

Northeast Aquatic Research, LLC

George W. Knoecklein, Ph.D.
74 Higgins Highway
Mansfield Center, CT 06250
860 - 456 - 3179
www.northeastaquaticresearch.net

August 17, 2017

Conservation Lake Commission

RE: Water quality monitoring at Lake Pocotopaug 2017-2018 REVISED SCOPE

Purpose

This proposal covers visits to Lake Pocotopaug to assess on-going water quality conditions from July 1, 2017 to June 30, 2018. During each visit to the lake, the water clarity, water temperature, dissolved oxygen, conductivity, and primary nutrient content will be measured at two established locations: Markham and Oakwood.

Lake Pocotopaug will be screened for the presence of cyanobacteria during each visit from one or more locations depending on conditions.

Water quality monitoring will be conducted over fourteen lake visits between July 2017 - June 2018.

Month	Number of Monitoring Visits
July 2017	2
August 2017	2
September	2
October	2
November	1
March	1
April	1
May	1
June	2
Fiscal Year Total	14

Lake Pocotopaug Sampling Details

Regular lake water quality samples collected at each of two (2) deep water stations (16x)

<u>Parameters</u>	<u>Depth of Samples</u>	<u>Cost per Visit</u>
Total Phosphorus	1, 4, 8 meters at two stations (6)	\$ 144.00
Total Nitrogen	1, 8 meters at two stations (4)	\$ 96.00
Ammonia-N	1, 8 meters at one station (2)	\$ 48.00
Nitrate-N	1, 8 meters at one station (2)	\$ 48.00
Monthly total		\$ 336
Annual Total	14 visits	\$ 4,707

Plankton Samples:

Regular lake plankton including cyanobacteria x 14 visits
 \$50.00/sample x 14 samples = \$ 700.00

2017-2018 Lake Pocotopaug Monitoring Budget		
<i>Lake Monitoring Visits (14)</i>	July 2017 - June 2018	\$ 6,440.00
<i>Lake Water Quality Samples</i>	July 2017 - June 2018	\$ 4,707.00
<i>Plankton Samples</i>	July 2017 - June 2018	\$ 700.00
<i>Regular Monthly Meeting Attendance</i>	2017-2018	\$ NC
<i>Annual 2017 Monitoring Report</i>	2017-2018	\$ 3,100.00
REVISED BUDGET 8-17-17		\$14,947.00

As always, if you have any questions please call me at 860-456-3179, or use email at northeastaquaticresearch@gmail.com.

Sincerely,

George W. Knoecklein

Northeast Aquatic Research, LLC
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Mansfield Center, CT 06250
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January 19, 2017

Conservation Lake Commission

RE: Water quality monitoring at Lake Pocotopaug 2017-2018

Purpose

This proposal covers visits to Lake Pocotopaug to assess on-going water quality conditions from July 1, 2017 to June 30, 2018. During each visit to the lake, the water clarity, water temperature, dissolved oxygen, conductivity, and primary nutrient content will be measured at two established locations: Markham and Oakwood.

Lake Pocotopaug will be screened for the presence of cyanobacteria during each visit from one or more locations depending on conditions. Water samples will be submitted for analysis of the toxin Microcystin when conditions of very poor water clarity and/or scum formation exist and will be done so in communication with the local Public Health Department.

Water quality monitoring will be conducted over sixteen lake visits.

Month	Number of Monitoring Visits
July 2017	2
August 2017	2
September 2017	2
October 2017	2
November 2017	1
March 2018	1
April 2018	2
May 2018	2
June 2018	2
Fiscal Year Total	16

An aquatic plant survey will be conducted in the lake to determine the species and abundances of each and to screen for invasive aquatic plants. At that time we will continue the shoreline survey monitoring to assess condition of banks, and presence/absence of vegetation buffers.

Eighteen sites will be visited during 3 storm events. All inlets samples will be analyzed for total phosphorus, total dissolved phosphorus, total nitrogen, total suspended solids, and water flow.

