

TOWN OF KENT INLAND WETLANDS COMMISSION

41 Kent Green Boulevard
P.O. Box 678
Kent, CT 06757
Phone (860) 927-4625 Fax (860) 927-1313

REGULAR MEETING MINUTES

The Kent Inland Wetlands Commission held a regular meeting on May 23, 2016 at 7:00 p.m. in the Kent Town Hall, 41 Kent Green Boulevard, Kent, CT.

CALL TO ORDER

Ms. Werner called the meeting to order at 7:00 p.m.

2. ROLL CALL AND APPOINTMENT OF ALTERNATES, IF REQUIRED

Commissioners Present: Lynn Werner, Chairman, Marge Smith, Vice Chairman; Eric Cieplik, Paul Yagid, and Fred Hosterman

Staff Present: Donna Hayes, Land Use Administrator
Jennifer Calhoun, Land Use Clerk

Mr. Yagid moved to add to agenda, item 6.C. Modification to application #1129-16, Steven Abbate, 99B Cobble Road, removal of beaver dam from driveway culvert, modification to include possible repair or replacement of culvert in Cobble Creek, Map 10 Block 22 Lot 2. Mr. Cieplik seconded and the motion carried unanimously.

3. READING OF MINUTES OF PREVIOUS MEETINGS

3.A. Regular Meeting Minutes, April 25, 2016.

Ms. Werner noted that on item 4.C., the site walk should be dated April 28 instead of May 28. Also, Mr. Yagid noted that he seconded the motion on item 4.C., not Mr. Cieplik.

Ms. Smith moved to amend the regular meeting minutes of April 25, 2016 as stated above. Mr. Cieplik seconded and the motion carried unanimously.

3.B. Special Meeting Minutes, April 28, 2016.

Mr. Yagid moved to approve the regular meeting minutes of April 25, 2016 as amended and the special meeting minutes of April 28, 2016. Mr. Cieplik seconded the motion carried unanimously.

Kent Inland Wetlands Regular Minutes 5/23/16

These are draft minutes. Corrections may be made by the Commission at the subsequent meeting. Please refer to subsequent meeting minutes for possible corrections and approval of these minutes.

RECEIVED FOR RECORD
KENT TOWN CLERK
2016 MAY 25 A 9:26
BY [Signature]
TOWN CLERK

4. APPLICATIONS

No action taken.

5. OLD BUSINESS

- 5.A. Application #1128-16, Virginia Bush-Suttman, 8 Bluff Road, seasonal/removable dock, Map 19 Block 15 Lot 38.

Ms. Bush-Suttman was present for the application. Ms. Hayes noted that Jesse Klingenbiel from the Housatonic River Commission was concerned about the anchoring of the deck to trees along the river's edge. Ms. Bush-Suttman presented more information about the anchoring of the trees. Ms. Smith did not think that with the information presented, the trees would die, but asked that the tethering be monitored for the first year. Ms. Bush-Suttman noted that she could add carpet around the tethering to help prevent the girdling of the trees.

The Commission and Ms. Bush-Suttman discussed the tethering of the gangway to the dock.

Ms. Smith made a motion to approve application #1128-16 with the condition that the monitoring of the trees where the tethering will occur be taken place the first season and reported back to the Land Use Administrator. Mr. Cieplik seconded and the motion carried unanimously.

- 5.B. Application #1130-16, Jeremiah O'Brien, 52 Dugan Road, deposition of woodchip material within regulated area, Map 14 Block 21 Lot 2.

The Commission had a site walk on April 28th and did not have any further concerns.

Mr. Cieplik moved to approve application #1130-16. Ms. Smith seconded and the motion carried unanimously.

- 5.C. Application #1131-16, South Kent School Corporation, 0 Bulls Bridge Road, installation of artificial turf, Map 6 Block 38 Lot 2.

David Bjorklund, Professional Engineer, Rob Champlain and Mabel Gutliph from Clark Companies were present for the application.

Mr. Bjorklund stated that the team doing this project is the same that did the Kent School fields.

