negligently permit to fall upon the highways of this city...or other substance injurious to the traffic of such highways, or rendering such highways unsightly...* Our records indicate that you own this property.

You are required to take the following actions and repairs:

- Immediately remove the grass clippings and stick from the City Street, and dispose of them properly
- Immediately cease dumping any grass, and debris into the City Street

Please contact the Engineering Department with a remedial plan of action and conduct restoration before **June 28, 2024**. The failure to comply with the above request will subject you to further regulatory action, including but not limited to, legal fines and/or penalties by the City.

To arrange a time to meet and review progress on the restoration, please contact us at (860) 584-6115.

Sincerely,

Zachary Norton

Environmental Protection Technician

cc: Inland Wetlands Commission
City Engineer

City of Bristol
111 North Main Street
Bristol, CT 06010
www.bristolct.gov



Department of Public Works | 860.584.6125

June 18, 2024

Kathryn Hassell
50 Butternut Lane
Bristol CT, 06010

Re: Dumping Grass And Debris Into City Street

After responding to a complaint and conducting a field investigation on June 14, 2024 concerning debris entering the city street, it was discovered that grass clippings, and sticks are being intentionally dumped into the city street. This is hazardous for vehicles and pedestrians travelling the sidewalks and roadway and violates Bristol Code of Ordinances-City of Bristol – Code of Ordinances: Sec. 21-6 – *Unlawful Deposits* (a) *No waste paper , old clothing, bedding, ashes, dirt...shall be thrown or placed on any street within the city limits.* (b) *No person shall throw, cast or lay, or negligently permit to fall upon the highways of this city...or other substance injurious to the traffic of such highways, or rendering such highways unsightly...* I am sending out this letter to the surrounding area to ask that anyone who may be using the dead end of Butternut Lane to dump grass clippings, and other yard waste to please immediately stop illegally dumping. Your help keeping the city street clear of any potentially dangerous and unsightly debris is greatly appreciated.

If you have any questions or concerns regarding this matter, please feel free contact me at (860) 584-6115.

