



**Town of Brooklyn
Inland Wetlands and Watercourses Commission
Regular Meeting Minutes
Virtual Web Ex
May 11, 2021**

Call to Order: The meeting was called to order at 6:00 p.m.

Members Present: Jeffrey Arends, Richard Oliverson, James Paquin, Adam Brindamour, Demian Sorrentino and Jason Burgess.

Members Absent: None.

Staff Present: Margaret Washburn, Wetlands Agent, Rick Ives, First Selectman, Audrey Cross-Lussier, Recording Secretary.

Also Present: Paul Archer, Bruce Woodis, Bob Russo, Shane O'Connor, Attorney S. Weiner, Jared Chviek, Lester Phillips, Christa Haveles, public in attendance.

Roll Call: All members present stated their name for the record.

Seating of Alternates: None.

Public Commentary:

Sharon Coman, 285 Paradise Drive: voiced her concerns with regards to Paul Lehto's 2 lot subdivision with the culvert on Paradise Drive. Is the Town in charge of the culvert? Also discussed certain trees that have a woodpecker habitat. A report was done by an archeologist some time ago. Chairman Arends noted Ms. Coman's concerns.

Mr. Paquin discussed ending the virtual Web Ex meetings. Selectman Ives commented that they are planning to move over in June. It looks like the legislature will extend the Governor's executive orders another 60 days which will put a crimp in it. The plan is to have the commission meet in person next month. Mr. Ives is worried about what the language will be in the executive order. Mr. Ives stated the Town still has to offer the on-line meetings. Discussion ensued.

Sharon Coman, 285 Paradise Drive: Ms. Coman stated that Mr. Lehto and the builder both said if a tree is dead it has to come down regardless. Ms. Coman feels this is not true, the tree has value even being out in the middle of the woods.

Additions to Agenda: None.

Approval of Minutes: Regular Meeting Minutes of April 13, 2021. The regular meeting minutes of April 13, 2021 were approved as written with no corrections.

Public Hearings: None.

Old Business:

1. 041321B Paul Lehto, 40 Almada Drive, Map 21, Lot 6, RA Zone; Proposed 2-Lot residential subdivision.

Bob Russo, CLA Engineers represents the applicant. The application was received at last month's meeting. Syl Pauley, P.E. NECCOG engineer reviewed the proposed plan, issued comments (see attached). The comments have not been addressed yet per Mr. Russo. The proposed project is 2 lots coming in from Almada Drive at the back of a cul-de-sac with an existing driveway to an existing house. One of the lots share that driveway and the plans show a proposed house, septic, etc., for which there is no wetlands impact. Mr. Russo reviews the second lot on sheet 7 of the plan set. The second lot is on Paradise Drive with the driveway off of Paradise Drive. There is uphill work in the review zone of IWWC, but no wetland impacts. There is an area for a house, designated stockpile, septic system, etc. In summary, this is 2 lots with no direct wetland impacts. The second lot on Paradise Drive will have work required in the upland review zone. It is understood that the plans will need to be revised based on the engineering review which they will be happy to do.

Mr. Paquin asked if there is any thought of connecting the two roads. Mr. Russo stated currently there is no proposal to do that. There are some steep grades to get from the Almada Drive cul-de-sac back to Paradise Drive. For a public road this would be a challenge and not currently being proposed. This will be two different lots coming off two different roads.

Chairman Arends asked if there are no proposed wetlands disturbances? Mr. Russo stated that is correct. Chairman Arends asked how is the grade on the lot off of the shared driveway on Almada Drive? Mr. Russo refers to sheet #7 of the plans for the shared driveway and reviews with Commission Members.

Chairman Arends asked Ms. Washburn if she has been out to the site. Ms. Washburn met with Mr. Russo last week. The town hall scanners were down on Thursday and was unable to get inspection report and photos into the packets. Ms. Washburn met with Mr. Russo at Almada Drive. There is no work in the upland review area. They drove down to Paradise Drive and, turned around in Ms. Coman's driveway and met with them. Mr. Russo did not object to Ms. Coman walking the site. Ms. Washburn stated the comments on the Paradise Drive watercourse show on the plan as 175 ft upland review area rather than a 125 ft. Ms. Washburn stated that up

on the top along the edge shows a cut into the hill slope along the side of the driveway. Ms. Washburn would like a note added to the plan that the area will be loam and seeded and stabilized.

Another concern is the runoff down towards Paradise Drive. There should be extra special attention there with the runoff coming down to a big ditch running under Paradise Drive to the lake. There needs to be beefed up sedimentation controls down the toe of the slope or there will be problems. Ms. Washburn encourages the Commission do a site walk.

Mr. Russo responded to Ms. Washburn's points and will be happy to show a broader upper review zone and the additional erosion and sedimentation controls on the driveway during construction.

Mr. Brindamour commented on Mr. Pauley's review stating there's no wetland flags visible. Are those flags there? Mr. Russo stated the wetlands flags are visible. Ms. Washburn stated she saw the flags.

Chairman Arends asks Ms. Washburn is the wetland wrapping around the driveway a continuous watercourse? Ms. Washburn stated yes.

Chairman Arends asked if the wetlands to the east of the turn around portion of driveway, is that a factor with grade, falling off that way or is it still rising?

Mr. Russo stated the grades go up that is at a higher elevation of the driveway.

Chairman Arends would suggest a site walk. Commission members polled, all are in agreement. Mr. Russo will attend.

A site walk will be scheduled for Monday, May 17, 2021 at 6 p.m. Members are to meet on Almada Drive in the cul-de-sac.

Mr. Sorrentino stated that Syl Pauley notes the swale on side of Paradise Drive as having running water. Was this inspected and determination made that this meets the classification and designated as such?

Mr. Russo stated a portion meets the classification and designated as such, another portion does not. If it is not clear on the plans, he will make sure that it is. Part of the swale has characteristics as listed in the Town's regulations, it is flagged and visible. It is down gradient of sheet 7. Mr. Russo will check on the extended plans.

A motion was made by Demian Sorrentino to table application 041321B to next month's scheduled meeting. Rich Oliverson seconds this motion. No discussion held. All in favor. The motion passes unanimously.

2. 041321C A. Kausch & Sons 53 Proulx Street, Map 41, Lot 85, R-10 Zone; Division of Property, Single Family Homes, Driveway, Minor Grading, Property has public sewer and water.

Paul Archer, Archer Surveying and Bob Russo represent the applicant. The proposed is a small lot in the R-10 zone which is supplied by sewer and water off of Proulx Street. The wetlands were flagged on the westerly side of the property which is not on the property. Bob Russo flagged the wetlands. Everything proposed is in the upland review area, nothing in the wetlands. There will be silt fence placed at the southerly and westerly line of the development. Two raised ranches will be constructed with driveways on Proulx Street. There is public sewer and water. Mr. Archer reviews Syl Pauley, P.E. comments which are 95 % referenced to PZC not wetlands.

Bob Russo stated there is drainage discharge from the street behind the site to the west that drains into wetlands that continues southward. This is the upper beginning of the wetlands where it happens to be fed by stormwater drainage.

Ms. Washburn asked what stream to the west does the water in the pipe originates from? Mr. Archer stated it comes down from Robert Street.

Chairman Arends asked if the lot is flat? Mr. Archer stated that is correct, there is a slight slope coming off Proulx St, but the majority is pretty flat.

