

TOWN OF PUTNAM

TOWN HALL
200 SCHOOL STREET
PUTNAM, CONNECTICUT 06260

Inland Wetland Commission Meeting
Hybrid Meeting
February 8, 2023 6:00 P.M.
Municipal Complex Room 201 Second Floor

Agenda:

1. Call to Order & Roll Call:

Continue Public Hearing on Application 2022—09 Putnam River Road, LLC & 285 River Road, LLC request for an 11 lot Subdivision and Gravel Excavation for properties located at 357 River Road, Town Assessors Map 043, Lot 010, Zoned Agricultural-2 and 285 River Road, Town Assessors Map 043 Lot 005, Zoned Agricultural-2. Development will include the excavation of gravel to create two permanent ponds. VOTE REQUIRED

PLEASE NOTE: Special Meeting held on November 30, 2022, Public Hearing for Application 2022-09 285 River Road LLC – Putnam River Road LLC - 285 River Road and 357 River Road– 11 Lot Subdivision and Gravel Excavation has NO RECORD RECORDING. Any person that spoke at this meeting is invited to provide information at the January 25, 2023 meeting.

Additional information may be found on the Town Website on the Inland Wetlands page under Agendas

<https://www.putnamct.us/government/commissions/inland-wetlands-commission>

Regular Meeting:

1. Review minutes of the December 14, 2022, meeting. VOTE REQUIRED
Review minutes of the December 29, 2022, meeting. VOTE REQUIRED
Review minutes of the January 25, 2022, meeting. VOTE REQUIRED
2. Correspondence: CLA Engineers, Inc. January 17, 2023, review of 285 River Rd LLC and Putnam River Rd LLC Inland Wetland Application Review.
3. Public Participation:
4. Unfinished Business: - (Review/Discussion/Action)
 - A. Application 2022-09 285 River Road LLC – Putnam River Road LLC - 285 River Road and 357 River Road– 11 Lot Subdivision and Gravel Excavation
5. New Business: - (Review/Discussion/Action)
 - B. Application 2023-01 John M. Dean Co, LLC – Stormwater drain pipe replacement..
6. Comments By Commissioners:
7. Adjournment.

Join Zoom Meeting

<https://us06web.zoom.us/j/81261438065?pwd=QUFWUnRtZ3hzckV2RkUvcEdFNHhDdz09>

Meeting ID: 812 6143 8065

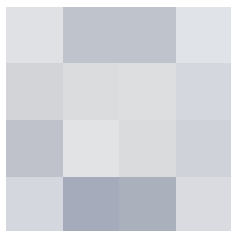
Passcode: yaE6x3

Phone +1 929 205 6099 US (New York)

Meeting ID: 812 6143 8065

Passcode: 686414

Find your local number: <https://us06web.zoom.us/j/81261438065?pwd=QUFWUnRtZ3hzckV2RkUvcEdFNHhDdz09>



TOWN OF PUTNAM

TOWN HALL
200 SCHOOL STREET
PUTNAM, CONNECTICUT 06260
Inland Wetland Commission Meeting Minutes
Hybrid Meeting
December 14, 2022 7:00 P.M.
Municipal Complex Room 201 Second Floor

Present: Adam Paquin-Chairman, Mike Bogdanski, Cynthia Dunne, Theodore Altmeier
Shannon O'Shea – Acting Alternate
Absent: Walter Irwin, Christine Main

Review minutes of the November 9, 2022 meeting.

Motion by Theodore Altmeier to accept the minutes, second by Mike Bogdanski. ALL WERE IN FAVOR

Review minutes of the November 30, 2022 special meeting.

Motion by Theodore Altmeier, second by Cynthia Dunne. ALL WERE IN FAVOR

Correspondence: None

Public Participation: None

Unfinished Business:

Application # 2022-12 Nicholas Barry – 257 Heritage Road – Single Family Residence

Kathleen Thornton and Roland Marios of 27 Freedley Fork Road, Pomfret owners of the property were present. Bruce Fitzback reviewed the history of the property and the application with the Commission as the applicant had no one present on their behalf to do so.

Motion by Theodore Altmeier to approve, second by Cynthia Dunne. ALL WERE IN FAVOR

New Business/Other Business: None

Agent Report:

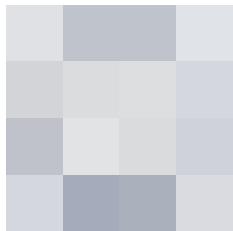
Dunkin Donuts update

10 Marycrest Drive – Breach in the installed silt fence. Company overseeing the remediation has been contacted and will address the issue.

Motion to adjourn at 7:20 P.M., second by Theodore Altmeier. ALL WERE IN FAVOR

Respectfully submitted by Brenda Roy.

Please note these minutes have not been accepted by the Commission and will be placed on their next meeting agenda.



TOWN OF PUTNAM

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200 SCHOOL STREET
PUTNAM, CONNECTICUT 06260

Inland Wetland Commission Special Meeting Minutes
Hybrid Meeting
December 29, 2022 6:00 P.M.
Municipal Complex Room 109 First Floor

Meeting was redirected to Room 201 on the second floor due to technical difficulties.

Agenda:

Present: Adam Paquin-Chairman, Walter Irwin, Cynthia Dunne, Theodore Altmeier, Mike Bogdanski
Absent: Shannon O'Shea, Christine Main

Continued the public hearing on Application 2022-09 Putnam River Road, LLC & 285 River Road, LLC request for an 11 lot Subdivision and Gravel Excavation for properties located at 357 River Road, Town Assessors Map 043, Lot 010, Zoned Agricultural-2 and 285 River Road, Town Assessors Map 043, Lot 005, Zoned Agricultural-2. Development will include the excavation of gravel to create two permanent ponds. Attorney Heller, Associate Andrew McCoy, and David Held of Provost and Rovero were present. Attorney Heller reviewed the plan modifications with the Commission also stating that the temporary bridge crossing was withdrawn. Area residents Montana Orvel, Martin Fey, Delia Fey, Jessica Morreau, Dave Vitale, and Mark Morin addressed the commission expressing concerns and opposition. Attorney Carey was present on behalf of his clients, Donna & Peter McMorris expressing their concerns and distributed a Hydrogeologic Impact Assessment report from Weston & Sampson to the Commission members. Charlene Barbour of 339 Sabin Street spoke in opposition as well as the following residents from River Road, Susan-200 River Road, Donna McMorris - 341 River Road, Rita Anand-165 River Road, Lynne Peckham-242 River Road, Richard Columbia-423 River Road, Tiffany Barnes-525 River Road. Peter McMorris-341 River Road stated that he was opposed to the ponds not the subdivision itself. Motion by Walter Irwin to continue the public hearing to January 25th at 6:00 P.M., second by Theodore Altmeier. ALL WERE IN FAVOR.

Regular Meeting:

Correspondence:

No additional received.

Public Participation:

Discussion was held by the Commission members regarding time limits on public participation.

Motion by Theodore Altmeier to put a 3-minute limit in place, second by Cynthia Dunne. ALL WERE IN FAVOR.

Unfinished Business: - (Review/Discussion/Action)

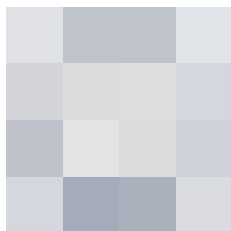
Application 2022-09 285 River Road LLC – Putnam River Road LLC - 285 River Road and 357 River Road– 11 Lot Subdivision and Gravel Excavation

Discussion was held regarding acquiring an engineer to review the plans. Motion by Mike Bogdanski for the agent to pursue acquiring an engineer, second by Cynthia Dunne. ALL WERE IN FAVOR.

Motion by Theodore Altmeier to adjourn at 8:35 P.M., second by Mike Bogdanski. ALL WERE IN FAVOR.

