

INLAND WETLANDS AND WATERCOURSES COMMISSION

Town of Trumbull

CONNECTICUT

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TOWN HALL
Trumbull

TELEPHONE
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**October 1, 2013
Minutes**

MEMBERS PRESENT: Richard Girouard, Chairman
John Lauria, Secretary
Carmine DeFeo
Kevin Chamberlain
Jeffrey Wright (Arrived at 8:24 p.m.)
ABSENT: Arlyne Fox, Vice Chairman

ALSO PRESENT: William Maurer, P.E., LS

CALL TO ORDER: The Chair convened the meeting at 7:31 p.m. All present joined in the Pledge of Allegiance led by Commissioner Chamberlain.

PUBLIC HEARING

Commissioner Lauria read the Public Hearing notice into the record as follows:

**TRUMBULL INLAND WETLANDS AND WATERCOURSES COMMISSION
NOTICE OF PUBLIC HEARING**

NOTICE IS HEREBY GIVEN THAT the Inland Wetlands and Watercourses Commission of the Town of Trumbull will hold a Public Hearing on Tuesday, October 1, 2013 at 7:30 p.m. in the Trumbull Town Hall Courtroom, 5866 Main Street, Trumbull, Connecticut, on the following application:

- Application 13-58, Paul Plouffe - Permit approval to replace an existing drainage culvert and associated grading along the south and west side of the property, replace an existing stone lined drainage culvert with ADS drain pipe, catch basin, flared end and riprap energy dissipater within a regulated area at 167 Pinewood Trail.
(CONTINUED FROM SEPTEMBER 3, 2013)

A copy of the application and maps are on file for public inspection in the Town Engineer's Office, Town Hall, Trumbull, Connecticut.

Dated at Trumbull, Connecticut this 18th day of September, 2013.

Richard H. Girouard, Sr., Chairman

Inland Wetlands and Watercourses Commission of the Town of Trumbull

Mr. Plouffe of Application 13-58 submitted the certificate of mailings for the record.

The Chair opened the Public Hearing at 7:33 p.m.

Application 13-58, Paul Plouffe - Permit approval to replace an existing drainage culvert and associated grading along the south and west side of the property, replace an existing stone lined drainage culvert with ADS drain pipe, catch basin, flared end and riprap energy dissipater within a regulated area at 167 Pinewood Trail.

Mr. Plouffe of 167 Pinewood Trail was present and indicated the application is to make drainage improvements on the side of the house. The existing system is quite old and inefficient. After a heavy rain there is a fair amount of water that comes through the exiting open system which washes out over the back area.

Mr. Donald Snyder, P. E. of Snyder Civil Engineering, LLC of Portland, CT was present and indicated after his initial site inspection he concurred that there was a need to upgrade the existing stone-lined drainage culvert with an ADS to pipe the existing storm water. This is primarily an intermittent draining area experiencing flows only during storm events. During storm events the banks overflow causing erosion and sediment to go into Pinewood Lake. With the proposed drainage improvement all the storm water would be collected at the road, it would flow through the pipe culvert to a rip rap energy dissipater with a flared end until it reaches the point where it would discharge into the lake. The goal is to allow the flared end to dissipate the flow of the water and to control the velocity before it discharges into lake. The rip rap would serve as the last means of protection. The proposed system has an 18" sump (sediment control sump). Due to the current condition of the existing stone-lined drainage culvert some of the stone is falling off an eroding the bank. The stone-lined culvert had been moved over time; it used to run along the side property line but now runs on the diagonal. There is an inherent risk of it washing over the whole yard. The design does have a number of bends and elbows; this was so that it would match the alignment of the stone lined culvert. There had been discussion with the Engineering Dept. with regard to changing this to a straight run. This could be more difficult for the applicant, there are trees in the area which the applicant is concerned about. Mr. Plouffe stated that some of the elbows and bends could be modified. Mr. Plouffe noted that there is a section where the beach area is and is also the family's picnic area, if the pipe was to run straight it would run across the area and would prefer not to do so in that area.

