
Member(s) absent: Peter Talbot.

Staff: Suzanne Simone.

I. CALL TO ORDER

Chairman de Jongh called the meeting to order at 7:30 p.m.

II. PLEDGE OF ALLEGIANCE

The pledge of allegiance was recited.

III. ROLL CALL

Ms. Dunne called the roll.

Members in attendance were Robert de Jongh, Charles Dimmick, Matt Bowman, Kerrie Dunne, Earl Kurtz, and Sheila Fiordelisi.

IV. DETERMINATION OF QUORUM

Chairman de Jongh determined there were enough members present for a quorum.

V. BUSINESS

Ms. Dunne read the legal notice to open the public hearings of the following two items:

1. Permit Modification
   Town of Cheshire
   Schoolhouse Road
   Road Drainage/Endwall Reconstruction
   APP #2007-044A
   DOR 7/20/10
   PH 8/03/10
   PH 9/21/10
   MAD 10/26/10
Earl Kurtz recused himself from this portion of the public hearing at 7:32 p.m.

David Arzt and Tony Dornwood of Cardinal Engineer were present on behalf of the applicant. Mr. George Noewatne from the Public Works Department was also.

Mr. Arzt addressed the Commission.

Mr. Arzt stated that he wanted to give the Commission an overview of Schoolhouse Road drainage improvements.

Mr. Arzt reviewed plans showing what was approved in January 2008, before the Schoolhouse Road drainage and the discharge was on the south side of the road.

Mr. Arzt explained in the winter of 2008 and 2009 the end wall on the north side of the road on the existing 66” reinforced concrete pipe collapsed and the Public Works Department went in and did an emergency repair; he said as the Commission could see the road is very steep.

Mr. Arzt showed on the plans the wall that they are proposing to repair and replace.

Mr. Arzt explained they had problems getting a right of way from the property owner on the south so because they needed to do work on the north, they decided to change the outlet to the north; that was submitted July 14, 2010.

Mr. Arzt said there were some comments from Compass Rock relative to the Kurtz Farm; and the IGA-Bozzuto properties and greenhouses were the biggest things in questions.

Mr. Arzt said the plans he was reviewing shows the Schoolhouse Road area, showing the IGA-Bozzuto building.

Mr. Arzt explained in 2007 Cardinal Engineering visited Sal Bruno, the facility manager of the IGA facility and he stated at that time no site drainage was connected to Schoolhouse Road.

Mr. Arzt stated that the Building Department and Engineering Department has no plans so they asked the Town to try to contact the design engineer for this site. He said they did an extensive search – it took them about a week and they were able to find a schematic plan in the archives which showed Schoolhouse and that
the majority of the drainage goes around, connects to the back and there was a little bit in the front which they have accounted for and the building isn’t shown.

Mr. Arzt said so the design engineer Mr. Dornwood called Sal Bruno back and met with him and he brought Dave Fault of the property division and the two of them went up on the roof for about an hour and investigated the storm drains because the facility people weren’t exactly sure where they went either.

Mr. Arzt said they have now adjusted the drainage areas based on this additional information. He showed on the plan the amount of area they originally accounted for – he said they are also picking up a little bit of the building so the drainage counts for that.

Mr. Arzt said the second thing was the greenhouse. He explained the Engineering and Building Departments had no plans on that facility either; he said because it’s an agricultural operation there’s little or no review by the Town.

Mr. Arzt said they looked at the Town topo maps and when they did the original investigation and there is a drainage ditch; he showed the location of the drainage ditch on the map.

Mr. Arzt said they did an additional audit of the site in 2010 based on the comments and there is a pretty good drainage system between the greenhouses. He explained that what they do is they have under drains with stone where the water runs off between the greenhouses and is collected by under drains and piped to a header pipe and the storm drainage goes – that’s a 15” and catch basin near the road but not in the road and then it goes down to an 18” and outlets to an area which Mr. Arzt pointed to on the plans; he showed the location of the 66” culvert.

Mr. Arzt showed on the map the location where they picked up a little more area that is off site – he said they aren’t really getting any water from the greenhouses themselves because of the storm drainage system but the storm drainage system of the greenhouses does not pick up the off site water so they have added a little drainage in that area also.

Mr. Arzt said the plan shows the drainage areas – he showed the area that they basically had originally going to from the IGA-Bozzuto and they added just a little bit in one location and a little bit on the roof; he stated he believed this was a conservative
approach; they don’t think that much is getting in there but it was not possible to let for sure.

Mr. Arzt said they also added some of the offsite water.

Mr. Arzt showed on the plans the big picture – the watershed map; he pointed out the specific locations on the map relative to the proposed project site.

Mr. Arzt pointed out the site location on the map, the location of Schoolhouse Road, Sandbank Road, Jarvis Street and Route 68 & 70 and Town Hall.

Mr. Arzt said the Schoolhouse Road drainage system has about 30 acres tributary to it; has a time of concentration of about a half a mile and the 30 acres is .05 square miles; the 10 year discharge and that is what’s they design roadway drainage for – is 43 CFS.