Lake Pocotopaug 2015-2016 Monitoring

NEAR will attend monthly town planning meetings during this period. We will also include an End-Of-Season planning meeting to discuss the results of the season's work and set goals for the following season. At this meeting, I will give a PowerPoint presentation that summarizes the results of the annual monitoring.

Lake Pocotopaug Sampling Details

Regular lake water quality samples collected at each of two (2) deep water stations (16x)

<u>Parameters</u>	<u>Depth of Samples</u>	<u>Cost per Visit</u>
Total Phosphorus	1, 4, 8 meters at two stations (6)	\$ 144.00
Total Nitrogen	1, 8 meters at two stations (4)	\$ 96.00
Chlorophyll	1 meter (1)	\$24.00
Ammonia-N	1, 8 meters at one station (2)	\$ 48.00
Nitrate-N	1, 8 meters at one station (2)	\$ 48.00
Monthly total		\$ 360
Annual Total	16 visits	\$ 5,760

Tributary Water Quality Samples:

Eighteen inlets during two storm events sampling (3x),

All samples analyzed for Total Phosphorus, Total Nitrogen, and Total Suspended Solids

Watershed collections and water flow measurement	\$ 1,500.00
Watershed nutrient analysis \$756/visit x 3 visits =	\$ 2,268.00

Five largest inlets and the outlet monthly during regular lake visits (9x)

Five inlets to the lake and the outlet will be sampled for Total Phosphorus and Total Nitrogen

Inlets lab analysis \$288/visit x 9 visits =	\$ 2,592.00
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Plankton Samples:

Regular lake plankton including cyanobacteria x 16 visits	
\$50.00/sample x 16 samples =	\$ 800.00
Microcystin testing \$200/ samples (3).....	\$ 600.00

Aquatic Plant Survey

The aquatic plants in the lake will be surveyed once during the summer to map native species and detect the presence of invasive species

	\$ 620.00
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Grant Preparation Assistance

We will assist with the preparation of grant applications as needed..... \$3,600.00

2015-2016 Lake Pocotopaug Monitoring Budget		
<i>Lake Monitoring Visits (16)</i>	April - Nov	\$ 7,360.00
<i>Storm Water Samples (3 times)</i>	Anytime July 2017 – June 2018	\$ 3,768.00
<i>Lake Water Quality Samples</i>	July 2017 – June 2018	\$ 5,760.00
<i>Inlet Water Quality Samples</i>	July 2017 – June 2018	\$ 2,592.00
<i>Plankton Samples</i>	July 2017 – June 2018	\$ 800.00
<i>Toxin Testing</i>	Summer 2017	\$ 600.00
<i>Aquatic Plant Survey</i>	August-September 2017	\$ 620.00

Lake Pocotopaug 2015-2016 Monitoring

<i>Annual Monitoring Report Preparation</i>	January 2018	\$ 3,600.00
<i>Management Plan Preparation</i>	Oct – Nov 2017	\$ 1,600.00
<i>Regular Monthly Meeting Attendance</i>	2017-2018	\$ NC
<i>Prepare STEAP Grant Applications As Needed</i>	2017-2018	\$ 3,600.00
	Total Project Cost	\$30,300.00

As always, if you have any questions please call me at 860-456-3179, or use email at knoecklein@sbcglobal.net.