Mr. Snyder stated they he had analyzed two (2) culverts. The existing twin 12" RCP culverts (storm water is conveyed under the roadway). The existing discharge is 7.5 cubic ft. per second; the existing stone-lined culvert is 13.3 cubic ft. per second. They looked at the whole watershed area (7.5 acres) and the type of woodland. The proposed system would require a total discharge of 19.2 cubic ft. per second based on a 25-year storm event with 24-hr. duration. They evaluated design alternatives, (i.e. 12" plastic corrugated, but would be a discharge of 12 cubic ft. per second). By stepping to a 15" pipe the discharge is at 22 cubic ft. per second (more than the 19 cubic ft. required). The velocity will disallow clogs from forming and the same velocity is slowed by the flared end before it enters the lake. The pipe does not have clean outs, if it were to get clogged the pipe could be snaked as is done with catch basin. The total length is 203 ft. The applicant will reduce the number of bends and would consider putting a manhole at the angle point. There is an 18" pipe on the other side of Pinewood Trail that discharges to a catch basin and then goes to twin 12" twin pipes; these are undersized to handle discharge from an 18" pipe. The existing 12" pipes can handle 7.5 cubic ft., the 18" pipe can handle 22 cubic ft. of discharge and is able to handle three (3) times the capacity of

what is currently at Pinewood Trail. When the applicant evaluated the entire drainage area they took into account the potential of the Town making improvements in the future, (i.e. replacing the 12" twin pipes with an 18" pipe.) The number to meet was 19.2 cubic ft. the proposed plan exceeds that and is able to discharge 22 cubic ft. per second. The applicant stated they would be willing to straighten out the runs and install a manhole as a condition of approval. The calculations include the impervious surface, (the entire 7.5 acres all the way down to the waterline, and a mix of pervious and impervious surfaces). The limit of disturbance is .19 acres. There will be approximately six (6) stumps removed; the trees had already come down in last year's storm. There was a 30" wide tree in the front yard that came down. That stump will be removed now, although by and large everything within the regulated area is in the vicinity of the pipe. The filter fabric was placed by the lake so machines do not hit it. Mr. Snyder indicated they typically put it at the edge of the property lines to give the construction crew room to work. Mr. Maurer stated that as part of the commission's general conditions of approval the Town would need to inspect the silt fence. The goal will be to bring in the fill as needed. There is a chance at the end of the day there could be some that had not been used, any of that fill will be kept within the silt fence area. They are viewing this as an intermittent drainage culvert as opposed to a wetland area. These are previously disturbed soils. Fill had already been brought into the site. The commission clarified this is a watercourse area.

Mr. Maurer confirmed for the commission that it is typical to design a culvert for the 25-year storm. Mr. Snyder indicated that the bottom left corner of the plans address the phasing of the project and reviewed them with the commission. The pipe shall be laid uphill. The proposed catch basin is in the Town's R-O-W (right-of-way). The option of moving the catch basin to the curb line had been previously discussed with the Engineering Dept., they had not done so in the original plan because it would have been in the R.O.W. and would have involved relocating the swale with additional drainage and grading within the Town R.O.W. The applicant would like to install the catch basin in its proposed location. Mr. Maurer confirmed for the commission the catch basin is close enough to the road for the Town to reach and clean it.

Mr. Maurer read into the record the letter dated October 1, 2013 from himself to the IWW Commission regarding Staff Review of Application 13-58, (Copy of the letter is included in the Application 13-58's file). Mr. Maurer added a fourth suggested condition to letter it is as follows: "The applicant shall install a hood in the catch basin". Mr. Maurer would like to see a plunge pool to further slow the water down. The applicant agreed to the conditions. The applicant would potentially use one or two manholes. The plunge pool would be at the outlet and would be part of the rip rap, (a depression to reduce the energy that could create erosion). Mr. Maurer indicated that there are standard volume calculations that the plunge pool should have and would need to be submitted for the Town Engineer's approval.