Mr. Arzt showed the hydro-graph from the proposed roadway drainage system on Schoolhouse Road; he said when you go down to the 66” culvert they have a drainage area of 2.2 square miles which is 1,434 acres – it peaks in 170 minutes roughly three hours and has a peak 10 year discharge of 228 CFS – he said this is the hydro-graph for the culvert; when you superimpose the two there is an increase.

Mr. Arzt said the discharge that they are adding by picking up the drainage and moving it off of the road and putting it in to the unnamed tributary is far less than the tributary drainage peak from the watershed so it’s really very insignificant.

Mr. Arzt said it gets more insignificant as you proceed down as you proceed down the watershed – down the Ten Mile River – when you go another mile and a half, just before you get to the Quinnipiac River they have 20 square miles and a 10 year discharge of 1,370 CFS and when you turn the bend in to the Quinnipiac River they have a drainage area of 56 square miles or 3,000 CFS; so you can see how insignificant this piece of drainage is to the full watershed.

Mr. Arzt said a revised plan was submitted on September 15, 2010 and the proposed piping that did not change is shown in blue on the plan – is shows the 66” culvert; they are still out-letting on the north side; the 30’ pipe has changed to a 36” pipe; the 24” pipes went to 30” and they changed some of the single basins to doubles.
Mr. Arzt showed on the plans the location of the changes to the basins from single to double basins. He said they added more inlet capacity – not a significant change in the pipe size.

Mr. Arzt showed a detailed plan of the area where the outlet is and what they did is they are rebuilding the wall with a standard endwall and that will be reinforced; he said they are going to take back a piece of pipe and remove a piece because of the steel reinforcing in the pipe is exposed on the 66” pipe so they are going to take a section of that pipe out and replace that and then build the endwall.

Mr. Arzt said they are placing standard riprap which is about 15” to 2.5’ at the outlet to protect this and stopping at the property line.

Mr. Arzt said they are not changing the 66” culvert – the upstream culvert from this is a 10 by 5 box – they’re trying to do that because if they increase that to a box like that it would significantly change the wetlands and what they are doing is trying to repair the existing pipe, maintain the status quo and get rid of the drainage problems on Schoolhouse Road itself.

Mr. Arzt said they will be having 4’ sumps in all the catch basins so that will help collect sediment – they are proposing as they were before curbs so that will keep the erosion at the side of the road from occurring.

Mr. Arzt said they are proposing a mechanical treatment device which is a gross particle separator which will remove 80% of the total suspended solids; he said once that gets constructed – it would be inspected once a month during construction and it will be placed on the Town’s priority list – where at first they will inspect it every three or four months just to make sure that its operating properly and then it would probably be able to reduced to every six months and cleaned once a year although it probably might not need that much because a lot of these are double catch basins and with a 4’ sump you are going to pick up a lot of sediment.

Mr. Arzt said the Town is reduction their application of sand in the winter and they are going to mostly to salt so there is going to be a lot less sand being placed on the road by the Public Works Department for snow operation.

Mr. Arzt said so the double catch basins combined with the deep sumps, the gross particle separators, the stabilization of the areas with the curbs should really give a pretty good improvement to water quality and help with the drainage of the area; placing the
standard rip-rap to the property lien should give a reasonable degree of protection; he said about 90 to 95% of the storms that occur are less than an inch of rain so for most of all those storms you are not even going to see to much going out of there and that standard rip-rap; they placed a little bit larger than normally they would because of the storage distance of the within the right of way and they wanted to confine the work to the Town right of way.

Mr. Arzt said with that he would turn it over to questions.

Dr. Dimmick said he saw a note that there is a 16” water main somewhere in there.

Mr. Arzt stated yes.

Dr. Dimmick asked if they had it pin pointed or where they just going to probe for it.

Mr. Arzt said they will do a test pit at the beginning of construction to make sure they can get by that and if they have some problems with that they might change the pipe from a 30” to a squash 30’ or something like that.

Dr. Dimmick said there is also mention of a fiber optic cable.

Tony Dornwood of Cardinal Engineering addressed the Commission.

Mr. Dornwood said they would have to do the same thing there – they would possible go to twin or triple 24s or a squashed pipe as Mr. Arzt indicted.

Dr. Dimmick said so there may be some slight alterations to the plans which are going to have to be field determined.

Mr. Arzt said that was correct.

Dr. Dimmick said so they might end up – if they are given a permit here some kind of condition of how that could be worked out between the Commission and the applicant so they don’t have to come back and modify the permit.

Mr. Arzt said it would be a pipe that would have the same capacity.

Mr. Bowman asked about the 16’ water main and comment about its location.
Mr. Arzt said the 66” pipe does make it through so there’s a pretty good chance they can make it through with a 36” pipe.

Dr. Dimmick said with the fiber optics going down the middle of the road they are not going to do anything there – they hope expect they have to cross to get the pipe across.

Mr. Arzt stated correct.

Mr. Bowman asked about the box culvert crosses Sandbank Road – he said at one time that was just a 60” pipe and then the Town changed that when they went with the box culvert; so they increased the flow. He said the unnamed tributary on the plan is the Farmington Canal so he did not know why is an unnamed tributary.

Mr. Arzt said maybe they can work on changing the name.