Mr. Sorrentino asked what is the source of topographic that CLA engineering is designing upon? Mr. Archer stated it is hand drawn topo. Mr. Archer will note it as a T2 topo survey. Mr. Sorrentino stated that would be helpful.

Chairman Arends asked Ms. Washburn if she has been out to the site. Ms. Washburn stated she has been to the property and her inspection report was given at last month's meeting. The closest wetlands are flagged.

Mr. Sorrentino asked Mr. Russo if he feels the adjacent wetlands will be adequately protected? Mr. Russo stated that is correct.

Ms. Washburn commented that an abutter may be at tonight's meeting and may wish to comment.

Mr. Sorrentino asked how far away the wetlands to the closest house on Lot 85-2? Mr. Archer did not have a scaled plan in front of him, but he guesses it to be 40 to 45 feet. Mr. Sorrentino asked what is the precedent for allowing residential house within 40 ft of inland wetlands? Chairman Arends commented it is done by a case basis.

Mr. Paquin voiced his concern with regards to moving the house. Discussion ensued.

Mr. Archer is willing to move the house.

Judith Burke, 15 Robert Street: she is concerned with regards to opening up a driveway on her property on Robert Street. Also, there is no sewer line on Robert Street only a manhole cover, not functioning. Syl Pauley's, Town Engineer report item 1, sheet 2 is reviewed. Discussion ensued.

Ms. Washburn asks Mr. Archer to address Syl Pauley's report, Sheet 1 of 2, Lot 85-2 does not meet requirements of R-10. Mr. Archer stated 50 ft is required for a rear lot Discussion ensued.

Judith Burke, 15 Robert Rd: Asked how far away the property line can be from the wetlands? Mr. Sorrentino discussed with Ms. Burke the moving of the house away from the wetlands.

Further discussion ensued with regards to Robert Street and Kenneth Street considered a paper street.

Mr. Brindamour asked if it would be possible to see more wetland flags on the plans? Mr. Archer stated that Mr. Russo could do this, however, it is not on the applicant's property. Mr. Brindamour asked for clarification on Mr. Pauley's comments on sheet 2 of 2 note 12, about the mound and water run off there. Mr. Archer stated it is a relatively flat site.

Judith Burke, 15 Robert Street – she has no objections to add more flags to the wetlands on her property. Mr. Russo discussed flags that are placed on the site. Discussion ensued.

Chairman Arends asked which commission members would like to see the house moved further to the north? Mr. Paquin, Mr. Brindamour, Mr. Sorrentino are all in agreement.

A motion was made by Jim Paquin to approve application 041321C A. Kausch & Sons, 53 Proulx Street, Map 41, Lot 85, R-10 Zone; Division of Property, Single Family Homes, Driveway, Minor Grading, Property has public sewer and water with standard IWWC conditions and with the covenant that lot 85-2 will have the house moved north northeast approximately 15 to 25 feet to the extent feasible away from the wetlands. Adam Brindamour seconds. No further discussion. All in favor. The motion passes unanimously.

3. 041321D A. Kausch & Sons, Pomfret Landing Road/Church Street, Map 37, Lot 17, and Map 37, Lot 20 and 21, wetlands crossing for driveway, 2 residential homes, septic system, well, minor grading.

Paul Archer represents the applicant along with Bob Russo from CLA Engineers. This wetlands crossing was discussed at last month's meeting. Mr. Archer states they suspect a public hearing will be scheduled due to the 3,600 sq. ft. filling of wetlands. Mr. Archer suggests scheduling a site walk.

Mr. Paquin asked if the wetlands north of driveway area in the 4 lots, can this be digitized on plans? Mr. Archer will comply with this request. The subdivision was done by Provost and Rovero.

Mr. Sorrentino asked Mr. Archer to explain how the lots came to be shaped like they are in the current configuration. Mr. Archer stated as it existed there were three lots, lot 21, 20 and 17. There were three separate tracks of lands, three separated deeded parcels of land. They did a boundary line modification which gave a 50 ft strip on the northerly part of lot 20 and 21 gave it to lot 17. From lot 17 it is entitled to a free split that is where they are getting the two lots on 17 as split. It started out with three parcels and ending up with four parcels of land. Mr. Archer also stated lot 17 has frontage on Pomfret Landing Road. Mr. Russo went out to the site. There is a huge wetland watercourse and no chance of a crossing from Pomfret Landing Rd.

Mr. Sorrentino noticed in Mr. Russo's report that there are considerable wetlands within the access strip out to Pomfret Landing, but it is not shown on map, was this flagged? Mr. Russo did not flag that wetlands, he flagged wetlands on site, but it did not continue over there. Mr. Russo stated they can provide it. Mr. Russo stated the property map shows a narrow access strip that could go through there from that side but would be confined from that angle to cross the wetlands and work on either side. The elevation changes are dramatic there between the upland and wetlands. As indicated in the letter, his feeling is that would result in a greater wetland impact to a more significant wetland system. This was not delineated. Mr. Russo walked the site with Mr. Archer, took auger samples to know where the wetland boundaries are. Mr. Russo will provide any data that the Commission is looking for. (see report). Discussion ensued.

Mr. Brindamour asked is all the fill from wetlands along the driveway? Mr. Archer stated that is correct. Mr. Brindamour would like a site walk.

Mr. Sorrentino asked where the source of the topography was taken from? Mr. Archer stated the topography was taken from CT system, and verified in the field, it was not all hand topography. Mr. Sorrentino asked were the areas of the crossings topo'd? Mr. Archer stated they were just verified. Mr. Sorrentino asked if the design engineers comfortable using that information for three separate crossings? Mr. Archer stated yes.

Mr. Sorrentino asked if there are culvert crossing marking the locations in the ground? Mr. Archer stated it is obvious where they are, but can stake them out, 1, 2, 3. The wetland flags are out there. Ms. Washburn stated it would be helpful to place stakes for clarification.

A motion was made by Demian Sorrentino that the potential filling of 3,600 sq. ft. is a significant activity and to schedule a site walk for Monday, May 17, 2021 at 6:30 p.m. and schedule a public hearing on Tuesday, June 8, 2021 at 6 p.m. Jim Paquin seconds this motion. No discussion held. All in favor. The motion passes unanimously.

4. 060920A Paul R. Lehto, Allen Hill Road, Map 32, Lot 148, RA Zone; Wetlands filled in violation of permit.

No one is present to represent Mr. Lehto. Ms. Washburn brings the Commission up to date on the progress. Mr. Lehto hired Joe Theroux to oversee the required restoration work. (see attached) They have installed double staked hay bales, removed the loam, seeded and mulched. Ms. Washburn stated they achieved the compliance the Commission was looking for. They are also re-installing silt fence in rear of the property. Ms. Washburn reminded the Commission that

when at a site walk, it is not the time to ask or tell an applicant to do work. Members are to come back to the next meeting and talk about it as a Commission. Chairman Arends reminded members that it is considered a meeting, but it is an information gathering event.

Chairman Arends stated he read Ms. Washburn's report. He asked if there is something else that has not been done yet on the driveway area? Ms. Washburn stated it is part of the PZC violation. The road was widened in the upland review area beyond what was shown on the plan. Ms. Washburn addressed this through the PZC violation. Ms. Washburn has issued an order to remediate, and Mr. Lehto has come into compliance.

Ms. Washburn commented that the PZC Commission rescinded and revoked the gravel special permit last week.

5. Terrance M. Veazie, Violation of Inland Wetlands Regulations for 117 Tatnic Road; Permit Transfer 121107A George Forson approved November 21, 2017.