Respectfully submitted by Brenda Roy.

Please note these minutes have not been accepted by the Commission and will be placed on their next meeting agenda.



TOWN OF PUTNAM

TOWN HALL
200 SCHOOL STREET
PUTNAM, CONNECTICUT 06260

Inland Wetland Commission Special Meeting Minutes
Hybrid Meeting
January 25, 2023 6:00 P.M.
Municipal Complex Room 201 Second Floor

Agenda:

Present: Adam Paquin-Chairman via Zoom, Walter Irwin, Cynthia Dunne, Mike Bogdanski, Shannon O'Shea acting alternate.

Absent: Theodore Altmeier

The Chairman as well as other interested parties via Zoom were unable to hear the audio despite numerous attempts being made.

Walter Irwin-Vice Chairman opened the meeting at 7:00 P.M.

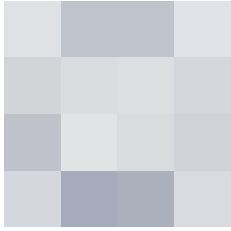
Motion by Mike Bogdanski to reschedule the meeting, second by Shannon O'Shea. ALL WERE IN FAVOR.

Motion by Cynthia Dunne to continue the public hearing to February 8, 2023 at 6:00 P.M. Room 201, second Mike Bogdanski. ALL WERE IN FAVOR

Motion by Walter Irwin to adjourn at 7:03P.M. second by Cynthia Dunne. ALL WERE IN FAVOR.

Respectfully submitted by Brenda Roy.

Please note these minutes have not been accepted by the Commission and will be placed on their next meeting agenda.



TOWN OF PUTNAM

TOWN HALL
200 SCHOOL STREET
PUTNAM, CONNECTICUT 06260
Inland Wetland Commission Special Meeting Minutes
Hybrid Meeting
November 30, 2022 6:00 P.M.
Municipal Complex Room 109 First Floor

Present: Adam Paquin-Chairman, Walter Irwin, Mike Bogdanski, Cynthia Dunne, Theodore Altmeier
Absent: Alternate-Shannon O'Shea, Christine Main

Continued Public Hearing on Application 2022—09 Putnam River Road, LLC & 285 River Road, LLC request for an 11 lot Subdivision and Gravel Excavation for properties located at 357 River Road, Town Assessors Map 043, Lot 010, Zoned Agricultural-2 and 285 River Road, Town Assessors Map 043 Lot 005, Zoned Agricultural-2. Development will include the excavation of gravel to create two permanent ponds. Attorney Heller, David Held of Provost & Rovero and Wayne Bugden, Hydrogeologist were present. Attorney Heller submitted resumes for David Held and Wayne Bugden. David Held submitted an updated soils report and revised plans. Area residents in attendance totaled 20. Donna McMorris and Peter McMorris were present with Attorney Michael Carey. Attorney Carey brought to the attention of the Commission the audience was unable to hear or see the maps. He reviewed his information regarding the application with the Commission. Donna McMorris, Delia Fey, Mark Morin, David Vitale, Lisa Morin, Don Moreau, Lynne Peckham, Steve Faucher, Ken Haggerty, Peter McMorris spoke in opposition. Delia Fey read her letter of concerns into the record and distributed a copy to each Commission member. Bruce Fitzback suggested to the Commission that they ask Attorney Heller for an extension. Attorney Heller stated it was okay and that Attorney Carey was in favor of the extension as well. Attorney Heller will provide a letter to the Commission granting the extension. The Commission members discussed upcoming dates and availability for the continuance of the public hearing.

Motion by Walter Irwin to continue the public hearing to Thursday December 29th at 6:00 P.M., second by Mike Bogdanski. ALL WERE IN FAVOR.

Motion by Cynthia Dunne for a 5-minute recess, second by Walter Irwin. ALL WERE IN FAVOR

Regular Meeting:

Correspondence: None

Public Participation: None

Unfinished Business:

Application 2022-09 285 River Road LLC – Putnam River Road LLC - 285 River Road and
357 River Road– 11 Lot Subdivision and Gravel Excavation
Public hearing continued to December 29, 2022 @ 6:00 P.M.

Comments By Commissioners: None

Bruce Fitzback received an application from Nicholas Barry for a single-family home located at 257 Heritage Road. Motion by Theodore Altmeier to accept the application for next meeting, second by Cynthia Dunne. ALL WERE IN FAVOR.

Motion by Walter Irwin to adjourn at 9:08 P.M., second by Theodore Altmeier. ALL WERE IN FAVOR.

Respectfully submitted by Brenda Roy.

Please note these minutes have not been accepted by the Commission and will be placed on their next meeting agenda.

Topic: Putnam Wetlands Zoom Meeting

Time: Nov 30, 2022 6:00 PM Eastern Time (US and Canada)

Join Zoom Meeting

<https://us06web.zoom.us/j/84894819825?pwd=NDlnZTRValluN2NLNjMzb0RHRGpUZz09>

Meeting ID: 848 9481 9825

Passcode: JB0SRx

+1 929 205 6099 US (New York)

Meeting ID: 848 9481 9825

Phone Passcode: 758740

CLA Engineers, Inc.

Civil • Structural • Survey

317 MAIN STREET

NORWICH, CT 06360

(860) 886-1966

(860) 886-9165 FAX

January 25, 2023

Mr. Bruce Fitzback
Town of Putnam
Land Use Agent
200 School Street
Putnam CT 06260

RE: 285 River Rd LLC and Putnam River Rd LLC
Inland wetland application review
Town of Putnam
CLA 7399

Dear Mr. Fitzback:

Per your request, CLA has reviewed the additional materials submitted by the applicant received by CLA via email on January 24, 2023. The additional materials are listed below

The information reviewed included:

1. A response letter dated January 23, 2023 prepared by Provost & Rovero.
2. A plan set revised to 1/20/23 prepared by Provost & Rovero
3. A letter from the soil scientist, Joseph Theroux CSS, dated 1/20/23
4. A hydrogeological letter of report dated January 23, 2023 prepared by One Earth Environmental on behalf of the applicant.
5. Additional groundwater monitoring data for the month of January 2023.
6. A letter from Heller, Heller & McCoy to Bruce Fitzback, Land Use Agent, dated January 17, 2023 granting a 30 day extension to the Putnam IWWC.
7. A letter from Bruce Fitzback to 285 River Rd LLC and Putnam River Rd LLC indicating that the IWWC would retain CLA Engineers for third party review.

CLA has reviewed the recently submitted materials and finds that they are responsive to the comments of our January 17, 2023 letter. Additional explanation, on a comment-by-comment basis is given below with CLA's original comment in boldface:

General Comments Regarding Potential for Wetland Impacts

1. **Per the project plans revised to 12/28/22, there are no proposed direct wetland impacts such as filling, excavation or discharge to inland wetlands.**

No response was required.

2. **Based on the 12/28/22 plans, there is no longer a proposal to construct a clear span bridge over Carpenter Brook as was shown in previous submittals. This is a positive revision in that it further limits the potential for wetland impacts. It is CLA's experience this type of revision, i.e. one that further reduces the potential for wetland impact, does not require submittal of a new application to the Commission. In fact, this is a typical occurrence during the Commission's consideration of an application.**

No response was required.

3. **CLA believes that the applicant has presented a reasonable set of alternatives that minimize the potential for direct wetland impact; however, the potential for hydrologic impacts needs further consideration.**

This has been addressed per item 4 below.

4. **The available hydrologic data are incomplete and do not assure the commission of a lack of hydrologic impact to wetlands. CLA concurs with the Weston and Sampson Hydrogeologic Impact Assessment that the currently available data cannot rule out the potential for the Phase 1 fringe wetland to experience a hydrologic change due to a steepening of the vertical groundwater gradient due to the proposed excavation. Additional hydrologic data collection and impact analysis in that part of the site is warranted. This may result in the need for a functional analysis of those wetlands.**

The hydrogeological letter of report dated January 23, 2023 prepared by One Earth Environmental on behalf of the applicant addresses this issue. The report presents the results of additional onsite exploration that indicates that the proposed excavation will not adversely affect the vertical groundwater gradient of the fringe wetland. No further investigation or functional assessment of wetland is warranted.