There were two (2) members of the public present to speak.

1. Mr. Mike McCarty of 162 Pinewood Trail was present and indicated there is an existing 6" pipe installed at his house to drain water from underneath the property. If the proposed pipe clogs his basement would fill with water. The only recourse he has if the pipe were to clog would be the use of a sump pump that would run 24/7 with water draining down his driveway. Mr. McCarty questioned what his guarantee would be from the Town if the new pipe were to clog. Mr. Maurer stated the use of an extra deep sump was discussed at this meeting as well as a hooded catch basin. The hooded catch basin would prevent any large debris from flowing down and clogging the pipe. Mr. Maurer suggested that Mr. McCarty install a check valve in the 6" pipe on his property to prevent anything that could potentially

back up. Mr. Maurer added that this project will have 3x the capacity of the current open swale. There were two options; The first being that the applicant leave the elbows and bends in the design and the applicant would be responsible for the pipe and the maintenance of the system in perpetuity. The second is to have a straight run with manholes to avoid all of the bends. If the applicant kept the system as they had originally proposed they would accept responsibility for all maintenance. Mr. McCarty stated that having the Town be responsible for the system would be in his best interests so he did not have to work with a third party or a subsequent owner.

2. Mr. Bill Jolly of 163 Pinewood Trail was present and indicated he lives at the property beside the applicant's. He does not have the same concern as Mr. McCarty because the watercourse runs down the side of his property and has no issues with the proposed drainage system. What Mr. Snyder designed will enhance his property's value. He has seen the water that goes into the lake when the culvert overflows; it takes silt and soil with it. He believes this will be an improvement. The water from 167 Pinewood Trail does not overflow onto his property during the storms.

Motion (Chamberlain), seconded by (DeFeo) to CLOSE the Public Hearing.

VOTE: Motion CARRIED unanimously.

The Public Hearing CLOSED at 8:18 p.m.

OLD BUSINESS

The Chair OPENED Old Business at 8:19 p.m.

Application 13-60, Tina Beyer - Permit approval to plant approximately thirty (30) arborvitaes 2' from the property line and install a decorative landscape feature within a regulated area at 634 Booth Hill Road.

Ms. Tina Beyer of 634 Booth Hill Road was present and indicated the permit is to add arborvitaes along the property line and an arch near the rock wall area within the regulated area. Mr. Maurer stated the prior application's stonewall is complete. Ms. Beyer stated the shed has been installed. Mr. Maurer indicated he had not inspected the shed to date.

Application 13-61, Joe Farruggio - Permit approval to replace an existing rear deck with a new stone patio, replace an existing driveway, rear lawn, install an irrigation system and replace an existing stonewall within a regulated area at 8 Caldron Drive.

(Commissioner Wright arrived at 8:24 p.m.)

Mr. Joe Farruggio of 8 Caldron Drive was present and indicated he is doing maintenance on the house which involves replacing the 23 year old driveway and stonewall. The stonewall abuts the driveway. The deck is being replaced, the footprint is not changing. Fill will be brought in for the patio. He is also proposing to replace the lawn with sod and install an irrigation system. There is not much opportunity for erosion into the wetlands area based on where the work is being performed. There is one tree to be removed, a large Tulip tree. The primary reason they would like to remove the tree is due to concern that the tree may fall. If it were to, it would cause considerable damage to the home. The secondary issue is that the tree is causing the driveway to buckle. There is an area by the tree that is eroding and he has spoken to his contractor about planting the appropriate grasses or fescue in the area. This is not currently on the plan. The applicant requested permission of the commission to add the planting of the grasses to the application (between the tree and the wall). The flow usually lasts a day or two after a rain but is dry when there is no rain. The driveway will not be

extended; the footprint will not be changed. Mr. Maurer indicated the impervious surface is below 800 sf.