Bruce Woods, KWP Associates represents Mr. Veazie. As reported at last month's meeting the stone check dam was in place and the surrounding landscaping stabilized. The Commission wished to wait a month to see how this was performing. Neighbor, Mr. Szarkowicz submitted some photographs showing some suspended siltation in the water. Mr. Woodis suspects that this came from dust on the stone that was placed in the check dam. Mr. Woodis went out on number of occasions and went on 4/21/21 in the rain and took videos and pics and no such sedimentation was encountered, the check dam was performing beautifully. Mr. Veazie also sent Woodis other photos as well.

Ms. Washburn has not been to the site before Mr. Woodis was there.

Mr. Szarkowicz commented that there was some silt from the stone during one storm. He did not see anything from the last storm. The check dam appears to be working. Mr. Szarkowicz questions if the seeding and matting are growing?

Mr. Woodis stated it is a bit early for substantial germination, he has not been out there in the last week. It has only been 4 weeks since the seed and matting has been put down. Within the next couple of weeks there should be substantial progress.

Chairman Arends polls Commission to lift the cease-and-desist order. Discussion ensued. All members are in agreement.

A motion was made by Jim Paquin to lift the cease-and-desist order issued to Terrance Veazie for violation of inland wetlands regulations for 117 Tatnic Road, permit transfer 121107A George Forson approved November 21, 2017. Demian Sorrentino seconds this motion. No discussion held. All in favor. The motion passes unanimously.

Mr. Woodis thanks the Commission for their patience and understanding. Mr. Szarkowicz thanks the Commission for their diligence.

New Business:

1. 181 Paradise Drive – Shane O'Connor. Show Cause Hearing for wetlands violation.

Attorney S. Weiner represents Mr. Shane O'Connor. Attorney Weiner read the notice, spoke with Mr. O'Connor, and also spoke with Ms. Washburn. Mr. O'Connor owns the building and land which is subject to Inland Wetlands. Attorney Weiner recommended to Mr. O'Connor anytime he wishes to do work he should be in contact with Ms. Washburn to see if it requires a wetlands permit. Mr. O'Connor put down some traprock and had some idea to spread loam out. There will be no more trees or scrub cut down until he speaks with Ms. Washburn to see if a permit is required.

Chairman Arends asks Mr. O'Connor if he has any plans for the property, to have them drawn out and bring in with an application. Mr. O'Connor understands.

Ms. Washburn recommends the Commission do a site walk, then regroup and have Mr. O'Connor present at next month's meeting.

Mr. Sorrentino asked the Commission if they feel it prudent to hire soil scientist to see what the activity is within the wetland and upland review area, Ms. Washburn agrees with this. Discussion ensued.

Chairman Arends asked Mr. O'Connor to have the wetlands delineated so they know the amount of any disturbance. Ms. Washburn can help Mr. O'Connor with the name of a soil scientist.

Members discussed setting up a site walk. Members agreed to have the wetlands delineation ready before a site walk is scheduled. Mr. O'Connor has 4 weeks to get the delineation done. Next month's meeting is June 8, 2021. Chairman Arends suggested that Mr. O'Connor notify Ms. Washburn once this is completed so a site walk can be scheduled.

Ms. Washburn is on vacation May 20th through May 31st. Attorney Weiner will be in touch with Ms. Washburn with regards to soil scientist recommendation.

2. Brown Road, Map 34, Lot 31 – Jared Chviek. Show Cause Hearing for wetlands violation.

Jared Chviek, 95 Wauregan Rd, property owner is present at cause hearing. Mr. Chviek is currently renting land in Woodstock for his seven cows and would like to move them to the property on Brown Road as an agricultural use. Mr. Chviek discusses Ms. Washburn's photographs. Mr. Chviek is cleaning up downed debris, chipping it up. There has been no new materials hauled in or foreign materials. He is not looking to build on the property.

Chairman Arends asked Mr. Chviek if he was using the property as an agriculture purpose. Mr. Chviek stated yes sir. Chairman Arends asked if he was cutting down trees? Mr. Chviek stated minimal trees, none yet, mostly brush. Chairman Arends asked him what kind of equipment is he

using? Mr. Chviek stated a chain saw, clippers, putting scrub brush through the chipper. He owns a 33 horse and 24 horse bucket tractor which has not been to the site yet.

Chairman Arends commented that an agricultural use is as of right and you are permitted to do that. If you are getting into a wetlands, the Commission would like to be sure the work is being done correctly. Mr. Chviek stated yes.

Mr. Brindamour asked how large is the parcel? Mr. Chviek stated 27.35 acres.

Mr. Sorrentino stated he does not think it has been delineated yet, but significant portion of property is wetlands per aerial. Discussion ensued.

Mr. Sorrentino stated property owners have right to cut trees and clear vegetation. Chipping and depositing in wetlands is questionable. Cutting trees down and leaving it whole in wetlands is not considered fill. Mr. Chviek asked if he is allowed to put chips in the back of a truck and haul it out. Mr. Sorrentino stated this is okay as long as you do not uproot the tree mass and destroy soil. Mr. Chviek's stated his main reason he bought the property was for the agricultural rights.

Chairman Arends asked Ms. Washburn how this came before the Commission. Ms. Washburn commented a complaint came in from Mrs. Hawes. Ms. Hawes was concerned that Mr. Chviek would make trails for motorized vehicles. Ms. Washburn stated Creamery Brook runs through the property, and most of the property is wet. The access point is in the wetlands. There are uplands on site where an entrance point can be made to establish the pasture. Utilizing the uplands on site to start would be easier and not necessarily a regulated activity. Ms. Washburn would like Mr. Chviek to tell the Commission what his plans are and keep them informed with what he wishes to do to alleviate the concerns with complaints. The Commission is charged with protecting resources. Discussion ensued.

Mr. Chviek has had problems with the neighbor trespassing on his property. Discussion ensued.

Mr. Sorrentino suggests that Mr. Chviek come up with a plan and submit to Ms. Washburn so there is an idea what areas are proposed to be cleared. Mr. Paquin suggests to Mr. Chviek to show what the intent is and advise the Commission. Mr. Paquin would like to lift the cease-and-desist order at this time. Mr. Paquin advises Mr. Chviek as he progresses with the project that he advise the Commission of the plan. Chairman Arends agrees.

Chairman Arends asked that wood chips not be put into wetlands, move them out to upland areas or truck them out. Ms. Washburn stated driving motorized equipment will make a mess. Chairman Arends recommends no big vehicles in the wetlands. Discussion ensued.

A motion was made by Jim Paquin to remove the cease-and-desist order for Brown Road, Map 34, Lot 31-Jared Chviek. Demian Sorrentino seconds this motion. No discussion held. All in favor. The motion passes unanimously.

3. 35 Kara Road – Deborah Love. Show Cause Hearing for wetlands violation.

Technical difficulties ensued.

A motion was made by Jim Paquin to swap item #4 to #3 under new business due to technical difficulty with item #3. Rich Oliverson seconds this motion. No discussion held. All in favor. The motion passes unanimously.

3. Request for Jurisdictional Ruling: 4-Lot Subdivision prepared for CNG Holdings, LLC, Day Street, Map 42, Lot 31 and Map 42, Lot 32.

