

Board of Education Workshop

Monday, April 8, 2019 9:00 AM

Central Office Annex Conference Room, 24 School Road, Weston, CT 06883-1623

I. Discussion and Vote on Memorandum of Understanding with the Weston Teachers' Association

II. Discussion and Vote on WMS Septic Tank Removal, Disposal and Repair, WMS Inflow & Infiltration Study and HES Septic Field Inspection

III. Budget

IV. Adjournment

WESTON BOARD OF EDUCATION

Weston, CT

Meeting Date: April 8, 2019

Information Only

Action Requested

Agenda Item Subject: Discussion and Vote on Memorandum of Understanding with the Weston Teachers' Association

Submitted by: Lewis Brey

Document Summary/Purpose and/or Recommended Action:

Memorandum of Understanding with the Weston Teachers' Association document to be attached at a later date.

For more Board of Education Meeting and Committee Meeting Information, visit:
<https://meeting.cabe.org/public/Agency.aspx?PublicAgencyID=47&AgencyTypeID=1>

WESTON BOARD OF EDUCATION

Weston, CT

Meeting Date: April 8, 2019

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Action Requested

Agenda Item Subject: Discussion and Vote on WMS Septic Tank Removal, Disposal and Repair, WMS Inflow & Infiltration Study and HES Septic Field Inspection

Submitted by: Richard Rudl

Document Summary/Purpose and/or Recommended Action:

Memorandum from Richard Rudl and attached quote from Veolia dated April 3, 2019 regarding three items related to the WPS sewage and septic system.

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<https://meeting.cabe.org/public/Agency.aspx?PublicAgencyID=47&AgencyTypeID=1>



MEMORANDUM

To: Weston Board of Education
Date: April 8, 2019
From: Richard Rudl, Director of Finance & Operations
CC: William McKersie, PhD., Superintendent of Schools
Subject: Veolia Next Steps Proposal

Enclosed for review and approval is Veolia's proposal to address the following items related to our sewage and septic system:

1. Middle School Septic Tank Removal, Disposal and Repair of Inverted Manhole Wall: \$96,000
 2. Middle School Inflow & Infiltration Study: \$81,000
 3. Hurlbutt Elementary School Septic Field Inspection \$75,000
- Total: \$252,000**

The emergency repairs at the Middle School, completed in February, totaled \$365,834. If the BOE approves the three items listed above, the total cost would be \$617,834. This amount would require a Supplemental Appropriation from the Board of Selectman and Board of Finance.

Still pending is a campus wide analysis of the sewage and septic system. The analysis would potentially include Town facilities as well. We intend discuss the system-wide analysis at the May 2019 Facilities Committee meeting.



April 3, 2019

Weston Board of Education
24 School St.
Weston, CT 06883-1699

Subject: Weston Middle & Elementary Schools
Removal of Septic Tank and Engineering Investigations

Dear Mr. Rudl:

In accordance with Article 10 of the Agreement for Operations, Maintenance, and Management dated May 21, 2018, Veolia is pleased to provide an estimate for construction and engineering services requested at the Zenon Membrane Wastewater Treatment Plant located on School Road, Weston, CT.

Project Pricing:

Middle School Septic Tank Removal & Disposal:	\$96,000.00
Middle School Inflow & Infiltration Study:	\$81,000.00
Elementary School Septic Field Investigation:	\$75,000.00
Total:	\$252,000.00

Scope of Work:

The proposed improvements consist of services for the following:

Middle School Septic Tank Removal

- 1) Empty and clean existing septic tank
- 2) Excavate, demolish and fill in existing septic tank no longer in use
- 3) Haul out all concrete and haul in clean fill
- 4) Demo existing concrete invert in manhole and rebuild with sewer brick. Cut PVC pipe to be flush to manhole wall
- 5) Compact, grade, loam and seed lawn area over newly demolished tanks
- 6) Grade, loam and seed lawn area above concrete wall from previous tank demo and piping install
- 7) Submit Holding Tank Closure Report to CT-DEEP.