Application 13-62, Nina Boynton - Permit approval to remove up to twenty (20) trees within a regulated area at 107 Whitney Avenue.

Ms. Nina Boynton of 107 Whitney Avenue was present and indicated that some of the trees are dead and many of them are leaning. There is a concern that they may fall on the house. There is a great deal of shade on one side of the house which has caused mold and wood rot. Ms. Boynton is not sure if she would be able to remove all of the trees at one time due to financial constraints but would like to know that she could within the next few years. There will be no stump grinding and would not want to do so because it would cause more disturbance. The trees will be removed by climbing and cutting, no machinery will be used. The only area exception to this is one pine tree near the rear deck that they may use a small piece of equipment for. Ms. Boynton would like to restore some of the Hemlocks to slow down the brook from drying out. The commission agreed that would be a separate application, there is a possibility the fee could be waived.

Application 13-63, Gregor & Catherine J. Macintyre -Permit approval to install a 8' x 12' shed in the rear right corner of the property within a regulated area at 67 Rangely Drive.

Mr. Gregor Macintyre of 67 Rangely Drive was present and indicated their intent is to install a shed in the rear corner of the property per P&Z regulations. This brings the shed to the edge of wetlands. It is a standard 8' x 12' shed with a concrete block base. The yard is complete lawn and there would be no excavating involved.

Motion (DeFeo), seconded by (Lauria) to CLOSE the Old Business.

VOTE: Motion CARRIED unanimously.

Old Business CLOSED at 8:41p.m.

NEW BUSINESS

The Chair OPENED New Business at 8:42 p.m.

Mr. Maurer stated the following applications are substantially complete.

Application 13-67, Clodomiro Falcon-Permit approval to stabilize stream banks with riprap, soil and plantings within a regulated area at 33 Melrose Avenue.

Motion (Lauria), seconded by (Chamberlain) to RECEIVE.

VOTE: Motion CARRIED unanimously.

Application 13-68, Gary Cifatte-Permit approval to install a storm pipe in an intermittent watercourse within a regulated area at 104 Williams Road.

Mr. Jim Swift, P.E., Landscape Architect with offices in Stratford, CT was present and indicated this is a straight forward application. This is an intermittent watercourse that receives drainage from municipal pipes. It is a defined water channel. The homeowner would like to pipe it to stabilize and put in a siltation trap at the end of the pipe. Mr. Maurer requested that Mr. Swift provide the watershed drainage calculations for the area draining into this culvert before the next meeting to ensure it is properly sized.

Motion (Chamberlain), seconded by (Wright) to RECEIVE.

VOTE: Motion CARRIED unanimously.

Application 13-69, Sandra Terebesi-Permit approval to fill the wetland soils for construction of a single family home within a regulated area at 40 Chalon Road.

Mr. Jim Swift, P.E., Landscape Architect with offices in Stratford, CT was present and indicated this lot has a significant amount of wetlands. Drainage calculations have been submitted with the application. They are proposing to build a new house on this site. They will mitigate with a rain garden, a slight expansion of the wetland area and will provide a feasible and prudent alternative at the next meeting. Due to the placement of the two (2) existing Ash trees the driveway is proposed over the wetlands. It could be possible to relocate the driveway to the other side and will be provided as an alternate at the next meeting. They are trying to provide a reasonable lawn area around the house approximately 25'. The amount of wetlands disturbance is 2500 sf. and mitigation area is 640 sf. The house will have a sump pump which will pump out to a dry well. The concern was as the house is raised out of the ground water system there would be a need for more fill around the house and less of a usable yard. The owner would like an attached garage. This would be a modest 3 bedroom house.

Commissioner Lauria requested setting the house further in order not to use as much fill. Mr. Swift indicated that could be possible. Mr. Swift stated a plan with a patio as opposed to a full deck, or with a deck 4' off the house could be used in order to push the house back instead of going to ZBA.