5. **The available hydrologic data are incomplete with regard to duration and period. CLA's experience indicates that ground water levels should be monitored through at least one full wet season (December through early May) in order to predict seasonal fluctuation and seasonal high water. For this site, it is important to understand if the northerly proposed basin will discharge water to the nearby wetland, and if so, how much and when. This also may require a functional analysis of that wetland. Note that the water level here rose approximately 3 feet from November 2022 to December 2022. The applicant's Hydrogeologist had only data through October 2022 available**

CLA examined the additional groundwater monitoring data for the month of January 2023 and compared it to groundwater monitoring at nearby sites available the USGS website

<https://waterdata.usgs.gov/nwis/gw> and feels that the applicant's assessment of groundwater elevations at the site is justified. No further wetland assessment is warranted.

- 6. Test pit data for some of the pits around the northerly proposed pond (lots 5 and 6) are missing and should be provided (i.e. TP-6 and TP 6-7). Also TP 7-1 and 7-2 show shallow depths to ledge. Boring log data indicate greater depth to bedrock than is shown by the test pits. Additional data are needed to determine if the site requires excavation of ledge, and if so, does the rock to be removed present the potential for acidic runoff?**

The explanations given in the Provost & Rovero of January 23, 2023 as to the test pit data are consistent with CLA's experience excavating test pits for on-site septic systems. No further investigation or data are needed.

- 7. The CTDEEP Natural Diversity Database does not indicate any known protected species on the site, thus no additional protection measures are warranted.**

No response was required.

- 8. Carpenter Brook is not shown as a cold water stream on CTDEEP <https://ctdeepwatermonitoring.github.io/ColdWaterHab/>, thus the vegetated buffer to remain around it appears adequate.**

No response was required.

Editorial Comments

- 1. Show feasible soil stockpile locations for each lot and the pond excavation.**

This has been shown on the plans.

- 2. Show additional stabilization of the sediment to be deposited on 3:1 slopes, using either erosion mats or a spray on fiber mat.**

This has been shown on the plans.

- 3. The sediments to be deposited on site are proposed to come from a washing operation. Indicate how de-watering will be accomplished.**

The applicant has indicated that the sediments will be de-watered before they are brought to the site. This is a suitable response and referable to the transport of wet material to the site.

- 4. Show feasible de-watering locations and details for materials to leave the site.**

This has been shown on the plans.

5. Provide protection from erosion due to “run on” for the northerly pond excavation.

The additional E&S measures called for on the plans address the potential for “run on”.

6. The site should have weekly E&S inspection and reporting to the Town.

CLA concurs that the site will be a self-contained excavation, and unlikely to require weekly inspection internally. Of greater concern is maintenance of the tracking pad and dust control. Provided these controls are well maintained, less frequent inspection would be warranted.

7. A water tank truck should be on site at all times for dust suppression.

Provost & Rovero indicate on the plans that a watering truck will be available on a daily basis, though it might also be used on nearby sites. This is a suitable means of providing regular dust control if adhered to.

8. Provide orange construction fence at the limits of clearing to minimize the potential for over excavation.

This has been shown on the plans.

Summary

In summary, the recently submitted materials listed above address the comments in CLA’s letter of January 17, 2023. CLA believes that the applicant’s additional hydrogeological report addresses the concern regarding the potential for alteration of the hydro period of the “fringe” wetland near the southern pond. CLA also believes that the applicant’s additional groundwater monitoring addresses the concern regarding the elevation of seasonal high water in the ponds. The editorial comments on the plans have also been addressed. The Commission, should they approve the application, may wish to add a condition that the applicant install additional E&S measures for dust control and street sweeping at their, or their agent’s request.

Sincerely,

Robert C Russo

Robert C. Russo
Soil Scientist

December 29, 2022

Michael P. Carey, Esq.
Suisman Shapiro Attorneys-At-Law
75 State Street
New London, CT 06320

Subject: Hydrogeologic Impact Assessment, Putnam, Connecticut

Dear Michael:

At the request of Suisman Shapiro Attorneys-At-Law, Weston & Sampson Engineering, Inc. (Weston & Sampson) completed a hydrogeologic impact assessment for construction of two ponds on the property located at 285 River Road, Putnam, Connecticut (the Property).

Application #2022-09 by 285 River Road LLC, for development of an 11-lot subdivision and gravel excavation is pending with the Town of Putnam Inland Wetland Commission. The development plan includes construction of two ponds by gravel excavation.

Weston & Sampson has evaluated the potential for construction of the ponds to result in adverse impacts to the hydrology of a wetlands located on the Property and downstream properties (the Wetlands). Our assessment included review of the following information/documents:

- Readily available hydrogeologic information for the Property and surrounding area
- Letter report RE: Hydrogeologic Review of Proposed 11 Lot Subdivision, Putnam River Road, LLC & 285 River Road, LLC prepared by One Earth Environmental, LLC (OEE), dated October 11, 2022
- Letter report RE: Wetland delineation, 285 & 357 River Road, Putnam, CT, prepared by Joseph R. Theroux, dated July 29, 2022
- Site Plans for Proposed 11-Lot Resubdivision, River Road & Modock Road, Putnam, Connecticut, prepared by Provost & Rovero, Inc., dated June 29, 2022
- Excavation Cross Section A-A (Drawing 12 of 17 from above referenced Site Plans) annotated to show groundwater monitoring wells, water-level measurements, and approximate normal water surface elevation for proposed Phase I Pond
- Summary of monthly normal 1981-2010 precipitation and record of daily 2022 precipitation at the National Oceanic & Atmospheric Administration (NOAA) station at West Thompson Lake, CT: USC00069388

Opinion

Weston & Sampson is in general agreement with the assessment and conclusions documented in the OEE report, *"that the proposed excavation and removal of sand and gravel, replacement of a portion of this material with clean silt, and construction of two ponds will not significantly impact the hydrology of Carpenter Brook or other wetlands or watercourses."*

We find, however, that there is *insufficient information to conclude there will be no impact* to perimeter wetlands west and south of the Phase I Excavation/Pond (the Perimeter Wetlands).

Discussion

Based on the hydrogeologic setting, and specifically the till/sand-gravel contact that appears to be coincident with the location of the Perimeter Wetlands, it seems unlikely the groundwater in the sand and gravel contributes significantly to the hydrology of the Perimeter Wetlands. This finding limits the potential for significant impacts to

the Perimeter Wetlands. The limited hydrogeologic information available for the project does, however, indicate the potential for some impacts to the Perimeter Wetlands from construction of the Phase I Pond.

The available water-level measurements made in three groundwater-monitoring wells installed within the limits of the proposed Phase I Excavation/Pond indicate the groundwater level in the sand and gravel sediments fluctuates seasonally a minimum of approximately 3 feet, between measurements made on October 3, 2022 (low) and November 29, 2022 (high). These measurements are somewhat inconsistent with the precipitation record, which shows the October (low) measurement was made following two months of above normal precipitation and the November (high) measurement was made after one month of below normal precipitation. Also of note, the only other available water-level measurements made on July 11, 2022, following three to four months of below normal precipitation, was more than 2.0 feet higher than the October (low) measurements.

We suspect the change in groundwater levels is greater than shown by the limited data set and that the relatively dry conditions of 2022 prevented documentation of a seasonal high groundwater level. There is also a reasonable expectation that the variable permeability at the perimeter till/sand contact may limit dispersion of groundwater flow resulting in greater fluctuations in groundwater levels at this location than would otherwise be expected in a sand and gravel aquifer.

