



TOWN OF CROMWELL
INLAND WETLANDS AND WATERCOURSES AGENCY
41 WEST STREET, CROMWELL, CT 06416

RECEIVED FOR RECORD
Jan 02, 2020 12:52P
JoAnn Boyle
TOWN CLERK
CROMWELL, CT *Jc*

SPECIAL MEETING
7:00 THURSDAY, JANUARY 9, 2020
ROOM 224
CROMWELL TOWN HALL, 41 WEST STREET

AGENDA

1. Call to Order
2. Roll Call
3. Seating of Alternates:
4. Approval of Agenda:
5. Approval of Minutes:
 - a. December 4, 2019
6. Development Compliance Officer Report:
 - a. Status of On-going Project and Existing Cease and Desist Orders
7. Town Planner Report:
8. Public Comments:
9. New Business:
10. Public Hearings:

a. Application #19-09: Request to conduct regulated activities (filling and grading) within the Inland Wetlands and Upland Review Area at 100 County Line Drive. The Town of Cromwell is the Applicant and the Owner.

b. Application #19-10: Request to conduct regulated activities (repair of Bridge No. 05224) within the Inland Wetlands and Upland Review Area adjacent to the bridge on Pasco Hill Road. The Town of Cromwell is the Applicants and the Towns of Berlin and Cromwell are the Owners.

11. Commissioners' Comments and Reports:
12. Adjourn

TOWN OF CROMWELL
INLAND WETLANDS AND WATERCOURSES AGENCY
REGULAR MEETING
7:00 WEDNESDAY, DECEMBER 4, 2019
ROOM 224
CROMWELL TOWN HALL, 41 WEST STREET

MINUTES

Present: Chairman Joesph Corlis, William Yeske, John Whitney, and G. Alden Nettleton, and Wynn Muller.

Absent: None

Also Present: Director of Planning and Development Stuart Popper, Development Compliance Officer Bruce Driska.

1. Call to Order

The meeting was called to order by Chairman Corlis at 7:05 PM.

2. Roll Call

The presence of the above members was noted.

RECEIVED FOR RECORD
Dec 13, 2019 11:08A
JoAnn Doyle
TOWN CLERK
CROMWELL, CT

3. Seating of Alternates:

None.

4. Approval of Agenda:

Mr. Popper requested Application #18-10 be added to the Agenda. John Whitney made the motion to approve the agenda; Seconded by Alden Nettleton. *All in favor; motion passed.*

5. Approval of Minutes:

a. October 2, 2019- John Whitney motion to approve the minutes that were presented; Seconded by William Yeske. *Wynn Muller abstained, all others in favor; motion passed.*

6. Development Compliance Officer Report:

Bruce Driska, Development Compliance Officer, offered an update on several projects and answered questions regarding current construction at Covenant Village.

7. Town Planner Report:

Mr. Popper shared an update on the status of development at the new Marriot Springhill Suites Hotel.

8. Public Comments: No public comments were made.

9. **New Business:**

- a. 2020 Calendar: John Whitney made the motion to approve the 2020 Meeting Calendar as presented; Seconded by William Yeske. *All in favor; motion passed.*
- b. Application #19-09; Request to conduct regulated activities (filling and grading) within the Inland Wetlands and Upland Review Area at 100 County Line Drive. The Town of Cromwell is the Applicant and Owner.

Jon Harriman, P.E., Town Engineer, made a presentation describing the proposed work and area to be filled.

Wynn Muller made a motion finding Application #19-09 to present significant activity and to schedule a Public Hearing on 01/08/2020; Seconded by John Whitney. *All in favor; motion passed.*

- c. Application # 19-10; Request to conduct regulated activities (repair bridge) within the Inland Wetlands at Pasco Hill Road. The Town of Berlin is the Applicant and the Towns of Berlin and Cromwell are the Owners.

Mr. Popper described the proposed activity associated with Application #19-10.

John Whiney made a motion finding Application #19-09 to present significant activity and to schedule a Public Hearing on 01/08/2020; Seconded by Wynn Muller. *All in favor; motion passed.*

- d. Application#18-10; Request by ARCADIS U.S., Inc. to modify previous approval at 79 River Road. River Road of Cromwell LLC is the Owner, ARCADIS U.S., Inc. is the Applicant.