Paul Archer, Archer surveying represents CG Holdings, LLC. This is a 4-lot subdivision on Day Street. Joe Theroux went to the site and submitted a letter that stated there are no wetlands on the site that requires a jurisdictional ruling from the Wetlands Commission. Discussion ensued. Commission members agree that the letter from Joe Theroux satisfies the Commission requirements. (see attached)

4. 35 Kara Road – Deborah Love. Show Cause Hearing for wetlands violation.

Lester Phillips, 35 Kara Rd, is present for Deborah Love for the cause hearing. Mr. Phillips was a former wetlands commission member. The whole property sits on old gravel bank. The house is located on Kara Road and sits 125 feet up. The front of the house is 230 feet from the pond down below. For the last 15 years they have been cleaning out the property. Mr. Phillips gave a detailed summary. Mr. Phillips had 10 truckloads of free gravel brought in from Big Y to fill in the top of the property. Mr. Phillips notified the neighbors of this and also notified truck drivers to drive slowly.

On 4/22/21, Mr. Phillips found a woman in his yard who introduced herself as Margaret Washburn, Wetlands Agent. She presented him with computer generated letter stating cease and desist order. There was no notarization, no certified seal, it was printed and copied. Ms. Washburn insisted on seeing the rest of the property and take pictures. Mr. Phillips stated she did not have permission to enter the property. Ms. Washburn told him if he does not comply with the cease-and-desist order there would be serious consequences. Mr. Phillips stated there is proper procedure to notify a person of a violation. The person should be first notified by telephone, a visit set up and a certified letter sent with the appointment date. Mr. Phillips voiced his frustration and concerns with the way he was notified. Mr. Phillips reads the Trespass Law 53-109. Mr. Phillips is taking care of his ill wife and with the corona virus has to be very careful. Mr. Phillips was notified of the Wetlands WebEx meeting by Ms. Washburn and asked to attend.

Mr. Phillips stated that a neighbor complains several times a week. The property is in the RA Zone. Mr. Phillips gave a history of the property and his efforts over the years of cleaning it up. There is no machinery being run near the wetlands. He stated that if it needs a wetlands permit, he will gladly get one. He will have Archer Surveying draw up a plan if necessary.

Chairman Arends asked if everything down below was there when the house was purchased? Mr. Phillips discusses the property history at length.

Chairman Arends asked if the gravel brought in was from Big Y and hauled to his home? Mr. Phillips stated it is hard pan gravel that was brought in. There is a slant in the front yard going down and he is trying to beef it up with the fill.

Chairman Arends asked if it was the goal to bring in the gravel in to level out the area? Mr. Phillips stated yes. He would like to create a level area to stack cordwood.

Chairman Arends asked if there is recreational use around the pond area? Mr. Phillips stated he is done with the work around the pond, he will throw down some seed.

Mr. Paquin would like to schedule a site walk with the permission from the landowner. Mr. Phillips has no problem and requests that members present wear masks.

A site walk was scheduled for Friday, May 28, 2021, at 1 p.m. Members are to meet at the site. Mr. Phillips gives Commission Members permission to enter the property.

Ms. Washburn asks Mr. Phillips to attend next month's meeting June 8, 2021 for discussion of the site walk. Chairman Arends agrees.

5. 051121A Spiro Haveles, 159 Day Street, Map 42, Lot 43, R-30 Zone; Inground pool with grading in upland review area to a watercourse.

Paul Archer, Archer Surveying represents Spiro Haveles. Mrs. Haveles is in attendance. In March of 2019 the Haveles purchased a cabin on the Cliff Green property. The Haveles remodeled the cabin and would now like to install an in-ground swimming pool. There is grading near the edge of pond, the bank is stabilized. They are looking for an agent approval. They have NDDH approval.

Chairman Arends asked Ms. Washburn if she has been out to the site. Ms. Washburn stated a lot of fill was put there without being told ahead of time, it is all there now.

Mr. Paquin asked Ms. Washburn if it has created a problem? Ms. Washburn stated she does not think so, the drainage pipe by the pond outlet is to be stabilized. Mr. Archer shows some 2x2 inch modified rip rap at the outlet. Mr. Archer answered yes, it will be loamed and seeded.

Mr. Paquin asked if there is going to be a fence around the pool as a required barrier? Ms. Haveles stated there will be a wrought iron looking fence.

Mr. Paquin asked if there will be a pool house between pool and pond? No per Ms. Haveles.

Mr. Sorrentino asked how close to the pond has the fill been placed? Mr. Archer estimates 20 feet. Mr. Paquin commented that this creates a 3:1 slope.

Mr. Sorrentino asked why was that done in advance to getting the permit? Ms. Haveles does not have a good answer for that but knows now there should have been a permit.

Mr. Paquin asked is the proposed contour what is there now? Mr. Archer stated the original contour is the fill going in, the proposed is what they are doing to make with the 3 to 1 slope. Discussion ensued.

Mr. Paquin asked if the silt fence was still in good shape? Mr. Archer stated yes.

A motion was made by Jim Paquin to approve as duly authorized 051121A Spiro Haveles, 159 Day Street, Map 42, Lot 43, R-30 Zone, Inground Pool with Grading in Upland Review area to a Watercourse with IWWC standard conditions. Adam Brindamour seconds the motion. Discussion held.

Mr. Sorrentino commented that the definition of fill within upland review requires permit in advance before placing the fill. Chairman Arends agrees.

Vote taken: All in favor. Demian Sorrentino abstains. The motion passes.

Communications:

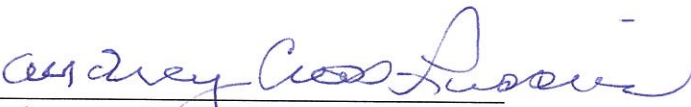
1. Wetlands Agent Monthly Report:

Ms. Washburn stated that Pierce Care has done a beautiful job with the sewer line replacement.

2. Budget Update: Reviewed.

Public Commentary: None.

Adjourn: A motion was made by Adam Brindamour to adjourn the meeting at 8:45 p.m. Jim Paquin seconded this motion. No discussion held. All in favor. The motion passes unanimously.



Audrey Cross-Lussier
Recording Secretary

NORTHEASTERN CONNECTICUT COUNCIL OF GOVERNMENTS

ENGINEERING PLAN REVIEW PERTAINING TO A 2-LOT RESUBDIVISION (ASSESSOR'S MAP 41, LOT 85) 40 ALMADA DRIVE BROOKLYN, CT (May 3, 2021)

The comments contained herein pertain to my review of plans for a proposed 2-lot residential resubdivision located at 40 Almada Drive in Brooklyn, Connecticut, consisting of ten (10) sheets, prepared for Paul R. Lehto by Archer Surveying, LLC and CLA Engineers, dated November 13, 2020 and March 31, 2021, respectively. Comments pertain to both wetlands and planning and zoning regulations.

Sheet 2 of 10 – Existing Conditions Plan

1. A “north arrow” is missing in the Location Map.
2. Note No. 3 under “Notes” states that “topographic information was obtained by actual field measurements, datum assumed.” The note needs to define the accuracy that the topographic survey meets and who performed the survey.
3. The wetlands delineations on the plan have been certified as being delineated by R.C. Russo with his “signature” on the plan. When did Mr. Russo flag the wetlands as no flags were visible from Paradise Drive for the 7-X line when a site visit was made on April 30, 2021?
4. Since this plan was prepared November 13, 2021, has the abutter’s list been verified as being accurate as of May 3, 2021? Why have abutters on the west side of Paradise Drive opposite the land being resubdivided been omitted (see subparagraph 2.10 under Section 4.2 of the Brooklyn Subdivision Regulations)?