Anchor Engineering, the Town Engineer, had reviewed the project and submitted a letter of concerns and Catella Engineering, LLC responded to those comments. Mabel Gutliph reviewed the changes to the Commission. This letter is attached to the minutes.

The biggest change is that the best management practice to treat the water quality went from infiltration to a grass filter strip and they changed the outflow to five-8" outlets.

Ms. Gutliph explained that a sand berm stabilized with grass would capture and treat up to a 1" storm event. She noted that with a 10 or 100 year storm event, the water would trickle over the barrier into the wetland.

The Commission and Mr. Champlain then discussed the controversy over the turf fields. Mr. Champlain stated that there have been over 90 studies done and the State of Connecticut still stands by its report from 2010. He noted there were no claims to cancer.

Mr. Hosterman was concerned about the maintenance of the sand berm and Ms. Gutliph stated that they would inform the property owners about the need for maintenance and upkeep of the berm.

Ms. Werner asked about the start of the project and Mr. Champlain stated that they would like to start in mid-June. Mr. Bjorklund added that they would like to start and finish during the summer when school is not in session.

Mr. Yagid and Mr. Cieplik noted that they had no further concerns.

Mr. Bjorklund noted that when Anchor Engineering reviews Catella's comments, he was sure any issues could be worked out over the phone.

Ms. Werner suggested acting on the application with the understanding that the Town Engineer could review the comments and pose new comments and questions that would need to be answered by Catella Engineering.

Mr. Cieplik moved to approve application #1131-16 with the understanding that Anchor Engineering could review and comment on Catella's changes to the plans based on their initial review. Mr. Yagid seconded and the motion carried unanimously.

5.D. Replacement of Carter Road Culvert over Kent Falls Brook.

Per conversation with Bruce Adams and Donna Hayes 5/23/16

- The DEEP Fisheries has signed off.
- The Army Corps of Engineers is ready to sign off but CANNOT until the DEEP grants the 401 Water Quality Certification. Bruce received an email from a representative of the DEEP who was "non-committal" regarding when that signoff would occur.
- Once the DEEP grants the 401 WQC, the Army Corps of Engineers will sign off and the Town can award the bid.
- Construction will start ASAP after that.

6. NEW BUSINESS

- 6.A.** Modification to Application #1063-13, Cheryl Van Achte, North Spectacle Lake, partial removal of newly constructed beaver dam along with continued maintenance, modification to include the installation of additional protective fence systems at the intake and outlet of culvert, Map 16 Block 22 Lots Multiple.

The Commission members had read the e-mails back and forth, which were submitted in the Commission member's packets. The Commission did not have any questions.

Mr. Cieplik made a motion to approve the modification to application #1063-13. Ms. Smith seconded and the motion carried unanimously.

- 6.B. Modification to Application #881-08, Joseph Yasgur, 53 Davis Road, addition to residence, modification to include change of lower terrace from on-grade to wood decking and removal of remaining boat storage shed and foundations/construction of on grade flagstone patio, Map 16 Block 22 Lot 11.

Wesley Wyrick, Architect was present for the modification. He noted that the owner would like to take down the remaining boathouse and put down a flagstone terrace, equal or smaller in size than the existing boathouse. They also would like to modify the plan to change the lower terrace of pavers to a wood deck with gravel underneath. They would also propose to move the septic system closer to the lake because the calculations for the septic were better in that location. Mr. Wyrick noted that he would get an approval letter from Cathy Weber of Torrington Area Health Department. The Commission agreed that this could be included with the modification.

The Commission had no further questions.

Mr. Yagid moved to approve the modification to application #881-08 as proposed with the addition of the septic system relocation that is subject to approval from the Torrington Area Health Department and a sedimentation and erosion control plan to be submitted to the office. Mr. Cieplik seconded and the motion carried unanimously.

- 6.C. Modification to application #1129-16, Steven Abbate, 99B Cobble Road, removal of beaver dam from driveway culvert, modification to include possible repair or replacement of culvert in Cobble Creek, Map 10 Block 22 Lot 2.