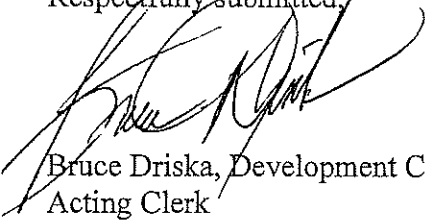
Lance Kazzi and Lauren Vogel of ARCADIS U.S., Inc. stated that while conducting remediation of contaminated soils within 200' of the Connecticut River an abandoned 6" metal fuel pipe was discovered. Mr. Kazzi and Ms. Vogel stressed the importance of removing the pipe, evacuating the surrounding area and replacing soils for an effective remediation of the area.

John Whitney made a motion to approve a modification to Application #18-10; Seconded by William Yeske. *All in favor; motion passed.*

- 10. **Commissioner Comments:** Alden Nettleton announced his resignation from the Inland Wetlands and Watercourse Agency. Mr. Nettleton was thanked and recognized for his service by others present.

11. **Adjourn:** Alden Nettleton made a motion to adjourn the meeting. *All in favor; motion passed.*
Meeting adjourned at 7:37 p.m.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Bruce Driska", written over the typed name.

Bruce Driska, Development Compliance Officer
Acting Clerk

		Inland Wetland Permits 2019				Description of Request		Status	
App/#	Date	Applicant	Project Name	Location					
19-01	4/3/2019	Town of Cromwell	Relocation of transfer station within upland review area	100 County Line Dr.			Relocation of transfer station within upland review area		Construction in progress
19-02	4/15/2019	Victor Candeias	Place shed within upland review	7 Old Colony Lane			Place shed within upland review		Approved by staff 4/15/2019
19-03	4/26/2019	Janine Allard	Deck for pool on south side of pool	95 South Street			Deck for pool on south side of pool		Approved 5/1/2019
19-04	4/26/2019	Blake Lewis	Trench to allow drainage from upgrade down to pond	16 Shadow Lane			Trench to allow drainage from upgrade down to pond		Construction in progress
19-05	7/10/2019	Town of Cromwell	Build facility within upland review area	100 County Line Drive			Build facility within upland review area		Approved 7/24/2019
19-06	7/10/2019	Town of Cromwell	Cromwell Landing Project within 200' of CT River	80 River Road			Cromwell Land Project within 200' of CT River		Approved 7/24/2019
19-07	7/15/2019	Daniel Seabra	Construct above ground pool within the upland review area	5 Fawn Run			Construct above ground pool within the upland review area		Approved by staff 7/17/2019
19-08	7/28/2019	Town of Cromwell	Permanent wetland disturbance to install temp. cofferdam & install new structure & wingwalls.	57 Coles Rd., 59 Coles Rd. 10 North Rd. Ext. & North Rd. Ext. at Coles Brook			Permanent wetland disturbance to install temp. cofferdam & install new structure & wingwalls		Approved 9/4/2019

TOWN OF CROMWELL
INLAND WETLANDS AND WATERCOURSES AGENCY
SPECIAL MEETING AND PUBLIC HEARING

The Cromwell Inland Wetlands and Watercourses Agency will hold a Special Meeting and a Public Hearing on Thursday, January 9, 2020 at 7:00 pm in Room 224 of the Cromwell Town Hall at 41 West Street on the following items:

1. Application #19-09: Request to conduct regulated activities (filling and grading) within the Inland Wetlands and Upland Review Area at 100 County Line Drive. The Town of Cromwell is the Applicant and the Owner.
2. Application #19-10: Request to conduct regulated activities (repair of Bridge No. 05224) within the Inland Wetlands and Upland Review Area adjacent to the bridge on Pasco Hill Road. The Town of Cromwell is the Applicants and the Towns of Berlin and Cromwell are the Owners.


Joseph Corlis
Chairman

Dated in Cromwell, Connecticut this 17th day of December 2019

Application # 19-09

TOWN OF CROMWELL
INLAND WETLANDS AND WATERCOURSES AGENCY

APPLICATION TO CONDUCT REGULATED ACTIVITY

Street Address: <u>100 Countyline Drive</u>	Map/Block/Lot: <u>26-12A</u> Volume/Page: <u>106-281</u>
Applicant: <u>Town of Cromwell</u> Address: <u>41 West St</u>	Owner: <u>Town of Cromwell</u> Address: <u>41 West Street</u>
Phone: <u>860 632 3465</u>	I hereby consent to the Applicant acting as my agent for the purpose of this application. I hereby permit the members and agents of the Agency to inspect the subject land both before and after a final decision has been issued. Signature: 
Parcel ID #: <u>00114100</u>	

Reason for the Proposed Wetland or Upland Review Area Disturbance (not a description of the project, but an explanation of why this disturbance is necessary to complete the project):

This work will allow the Town to utilize this irregularly shaped parcel in support of Department of Public Works operations.


