

Note: These Minutes are subject to Agency approval at the next regular meeting.

Chester Inland Wetlands & Watercourses Agency

Regular Meeting, November 5, 2018

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1. Call to Order

The Chester Inland Wetlands & Watercourses Agency held its regular meeting on Monday, November 5, 2018, at the Chester Town Hall, 203 Middlesex Avenue, Chester, Connecticut. In attendance were Al Bisacky, Kim Senay, Eric Davison, Bob Blair, Bill Bernhart and Ellie Wahlberg. Anna Sweeney, Wetlands Compliance Officer, was also present. Chairman Bisacky called the meeting to order at 7:00 PM.

2. Minutes - October 1, 2018

Motion by Bernhart, second by Senay, to approve October 1, 2018 Minutes as written. Unanimously Approved.

3. Audience of Citizens - none.

4. Continued Show Cause Hearing - Chester Airport, 61 Winthrop Road - unpermitted activity within review area

5. Chester Airport, 61 Winthrop Road - unpermitted activity within review area

Agenda Items 4 and 5 were tabled, nothing further at this time.

6. Sandra K. Freudenstein, 39 Turkey Hill - driveway wetland crossing

Roger Nemergut spoke on the applicant's behalf. He submitted the green card as notification to the CT Water Company. He reviewed revised plans noting the crossing point was shifted about 70' south in the area discussed by this Agency at the last meeting. Mr. Nemergut noted he visited the site October 3rd after a heavy rain and measured the water flow at 7' to 8' width which was very shallow flow. He also noted they are changing from the circular culvert to a 10' wide corrugated metal arch with no bottom. He briefly reviewed 2 other alternatives with box culverts.

Mr. Nemergut noted if one comes in off the road and up to the crossing there are several concentrations of flow through the wetlands so they altered that section. He reviewed the

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installation of the geofabric and washed stone that will allow a small amount of flow under the driveway. This will avoid the need to excavate in the wetland. It will raise the grade of the driveway about 1'. Paved leakoffs have also been added.

Rich Snarski visited the site again and did not see any vernal pools. Mr. Nemergut reviewed Mr. Snarski's letter and explained the mitigation. Nemergut noted the National Diversity DataBase was checked and this site was clear.

Mr. Nemergut noted a 50 year storm event would raise the flow about 11" and the area of impact would be about 450 sq. ft. A 100 year storm event would raise the flow about 1 foot. Under the old scheme, the elevation change would be a couple of feet.

Mr. Nemergut reviewed construction sequence noting the work should be done between June and September. He indicated these changes were in response to comments from the Agency at the last meeting. He noted the arch pipe is the preferred method as its cheaper and lighter, but does require concrete footings at each end. The 3 sided culvert requires footings. The box culvert does not. If they went with concrete, they would have to bring in a crane because of the weight.

Kim Senay asked about the longevity of steel vs. concrete. Mr. Nemergut noted concrete is pretty much forever. Steel above ground should last as long as concrete.

Chairman Bisacky asked if there had been any response from the Water Company. Nemergut replied no. Bisacky asked if the revised plans had been sent to the Water Company. Nemergut replied no because they were only finished this afternoon. He also noted that the Water Company didn't respond to the original plans, and the revised plans are an improvement.

Eric Davison noted these were excellent changes. He asked about the flow change of the 50 year storm. Nemergut replied

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it goes through the culvert and is under 3' per second. He wasn't sure what it is currently. There was further discussion regarding flow and the pipe arch.

Davison asked if there was excavating in the stream bed. Nemergut replied no. Davison noted he didn't like the silt fence and erosion control in the wetlands. He suggested silt socks and wood chip berm. He also wanted more narrative on the construction plan, the dewatering and that work would be done in the low flow season.

Davison agreed with Mr. Snarski regarding the mitigation issue as this site didn't warrant recreation of wetlands due to specific site conditions on this property. It was noted mitigation could also be something other than creation of wetlands.