No one was present for the modification. Ms. Hayes noted that Mr. Abbate seemed to think his driveway and culvert were collapsing. She stated that she visited the property and did not think the culvert would need to be replaced. She did, however, think that the edges of the culvert needed to be repaired somehow. Mr. Abbate was going to call Brian E. Neff, Engineer to review the site and determine what needed to be done, but she had not heard from either Mr. Neff or Mr. Abbate.

Mr. Cieplik made a motion to table the modification to application #1129-16. Ms. Smith seconded and the motion carried unanimously.

7. COMMUNICATIONS TO THE COMMISSION

A. WRITTEN

- 7.A.1. DEEP Permit Applications for the Use of Pesticides in State Waters for: North Spectacle Lake; Skiff Mountain Pond

Ms. Smith noted her concern about bodies of water downstream being effected by the pesticide treatment. Both of the applications said that they would not. She felt the North Spectacle Lake eventually drains into the Aspetuck River and that the Skiff Mountain Pond eventually drains into Macedonia Brook.

The Commission questioned the phragmites removal on the Skiff Mountain Pond application. Ms. Werner wondered if the applicant would need a permit because they are applying the pesticides to the phragmites on land also. She felt the Commission may have jurisdiction. Ms. Hayes noted that she

would contact Laurie Doss from Marvelwood School or Bill Arnold from the Kent Land Trust to receive more information.

7.A.2. Spring 2016 issue of *The Habitat*.

The Commission received this document.

7.A.3. DEEP Legal and Administrative Update Workshop

Ms. Hayes noted that she would be attending this workshop.

A. VERBAL

ADJOURNMENT

Mr. Yagid moved to adjourn at 8:05 p.m. Ms. Smith seconded and the motion carried unanimously.

Respectfully submitted,



Jennifer Calhoun
Land Use Clerk

CATELLA ENGINEERING LLC

P.O. Box 464
Delhi, New York 13753-0464

May 20, 2016

Ms. Donna M. Hayes, Land Use Administrator
Town of Kent
41 Kent Green Boulevard
Kent, CT 96757

RE: Site Plan Review – Response to Anchor Engineering Review of May 18, 2016
South Kent School Multi Use Athletic Field
Bulls Bridge Road, Kent, CT

Dear Ms. Hayes,

Please find the following comments and responses to the engineering review from Anchor Engineering dated May 18, 2016. Plan views and sections are being revised to accommodate the changes as listed below which will follow.

1. Information regarding the source of the wetland line and flags shown on the mapping should be added.

Wetland delineation was performed by Milone and MacBroom, source information will be noted on the plan set.

2. The report lists the slope from corner to corner of the field incorrectly (Section 3).

The report has been corrected to match the plan set.

3. Since there are proposed disturbances so close to the wetlands, it is recommended that the proposed silt fence be backed with staked hay bales for additional protection. A detail for this should be added to the plans.

Details of the staked hay bales have been added to the plans.

4. Proposed soil stockpile areas should be shown and the “limits of disturbance” adjusted if necessary. Erosion control measures for the stockpiles should be included.

Soil will not be stockpiled onsite. All topsoil that is stripped will be removed from project site and relocated to another location on campus where it will be graded and stabilized. Any topsoil required to restore “lawn areas” around the turf field will be brought back and placed. A diagram of the movement of the soil to it’s new location is attached.

5. Soil borings should be shown darker on the plans and labeled.

Boring locations will be made darker and labeled.

6. It is recommended that a swale be added on the west side of the field in the area of the proposed 6" underdrain to collect the surface flow prior to the field.

A swale with drain piping has been added to the west side of the field and a detail added to the plans to ensure run-on water will be intercepted.

7. Details should be added for:

- o 6" underdrain, showing the size and type of stone and filter fabric wrapping the stone;

Detail added.

- o Stone trench for infiltration, showing the size and type of stone, filter fabric and its relationship with the 8" stone and turf above;

The stone in the trench and field stone base are the same product, gradation added to plans. Filter fabric will be placed in the bottom of the trench per the cross section details.

- o Proposed grass swales, giving the proposed width of the bottom, depth and slope of the sides (see comment 9);

Cross section details have been added to the plans.