Sincerely,

George W. Knoecklein

Sirois, Cathy

From: Maniscalco, Mike
Sent: Thursday, October 05, 2017 9:04 AM
To: Sirois, Cathy
Subject: Fwd: Permission for Memorial Tribute to John Fidler

For the packet

Best regards,

Michael Maniscalco, MPA
Town Manager
Town of East Hampton
860-267-4468

Begin forwarded message:

From: "Smith, Paul" <psmith@easthamptonct.org>
Date: October 5, 2017 at 9:02:19 AM EDT
To: Mike Maniscalco <mmaniscalco@easthamptonct.gov>
Subject: **Permission for Memorial Tribute to John Fidler**

Mike,

At the East Hampton Board of Education meeting on October 2, the Board voted unanimously to name the roadway leading to the school, the John Fidler Way. I am hoping that you will add an agenda item on an upcoming Town Council meeting in order for them to vote to grant permission for this. We are not looking to change the address of the school. The school's address would be:

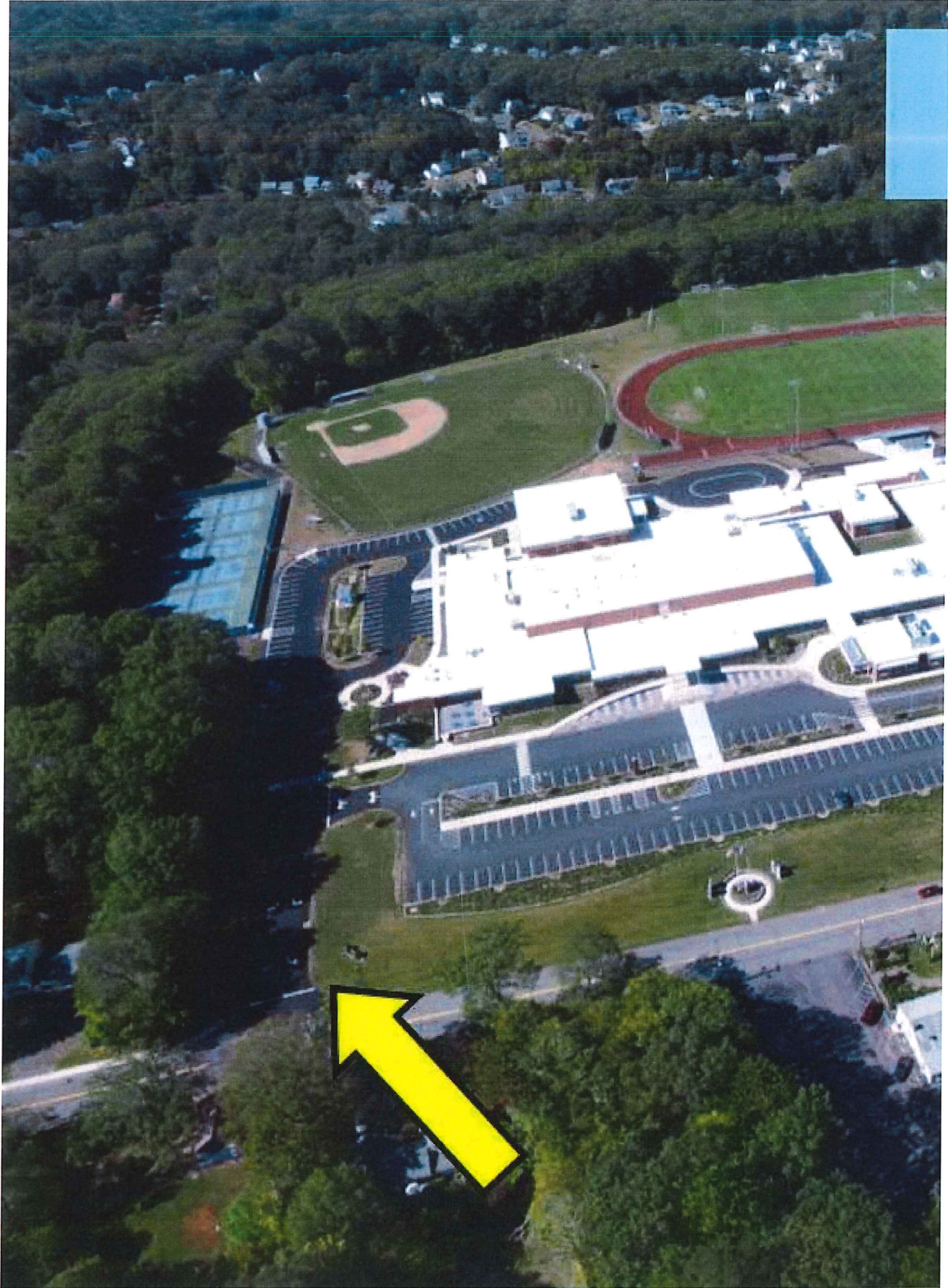
East Hampton High School
John Fidler Way
15 North Maple Street
East Hampton, CT