Sheet 7 of 10 – Lot Development Plan Lot 1 & Lot 2

1. On April 30, 2021 the reviewer visited Paradise Drive where the driveway for Lot 2 will be located and found the following conditions:
 - A deep swale along the edge of Paradise Drive with running water, several inches deep, coming from a southerly direction.
 - Bare earth banks on the property side of the swale exhibiting active weeping of groundwater no more than 24” below existing ground.

Considering these observed conditions, the proposed paved driveway needs careful consideration with respect to the proposed cuts that remove more than 24" of existing soil to form new slopes

2. There is no indication on the plan for the conveyance of water in the existing Paradise Drive swale to pass under the apron of the proposed driveway. This needs to be evaluated with drainage calculations submitted for review.
3. Due to the steepness of the Lot 2 driveway gradient and it also being paved, formal drainage swales with velocity attenuators need to be located along both edges of the driveway from Elevation 242 down to Paradise Drive. This is to help guard against degradation of the existing drainage swale, especially during heavy rainfall events. A construction detail is also required.
4. It is not apparent from looking at the plan how soil erosion and sediment transport from driveway construction will minimize sediment transport to the Paradise Drive drainage swale and underground drainage system. This needs an explanation.
5. The straw barrier shown along the edge of Paradise Drive where the driveway is located will not protect the existing swale from accumulating sediment. It needs to be moved to the property side of the swale. In fact, compost/silt socks would be a better choice for this application.

Sheet 8 of 10 – Stormwater Management Plan and Erosion & Sediment Control Details

1. References to CT DOT Form 817 is to be changed to the current Form 818 designation.
2. Note 2 under "Post Construction" it is stated that the *"Proposal is for the Town of Brooklyn to accept Almada Drive Extension as a town road that will be incorporated into the town MS4 Operations and Maintenance Program."* First of all, a designation of the Almada Drive Extension cannot be found on any plan submitted for review. Secondly, has this statement been agreed to by town staff and will the citizens of Brooklyn be the deciding body on whether or not this becomes a town road? If a privately owned road, MS4 can still be observed by its responsible party(s). This note needs an explanation as to why it appears here.

Syl Pauley, Jr., P.E.

By: _____

Syl Pauley, Jr., P.E., NECCOG Regional Engineer

NORTHEASTERN CONNECTICUT COUNCIL OF GOVERNMENTS

ENGINEERING PLAN REVIEW PERTAINING TO A 3-LOT SUBDIVISION (ASSESSOR'S MAP 41, LOT 85) PROULX STREET BROOKLYN, CT (April 30, 2021)

The comments contained herein pertain to my review of plans for a proposed 3-lot residential subdivision on Proulx Street in Brooklyn, Connecticut, consisting of two (2) sheets, prepared for A. Kausch & Sons by Archer Surveying, LLC and CLA Engineers, dated February 4, 2021 and April 28, 2021, respectively. Comments pertain to both wetlands and planning and zoning regulations.

Sheet 1 of 2 – Division of Property Plan

1. The frontage for proposed Lot 85-2 does not meet the requirements put forth in the R-10 Zoning category. The plan shows that the frontage along Proulx Street is only 50' and not the required 75'.
2. The "Zoning Compliance Table" incorrectly shows "Frontage Setback" as 75', which is incorrect. It should be revised to reflect a measurement of 35'.

Sheet 2 of 2 - Site Plan & Grading

1. Proposed Lot 85-1 abuts Robert Street, a public street, which indicates that west property line is "frontage" on a public street and not a "rear" lot line. The plan indicates that the setback distance is a "rear setback" at 15' rather than a "front setback" of 35'. This discrepancy needs clarification and if in fact the "rear" line is a "front" line, the house footprint (with deck) must be moved to the east out of the setback area.
2. Proposed Lot 85 and 85-1 abut a recorded platted street (Kenneth Street) not yet constructed. Even though there isn't a paved street within this public recorded right-of-way, should the proposed north property lines be considered frontage and the building setback line changed to meet the 35' zoning requirement?
3. Any reference to the CT DOT Form 816 shall be changed to the current Form 818.
4. The "Trench Detail: Sanitary Sewer" and "Typical Service Pipe Trench Detail" need to show detectable warning tape over conduits that are manufactured from non-ferrous material.
5. A "north arrow" is missing in the Location Map.

6. The side slopes in the "Typical Driveway Cross Section" are shown to be 2:1 and must be changed to 3:1.
7. No reference whatsoever is made as to the accuracy of the topographic elevation portion of the survey. This is of a concern because field observations seem to indicate steeper elevation changes from the Proulx Street edge of pavement into the property (estimated to be 4'-6' below grade) and no surface mounding (see elevation 226 on the plan) was observed adjacent to the southeast corner of Lot 85 as indicated on the plan. This inconsistency needs explaining.
8. Due to the steep change in grade from the shoulder of Proulx Street into the property, the "Residential Driveway Section Details" from the Brooklyn Public Improvement Specifications need to be included in the plan set. Also, provision shall be made for surface water drainage from up-gradient properties to be able to pass freely under any portion of land that is filled to accommodate a driveway to meet the public improvement specifications if the land shall be so impacted so as not to cause ponding.
9. Paved driveway aprons per the "Brooklyn Public Improvement Specifications" are not shown on the plan.
10. The building sewer line to the main in Proulx Street is called out as having a 1% slope (gravity). Considering the proposed first floor elevations and approximate sewer main elevations in the street, it appears that the building sewers at both proposed houses would be exiting the house foundation about 24" below the first floor for each house. Is that practical, considering that residents with such an arrangement would find that arrangement awkward if these houses are built with a full basement and they chose to place water using appliances in their cellar that require a discharge line?
11. Was any consideration given to connecting to the sanitary sewer line in Robert Street?
12. Why isn't the mound (Elev. 226) near the north east corner of the proposed house on Lot 85-2 being eliminated instead of being enlarged as shown on the plan? This needs to be eliminated to improve surface water runoff across the lot and lessen the impact to the house. In the field this looks like nothing more than a pile of accumulated debris.
13. Existing Elevation 226 crossing the proposed driveway on Lot 85-2 has not been shown correctly as a proposed Elevation 226 crossing the driveway and reconnecting to the existing 226 contour near the east property line. This needs correcting.
14. The proposed fill slope opposite the middle of the house footprint on Lot 85-1 needs to reflect a 3:1 (max) slope. As drawn, is a 2:1 slope.
15. Why are so many of the old iron pipe property markers found so far off the Archer Surveying, LLC property lines shown on this plan?
16. Two puddles of water were observed on the ground on April 30, 2021 and May 1, 2021 by the reviewer, located approximately 20-30 feet south of the southeast corner of the existing garage and

about 10 feet north of the northeast corner of the house. Has this area been looked at for evidence of wetlands soils and presence of groundwater near the surface of the property?

17. No test pit information is included with the plan to determine the presence of any groundwater, seasonal high groundwater (mottling) or ledge. Test pits need to be dug due to the close proximity of the wetlands to the rear of the property and the puddles that were observed during the site visits.
18. Additional wetland delineation is needed to the north of WF#1 in order to better define the 125 wetland review area for proposed Lot 85-2.
19. The soil scientist's signature block is missing on this plan certifying the wetland flag line.

Syl Pauley, Jr., P.E.

By: _____

Syl Pauley, Jr., P.E., NECCOG Regional Engineer

CLA Engineers, Inc.