Groundwater in the sand and gravel may not be a significant source of hydrology for the Perimeter Wetlands, but it may, during season high groundwater conditions, impact/affect the vertical hydraulic gradient (VHG) between surface water and shallow groundwater in the Perimeter Wetland areas.

Excavation Cross Section A-A indicates the anticipated normal water surface at the southern, hydraulically upgradient end of the Phase I Excavation/Pond (near the Perimeter Wetlands) will be below the projected natural groundwater level in the existing sediments. This suggests a potential for construction of the pond to induce or increase a downward VHG beneath the nearby Perimeter Wetlands when compared to natural conditions. An increase in the downward VHG could shorten the hydroperiod of the Perimeter Wetlands (the length of time and portion of year the wetland holds ponded water). In addition, placement of lower permeability backfill at the southern perimeter of the proposed pond may further limit dispersion of the seasonal high groundwater levels and any natural interaction with shallow groundwater beneath the wetland.

Conclusion

Groundwater within the proposed Phase I Excavation/Pond is not a significant source of hydrology to the perimeter wetlands but may seasonally, when groundwater levels are high, act to reverse or reduce the VHG between wetland surface water and groundwater in the shallow sediments, which in turn could prolong the hydroperiod of the wetland.

Construction of the proposed Phase I Excavation/Pond could change the natural the VHG and shorten the hydroperiod of the Perimeter Wetlands.

Absent site-specific information about the hydrology of the Perimeter Wetland and potential interaction with seasonal groundwater in the sand and gravel sediments, it is difficult to rule out any potential for impact to the wetlands.

Comments

The groundwater-monitoring wells were installed in February 2021. Additional groundwater-level data may be available that would enhance our understanding of seasonal groundwater levels and potential interactions with wetland hydrology.

Water-level data from wetland piezometer/well couplets, if available, would also help to clarify any potential for impacts to the wetlands.

If you have any questions, please contact Rob Good at good.rob@wseinc.com or 959.777.5820.

Sincerely,

WESTON & SAMPSON ENGINEERS, INC.



Rob F. Good, Jr., PG, LEP
Senior Technical Leader – Hydrogeology

A word about the Author,

Rob F. Good, Jr., PG, LEP, is a hydrogeologist with over 40 years of professional experience conducting geologic and hydrogeologic investigations in a variety of settings and terrains, both nationally and internationally; with 33 years of experience working in Connecticut. His experience includes detailed geologic mapping, environmental and water-supply investigations; planning and execution of pumping tests; construction and mine dewatering; salt-water encroachment studies; development, evaluation and permitting of private, commercial and municipal groundwater supplies; hydrogeologic assessments for large-scale subsurface sewage disposal systems; assessment and environmental monitoring of solid waste, ash and RCRA landfills; investigation and remediation of petroleum hydrocarbons, chlorinated solvents, PCBs and metals contamination; hydrogeologic-impact assessments for proposed developments; presentation of expert testimony in administrative and legal proceedings; and administration and direction of projects. Rob is a licensed professional geologist in New York and a Licensed Environmental Professional in Connecticut. In 2013, Rob was appointed to the State Board of Examiners of Environmental Professionals (LEP Board) where he still serves.

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To: Putnam Inland Wetlands & Watercourses Commission

From: Delia P Fey, AICP, 570 River Road – property owner

Date: November 29, 2022

Re: Application 2022-09 285 River Rd LLC, Putnam River Rd LLC – 11 lot subdivision and gravel excavation

I only had access to the portion of the application that was downloaded with the agenda and the site & subdivision plans thus I don't know if I viewed the entire application, however I have the following questions and comments:

1. Since the application is within 500 ft of the town of Pomfret, did the applicant notice the town of Pomfret as required?
2. I live nearby and we have significant ledge frequently throughout our property. Is there ledge on this property too? And if so, will they need to blast?
3. Has this plan been reviewed by the town's engineer or engineering consultant? **This proposal involves substantial digging, regrading, clearing and a wetlands and stream crossing, etc and therefore definitely needs be reviewed by a civil engineer representing the town.**
4. Where's the rest of the E&S Plan? **The complete site plans, including the E&S Plan should be reviewed by the town's engineer.**
 - a. There is very little in the way of erosion & sediment controls showing in the plans.
 - b. The proposed bridge is indicated as 'temporary' however it is to have abutments that are backfilled which seems to indicate it will be installed with heavy equipment to cross a watercourse that was previously designated important enough to deem an upland review area that is *twice* as large as other watercourses in town.
 - i. The installation of the bridge should include erosion and sediment controls to be used during installation as well as dewatering areas for any earth material, removed from within the area of the streambed and wetlands, in order to create the stable bridge capable of bearing the load of heavy trucks and equipment passing over it.
 - ii. The stream no doubt has debris, boulders and other material that is in the way or otherwise not suitable as a foundation for the bridge abutments which will need to be **removed**, not to mention the 24 inches the abutments are required to be **embedded** into the surrounding grade which requires **excavation of 24 inches of the existing material very close to the edge of the wetlands and stream** to meet this detail of the plan. These details are in the "Detail Sheet No. 2" of the plans. The excavation and the embedding of the abutments indicate regulated activities are proposed either within the wetlands if not the stream itself and definitely within the Upland Review Area. **For this reason, a complete E&S plan should be required with the complete plans and the crossing should be reviewed by the town's engineer.**
 - c. Not sure if the thick dotted grey line at the top of the proposed excavation slope is the E&S controls because it's not in the legend and the E&S controls near the houses is black not grey.
 - i. Re: the gravel pits:
 1. How are the gravel pits to be stabilized temporarily over the life of the project?
 2. Where is the stabilization plan for post-gravel operation?

3. The temporary grading at the top and outer edge of the gravel pit shows a 12 ft drop over 14 ft or a **very steep slope** (85.7%). Considering we heard at the last meeting that trespassing occurs in this area, a fence should be required at the top of the slope to prevent anyone from encroaching on the gravel pit, particularly on lot 6, where the house is shown only 60 ft from the top of the slope, with the yard going right up to the slope.
4. Where is the dewatering area for earth materials that are to be removed from below the waterline?
5. There are no stockpile areas indicated. Is the topsoil going to be removed along with the gravel? If so, what will be used to stabilize the final graded gravel pit and associated disturbed areas? I recommend not allowing invasive plants to be included.
5. In multiple locations, the limits of disturbance to the edge of wetlands is 20 +/- ft, which is very little buffer to the wetlands, from the substantial excavation that is proposed.
6. The two proposed ponds, if approved, will become regulated watercourses, and therefore should be designed so as to be more of a beneficial function for wildlife as it will occupy so much space in the habitat. If not designed to function as a pond supportive of wildlife then it is more of a manmade hazard which is entirely avoidable. As proposed it appears the ponds of the proposed depths with the steeply sloping sides appear more to forever be a gravel pits and hazards not ponds.
7. What's the E&S Bond amount? **The E&S Bond estimate should be reviewed by the town's engineer.**
8. At the last meeting, it was stated that fish will get to the ponds, supposedly as a way to describe how these ponds will serve as habitat. I can't understand how this is possible as they do not connect to any waterways that support fish.

I am in no way opposed to the new homes or to gravel excavation in general, as I support economic development and the right of a property owner to develop their land. However, all construction should be reviewed by a civil engineer representing the town as well as following all Best Management Practices. Having stated this, as a professional planner with 21 years experience in reviewing development proposals very similar to this one, this plan is not complete as it stands.