We would look to have signage at the entry and exit roadway to the school.



Once approval is granted by the Town Council and signage is in place, the High School will have a formal dedication ceremony to honor John.

Paul





MEMO

TO: Town Council
FROM: Michael Maniscalco, Town Manager
CC: Jeff Jylkka, Finance Director
DATE: 10/2/17
SUBJECT: Revenue Deficit mitigation plan

TOWN COUNCIL

- Patience Anderson
Chairperson
- Ted Hintz, Jr.
Vice Chairman
- Peter Brown
- Melissa Engel
- Mark Philhower
- Josh Piteo
- Kevin Reich

With the continued lack of a State Budget the following plan has been developed to help offset whatever type of cut to municipal aid that may occur. The following option are only that and any combination and/or variation of them could be acceptable based on the results of the State of CT budget process.

- Est. 2017 surplus: \$318,000
 - Add. Tax Revenue: \$495,000
(BOF+.44mills to current budget)
 - Add. Revenue from Tax Sale: \$750,000
 - Suspend non-critical Capital: \$1,700,000
 - Town Hiring Freeze: \$150,000
 - Park & Rec Spec Rev.: \$50,000
 - PD Special Rev.: \$16,000
 - Additional Fund Balance: \$250,000
(Amount will have minimal impact on credit rating)
- Total: \$3,729,000



Office of the COLLECTOR OF REVENUE
KRISTY MERRIFIELD, CCMC
kmerrifield@easthamptonct.gov

October 10, 2017

To: The East Hampton Town Council,

The documentation for the tax refunds listed below is available in the Office of the Collector of Revenue for your review. There are nineteen refunds totaling \$2,179.07.

Respectfully Submitted,

Kristy L. Merrifield, CCMC
Collector of Revenue

250.09	+
19.20	+
79.46	+
66.40	+
97.08	+
16.10	+
6.89	+
93.96	+
11.96	+
27.48	+
104.92	+
266.38	+
57.32	+
37.50	+
395.60	+
48.79	+
9.46	+
274.33	+
316.15	+
019	
2,179.07	*

BOARD AND COMMISSION SUMMARY SEPTEMBER, 2017

250th Anniversary Committee

The 250th Anniversary Committee held a meeting September 18. An East Hampton timeline was reviewed, this will be posted on the website. The upcoming events of trivia night, the fall festival and the gala were discussed.

Arts & Culture Commission

The Arts & Culture Commission met on September 21st at the Joseph N. Goff House. Members discussed details for the Open Studio event. The Commission will have a booth at the 250th Anniversary Open Air Festival. They are awaiting word from the High School regarding the presentation of the Art Purchase Award. They discussed the Epoch Arts Networking Event and the Photo Contest. They also provided updates on upcoming events in town.

Board of Finance

On Monday September 18th, the Regular Meeting of the Board of Finance was held at the Town Hall Meeting Room. While no actions were taken at this meeting, topics discussed included:

- The resignation of Board Member, Steve Ritchie
- A preview of FY 2017 closing numbers
- State Budget information received Friday but no longer relevant
- An expressed interest from Board Members to be more involved in Board of Education contract negotiations and insight into fiscal year end spending

Brownfields Redevelopment Agency

The Brownfields Redevelopment Agency held their regular meeting September 25. Work is not yet complete at 13 Watrous St. A special meeting was held earlier in September to choose a driller for the residential drill at 4 Starr Place that is associated with the STEAP grant at 13 Watrous. Part of the fence at 13 Watrous will be temporarily removed so that trailers from 1 Watrous can be removed safely. A bid proposal is being created for soil remediation work at 13 Watrous. An extension request for the grant has been submitted to the State.