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Middle School Inflow & Infiltration Study

1) Utility Mapping

- a) Develop mapping of existing underground utility mapping for water, storm drainage and sewer for the High, Intermediate, Middle and Elementary School system. Utility mapping will include the location of the water supply wells, underground septic tanks and wastewater treatment facility. Mapping will be GIS based and compatible with the Town's GIS system.
- b) Develop base mapping utilizing a drone to collect photographs of the project areas. Assemble aerial photographs to create a map book let for the utilities.
- c) Collect GIS points of water, storm drainage, wastewater assets.
- d) As necessary, open and conduct a confined space entry in wastewater or storm drainage manholes to verify the pipe diameter and material.
- e) Prepare and submit mapping to the Town.
- f) Update mapping based on review comments and resubmit to Town.

2) Smoke Testing

- a) Prepare for and conduct one day of smoke testing for the sanitary sewer system around the Middle School.
- b) The smoke testing work will take place during Spring vacation. Prior to performing any smoke testing, VNA will notify School Facility Manager, residents and emergency response personnel of the smoke testing activities. This task will also include for VNA to contact Town Dispatch Center or Fire Department and tell them where smoke testing will be occurring.
- c) Deploy one four-person crew to perform smoke testing using a gas-powered blower placed over centrally-located manholes. Pressurized liquid smoke will then be released into the blower to fill the surrounding sewer system with non-toxic smoke vapor.
- d) Review and analyze smoke testing data for preparation of results and recommendations.
- e) Prepare and submit a draft memorandum of the smoke testing activities, along with applicable photos to Town.
- f) Prepare for and meet with the Town at a progress meeting to present and review the draft Smoke and Dye Testing memorandum. Based on meeting, revise memo and submit a final memo to Town.

3) Dye Testing

- a) Prepare for and conduct one day of dye testing of the school's roof drains and any identified inflow sources observed from the smoke testing. VNA will deploy a four-person crew to conduct the dye testing.
- b) The dye testing work will take place during Spring vacation.
- c) Prior to performing any dye testing, VNA will notify Town emergency response, fire or Dispatch Center and School personnel of the dye testing activities and where dye testing will be occurring.
- d) Review and analyze dye testing results.
- e) Prepare and include dye testing activities, applicable photos and results in the Smoke and Dye Testing Memorandum.

Elementary School Septic Field Investigation

- 1) Perform test pits or bore holes within the leach field, collect and test the soil samples to ascertain if the existing leach field is failing. Review and analyze the leach field test results.
- 2) Summarize findings of the site visit, observations of the existing wastewater facilities (septic tank, pumping facilities, leach field), conclusions and if necessary, any recommendations in a memo. Recommendations to include:
 - a) Rehabilitation of leach field
 - b) Replacement of leach field with a new leach field
 - c) Abandon leach field and transport septage to a nearby wastewater treatment facility
 - d) Abandon leach field and pump to existing collection system and treatment facility.
- 3) Submit a draft memorandum to Town for review.
- 4) Meet with the Town to review the memo and findings.
- 5) Update the memo based on findings and resubmit a final copy to Town.

Qualifications:

- 1) Work will be performed pursuant to the Agreement for Operations, Maintenance, and Management dated May 21, 2018.
- 2) Proposal is valid for a period up to thirty (30) calendar days.

Exclusions:

- 1) Testing, removal, and disposal of hazardous or contaminated materials
- 2) Permit Fees
- 3) Utility Fees
- 4) Winter construction.

Thank you for the opportunity. Please call me at (857) 401-9827 if you have any questions or comments.

Sincerely,

Hans E. Tuneblom, P.E.
Veolia Water North America – Northeast, LLC

cc: John Oatley - Veolia
Matthew Johnson - Veolia

WESTON BOARD OF EDUCATION

Weston, CT

Meeting Date: April 8, 2019

Information Only

Action Requested

Agenda Item Subject: Budget

Submitted by: William McKersie

Document Summary/Purpose and/or Recommended Action:

Budget documents for the BOE Workshop will be posted online no later than 8:45 a.m. on Monday, April 8, 2019 and hard copies will be provided at the meeting.

For more Board of Education Meeting and Committee Meeting Information, visit:
<https://meeting.cabe.org/public/Agency.aspx?PublicAgencyID=47&AgencyTypeID=1>