Area of Wetland Impacted by this Project (in square feet or acres):	<u>0.10 acres</u>
Area of Upland Review Area Impacted by this Project (in square feet or acres):	<u>0.47 acres</u>

Application # 19-09

Description of Alternative Methods Considered, and Justification for Method Chosen:
<i>This area of wetlands is already impacted, other areas are higher quality and would benefit from not being disturbed. The configuration of the lot makes this area of activity essential without any alternative.</i>

Certification of Notice to Neighboring Municipalities	
Is any portion of the wetland or watercourse impacted by this application within 500' of Rocky Hill, Berlin, or Middletown?	Yes / <input checked="" type="radio"/> No Not Applicable
Has a copy of this application been sent to the Rocky Hill, Berlin, or Middletown municipal Inland Wetlands and Watercourses Agency?	Yes / <input checked="" type="radio"/> No Not Applicable
Has a copy of the plans been sent to the Rocky Hill, Berlin, or Middletown municipal Inland Wetlands and Watercourses Agency?	Yes / <input checked="" type="radio"/> No Not Applicable

I, the undersigned, hereby certify that the information presented as part of this application is to the best of my knowledge, true and accurate and that should such information be proved to be inaccurate or misleading, any permit issued on the basis of this information may be revoked.


Applicant's Signature

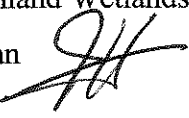
11/25/19
Date of Submission

Jon Harriman
Printed Name

The Cromwell Inland Wetlands and Watercourses Agency has detailed environmental information on many of the wetland areas in town. The applicant is strongly encouraged to request a copy of this information.

**Engineering Department
Town of Cromwell
Cromwell, CT**

Memorandum

To: Stuart Popper _ Town Planner
cc: Cromwell Inland Wetlands Commission members
From: Jon Harriman 
Date: 11/25/2019
Re: Proposed filling activity – 100 County Line Drive

I offer this narrative in support of the proposed filling activity to be conducted by the Town of Cromwell at 100 County Line Drive (site of the new Public Works/WPCA garage and transfer station.)

Late last year the Inland Wetlands Commission granted permits to construct the relocated transfer station, new highway garage and to utilize a southern portion of the property to locate materials (fill, topsoil, etc). The Town of Cromwell completed the relocation of the transfer station, and the new highway garage facility is now underway. As a result of the activity, a surplus of fill estimated to be between 7,000 to 8,000 cubic yards of material has been relocated to the southerly area of the property. This mound of material stands 30-40 feet high and entirely covers the usable dry land area. Any surplus material generated during the construction of the new highway garage will also likely need to be stored here. Without relief, the Town will lack an area to store and manage materials for future projects

In between this new fill pile and the highway garage under construction is a low-lying valley separating the two uses. Within this valley is a finger of wetlands that previously received runoff from the fields tilled by Gardner to west. With the construction of the 400,000 square foot warehouse where there used to be agricultural fields, runoff is no longer directed to this wetland. Runoff is now routed through a series of catch basins and water quality ponds prior to discharge to the wetlands to the south of this area. The area of wetlands we propose filling has been impacted in the past by dumping of metal drums, a 5,000-gallon fuel tank and other debris. We propose removing this junk and then filling the wetlands and valley to level the site and improve its use potential for the Town.

Filling the valley between the two uses will allow the Town to eliminate the large fill pile, and be better able to use the site for Public Works operations in the future.

Application # 19-10

TOWN OF CROMWELL
INLAND WETLANDS AND WATERCOURSES AGENCY

APPLICATION TO CONDUCT REGULATED ACTIVITY

Street Address: <u>Berlin Street over Mattabesset River</u>	Map/Block/Lot:
	Volume/Page:
Applicant: <u>Town of Cromwell</u>	Owner: <u>Town of Cromwell</u>
Address: <u>41 West St - Cromwell, CT 06416</u>	Address:
Phone: <u>(860) 632-3431</u>	<i>I hereby consent to the Applicant acting as my agent for the purpose of this application. I hereby permit the members and agents of the Agency to inspect the subject land both before and after a final decision has been issued.</i>
Parcel ID #:	

Reason for the Proposed Wetland or Upland Review Area Disturbance (not a description of the project, but an explanation of why this disturbance is necessary to complete the project):
<u>Rehabilitation of Bridge No. 05224, description is attached.</u>

Area of Wetland Impacted by this Project (in square feet or acres): <u>585 sq ft.</u>
Area of Upland Review Area Impacted by this Project (in square feet or acres): <u>None</u>

Application # _____

Description of Alternative Methods Considered, and Justification for Method Chosen:
Description attached.