Clean Energy Task Force

The Clean Energy Task Force held their regular meeting September 5. They discussed the upcoming green/electric car show at Sears Park on Saturday, September 9 from 12 – 4.

Commission on Aging

The Commission on Aging met on September 14th. The Senior Center Director provided an overview of senior activities at the Center. The CRT program is back on track but the new fiscal year for that program begins on October 1, 2017. The Everbridge informational flyer was distributed in the Rivereast. The transportation brochure is still in process. Members reviewed the presentation that will be given to the Town Council regarding the survey responses. The next Round Table meeting with neighboring Commission on Aging groups is scheduled for October 5th.

Conservation-Lake Commission

The Conservation-Lake Commission held a meeting September 14. There was discussion on a possible upland review area change that the Commission is working with Inlands, Wetlands on proposing. A resolution was approved for presentation to the Council regarding keeping NEAR and Dr. Knoecklein as the sole contractor for limnology. There may be a sub-committee forming to administer a lake smart program in which residents along the lake that make improvements to their properties that help keep runoff from entering the lake will be recognized in some way.

Design Review Board

The Design Review Board met on September 21st. The members discussed Planning & Zoning topics that will be discussed at the upcoming P&Z meeting. Applications for signs for Yellow Marigold Massage, 95 Main Street; ECO Coffee House, 82 Main Street; Verizon Store, 11 East High Street; Epoch Arts, 27 Skinner Street were all approved. An application for stairs at 72 Main Street approved the packet and papers submitted by the owners but the committee would like the Building Official to approve the changes before approval from the Committee can be finalized. The Committee voted to change the start time of their meetings from 6:30pm to 7:00pm.

Economic Development Commission

The Economic Development Commission met on September 19. Loco Perro is the next Belltown Spotlight on Business. A possible Spring business networking event for local businesses and the public was discussed, to be held in the Village Center. An informational handout was created and forwarded to the Town Manager for review.

Ethics Commission

No meeting

Fire Commission

The Board of Fire Commissioners held a regular meeting September 11. There were votes to approve construction of a deck on Company #1 and purchase of replacement gloves and helmets. There was discussion of an outside burn complaint at 7 Barton Hill and the fire marshal's cause and origin report from the St. Clements fire, which was not yet available at the time of the meeting.

High School Building Committee

The High School Building Committee held their regular meeting September 21. The last of the punch list is 95% complete and close out processes have begun. Plastic piping was run to the kitchen, and has been working and testing well. This is now providing potable water to the kitchen with no copper issues. The plan is to move on and run the plastic piping to other areas of the school that need to have potable water (not toilets or bathroom sinks), but the State Department of Public Health needs to approve the plan before the school can move forward.

Inland Wetland Watercourses Agency

The Inlands Wetlands and Watercourses Agency held their regular meeting on September 27. Applications were approved for single family home construction at 59 Spellman Pt., a

bulkhead replacement at 8 West Pt., corrective stream piping in the wetlands at 18 Flanders, and a permit modification for paving at 18 West Pt. There was discussion on possible changes to the upland review area around the lake from 100' to 150' or 200' or to include whole properties that fall at any part into the upland review line.