Civil • Structural • Survey

317 MAIN STREET

NORWICH, CT 06360

(860) 886-1966

(860) 886-9165 FAX

April 7, 2021

Inland Wetlands Commission
Town of Brooklyn
69 South Main Street
Suite 22
Brooklyn, CT 06234

RECEIVED

MAY 03 2021

RE: CLA 6802
A. Kausch and Sons
Proulx Street Brooklyn

To the Commission:

CLA Engineers was retained by A Kausch and Sons to delineate off site wetlands proximal to the parcel of land shown on the plan prepared by Archer Surveying LLC titled " Site Development Plan Prepared for A. Kausch & Sons Proulx Street, Brooklyn, Connecticut, 1 sheet, scale 1"=20' April 1, 2021. Robert C. Russo C.S.S. delineated the wetlands in March of 2021 per the definition in CGS section 22a.

Based on the existing conditions and proposal development CLA believes that placement of a silt fence barrier, on site, between the proposed development and the inland wetland will be adequately protective of the off-site wetland. The on-site slopes are nearly level and the soils are coarse textured thus the potential for erosion is very low.

Please contact me with any questions.

Very truly yours,

Robert C Russo

Robert C. Russo
Soil Scientist

CLA Engineers, Inc.

Civil • Structural • Survey

317 MAIN STREET

NORWICH, CT 06360

(860) 886-1966

(860) 886-9165 FAX

May 3, 2021

Inland Wetlands Commission
Town of Brooklyn
69 South Main Street
Suite 22
Brooklyn, CT 06234

RECEIVED

MAY 03 2021

RE: CLA 6639
Subdivision
Church Street Brooklyn CT

To the Commission:

CLA Engineers was retained by A. Kausch & Sons LLC to conduct a wetlands investigation and functional assessment on the parcel of land, located on Church Street in Brooklyn CT that is proposed to be developed for a residences. The approximate site location is shown on the cover sheet of the site plans. The purposes of the investigation were to: establish the wetland delineation, provide background data in the form of determining wetland functions, and assess the potential for wetland impacts due to the proposed development.

Wetlands were delineated by Robert Russo of CLA Engineers according to the State of Connecticut statutory definition as described in Section 22a of the State Statutes. CLA conducted field work in October of 2020 and March of 2021.

After wetland delineation was complete, the wetland resources of the site were surveyed by conducting a deliberate walk through of the site, traversing each wetland in order to collect data characteristic of that wetland. During the walk through, vegetation identifiable was noted, and described.

Site Setting

Much of the site had been used for agriculture up until the 20th century as demonstrated by abundant stone walls. The presence of numerous Japanese barberry (*Berberis thunbergii*) indicates that the site was likely used for cattle grazing in the past as this plant is ignored by cattle and soon takes over. The site currently has two vegetative cover types that were established after farming ceased. Both cover types, wooded upland and wooded swamp, are dominated by mixed hardwoods.

The areas of upland have mixed hardwoods such as red maple, red oak, white oak, black cherry and black birch. The wetlands are dominated by red maple trees with other species such as yellow birch and pin oak in lesser numbers.

The land uses surrounding the site include residential, agricultural and woodland. The residential development is primarily located to the north and south along Church St and to the west along Pomfret Landing Rd. Undeveloped farmland and woodland also occurs surrounds the site to the north, west and south.

Throughout the site slopes vary from moderate to nearly flat. The surface water drains both south westward and south eastward off of the site.. The slopes on the east and west side of the site are gentle at the edge of the wetland and are not prone to erosion.

Surficial Geology and Soils

Southern New England was overlain by glacial ice as recently as 12,000-15,000 years ago. The materials that the glaciers deposited over top the local bedrock determine the surficial geology of the region and of the site. Connecticut's glacial deposits are generally divided into three categories: glacial till (un-stratified sand, silt and rock), glaciofluvial (water sorted, stratified sand and gravel), and glaciolacustrine (stratified sand, silt and clay that settled out in lakebeds). Only glacial till is present on the site of the proposed residences. soils formed in till deposits typically have sandy loam to silt loam textures and in this case they are the coarser, sandy loams. The slopes are moderate to flat throughout the site and this leads to differences in soil mapping classification as listed by the NRCS.

Table 1 is a summary table of the soils found on the site.

Table 1 - Soil Types and Properties at the Church Street Site

<u>Soil Series</u>	<u>Parent Material</u>	<u>Drainage Class</u>	<u>Texture/Characteristics</u>
*2 Ridgebury	Glacial Till	Somewhat poorly to very poorly drained	Stony sandy loam
61 Canton and Charlton	Glacial till	Well drained	Sandy loam
46 Woodbridge	Glacial Till	Moderately Well Drained	Sandy loam

* Wetland soil types

Wetland Descriptions and Functions

In the area of the proposed development there is a wetland system that occupies a broad lowland that stretches from Church Street north westward. The wetland itself varies from approximately 100 to 400 feet wide. It is nearly level but has hummocky micro-topography. Under the USFWS system is a palustrine deciduous swamp (PF01) that is seasonally flooded/saturated. This designation reflects its vegetation which is dominated by mature trees, and its hydrology which has shallow standing water in the winter and after storm events. The wetland lacks standing water in the summer and was not found to contain a perennial stream or vernal pool.

The typical vegetation of the wetlands includes: trees such as red maple trees and saplings, yellow birch trees and saplings; shrubs such as Japanese barberry, spice bush, highbush blueberry, winterberry holly, sweet pepperbush, clammy azalea, alder and plants such as skunk cabbage, cinnamon fern, sphagnum, royal fern, and sensitive fern.

The principle functions of this wetland system are typical to local red maple swamps and the wetland is generally undisturbed with an undisturbed wooded upland buffer. The CTDEEP NDDB (December 2020) shows no known habitat of threatened, endangered or special concern species.

The functions were found to include:

- Wildlife habitat
- Floodwater retention/detention
- Groundwater recharge/discharge
- Biomass production export
- Aesthetics

These values associated with the wetland and are supported by several important features of that wetland:

- Areas of undeveloped buffer
- Limited development within the watershed
- Evidence of use by a diversity of wildlife species.

Potential for Impacts

As shown on the project plans there are proposed activities in the inland wetlands. Three wetland crossings are proposed for the driveway that will provide access to the two houses. These activities are limited to impacts necessary to provide the driveway and are purposed

located in the narrowest reaches of wetland in order to minimize impacts. This lot has significant developable area that cannot be accessed without wetland impacts. The width of the driveway has been kept to the minimum required and the use smaller diameter culverts assists in keeping the elevation of the driveway low, minimizing the side slopes needed for the crossing. CLA believes that the proposed driveway crossing is the most feasible and prudent alternative.

As shown on the plans, work in the wetland will include:

- Clearing and grading
- Construction of driveways and placement of culverts
- Installation of erosion and sedimentation controls
- Construction of utilities

The activities in the wetland have been minimized in order to limit wetland disturbance.

As shown on the plans, work in the upland review zone will include:

- Clearing and grading
- Construction of driveways
- Installation of erosion and sedimentation controls
- Construction of utilities

These activities in the upland review zone present limited potential for wetland impacts. The site has only moderate slopes and short length of slope. CLA believes that the Best Management Practices (BMPs) measures shown on the plans for erosion and sediment control and storm water management will be adequate in preventing wetland impacts if properly installed and maintained.

CLA notes that in order to minimize the potential for impacts to wetlands, the E&S has been designed in compliance with the CTDEEP 2002 E&S Manual.

