

BILLS

1-18-12

Town of Middleborough

SCHEDULE OF DEPARTMENTAL BILLS PAYABLE

Dear Accounting Officer:

The following named bills of the **Board of Selectmen** Department, amounting and aggregate One thousand two hundred six and 50/100, has been approved by the **Board of Selectmen**, and you are requested to place them on warrant for payment.

BOARD OF SELECTMEN

NAME	ADDRESS	AMOUNT		TOTAL	
Atlantic Design Engineers, LLC	P.O. Box 1051 Sandwich, MA 02563	\$1,206.	50	\$1,206.	50
	Account #29.3274.00				
	WRPD Application Reviews				
	TOTAL			\$1,206.	50



DESIGN ENGINEERS, L.L.C.

ENGINEERS & ENVIRONMENTAL SCIENTISTS



December 29, 2011

Mr. Charles J. Christello, Town Manager
Middleborough Town Hall Building
10 Nickerson Ave
Middleborough, MA 02346

RE: *Initial Engineering Review
Nemasket River Drainage Improvements
Middleborough, MA
ADE Project # 2518.17*

Dear Mr. Christello:

Please find enclosed our invoice for Professional Services that were rendered during our December 1, 2011 through December 15, 2011 billing period.

This invoice reflects meeting with Andrew Bagas to review the initial letter and subsequent discussions with the client and revision to the initial review letter.

If you have any questions regarding the above-mentioned invoice, please do not hesitate to contact me at (508) 888-9282.

Sincerely,

ATLANTIC DESIGN ENGINEERS, L.L.C.

Richard J. Tabaczynski, P.E.
Vice President

RJT/sal

P.O. Box 1051
Sandwich, MA 02563
(508) 888-9282 • FAX 888-5859
email: ade@atlanticcompanies.com
www.atlanticcompanies.com



DESIGN ENGINEERS, L.L.C.

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Invoice

For Services Through

12/1 - 12/15/2011

Bill To:
 Board of Selectman
 c/o Mr Charles J Christello, Town Manager
 Town Hall Building
 10 Nickerson Ave
 Middleborough, MA 02346

Invoice Date:	12/30/2011
Invoice #:	11-6372
Project No.	2518.17

Description	Hours/Qty	Rate	Amount
Initial Engineering Review, Nemasket River Drainage Improvements, Middleborough, MA			
PE Eng'g/Plan - Richard Tabaczynski	4	95.00	380.00
Admin/Technical Support - Susan Lowder	1	55.00	55.00
Mileage	8	0.50	4.00
Total Reimbursable Expenses		0.00	4.00
<p>If you have a dispute with this invoice, please notify us in writing within 14 days.</p> <p><i>[Signature]</i> Project Manager</p>			
DATE <u>1-19-12</u>		WARRANT	
INVOICE			
ACCT. NO. <u>29.3274.00</u>			
ACCT. NAME <u>WRPD Reviews</u>			
VENDOR _____		VOUCHER _____	
AMOUNT <u>\$439.-</u>			
APPROVED BY _____			

	Total	\$439.00
	Payments/Credits	\$0.00
	Balance Due	\$439.00

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DESIGN ENGINEERS, L.L.C.

ENGINEERS & ENVIRONMENTAL SCIENTISTS



December 13, 2011

Mr. Charles J. Christello, Town Manager
Middleborough Town Hall Building
10 Nickerson Ave
Middleborough, MA 02346

RE: *Initial Engineering Review
Nemasket River Drainage Improvements
Middleborough, MA
ADE Project # 2518.17*

Dear Mr. Christello:

Please find enclosed our invoice for Professional Services that were rendered during our November 16, 2011 through November 130, 2011 billing period.

This invoice reflects completion of our initial review and the 11/17/11 draft letter.

If you have any questions regarding the above-mentioned invoice, please do not hesitate to contact me at (508) 888-9282.

Sincerely,

ATLANTIC DESIGN ENGINEERS, LLC.

Richard J. Tabaczynski, P.E.
Vice President

RJT/sal

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Invoice

For Services Through

11/16 - 11/30/2011

Invoice Date: 12/14/2011

Invoice #: 11-6350

Project No. 2518.17

Bill To:

Board of Selectman
c/o Mr Charles J Christello, Town Manager
Town Hall Building
10 Nickerson Ave
Middleborough, MA 02346

Description	Hours/Qty	Rate	Amount
Initial Engineering Review, Nemasket River Drainage Improvements, Middleborough, MA			
PE Eng'g/Plan - Richard Tabaczynski	7.5	95.00	712.50
Admin/Technical Support - Susan Lowder	1	55.00	55.00
<p>If you have a dispute with this invoice, please notify us in writing within 14 days.</p> <p><i>[Signature]</i> Project Manager</p>			
DATE <u>1.18.12</u>		WARRANT	
INVOICE			
ACCT. NO. <u>29.3274.00</u>			
ACCT. NAME <u>WRPD Reviews</u>			
VENDOR		VOUCHER	
AMOUNT <u>\$767.50</u>			
APPROVED BY			

Total \$767.50

Payments/Credits \$0.00

Balance Due \$767.50

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Charles Cristello

From: Rich Tabaczynski [rtab@atlanticcompanies.com]

Sent: Friday, November 18, 2011 1:19 PM

To: Charles Cristello; Jacqueline Shanley

Subject: RE: DRAFT letter for Nemaset River Improvements

Based upon the hours spent to date, about \$1200 for the review of each of the plans for the 4 sites and preparation of the letter.