Mr. Maurer requested the following be submitted for the next meeting:

- Detailed plans & sections for the rain garden and mitigation, (a planting plan).
- Add to the plan a maintenance plan for the rain garden and the galleys.

Mr. Swift indicated the easement area is deep enough that they would be able to get through without disturbing the footings. For the next meeting Mr. Swift agreed he would provide the commission with a representation of what the house would look like. The applicant had looked at a house design that was narrower, but explained as you move forward on the site the wetlands at the front of the site are impacted. This plan seemed to work well for the site.

Mr. Maurer indicated that there have been many inquiries into the lot although the amount of wetlands have steered most people away from the lot. There has been no prior application for this site. Mr. Swift stated the commission will hear from the owner and the owner's counsel at the next meeting. This is a lot that has been in the same family for a while. Mr. Swift agreed that the house would be staked and the wetlands flags would be refreshed if the commission were to conduct a field inspection.

Motion (Lauria), seconded by (Wright) to RECEIVE.

VOTE: Motion CARRIED unanimously.

Application 13-70, Sophie Nemergut-Permit approval to install riprap gravel at base of wall and remove rocks on western side of property to create and open swale within a regulated area at 5 Baldwin Avenue Lot 1. WITHDRAWN

Application 13-71, Bob Willis-Permit approval to construct an in-ground pool with a stone terrace and retaining wall within a regulated area at 87 Towerview Drive.

Mr. Maurer indicated that the application is substantially complete.

Motion (Chamberlain), seconded by (DeFeo) to RECEIVE.

VOTE: Motion CARRIED unanimously.

Motion (DeFeo), seconded by (Lauria) to CLOSE the New Business.

VOTE: Motion CARRIED unanimously.

New Business CLOSED at 9:00 p.m.

MINUTES: Motion (Lauria), seconded by (Wright) to amend the September 3, 2013 meeting minutes on page 4 under Application 13-62 striking the number 1 in 13-6~~4~~ and replacing it with the number 2 & Application 13-63 and striking the number 1 in 13-6~~4~~ and replacing it with the number 3. The sections are amended to read as:

Application 13-62, Nina Boynton - Permit approval to remove up to twenty (20) trees within a regulated area at 107 Whitney Avenue.

Motion (Wright), seconded by (DeFeo) to RECEIVE Application 13-62, Nina Boynton.

VOTE: Motion CARRIED unanimously.

By unanimous consent the Inland Wetlands & Watercourses Commission agreed to conduct a Field Inspection on Application 13-62, Nina Boynton.

Application 13-63, Gregor & Catherine J. Macintyre - Permit approval to install a 8' x 12' shed in the rear right corner of the property within a regulated area at 67 Rangely Drive.

Motion (Wright), seconded by (DeFeo) to RECEIVE Application 13-63, Gregor &

Catherine J. Macintyre.

VOTE: Motion CARRIED unanimously.

VOTE: Motion CARRIED unanimously.

VOTE: Motion as amended CARRIED unanimously.

WORK SESSION:

The Chair OPENED the Work Session at 9:01 p.m.

Application 13-58, Paul Plouffe:

Motion (Chamberlain), seconded by (Lauria) to APPROVE Application 13-58, Paul Plouffe subject to the General Conditions as established by the Commission and the following specific conditions:

1. The alignment of the drainage pipe be straightened through the use of straight sections of pipes without bends and the installation of manholes. A revised plan shall be submitted to the Inland Wetlands and Watercourses Commission's Agent to this effect.
2. Plunge pool shall be provided at the outlet of the pipe run. Details and calculations must be submitted and approved by the Town Engineer prior to all work.
3. A hood shall be installed on the outlet pipe within the catch basin leading to the new drainage run.
4. The above condition shall be to the satisfaction of the Town Engineer before construction can commence.
5. Bond shall be posted prior to construction in an amount calculated by the applicant's engineer and submitted to the Town Engineer for approval.