Excavation Plan No. 2

Bridge & wetlands crossing

EXCAVATION PHASE 2
EXCAVATION VOLUME = 258,000 CY
EXCAVATION AREA = 6.5 ACRES

RIVER ROAD

KEY MAP
SCALE: 1" = 800'

PROVEST & ROVERO, INC.
Civil Engineering • Surveying • Site Planning
Structural • Mechanical • Architectural Engineering
57 East Main Street, P.O. Box 191
Plainfield, Connecticut 06064
(860) 230-8856 • FAX: (860) 230-0866
info@provest.com
www.provest.com

Excavation Plan No. 2

Bridge & wetlands crossing

EXCAVATION PHASE 2
EXCAVATION VOLUME = 258,000 CY
EXCAVATION AREA = 6.5 ACRES

RIVER ROAD

WETLANDS

KEY MAP
SCALE: 1" = 500'

DATE: 6/29/2022
SCALE: 1" = 40'
SHEET: 11 OF 17
DWG. No Client File
JOB No: 2023085

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

DAVID J. FIELD, L.S. LIC. NO. 24287 DATE: 6/29/22

NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS MAP BEARS THE ORIGINAL SEAL AND SIGNATURE OF THE LAND SURVEYOR.

ENGINEER DATE

REVISIONS

DATE	DESCRIPTION
7/29/2022	WSE. REVISIONS

EXCAVATION PLAN No. 2
PREPARED FOR
285 RIVER ROAD, LLC &
PUTNAM RIVER ROAD, L.L.C.
RIVER ROAD & MODOCK ROAD
PUTNAM, CONNECTICUT

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57 East Main Street, P.O. Box 191
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www.provostinc.com

Excavation Plan No. 2

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WETLANDS

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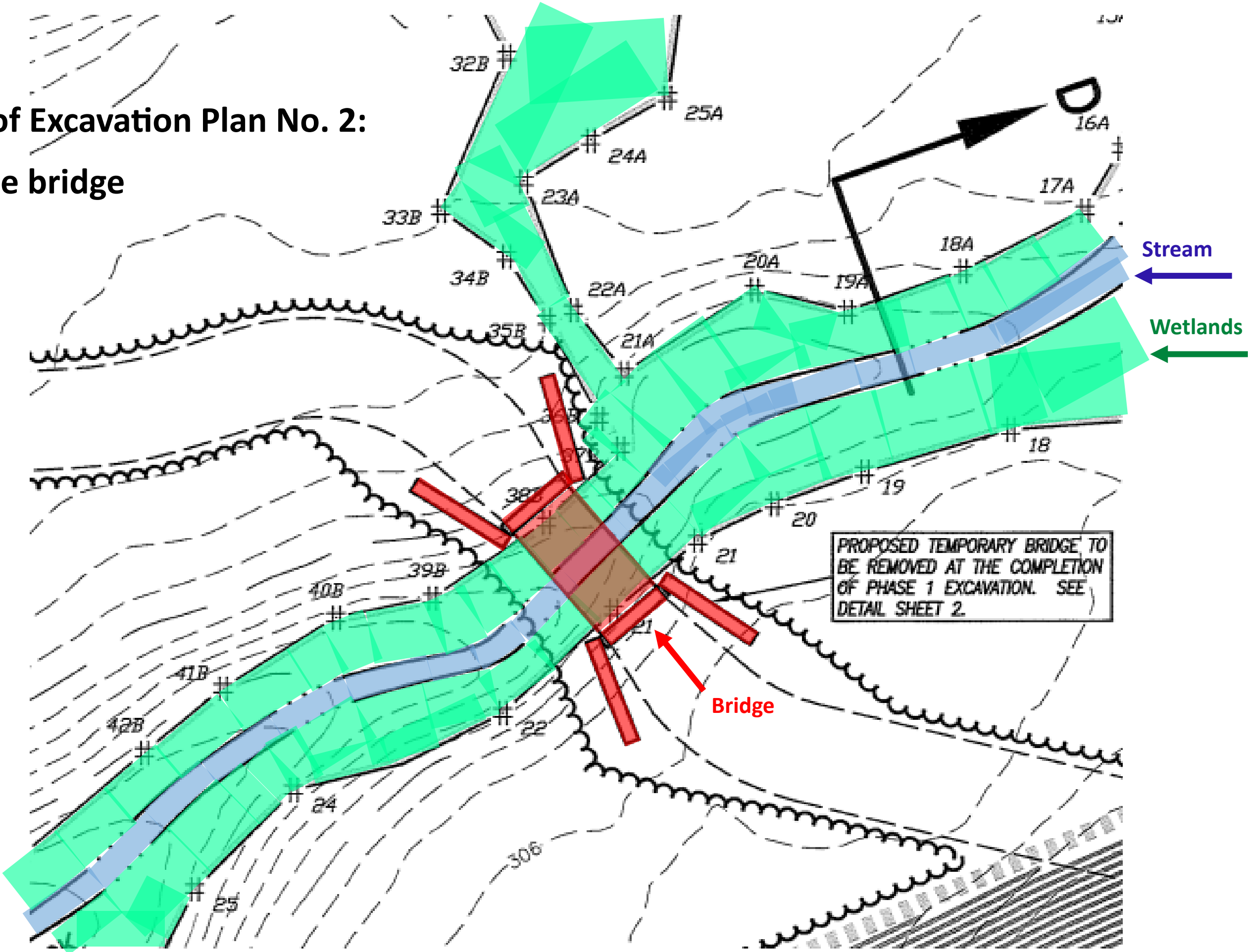
DATE: 6/29/2022
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TWS: No Client File
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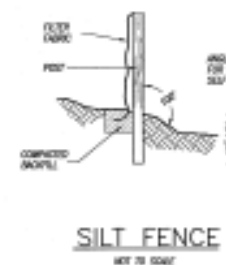
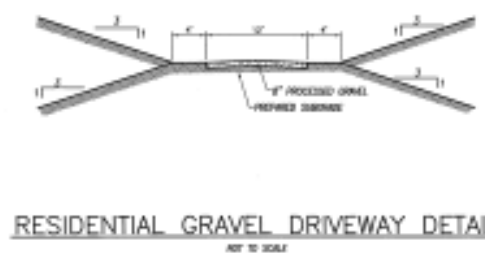
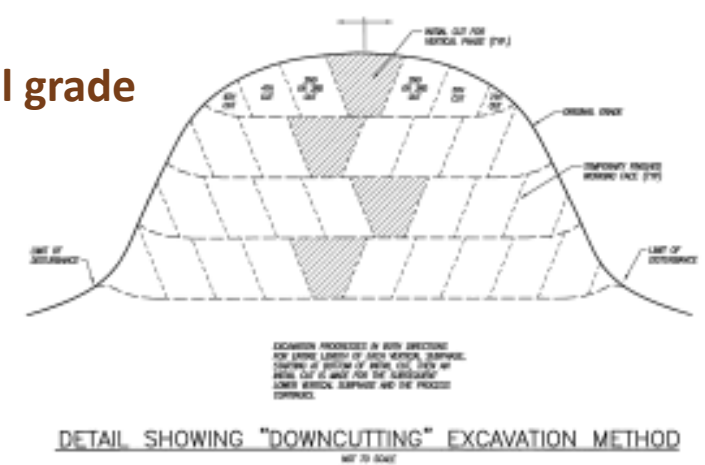
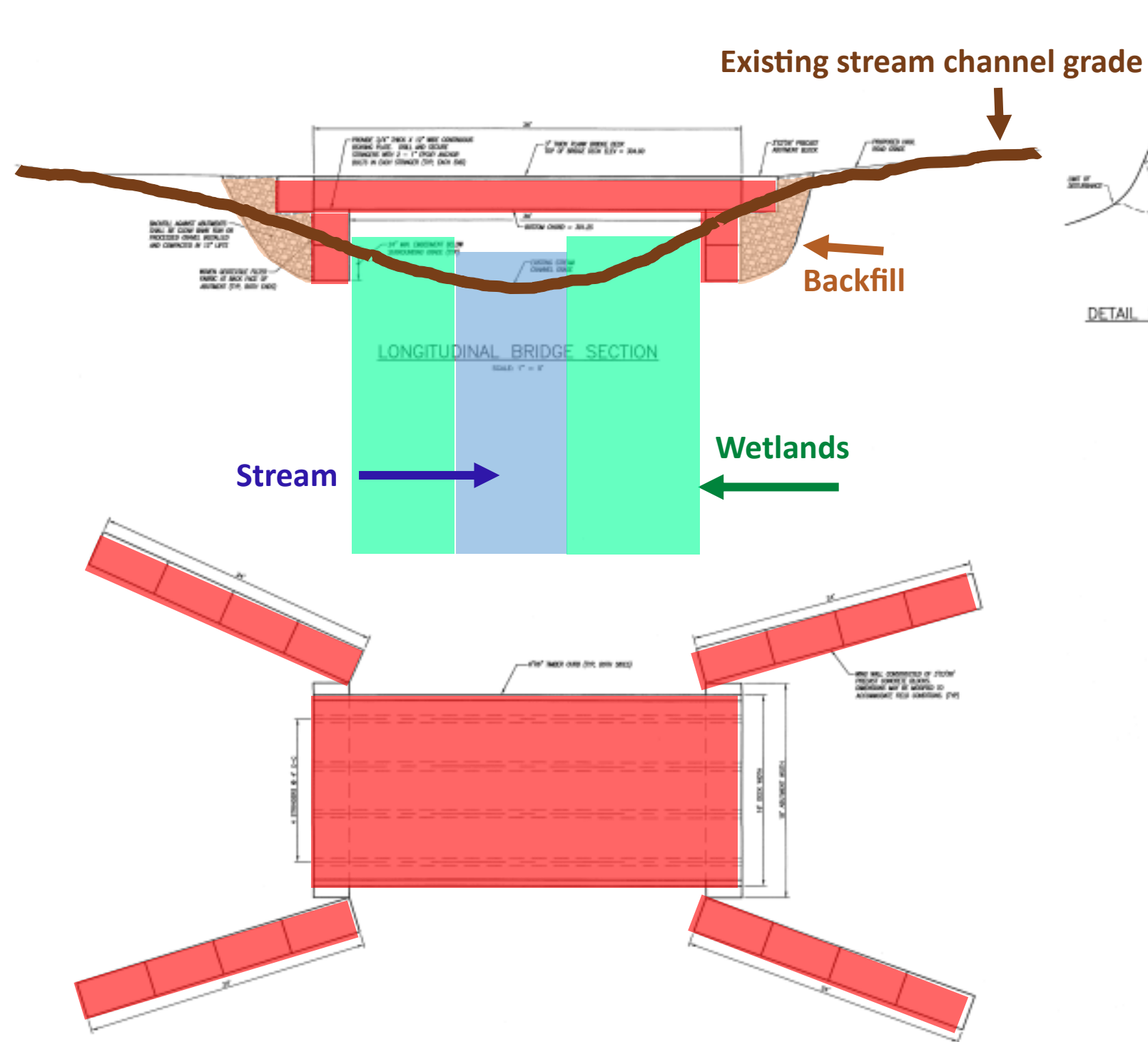
DAVID J. FIELD, L.S. LIC. NO. 24287 DATE: 6/29/22

NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS MAP BEARS THE ORIGINAL SEAL AND SIGNATURE OF THE LAND SURVEYOR.

Close-up of Excavation Plan No. 2:
Area of the bridge



LDF 1 TP 1-3, 1-4, 1-5 Depth to restrictive layer = 27 in. Slope % = 1.8 % Number of Bedrooms = 3 Percolation rate = 4.6 in./hr Max. depth into exist. grade = 0 in. System Size = 480 s.f. Hydraulic Factor = 42 Flow Factor = 1.50 Perc Factor = 1.80 42 x 1.50 x 1.06 = 63.0' MSS = 63.0'	Depth to restrictive layer = 31 in. Slope % = 11.8 % Number of Bedrooms = 3 Percolation rate = 6.6 in./hr Max. depth into exist. grade = 11 in. System Size = 495 s.f. Hydraulic Factor = 20 Flow Factor = 1.50 Perc Factor = 1.00 20 x 1.50 x 1.80 = 30.0' MSS = 30.0'
LDF 2 TP 2-1, 2-2 Depth to restrictive layer = 28 in. Slope % = 8.5 % Number of Bedrooms = 3 Percolation rate = 2.6 in./hr Max. depth into exist. grade = 1 in. System Size = 480 s.f. Hydraulic Factor = 36 Flow Factor = 1.50 Perc Factor = 1.80 36 x 1.50 x 1.02 = 36.5' MSS = 36.0'	LDF 9 TP 10-6, 10-7, 10-8 Depth to restrictive layer = 26 in. Slope % = 3.7 % Number of Bedrooms = 3 Percolation rate = 8.6 in./hr Max. depth into exist. grade = 8 in. System Size = 495 s.f. Hydraulic Factor = 36 Flow Factor = 1.50 Perc Factor = 1.00 36 x 1.50 x 1.80 = 45.0' MSS = 45.0'
LDF 3 TP 4-1, 3-2 Depth to restrictive layer = 28 in. Slope % = 2.8 % Number of Bedrooms = 3 Percolation rate = 3.2 in./hr Max. depth into exist. grade = 2 in. System Size = 480 s.f. Hydraulic Factor = 48 Flow Factor = 1.50 Perc Factor = 1.00 48 x 1.50 x 1.30 = 73.5' MSS = 72.0'	LDF 10 TP 11-1, 11-2 Depth to restrictive layer = 26 in. Slope % = 5.3 % Number of Bedrooms = 3 Percolation rate = 8.0 in./hr Max. depth into exist. grade = 8 in. System Size = 495 s.f. Hydraulic Factor = 36 Flow Factor = 1.80 Perc Factor = 1.00 36 x 1.50 x 1.80 = 45.0' MSS = 45.0'
LDF 4 TP 4-1, 4-3 Depth to restrictive layer = 28 in. Slope % = 1.1 % Number of Bedrooms = 3 Percolation rate = 4.6 in./hr Max. depth into exist. grade = 2 in. System Size = 495 s.f. Hydraulic Factor = 48 Flow Factor = 1.50 Perc Factor = 1.00 48 x 1.50 x 1.30 = 73.5' MSS = 73.5'	LDF 11 TP 12-1, 12-3 Depth to restrictive layer = 25 in. Slope % = 8.9 % Number of Bedrooms = 3 Percolation rate = 8.0 in./hr Max. depth into exist. grade = 8 in. System Size = 495 s.f. Hydraulic Factor = 28 Flow Factor = 1.80 Perc Factor = 1.00 28 x 1.50 x 1.80 = 42.0' MSS = 42.0'
LDF 5 TP 5-1, 5-2 Depth to restrictive layer = 30 in. Slope % = 1.1 % Number of Bedrooms = 3 Percolation rate = 3.0 in./hr Max. depth into exist. grade = 1 in. System Size = 480 s.f. Hydraulic Factor = 48 Flow Factor = 1.50 Perc Factor = 1.00 48 x 1.50 x 1.30 = 73.5' MSS = 73.5'	
LDF 6 TP 7-1, 7-3 Depth to restrictive layer = 72 in. Slope % = 1.4 % Number of Bedrooms = 3 Percolation rate = 5.7 in./hr Max. depth into exist. grade = 24 in. System Size = 480 s.f. MSS is not applicable	
LDF 7 TP 8-1, 8-2 Depth to restrictive layer = 30 in. Slope % = 1.2 % Number of Bedrooms = 3 Percolation rate = 2.8 in./hr Max. depth into exist. grade = 6 in. System Size = 480 s.f. Hydraulic Factor = 48 Flow Factor = 1.80 Perc Factor = 1.00 48 x 1.50 x 1.30 = 73.5' MSS = 73.5'	