Alternatives

CLA examined alternative to the proposed wetland crossings. Note that the property has frontage on Pomfret Landing Rd, which could be used to gain access via a driveway, but wetland impacts would also be required. CLA conducted a field to determine the feasibility of a driveway crossing walk of this location. CLA determined that a driveway crossing in this location is not the most feasible and prudent alternative based on the following observations.

1. The wetland that would have to be crossed has a perennial stream, indicating that is a more valuable wetland than those to be impacted by coming off of Church Street.

2. The wetland to be crossed is 12 to 14 feet lower in elevation than the access strip off of Pomfret Landing Rd. This would necessitate a wide wetland fill to accomplish the crossing.
3. The wetland to be crossed is over 100 feet wide and continues, north and south, as a wildlife travel corridor. This characteristic is lacking in the wetlands that would be disturbed by gaining access from Church Street.
4. Due to the width of the wetland and elevation change, present, a wetland crossing at the Pomfret Land access would create a substantial fragmentation of the wetland and reduce its habitat values significantly. This would not be the case with the Church Street access.

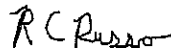
Based on these field observations, CLA believes that the proposed wetland crossings represent the most feasible and prudent alternative.

Summary

The proposed development activities will directly impact wetlands. The work in the upland review zone can be managed with BMPS so as to not impact wetlands during construction. In summary, if the proposed erosion and sedimentation control measures are adhered to, CLA believes that the wetland impacts will be limited to what is necessary to provide a driveway for the building lost.

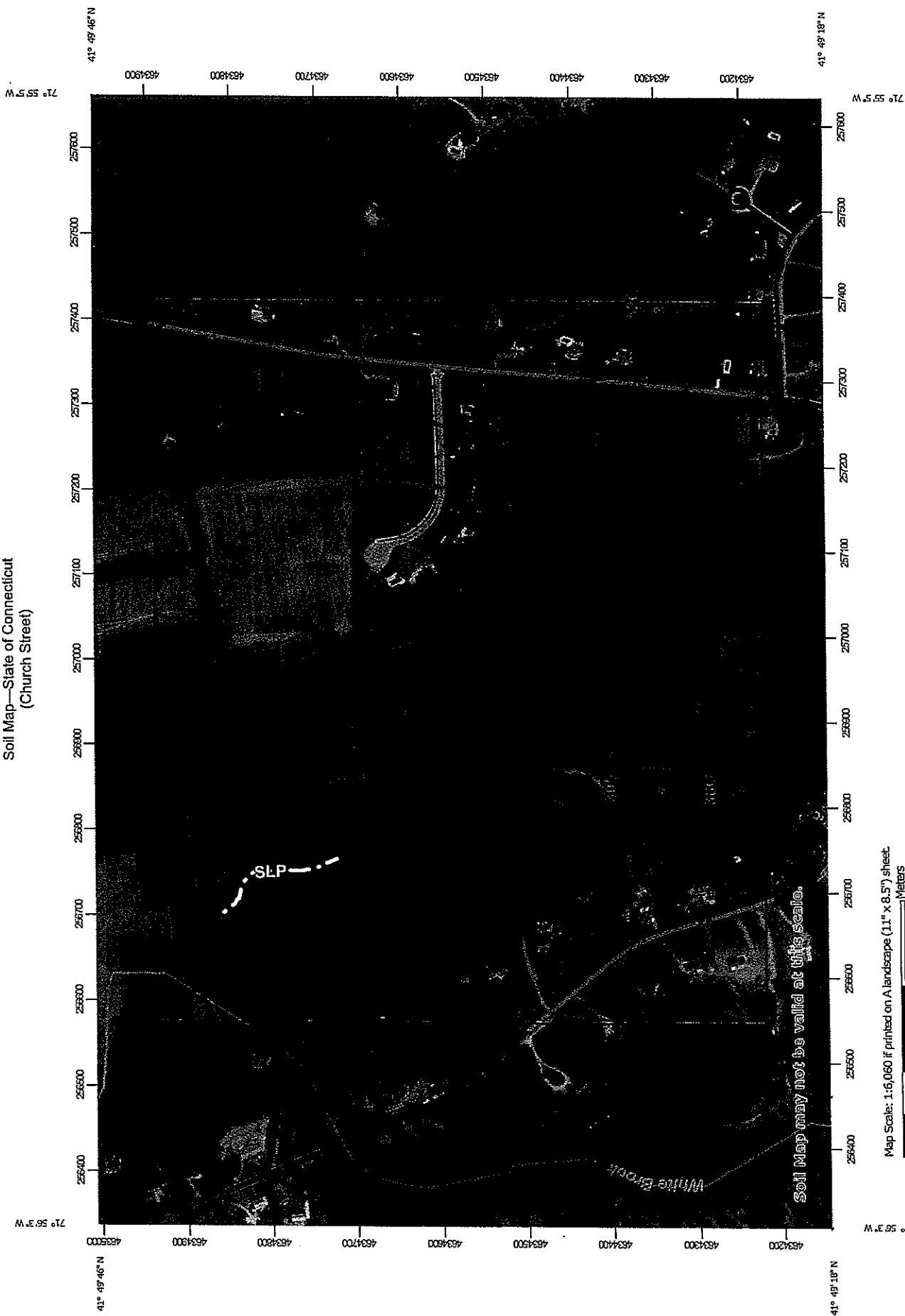
Please contact me if you have any questions.

Very truly yours,

A handwritten signature in dark ink, appearing to read "RC Russo".

Robert C. Russo
Soil Scientist

Soil Map—State of Connecticut (Church Street)












































Soil Map may not be valid at this scale.

Map Scale: 1:6,060 If printed on A landscape (11" x 8.5") sheet.

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84



MAP LEGEND

	Area of Interest (AOI)		Spot Area
	Soils		Stony Spot
	Soil Map Unit Polygons		Very Stony Spot
	Soil Map Unit Lines		Wet Spot
	Soil Map Unit Points		Other
	Special Point Features		Special Line Features
	Blowout		Water Features
	Borrow Pit		Streams and Canals
	Clay Spot		Transportation
	Closed Depression		Rails
	Gravel Pit		Interstate Highways
	Gravelly Spot		US Routes
	Landfill		Major Roads
	Lava Flow		Local Roads
	Marsh or swamp		Background
	Mine or Quarry		Aerial Photography
	Miscellaneous Water		
	Perennial Water		
	Rock Outcrop		
	Saline Spot		
	Sandy Spot		
	Severely Eroded Spot		
	Sinkhole		
	Slide or Slip		
	Sodic Spot		

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 20, Jun 9, 2020

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

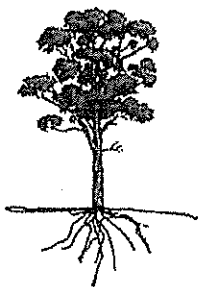
Date(s) aerial images were photographed: Mar 30, 2011—May 1, 2011