*Commissioner Wright did not vote

VOTE: Motion CARRIED 3-0-1 (ABSTENTION: Lauria)

Application 13-60, Tina Beyer -634 Booth Hill Road

Motion (Chamberlain), seconded by (Lauria) to APPROVE Application 13-60, Tina Beyer-634 Booth Hill Road as submitted subject to the General Conditions as established by the Commission.
VOTE: Motion CARRIED 4-1 (AGAINST: Wright)

Application 13-61, Joe Farruggio:

Motion (Wright), seconded by (Lauria) to APPROVE Application 13-61, Joe Farruggio subject to the General Conditions as established by the Commission and the following specific conditions:

1. This approval includes the removal of the Tulip tree.
2. Grasses sufficient to stabilize the bank shall be planted.
3. Silt fence shall be installed along the length of the driveway during construction.

VOTE: Motion CARRIED unanimously.

Application 13-62, Nina Boynton–107:

Motion (Defeo), seconded by (Lauria) to APPROVE Application 13-62, Nina Boynton subject to the General Conditions as established by the Commission and the following specific conditions:

1. Very limited machinery shall be used in the regulated area.
2. No machinery shall be used in the wetland area.
3. There shall be no stump grinding or excavation.

VOTE: Motion CARRIED unanimously.

Application 13-63, Gregor & Catherine J. Macintyre:

Motion (Chamberlain), seconded by (Lauria) to APPROVE Application 13-63, Gregor & Catherine J. Macintyre as submitted subject to the General Conditions as established by the Commission.

VOTE: Motion CARRIED unanimously.

By unanimous consent the Inland Wetlands and Watercourses Commission agreed to conduct field inspections on the following applications;

Application 13-67
Application 13-68
Application 13-69
Application 13-71.

By unanimous consent the Inland Wetlands and Watercourses Commission agreed that a Public Hearing would be noticed for Application 13-68 & Application 13-69.

SCHEDULE FIELD INSPECTIONS

By unanimous consent the Inland Wetlands & Watercourses Commission scheduled the Field Inspection to take place on Tuesday, October 15, 2103 leaving the Town Hall at 3:00 p.m.

ANYTHING THAT MIGHT RIGHTFULLY COME BEFORE THE COMMISSION

The clerk announced the Land Use Academy fall training is scheduled for Saturday, Oct. 26, 2013 (Basic) and Saturday, November 9, 2013 (Advanced). Any of the commissioners who are interested in attending should contact the clerk after the meeting.

Mr. Maurer reported that Laura Gray of 60 Wood Avenue has been in contact with the office, she would like to pave the driveway. The original condition of approval was that the driveway never be paved and was to be filed on the land records as such. Mr. Maurer explained to the commission that there are options available now that had not been when the decision was rendered, pervious asphalt and pavers are now available. The wording of the original condition reads as, "only stone". This had never been filed on the records. The owner, Ms. Gray purchased the property without knowing. Mr. Maurer noted for the commission that was a civil matter. Ms. Gray would like to make an application using an alternate material. Mr. Maurer stated the crushed stone over years is packed down and becomes very much like an impervious surface, run off still does happen although not sheet flow. Commissioner Chamberlain stated there is a system used at the Discovery Museum that may apply to this situation. The commission stated a modification to the original application may be possible.

Mr. Maurer contacted the owner of 22 Mohawk Drive and gave him a deadline of the end of September; he has not complied to date. The Chair directed Mr. Maurer to contact the Town attorney on this matter.

Mr. Maurer reported that Corporate Drive is complete.

There being no further business to discuss the Inland Wetlands & Watercourses Commission adjourned by unanimous consent at 9:33 p.m.

Respectfully Submitted,

Margaret D. Mastroni, Clerk