Detail Sheet No. 2

BRIDGE PLAN VIEW
SCALE: 1" = 5'



REVISIONS	
DATE	DESCRIPTION
7/28/2023	MINOR REVISIONS

DATE: 6/29/2022	DRAWN: DJH
SCALE: AS SHOWN	DESIGN: DJH
SHEET: 17 OF 17	CHECK BY: ---
ONG: No Client File	JOB No: 2020095

DETAIL SHEET No. 2

PREPARED FOR

285 RIVER ROAD, LLC &
PUTNAM RIVER ROAD, L.L.C.

RIVER ROAD & MODOCK ROAD
PUTNAM, CONNECTICUT

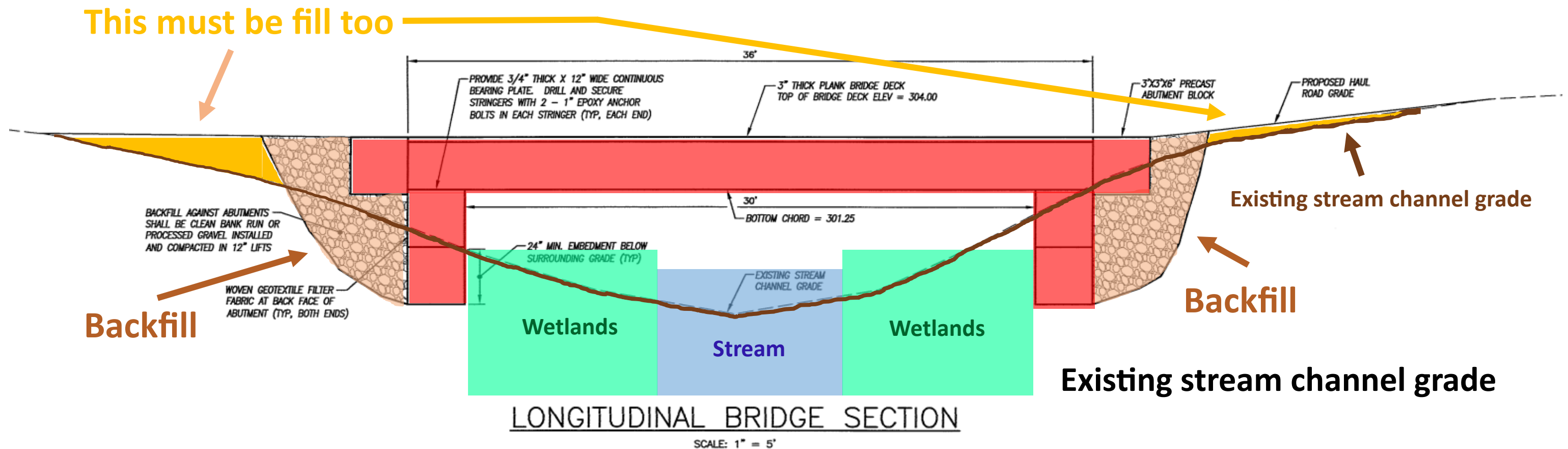
Provost & Rovero, Inc.

Civil Engineering • Surveying • Site Planning
Structural • Mechanical • Architectural Engineering

57 East Main Street, P.O. Box 191
Plainfield, Connecticut 06374
(860) 238-0856 • FAX: (860) 230-0860
info@provostinc.com
www.provostinc.com

This stream crossing involves 2 ft excavation immediately adjacent to if not within wetlands with additional filling for the required backfill, again **very** close to wetlands and the stream. Although the bridge is “temporary” it still involves excavation and backfilling.

Note: This building is temporary too as it will someday come down.





INLAND WETLAND COMMISSION

APPENDIX A

APPLICATION FOR PERMIT

This application is for the use of inland wetlands and water courses.

The meetings are held on the second Wednesday of every month at 7:00pm in the Town Hall. If an on-site inspection is canceled due to inclement weather, the applicant is asked to call the office at 963-6803 30 minutes before the scheduled inspection to see if or when the inspection will be held.

Name of Applicant JOHN M. DEAN CO., LLC
Applicant's Address 20 MECHANICS ST., PUTNAM, CT 06260
Phone # (860) 928-7701
Owner of Land KEVIN GRACE, SEI HOLDINGS
Owner's Address 3928 SOUTHWESTERN BLVD.
Location and description of proposed activity: (M. Provost Trucking & Landscaping LLC)
Replace 135' of existing drainage pipe through parking lot.

Activity & Purpose Code

Please **CHECK** one in each column that best describes the activity proposed.

Code	Activity Type	Code	Activity Purpose
☐	1 Filling	☐	A Residential Improvement by homeowner
☒	2 Excavation	☐	B New residential development - single family
☐	3 Land Clearing	☐	C New residential development - multi- family/condo
☐	4 Stream Channel	☐	D Commercial/Industrial Uses
☐	5 Stream Stabilization	☐	E Municipal Improvements
☐	6 Stream Clearance	☐	F Utility Company Improvements
☐	7 Culverting	☐	G Agriculture, Forestry or Conservation
☐	8 Und. Grd. Util.	☐	H Wetland Creation/Restoration
☐	9 Roadway Construction	☐	I Storm Water/Flood Control
☐	10 Drainage Improvements	☐	J Erosion/Sediment Control
☐	11 Pond Dredge/Dam Construction	☐	K Recreation/Boating/Navigation
☐	12 Activity Buffer/Set Back Area	☒	L Routine Maintenance
☐	13 Other: Please describe: _____		

2539

M Provost Trucking & Landscape Products, LLCP.O. Box 173
35 Providence Street
Putnam, CT 06260Jewett City Savings Bank
Jewett City, CT 06351

51-7433/2111



11-30-23

PAY TO THE
ORDER OF

Town of Putnam

\$ 160.00

One Hundred Sixty Dollars and 00/100

DOLLARS

MEMO Inland Wetland Comm.