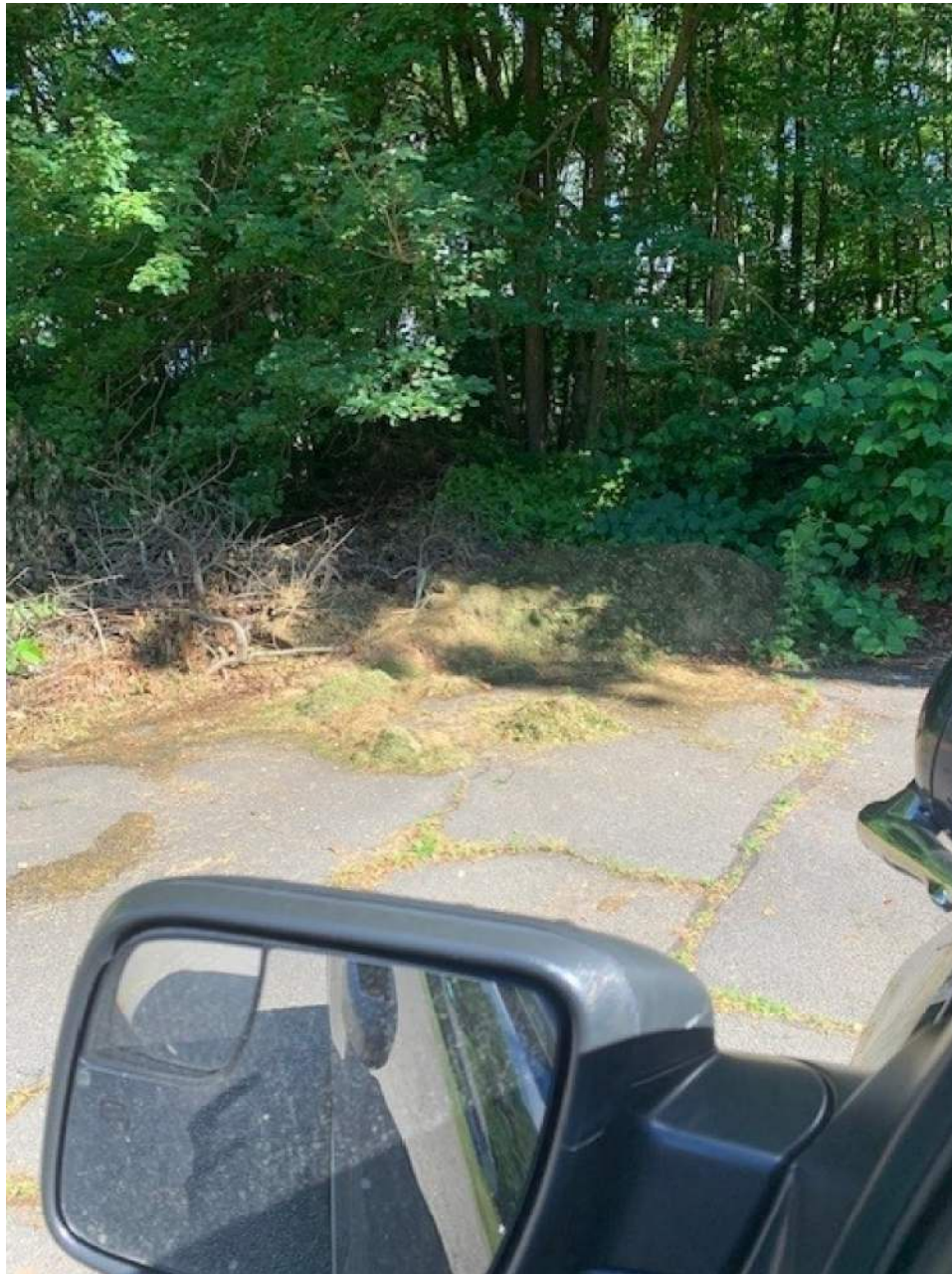
Sincerely,

Zachary Norton

Environmental Protection Technician

cc: Inland Wetlands Commission
City Engineer

City of Bristol
111 North Main Street
Bristol, CT 06010
www.bristolct.gov





City of Bristol
Office of Town and City Clerk
111 North Main Street
Bristol, Connecticut 06010
(860)584-6200 ext. 0

June 12, 2024

Laura Mastrobattisto Valentino
81 Empire Way
Bristol, CT 06010

Dear Ms. Valentino:

This is to officially notify you that at a meeting of the City Council on June 11, 2024 you were appointed as an alternate member to the Inland Wetlands Commission for a term to January, 2027.

It is necessary to take your oath of office when you are appointed. Would you kindly stop at the Town Clerk's Office to take your oath. **Enclosed is the Conflict of Interest Acknowledgement form that must be filled out** and handed in at the time of your oath.

I have enclosed copies of Section 2-9 of the Bristol Code of Ordinances regarding attendance at meetings, a listing of members, a calendar of meetings and a copy of the Ethics Ordinance. You should read the Ethics Ordinance carefully since it pertains to board members.

Should your address or political affiliation change, or you resign from this appointment, you must notify the Town Clerk's Office.

Very truly yours,

A handwritten signature in black ink that reads "Erica Cabiya".

Erica L.N. Cabiya, CCTC
Town and City Clerk

EC/jb

Enclosures

cc: Robert Flanagan

[View this email in your browser](#)



Connecticut Association of Conservation and Inland Wetlands Commissions, Inc

deKoven House Community Center
27 Washington Street
Middletown, CT 06457
www.caciwc.org

Join CACIWC In Celebrating our 50th Anniversary!

Greetings members and friends of CACIWC ,

This is a special year for us and our members, as 2024 marks the **50th Anniversary of CACIWC**. Additional details on our anniversary celebration are included in the most recent issue of our publication, *The Habitat*, which is also celebrating its 50th Anniversary this year.

If you have not yet seen it, please enjoy the **latest issue of *The Habitat***, located on our website. You can download this full color issue with active web links within the articles and with all ads (just click on the link or ad), at:

[Habitat V36 N1 2024 Spring.pdf \(caciwc.org\)](#)

A major part of our celebration will be our **2024 Annual Meeting & Environmental Conference**, which is scheduled for **Saturday, November 16, 2024**. We are very pleased to announce that we are returning to the *Bristol Event Center* for this special 50th anniversary celebration conference.

We have already recruited a broad-based keynote speaker panel to discuss progress in conservation and environmental protection including retired Judge Marshall Berger, Jr., State Representative Mary Mushinsky, and Director of the Connecticut Agriculture Experiment Station, Jason White, PhD. These

Additional conference information including workshop details will be posted on our website, at www.caciwc.org

Please note that our 2024-25 **CACIWC membership renewal fees are now due**. The CACIWC Board of Directors has again decided *not* to raise membership dues for this July 1, 2024-June 30, 2025, fiscal year and we thank all the commissions who have already renewed their membership!

CACIWC membership provides commissioners and staff with a substantial discount on the registration fees for our annual conference, mid-year training, as well as inclusion in special member Listserv mailings. The renewal of your membership dues will help us fund our upcoming 2024 Annual Meeting and Environmental Conference and future issues of *The Habitat*.

Two methods are available for you or your commission to renew your membership:

1) You can renew your membership using the online form and pay by credit card, debit card, PayPal account or mail your check to our office. This form is located on our website, at: [CACIWC Membership Form 2024-25 \(wufoo.com\)](http://www.caciwc.org/wufoo.com)

2) You may also renew your CACIWC membership the traditional way by completing and mailing the printed form to our office along with your check.

This form is also located on our website at: [CACIWC Dues Renewal 2024-25](http://www.caciwc.org)

Please be certain to provide us with your updated contact information on the membership renewal forms.

Thank you for all your efforts in the protection of Connecticut's important habitats. We look forward to supporting all our returning CACIWC members and seeing you at our 2024 Annual Meeting and Environmental Conference!

Alan J. Siniscalchi, President

Connecticut Association of Conservation and Inland Wetlands Commissions,
Inc. (CACIWC)

www.caciwc.org