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
2	Ridgebury fine sandy loam, 0 to 3 percent slopes	5.6	3.8%
3	Ridgebury, Leicester, and Whitman soils, 0 to 8 percent slopes, extremely stony	0.4	0.3%
23A	Sudbury sandy loam, 0 to 5 percent slopes	4.1	2.8%
38C	Hinckley loamy sand, 3 to 15 percent slopes	29.8	19.8%
45A	Woodbridge fine sandy loam, 0 to 3 percent slopes	4.9	3.3%
45B	Woodbridge fine sandy loam, 3 to 8 percent slopes	28.7	19.1%
46B	Woodbridge fine sandy loam, 0 to 8 percent slopes, very stony	15.4	10.2%
50B	Sutton fine sandy loam, 3 to 8 percent slopes	6.5	4.3%
51B	Sutton fine sandy loam, 0 to 8 percent slopes, very stony	2.8	1.9%
52C	Sutton fine sandy loam, 2 to 15 percent slopes, extremely stony	1.4	0.9%
61B	Canton and Charlton fine sandy loams, 0 to 8 percent slopes, very stony	9.5	6.3%
62C	Canton and Charlton fine sandy loams, 3 to 15 percent slopes, extremely stony	0.7	0.5%
62D	Canton and Charlton fine sandy loams, 15 to 35 percent slopes, extremely stony	4.6	3.0%
73C	Charlton-Chatfield complex, 0 to 15 percent slopes, very rocky	14.7	9.8%
84C	Paxton and Montauk fine sandy loams, 8 to 15 percent slopes	2.0	1.3%
85B	Paxton and Montauk fine sandy loams, 3 to 8 percent slopes, very stony	3.0	2.0%
103	Rippowam fine sandy loam	13.6	9.1%
305	Udorthents-Pits complex, gravelly	2.5	1.6%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Totals for Area of Interest		150.2	100.0%



JOSEPH R. THEROUX

~ CERTIFIED FORESTER/ SOIL SCIENTIST ~
PHONE 860-428-7992~ FAX 860-376-6842

P.O. Box 32, VOLUNTOWN, CT. 06384

FORESTRY SERVICES ~ WETLAND IMPACT ASSESSMENTS
WETLAND DELINEATIONS AND PERMITTING ~ E&S/SITE MONITORING
WETLAND FUNCTION/VALUE ASSESSMENTS

4/27/2021

TOWN OF BROOKLYN
INLAND WETLANDS AND WATERCOURSES COMMISSION
4 WOLF DEN RD.
P.O. Box 356
BROOKLYN, CT. 06234

ATTN: MARGARET WASHBURN, WETLANDS ENFORCEMENT OFFICER

RE: WETLAND RECLAMATION, LEHTO PROPERTY, RIVERWALK DRIVE, BROOKLYN, CT.

DEAR MARGARET,

AT YOUR REQUEST I HAVE SUPERVISED THE REMOVAL OF THE FILL MATERIALS WITHIN THE WETLANDS ADJACENT TO THE ACCESS ROAD INTO THE EXISTING GRAVEL REMOVAL OPERATION ON THE SUBJECT PROPERTY.

MR. LEHTO REMOVED THE FILL ON THE SLOPE ADJACENT TO THE WETLANDS DOWN TO THE ORIGINAL SLOPES GRADE AND TOE OF SLOPE ALONG THE WETLAND BOUNDARY. THE ORIGINAL SLOPES WERE FOUND, AS EVIDENCED BY BURIED PLANTS AND SHRUBS.

SOME SEDIMENTS WERE FOUND WITHIN THE WETLANDS FROM STORMWATER TRANSPORT OF FINES FROM THE ROADBED ON THE SOUTHERN SIDE. AS THESE SEDIMENTS WERE MINIMAL, AND WERE INTERSPERSED WITH THE EXISTING WETLAND VEGETATION, I RECOMMENDED THAT THEY BE LEFT IN PLACE SO AS NOT TO DISTURB THE CHARACTER AND FUNCTIONS OF THE HERBACEOUS VEGETATION AND SHRUBS. GRASSES AND SKUNK CABBAGE WERE ALREADY EMERGING THROUGH IN SEVERAL PLACES.

I RECOMMENDED THAT THE RESIDUAL SLOPES BE GRADED WITH TOPSOIL AT AN APPROX. 3:1 SLOPE, TO MINIMIZE FUTURE EROSION, INSTEAD OF THE ORIGINAL STEEPER 2:1 SLOPE GRADE.

STAKED HAY BALES WERE PLACED AT THE EDGE OF DISTURBANCE, AND THE DISTURBED AREAS WERE SEEDED AND MULCHED. (SEE ATTACHED PHOTOS).

IN ADDITION, I RECOMMENDED THAT ON THE STEEPER PORTION OF THE ACCESS ROAD APPROACHING THE CROSSING SITE, THAT THE EXISTING WATERBARS BE RE-

CONSTRUCTED, AS THEY WERE MOSTLY FLATTENED OUT DUE TO TRUCK TRAFFIC, AND THE SEDIMENT BASINS BE CLEANED OUT TO STOP THE SURFACE STORM WATER FLOWS FROM ERODING THE ROAD BED.

CURRENTLY, THESE FLOWS WERE REACHING THE CROSSING SITE AND DISCHARGING INTO THE WETLANDS ON THE SOUTHERN SIDE OF THE ACCESS ROAD. THIS CONDITION WAS CAUSED BY THE EXCAVATION CONTRACTOR THAT WAS OPERATING THE SITE GRADING AND TRENCHING ALONG THE NORTHERN SIDE OF THE ACCESS ROAD. STORM WATER FLOWS WERE TRAPPED IN THE ROAD BED AND TRENCHES ALONG THE ROAD. THESE FLOWS PICKED UP VELOCITY AND FOLLOWED THE ROAD BED TO THE WETLANDS.

IT WAS MY RECOMMENDATION THAT THE NORTHERN SIDE OF THE ACCESS ROAD BE GRADED TO ALLOW SHEET FLOWS FROM THE ROAD BED INTO THE UPLANDS WHERE THEY CAN INFILTRATE.

MR. LEHTO WAS PERFORMING THIS GRADING WORK TODAY, (4/27/21).

IN CONCLUSION, I FEEL THIS WAS AN ADEQUATE RECLAMATION OF THE SLOPE AND WETLANDS, AS WELL AS PREVENTATIVE WORK TO MINIMIZE EROSION AND STORMWATER TRANSPORT OF SEDIMENTS.

IF YOU HAVE ANY QUESTIONS, PLEASE FEEL FREE TO CONTACT ME.

THANK YOU,

Joseph R. Theroux

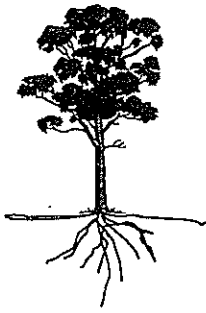
JOSEPH R. THEROUX
CERTIFIED SOIL SCIENTIST
MEMBER SSSSNE, NSCSS, SSSA.



VICTIM
NORTH SIDE







Joseph R. Theroux

~ Certified Forester/ Soil Scientist ~

Phone 860-428-7992~ Fax 860-376-6842

P.O. Box 32, Voluntown, CT. 06384

Forestry Services ~ Wetland Impact Assessments

Wetland Delineations and Permitting ~ E&S/Site Monitoring

Wetland function/value assessments

11/27/20

Archer Surveying

P.O. Box 22

Brooklyn, CT. 06234

Re: Wetland Investigation, Day Street parcels, (Map: 019-42-31 and Map: 019-42-32), Killingly, CT.

Dear Mr. Archer,

At your request I have investigated the above referenced parcels for inland wetlands and watercourses and none were found on or adjacent to these properties.

In conclusion, if you have any questions concerning the delineation or this report, please feel free to contact me.

Thank you,

Joseph R. Theroux

Certified Soil Scientist

Member SSSSNE, NSCSS, SSSA.