AUTHORIZED SIGNATURE

INLAND WETLAND COMMISSION

APPENDIX A *Continued*

Application Procedure

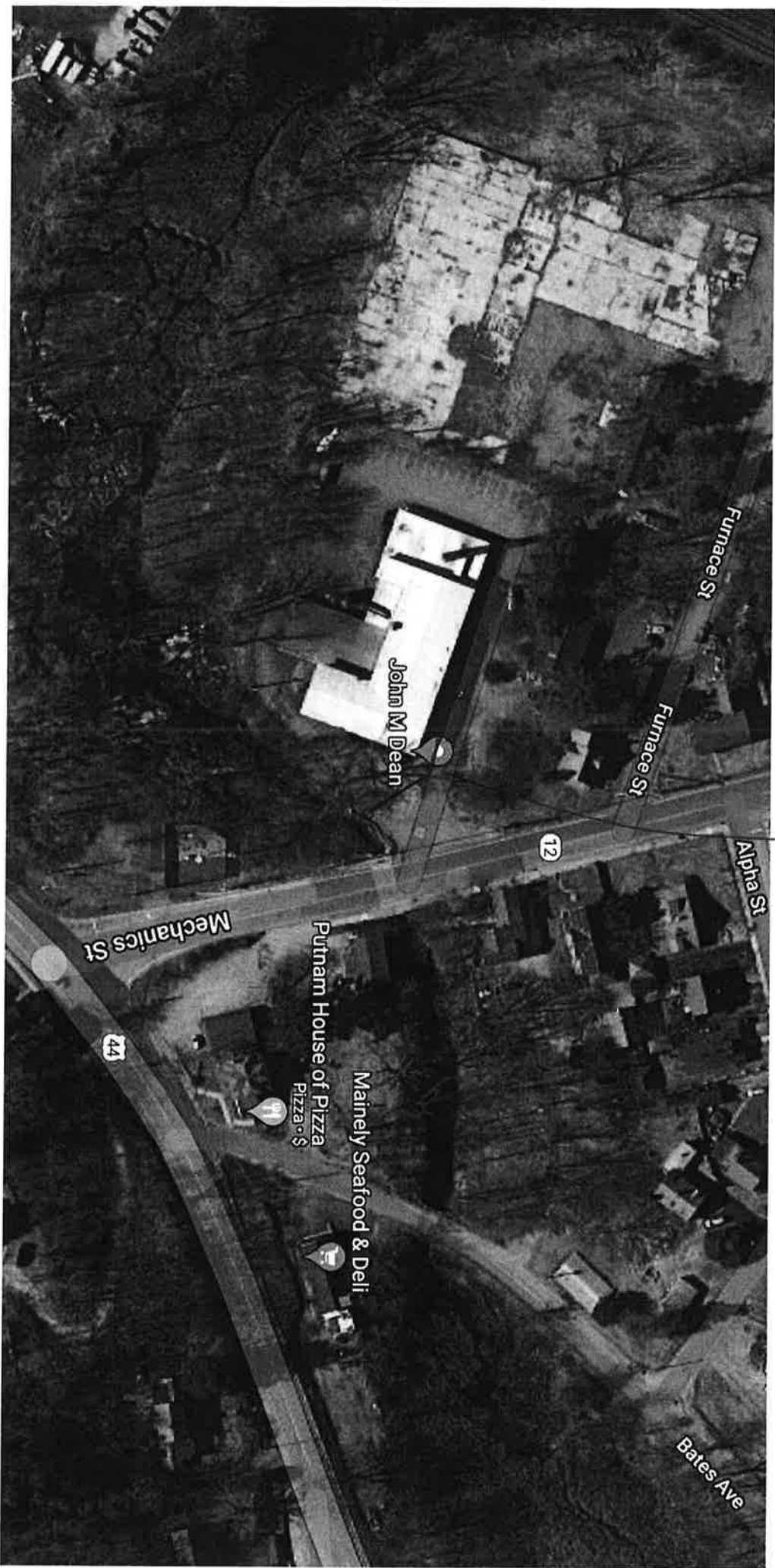
1. Applicant will have a map showing the property boundaries, any wetlands on the property, proposed buildings, septic area, drainage if applicable and the dimension between these areas in scale 1" - 200' or less
2. Applicant must provide an approximate estimate of the linear footage of the wetlands that are affected by said proposal. This is for multi-family, condominiums or commercial development. Contact with the Zoning Official may clarify the nature of your project
3. Applicant must provide an approximate estimate of the number of acres that are affected by said proposal dealing with multi-family, condominiums and commercial development in which wetlands are part of that impacted area within the watershed.
4. Applicant will supply a copy of the soil scientist report with the application to the Wetlands Commission to be reviewed at the meeting by the Commission.
5. Applicant will have the soil scientist number the wetland flags and record the numbers of the flags on the site plan according to their location in the field. The location on the site map must match the field location.
6. If the applicant's estimates are not accurate, payment of the correct amount must be made before the Wetlands final approval of the application.
7. And any other information deemed necessary by the Commission.

Fee Schedule

1.	Permitted and non-regulated	\$40.00
2.	One lot regulated	\$40.00
3.	Regulated Area	
	Two (2) - Ten (10) lots	\$100.00
	Ten (10) - Twenty (20) lots	\$200.00
	Over Twenty (20+) lots	\$300.00
4.	Multi-Family/Condominium Regulated area	
	Zero (0) to Five (5) Acres	\$50.00
	Per linear foot of wetlands additional	\$0.35
	Over Five (5) acres	\$100.00
	Per linear foot of wetlands additional	\$0.35
5.	Commercial	
	Zero (0) to Five (5) Acres	\$100.00
	Per linear foot of wetlands additional	\$0.50
	Over Five (5) acres	\$300.00
	Per linear foot of wetlands additional	\$0.50

All applications must be submitted one week prior to the regularly scheduled monthly meeting.

135'





February 1, 2023

20 Mechanics St

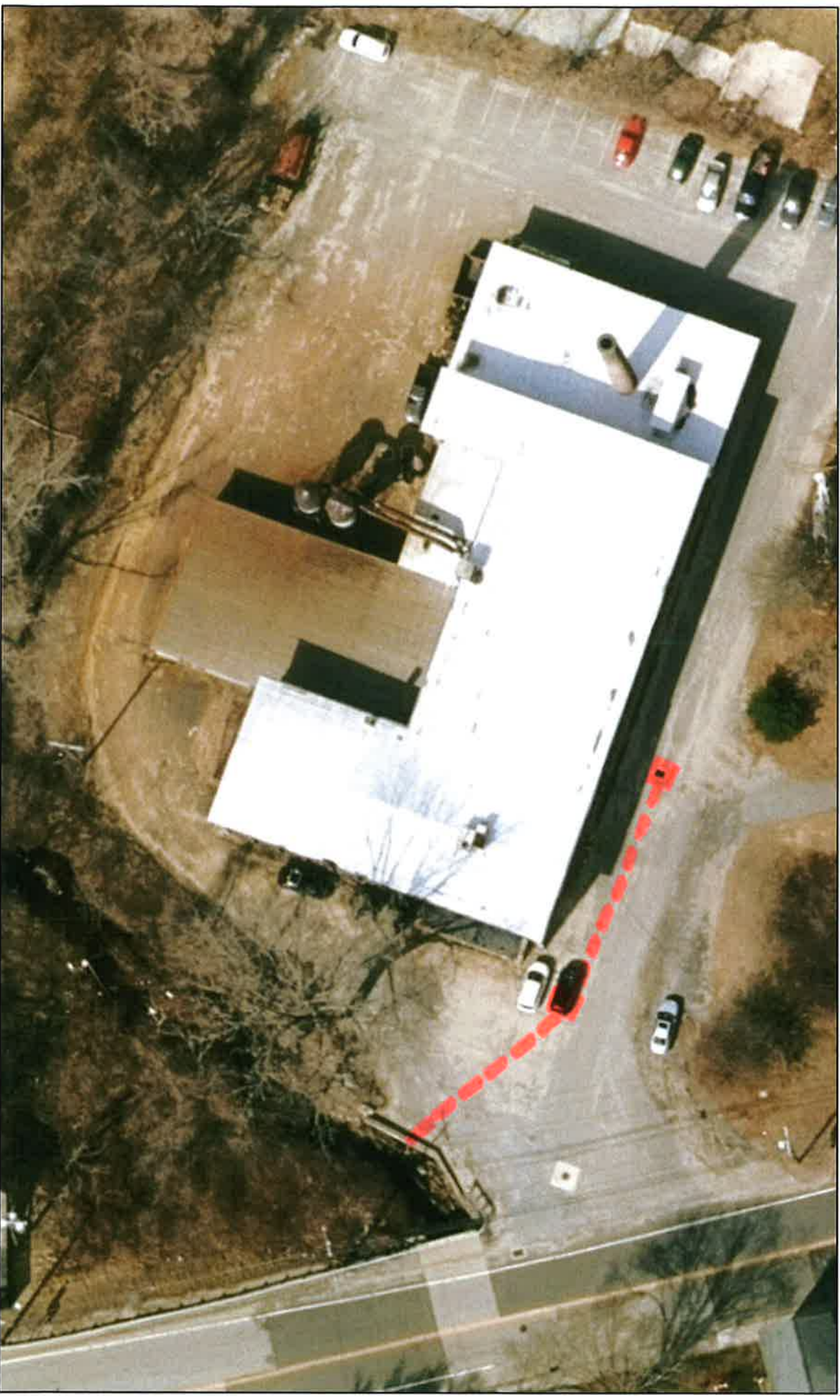
Putnam, CT

1 inch = 40 Feet



CAI Technologies
Putnam, Maryland 20686-1000

www.cai-tech.com



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