Mr. Bowman said it should be accurate.

Dr. Dimmick asked Mr. Arzt if there were any other utilities they needed to watch out for.

Mr. Arzt said there is the water main up the road and they do have crossing pipes but normally they have 4’ of cover and they should be able to get over them.

Chairman de Jongh said he thought there was a question raised at the last public hearing about the project relative to there being any increase in velocity of the discharge coming out on the north side of the project – have we kind of answered that; he said particularly in light of the changes made from the original presentation given to the Commission in July - he said he though that question was still unanswered.

Mr. Arzt said they did show the discharge is much less and they are putting in the standard rip-rap which should give a reasonable degree of protection for outlet velocity.

Chairman de Jongh said so even though they are taking into consideration a larger drainage area the end result should be no appreciable change in what they currently have on site.

Mr. Arzt stated right – because the discharge that’s coming through the 66” pipe or possible over topping the road is much larger than
the discharge – he said you are looking at 43 CFS versus 220 CFS so the velocity should be reasonable in there.

Chairman de Jongh stated ok – he said he just wanted that information for the record.

There were no other questions from Commission members and staff.

Chairman de Jongh said it was his understanding that staff only received the plans on Thursday of last week.

Ms. Simone said she was not able to do a full review.

There were no questions or comments from the audience.

Chairman de Jongh said it was best to keep the public hearing open waiting for staff to conduct her review since she did not have a chance to review the plan in detail.

Mr. Bowman said so what you are saying is when you went out and reviewed this project and did the design that you actually – when was the last time you visited the site.

Mr. Arzt said about a week ago.

Mr. Bowman said good - because the last answer they got from the Cardinal Engineering was 30 months – he said he was glad Mr. Arzt visited the site in the last week.

Mr. Dornwood asked to correct Mr. Bowman’s comment - said he was there 30 months and then again when the wall collapsed which would have been in April 2009.

Mr. Bowman said he was just going by the statement Mr. Dornwood made at that last public hearing.

Chairman de Jongh suggested that the public hearing be continued allowing staff to review the information she was given.

Ms. Simone pointed out that handed out at tonight’s meeting there was a staff review from the Engineering Department for these plans and they believe the revised plans address the previous concerns.

Ms. Simone said she wanted to put on the record that a continuation of the public hearing - they’ve exceeded the date so
the applicant would need to agree to a 15 day extension to allow the public hearing to remain open.

Mr. George Noewatne from the Public Works Department verbally agreed to the 15 day extension.

Chairman de Jongh asked that the record show that the applicant has agreed to a 15 day extension allowing staff to do a further review on this item.

Chairman de Jongh read the memorandum which came in under communications in to the record; dated September 20, 2010 to this Commission from the Engineering Department regarding the site plan for Town of Cheshire, Schoolhouse Road drainage: the memorandum stated that “this office has reviewed the upon referenced application as revised and based on the information presented has the following comments at this time: 1. Addressed.”

This portion public hearing was continued to Tuesday, October 5, 2010.

Mr. Kurtz returned at 7:54 p.m.

2. Permit Application APP #2010-020
   Town of Cheshire DOR 7/20/10
   Regulation Amendment Change PH 9/07/10
   Section 7.1(D) and 7.1 (F)2 PH 9/21/10
   MAD 10/26/10

Attorney Pricilla Mulvaney of Murtha Cullina LLP was present on behalf of the applicant.

Attorney Mulvaney addressed the Commission.

Attorney Mulvaney said she appreciated the Commission keeping the public hearing open so she could come back with a revised amendment that addressed the concerns that were raised at that last public hearing session.

Attorney Mulvaney said she did submit to the Commission the changed amendment in two forms; one that shows the changes and a clean copy.

Commission did receive a copy of the amendments in their packets.
Attorney Mulvaney said on the first page – what she did there was in terms of providing notice to the property owner that the Town is filing an application – she did add a requirement that the Town has to notify the property owner not fewer than 21 days before the date the Town files the application; that is not even before the meeting date – its before they file the application.

Attorney Mulvaney said in addition on the second page there is a new subsection “E” which provides a new permit condition that if the Commission is going to grant the permit application of the Town that there will be a requirement that the Town must file an easement or some other – sometimes there are license agreements instead of easements with the Town to evidence that they do have the permission – the Town has the permission to go on to the property to do the project in accordance with their plans and in accordance with your permit approval.

Attorney Mulvaney said according to her recollection those were the two concerns the Commission had.

Attorney Mulvaney said she would see if there were any questions about the changes and if not she would urge the Commission’s adoption of the amendment.

Dr. Dimmick stated that he was quite happy with these changes; he said he thought they took care of any concerns he had.

Chairman de Jongh said he thought they addressed everything that was brought up.

Ms. Dunne said she was very pleased with the 21 days before filing the application.

There were no further questions or comments.

Chairman de Jongh closed this portion of the public hearing at 7:55 p.m.

VI. ADJOURNMENT

The public hearing was adjourned at 7:55 p.m. by the consensus of Commission members present.
Respectfully submitted:

Carla Mills, Recording Secretary
Cheshire Inland Wetland and
Watercourse Commission