Joint Facilities

The regular meeting of the Colchester – East Hampton Joint Facilities Committee was held at the Colchester-East Hampton Waste Water Treatment Plant Meeting Room on Tuesday September 19th at 5:00 P.M. Mr. Clayton shared the Joint Facilities Operations and Maintenance reports for July and August. He gave a brief overview of routine repairs. Key items discussed were; Valve replacement on RAS #1 and valve installation at Wellswood pump station. Installation of several manholes riser on Rt. 16 and slip lined broken sewer line behind Loco Perro. Driveway was chip sealed in August. Mr. Smith reported on the 2017/18 operating budget. The 16/17 fiscal year budget has been closed out and the Audit report should be finalized by the end of September. Mr. Clayton stated that the Auto Septage Station has been installed and startup will be on 9/22/17. The Barscreen Compactor has been put into the headworks building and will be installed into the channel on 9/20/17. The Polymer system that was originally purchased for the RDT system is installed and operational for the belt press.

Library Advisory Board

The Library Advisory Board met on September 11th. The Community Conversations were reviewed as well as suggestions for a Friends of the Library group meeting.

Middle Haddam Historic District Commission

The Middle Haddam Historic District Commission met on September 28th. An application for 36 Middle Haddam Road to replace exterior light fixtures and the addition of a street number plaque was approved. An application for 95 Middle Haddam Road to add a front entryway, to replace the front door and sidelights and to replace the garage door was approved.

Parks & Recreation Advisory Board

The Parks & Recreation Advisory Board met on September 5th. They discussed Seamster Park and the fundraising efforts, the Regatta hosted at Sears Park, Field Use Regulations and Winter Programming.

Planning & Zoning Commission

The Planning & Zoning Commission met on September 6th.

Application of Main St Venture, LLC, 3 Main St, for a Text Amendment for PO/R Zone. – Continued to October.

Amendments to East Hampton Zoning Regulations- Section 8.4.M, Special Regulations, Standards for Specific Uses, Accessory Dwelling Units. – Continued to October.

Application of Roncalli Institute, Inc. 49 Oakum Dock, for a Zone Change: from R-2 to Commercial. Map 2/Block 9A/Lot 4 – Continued to October.

Application of Dollar General – Garrett Homes, 197 East High St., for a Zone Change: from R4 to Commercial. Map 37/Block 71/Lot 1.- Continued to October.

Town Facilities Building Committee

The Town Facilities Building Committee held meetings on Sept. 6 & 28. The public relations sub-committee has been giving informational presentations to interested groups. A PAC was formed by some citizens in town, and the PAC has been spreading information as well.

Water Development Task Force

No meeting

Water Pollution Control Authority

The regular meeting of the Water Pollution Control Authority Committee was held at the Colchester-East Hampton Waste Water Treatment Plant Meeting Room on Tuesday September 5th at 6:00 P.M. Mr. Smith reported on the three public water systems, Village Center and Royal Oaks are running as expected. Hampton Woods water system building structure is complete with all necessary equipment in the process of being installed. Mr. Smith confirmed that the town designated engineer is closely overseeing the work. The Municipal Water System was approved by the Town Council to move forward with an interconnection feasibility study, engineering firm Tighe & Bond have been engaged. It's anticipated that they will receive a recommendation before year end. Mr. Smith presented a letter from ZI Partnership a representative for Mr. Zahavei, outlining a request for 6625 gpd of water to move forward with development of 13 Summit Street. Mr. Smith informed the committee members of the \$27,693.70 owed in sewer fees along with ~\$70,000 in back property taxes. While the committee acknowledged the benefits of utilizing the excess capacity that exists (rate reduction for all users), they also acknowledged the need to make Town Council aware of the back fees and taxes owed. Committee recommendation to the Town Council will be required for this request to be granted. The regular meeting broke off at 6:30 for Public Hearing for the FY 17/18 Sewer Rates. Jack Anstett, 85 North Main St. Unit 133: expressed concern on the increase itself as well as the process followed for the public hearing (timing, legal notification, etc.). His concerns were referenced with the applicable state statute(s) regarding the timing and notification and referencing the increased cost to operate as well as increased maintenance costs as the reason for the increase. The members unanimously approved the Sewer Use Rates/ Commercial Connection Charges for 17/18 fiscal year.

Zoning Board of Appeals

No meeting