Davison asked how significant the changes would be if a 12' wide culvert was used. Nemergut noted the road bed on each side would have to be raised substantially. Chairman Bisacky suggested going to a bigger culvert and burying it 6" deeper. There was much discussion regarding size of the culvert and whether to use steel or concrete.

Mr. Davison asked how much work it would be to figure the increase in flow with 10' and 12' culverts. Nemergut noted he could provide that information but not at this meeting.

Chairman Bisacky noted he would like to see details of the footings and the dewatering technique.

The applicant submitted a request for extension of time on the application process.

Chairman Bisacky asked if the existing right of way could be extinguished. Mr. Nemergut replied that would depend on whether Planning & Zoning would object. If so, they would then

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be in a catch 22 situation. Bisacky suggested making it a condition of approval.

Mr. Nemergut noted he would look at a wider crossing and provide details of footings and dewatering at the next meeting.

7. Aaron Manor, 3 South Wig Hill Road - Shed
Motion by Wahlberg, second by Blair, to approve 18-10 Aaron Manor for shed with condition that it has to be installed on crushed stone to extend 1' beyond the drip line on all sides. Unanimously Approved.

8. Regulations and Map Modifications - nothing further at this time.

Motion by Davison, second by Wahlberg, to move Agenda Item 11 to after Agenda Item 8. Unanimously Approved.

11. Receipt of Applications After Posting of Agenda
#18-11, Nate Jacobson, 43 Goose Hill Road, Box Culvert Installation.

Nate Jacobson was present. He reviewed the problem with the driveway culvert that was the result of recent heavy rain storms. Temporary repairs have been done in kind, but haven't been finished due to weather conditions. They are proposing a 3' x 10' reinforced concrete box culvert with 2 7' sections fastened together with a waterproof joint. It will rest on bedrock. The existing 30" diameter concrete pipe with 2 15" diameter concrete pipes (1 on either side) was there for 60 years. It was overtopped only twice with no significant damage. This recent storm was just horrendous as to flow. There will be riprap on the southeast side.

Mr. Jacobson noted it was designed for a 100 year storm. Eric Davison asked why he preferred concrete. Mr. Jacobson replied for permanence. He indicated the pond was built for fire protection purposes.

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In terms of construction timing, the work will be done when the brook is dry in the summer time. Mr. Jacobson also noted this will be on ledge in order to get the flow down to stream level. It is a 4 sided box. There will be a thin layer of 2" stone.

Chairman Bisacky noted speed of construction will be important in this case. He asked how soon this will be done. Mr. Jacobson noted as soon as possible consistent with the spring flow.

This will be on next month's agenda for a vote.

9. Wetland Compliance Officer's Report

Anna Sweeney, Wetlands Compliance Officer, reported on the following -

- She accompanied First Selectwoman Gister on a site walk through town to review damaged property from the recent heavy rain storm. The purpose of the site walk was to do an assessment before meeting with FEMA representatives the next day. Ms. Sweeney gave a brief review of the areas damaged.
- There was discussion about the dam owned by Henkind. It was noted the Historical Society is worried about that dam.
- She went on a site walk with Park & Rec for a proposed boardwalk at the cemetery. She noted there would be no impact to the wetlands. Park & Rec is also looking at other possibilities and will come back to the Agency to discuss those.
- Eric Davison and Anna Sweeney were supposed to walk the Airport property, but decided against it due to bear sightings. Jodi Chase will be preparing a report. Mr. Davison reminded Ms. Sweeney that Jodi needs to walk more than 50' off the road to be sure nothing has been washed away.

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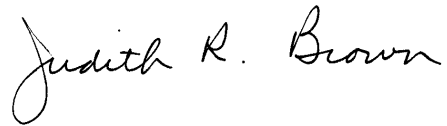
10. Correspondence - none.

12. Any Other Business - none.

13. Adjournment

Motion by Davison, second by Wahlberg, to adjourn at 8:27 PM.
Unanimously Approved.

Respectfully submitted,

A handwritten signature in cursive script that reads "Judith R. Brown". The signature is written in black ink and is positioned below the typed name.

Judith R. Brown, Recording Secretary