Richard J. Tabaczynski, P.E.

Vice President

Atlantic Design Engineers, LLC

P.O. Box 1051

Sandwich, Massachusetts 02563

P: (508) 888-9282

F: (508) 888-5859

C: (508) 274-1712

From: Charles Cristello [mailto:ccristello@middleborough.com]

Sent: Friday, November 18, 2011 12:25 PM

To: Rich Tabaczynski; Jacqueline Shanley

Subject: RE: DRAFT letter for Nemaset River Improvements

The estimate for this is how much?

Charlie

From: Rich Tabaczynski [mailto:rtab@atlanticcompanies.com]

Sent: Thursday, November 17, 2011 3:18 PM

To: Charles Cristello; Jacqueline Shanley

Subject: DRAFT letter for Nemaset River Improvements

Charles,

Please call to discuss before we finalize.

Richard J. Tabaczynski, P.E.

Vice President

Atlantic Design Engineers, LLC

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DESIGN ENGINEERS, L.L.C.

ENGINEERS & ENVIRONMENTAL SCIENTISTS



Hearing
150 1-30-12

December 7, 2011

Board of Selectmen
c/o Mr. Charles J. Christello, Town Manager
Town Hall Building
10 Nickerson Avenue
Middleborough, MA 02346

Re: *Initial Engineering Review
Nemasket River Drainage Improvements
ADE Project #2518.17*

Dear Board Members:

Atlantic Design Engineers, LLC (ADE) has completed our initial engineering review of site plans for the above referenced project relative to a Special Permit request under the Water Resource Protection District (WRPD) bylaw. The plans are revised dated September 2011 and are prepared by Weston and Sampson for the Town of Middleborough DPW.

We have the following comments:

1. The WRPD bylaw under Section XII.G.(3)(i)(iii) specifically excludes "primary drainage structures such as detention/retention basins, berms, water quality swales, etc., " from Special Permit allowed uses. The basins proposed on the plans all fall within the 25' zone and in the case of Mayflower Ave, a portion of one of the basins falls within a flagged wetland area. However, this work could be considered by the Board as falling under Section XII.G (3)(i)(i) – "limited projects" as it appears to meet the Wetland Protection Act definition of limited projects in 310 CMR 10.53 (3)(f) – "Maintenance and improvement of existing public roadways, but limited to widening less than a single lane, adding shoulders, correcting substandard intersections, and improving inadequate drainage systems."
2. The plans provided with the application are not signed and stamped by a PE. We recommend that the Special Permit, if granted, be conditional such that final plans, signed and stamped by a PE, be provided to the Board prior to construction. These plans should show the following that are missing on the original plans submitted:
 - a) 25' Zone surrounding the wetlands.
 - b) Details related to de-watering activities to ensure no direct dewatering to the wetland areas.
 - c) Construction notes, details and methods for controlling erosion siltation during construction.

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- d) Additional plans and information on wetland replication areas, which are not shown on the plans provided. We assume these replication areas are also in the 25' zone to wetlands and therefore will need to be part of the Special Permit under Section XII.G.3.(i)(iii) – Creation of wetland replacement.
3. The WRPD bylaw does not specifically address or mention activities related to wall replacement along a bank of a river like that proposed for the fish ladder project. This activity requires work directly in wetland area and work within the 25 foot zone that is unavoidable due to the nature of the project. However, the Board could consider the project as falling under Section G.3.(a) – alteration of existing non-conforming structure that does not increase or create a new non-conformity.
 4. Section XII G.2.(c) of the WRPD bylaw prohibits removal of soil within 2' of high groundwater. All of the basins appear to be excavated closer than 2' to high groundwater and in the case of Spencer Street, below high groundwater. However, the Board could consider the drainage basins as "utility works" which are exempted from this requirement.
 5. The basins appear to be designed as infiltration basins, yet, as stated above, they do not appear to have adequate separation to groundwater to properly function as infiltration basins. (DEP requires two (2) foot minimum separation). In addition, the soil test pit data on the plans do not seem to indicate proper soils for infiltration.
 6. The wetland line shown on the plans for Mayflower Ave stops in the middle of the embankment for the northern basin. The limit of wetland and 25' zone should be fully delineated to completely identify the limit of work within the wetlands and 25' zone.

Note that drainage calculations have not been provided and are not part of this review. Therefore, we cannot comment on the size or adequacy of the proposed stormwater systems.

If you have any questions, please do not hesitate to call me at (508) 888-9282.

Sincerely,

ATLANTIC DESIGN ENGINEERS, INC.

A handwritten signature in black ink, appearing to read 'Richard J. Tabaczynski', written in a cursive style.

Richard J. Tabaczynski, P.E.
Vice President