- o 12" flat panel drain;

The flat drain profile has been amended from "composite flat drain" to "12" flat panel drain".

8. We recommend that filter fabric be installed at the top or bottom of the 8" stone layer to prevent the migration of materials that may clog the drainage stone area.

Filter fabric is shown in the details at the bottom of the stone layer (between subgrade and the stone base) and will be installed accordingly.

9. In the drainage computations: the channel widths shown appear larger than shown on the plans. Also, it is recommended that no infiltration be included in the computations due to the poor existing soils, and high groundwater elevations.

The channel widths in the computations and plans appear to be consistent. We have changed the computations to reflect no infiltration as requested. We will now propose to treat the required water quality volume using grass filter strips.

10. What material is proposed for the level spreader?

A 12" x 24" "pea gravel" level spreader is proposed. Material of construction will be an ASTM #6, ¾" crushed stone

11. The proposed 24" diameter manholes do not appear to be large enough to accommodate the proposed pipes.

Outlet pipe sizes have been decreased to 8" diameter, manhole diameters are verified.

12. There is no cover over the proposed 18" diameter outlet pipe as shown and the 15" diameter pipe has shallow cover in areas.

Pipe cover on the 15" pipe meets the 1' minimum per manufacturer's guidelines. The proposed 18" pipe has been changed to 5-8" pipes to spread the outflow in accordance with your recommendations.

13. Outlet protection should be provided at the proposed 18" outlet pipe.

A "pea stone" level spreader has been added to the outfall of the new 8" outlet pipe system.

14. Items to consider with the proposed infiltration system:

Infiltration will no longer be utilized as a BMP for water quality.

- o The bottom of the system should be located at least 3 feet above the bedrock and seasonally high groundwater table;

No longer applicable, infiltration will no longer be utilized as a BMP.

- o The existing "C" soils are not conducive to infiltration;

No longer applicable, infiltration will no longer be utilized as a BMP.

- o The bottom of the stone infiltration system should be located below the frost line;

No longer applicable, infiltration will no longer be utilized as a BMP.

- o Consider installing a system to store the stormwater with no infiltration due to site conditions;

System to be installed is engineered to store stormwater with no infiltration.

- o Recommend reviewing the use of several small outlet pipes from the 15" diameter collection pipe instead of a single 18" diameter pipe. This would spread the flow out and reduce the amount of concentrated flow being directed to a single point at the wetlands;

The recommendation has been studied and implemented. We now propose the use of 5 – 8" pipes in lieu of the 18" pipe initially proposed. Pipes will outlet to a level spreader to restore the sheet flow characteristics of the pre-developed site and eliminate the risk of channelized flow and erosion. Plans and details now reflect this.

15. Additional information should be included on the details/plans to address the stripping of existing topsoil/unsuitable materials and specify the material to be placed below the 8" stone base. The geotechnical report recommends a minimum of 18" of non-frost susceptible materials (including the field surface and 8" dynamic stone).

The material to be placed below the 8" stone base will be onsite native material. This material will be re-shaped to achieve the design subgrade elevations which mirror the proposed finish grade of the field in line and grade, maintaining a consistent 8" profile of drainage stone. The field subgrade material will be compacted to 90%. A woven stabilization fabric will be placed on subgrade beneath the drainage stone layer for added stability.

The geotechnical engineer's recommendations for 18" of non frost susceptible material will be considered if the subgrade is deemed not capable of supporting the construction equipment without rutting as observed during construction. Clark has installed fields with this profile in similar conditions that still after many years of service perform at the highest level after many years of service.

We hope that the above narrative and revised plan sections fully address the concerns raised by our initial athletic field design submission. We will make any effort necessary including meeting at Anchor Engineering's convenience to resolve any outstanding issues. Please feel free to contact us at your convenience.

Sincerely,

A handwritten signature in black ink, appearing to read "James D. Catella". The signature is fluid and cursive, with the first name "James" and last name "Catella" clearly distinguishable.

James D. Catella, PE

Relocated Topsoil
Permanently
Stabilize



Project Location

South Kent School

St. Michael's Chapel

Google

South Kent Project
Topsoil Relocation