Certification of Notice to Neighboring Municipalities	
Is any portion of the wetland or watercourse impacted by this application within 500' of Rocky Hill, Berlin, or Middletown?	<input checked="" type="radio"/> Yes / No Not Applicable
Has a copy of this application been sent to the Rocky Hill, Berlin, or Middletown municipal Inland Wetlands and Watercourses Agency?	<input checked="" type="radio"/> Yes / No Not Applicable
Has a copy of the plans been sent to the Rocky Hill, Berlin, or Middletown municipal Inland Wetlands and Watercourses Agency?	<input checked="" type="radio"/> Yes / No Not Applicable

I, the undersigned, hereby certify that the information presented as part of this application is to the best of my knowledge, true and accurate and that should such information be proved to be inaccurate or misleading, any permit issued on the basis of this information may be revoked.

Applicant's Signature

Date of Submission

Printed Name *Town of Cromwell.*

The Cromwell Inland Wetlands and Watercourses Agency has detailed environmental information on many of the wetland areas in town. The applicant is strongly encouraged to request a copy of this information.

Bridge No. 05224 carrying Berlin Street over the Mattabeset River consists of a single span, precast prestressed concrete superstructure supported on conventional cast-in-place concrete abutments and wingwalls. The original structure was built in 1981 and there is no record of rehabilitation. The structure carries the water flow of the Mattabeset River under Berlin Street.

At Bridge No. 05224 the Mattabeset River has a drainage area of 45.3 square miles. Based on this the structure is classified as large in accordance with the CTDOT Drainage Manual and should have the ability to pass the 100 year frequency event with a backwater not to exceed 1 foot and 2 feet of underclearance. A review of the Hartford County Flood Insurance Study indicates that the Mattabeset River is studied in detail and mapped with Zone AE limits wherein flood elevations are established. (See attachment 1 for a copy of the FEMA Firmette developed for the site and excerpts from the Hartford County Flood Insurance Study).

The FEMA Flow Rates provided in the May 16, 2017 Hartford County Flood Insurance Study for this section of the Mattabeset River are as follows:

Drainage Area (sq. mi.)	10-yr	50-yr	100-yr	500-yr
49.2	2700-cfs	4700-cfs	5800-cfs	8600-cfs

StreamStats, a Web-based Geographic Information Systems (GIS) application was used to obtain the Mattabeset River drainage basin boundary, basin characteristics and streamflow estimates.

The results of the StreamStats evaluation for peak flows are as follows:

2-yr	10-yr	25-yr	50-yr	100-yr	500-yr
1140-cfs	2550-cfs	3470-cfs	4240-cfs	5080-cfs	6520-cfs

(See Attachment 2 for a copy of the StreamStats report developed for the crossing).

Based on a review of the flood profile for the Mattabeset River from the Hartford County Flood Insurance Study, it appears that the crossing passes the 10 and 50 year frequency event with no underclearance. The 100 year frequency event is 1.7 feet above the top of the bridge, the 500 year frequency event is 1.7 feet above the top of bridge and 500 year frequency event is 4.4 feet above the top of bridge. This indicates the crossing does not meet CTDOT design criteria.

A review of the inspection report provides that the 2017 ADT of the Worthington Ridge Road is 1005 with a detour length of 2 miles.

In accordance with Section 25-68h-3(e) local roads and driveways with low traffic volume and where alternate routes are available, lower design criteria than those stipulated in the CTDOT Drainage Manual is acceptable when:

- (A) Flood discharges may be allowed to cross over roads that are at or close to the floodplain grade.
- (B) Water surface elevations shall not be increased by more than one foot, nor allowed to cause damage to upstream properties.
- (C) Provisions are made to barricade the road when overtopped.
- (D) The road or driveway is posted as being subject to flooding.

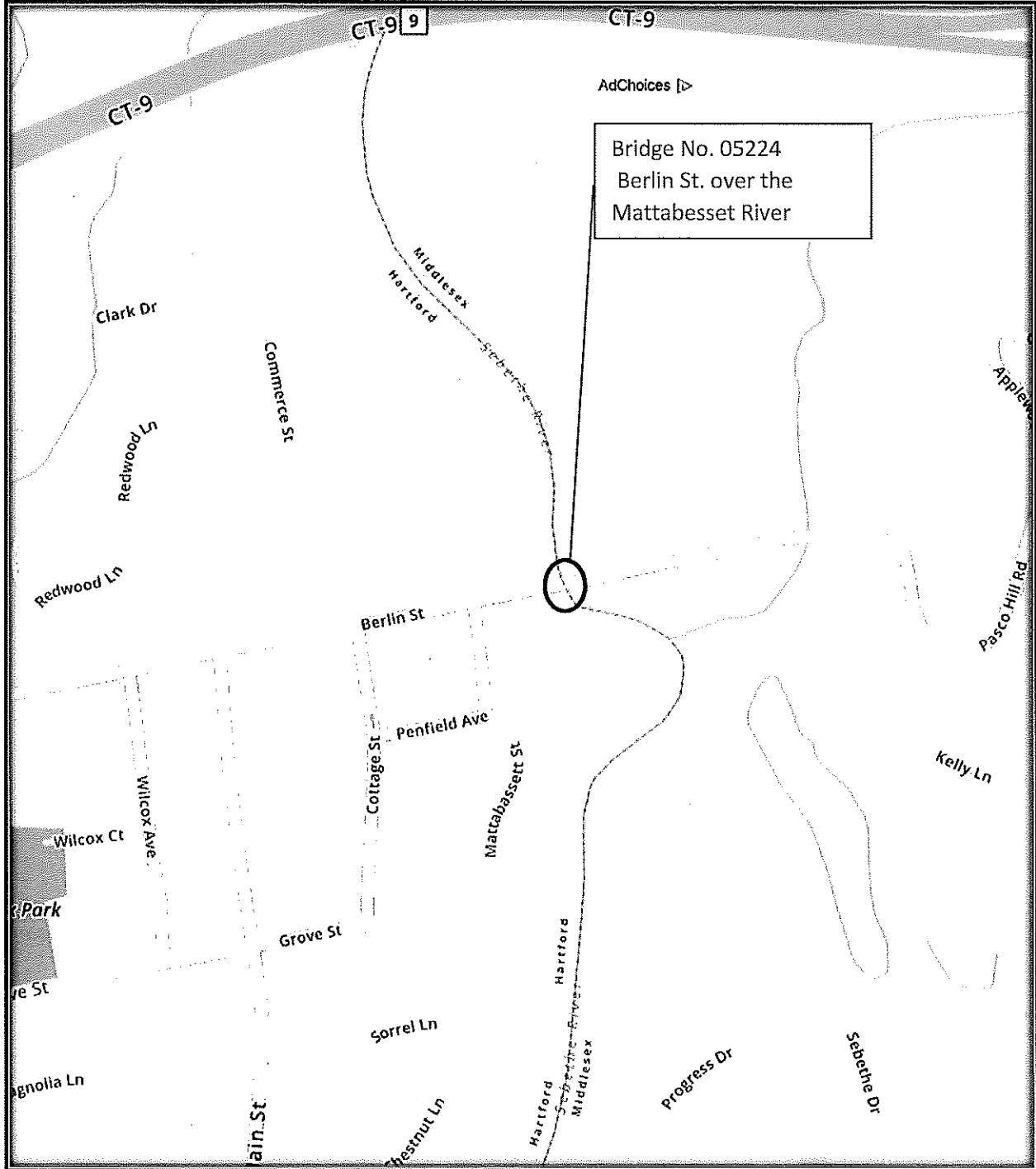
Given the proposed preservation activities on this structure:

- Remove the existing bituminous concrete wearing surface, repair deck unit surfaces and joints, install new waterproofing membrane and repave the bridge;
- Repair spalls and cracks in concrete rail bases and end blocks;
- Repair metal bridge railings;
- Patch spalls and cracks in abutments and wingwalls;
- Repair/fill scour holes in channel;
- Repair bank erosion;
- Upgrade existing approach guide railing to current standards;
- Repave bridge approach roadways.

And the low traffic volume served by the structure, the use of lower design criteria for this crossing is warranted.

Project Description

Bridge No. 05224, Berlin Street over the Mattabesset River



Memo

To: JoAnn Doyle, Town Clerk
From: Stuart B. Popper, Town Planner
Date: December 23, 2019
Re: Inland Wetland and Watercourses Agency Meeting Dates for 2020

The following meeting dates for 2020 were approved by the Inland Wetlands and Watercourses Agency at their meeting on December 4, 2019.

January 9, 2020 Special Meeting

February 5, 2020

March 4, 2020

April 1, 2020

May 6, 2020

June 3, 2020

July 1, 2020

August 5, 2020

September 2, 2020

October 7, 2020

November 4, 2020

December 2, 2020

The January 2020 special meeting will be held on Thursday, January 9, 2020 instead of January 1st which is New Years Day or January 8th as there may be a Town Council meeting that night.