

IT/Communications/Webmaster

From: Geoff Engler <gengler@s-e-b.com>
Sent: Tuesday, January 30, 2018 1:19 PM
To: IT/Communications/Webmaster
Cc: Paul Haverty
Subject: FW: FW: Water Pressure - Tests and Ranger Engineering response - Jan 8, 2018

FYI - You might already know this..... see below from our civil on the water connection service

Geoff Engler
SEB, LLC
257 Hillside Avenue
Needham, MA 02494
(617) 782-2300 x202
(617) 782-4500 (f)
(617) 276-7261 (c)
www.s-e-b.com

From: jabesamra@rangereng.com [mailto:jabesamra@rangereng.com]
Sent: Tuesday, January 30, 2018 1:14 PM
To: 'Geoff Engler'; 'Joe Abe'; bosgood@rangereng.com; 'Mary Rimmer'
Cc: 'kevin goodwin'
Subject: RE: FW: Water Pressure - Tests and Ranger Engineering response - Jan 8, 2018

Good Afternoon,

The Water Department's major concern was the size of the service pipe which was corrected already on the most recent submittal. A 1 inch service pipe rather than a 3 inch.

As of right now there is no outstanding / new issues. We are waiting on the engineering peer review(s).

Thanks,

Joseph R. Abesamra, EIT
Project Engineer
Ranger Engineering & Design LLC.
13 Branch St. Suite 101
Methuen, MA 01844
978-852-9185

From: Geoff Engler [mailto:gengler@s-e-b.com]
Sent: Tuesday, January 30, 2018 12:56 PM
To: Joe Abe <abejoe143@gmail.com>; bosgood@rangereng.com; jabesamra@rangereng.com; Mary Rimmer <rimmerenv@verizon.net>
Cc: kevin goodwin <kevingoodwinelectric@gmail.com>
Subject: RE: FW: Water Pressure - Tests and Ranger Engineering response - Jan 8, 2018

Ben/Joe,

I am not sure if you got my previous emails as I was using your Gmail address.

Did you connect with the Water Department and answer their outstanding questions? Also, what is the status of the vernal pool certifications?

Thanks,
Geoff

Geoff Engler

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IT/Communications/Webmaster

From: IT/Communications/Webmaster
Sent: Monday, January 29, 2018 11:31 AM
To: Eric Svahn (epsvahn@gmail.com); Conservation; Howard Traister (howardtraister@gmail.com)
Subject: FW: 55 Pearson Drive Byfield Estates
Attachments: Byfield WMA.pdf

Fyi; Byfield Water District's response to PRCWA.

Susan Noyes
IT & Communications Program Manager/Webmaster
Notary Public/Justice of the Peace
Town of Newbury
12 Kent Way, Suite 200
Byfield, MA 01922
Phone: 978.465.0862 X311
Email: info@townofnewbury.org



From: BYFIELD WATER DISTRICT [<mailto:byfieldwater@comcast.net>]
Sent: Monday, January 29, 2018 10:43 AM
To: IT/Communications/Webmaster
Cc: parker.river@verizon.net; gengler@s-e-b.com
Subject: 55 Pearson Drive Byfield Estates

Susan,

I reviewed Byfield's projected water demands (including the Byfield Estates Project) with Michele Drury, Mass DCR Office of Water Resource, for renewal of our water management permit. I also attended a meeting with DEP regarding renewing our permit and the possibility of increasing our registered volume.

Byfield currently has a registration that allows withdrawal of 0.17 mgd (170,000 gallons) per day. The district also hold a permit because we withdraw over 100,000 gallons per day. DEP allows holders of permits to take an additional 100,000 gallons per day (over their registered volume). So the total daily withdrawal volume that Byfield is allowed is 0.27 mgd (**270,000 gallons per day**).

Byfield daily average usage over the past 5 years is as follows:

2017 0.19 mgd

2016 0.20 mgd

2015 0.19 mgd

2014 0.19 mgd

2013 0.19 mgd

DEP made it clear that it would be very difficult for Byfield to get their registered volume increased in our renewal permit because we are so far below 270,000 gpd, the combination of registered and permitted volumes. Michele's projections confirm this.

I am attaching a portion of our WMP that describes this issue.

Please let me know if any questions.

Paul Colby

Director, BWD

SPECIAL CONDITIONS

1. Authorized Withdrawal Volume

The Byfield Water District holds a registration under the Water Management Act for 0.17 million gallons per day (mgd) in the Parker River Basin. The Department of Environmental Management's population projections show that water demand for the Byfield Water District will be 0.18 mgd in 2000, 0.19 mgd in 2005, 0.19 mgd in 2010, and 0.20 mgd in 2015.

Permits are required for increased withdrawals of more than 100,000 gallons per day on each registration. Thus, Byfield will not require additional volumes of water authorized through this permit during the permit period. The District can withdraw up to 100,000 gallons per day in excess of its registered volume, up 0.27 mgd, on an average annual basis in the Parker Basin. This permit only authorizes the construction and operation of a new withdrawal point which exceeds the Water Management Permitting threshold.

2. Authorized Withdrawal Points

Withdrawals from individual withdrawal points are not to exceed the approved daily volume listed below without specific advance written approval from the Department.

<u>Source</u>	<u>Source Code</u>	<u>Daily Rate</u> <u>(mgd)</u>
Forest St. Bedrock Well	3205001-04G	0.36

3. Zone of Contribution (Zone II or Zone III) Delineations

Department records show that the Forest Street Bedrock Well (3205001-04G) has a DEP approved Zone II delineation. Therefore, no further Zone II work is required as a condition of this permit.

4. Wellhead Protection

The Byfield Water District must demonstrate its "Best Effort", 310 CMR 22.21(1)(d), in encouraging all the municipalities in which the Zone II for the Forest Street Bedrock Well (3205001-04G) is located to adopt land use controls which meet 310 CMR 22.21(2) before the well is placed on-line. Articles as adopted by Town Meeting must be submitted to the Water Management Program.

IT/Communications/Webmaster

From: BYFIELD WATER DISTRICT <byfieldwater@comcast.net>
Sent: Wednesday, January 24, 2018 10:05 AM
To: IT/Communications/Webmaster
Subject: RE: FW: Water Pressure - Tests and Ranger Engineering response - Jan 8, 2018

Susan,

After reviewing the data from the hydrant flow test on Pearson Drive for this project, the Byfield Water District is confident there will be adequate flow and pressure for it. We are also confident it will not affect the pressure or flow at homes in the neighborhood or nearby streets.

I also believe there is no reason to conduct an additional flow test at 7:00 am. The test on November 15th was conducted when our water tank was at its lowest normal operating level and system pressure would have been at its lowest, but the results of the flow test were still satisfactory. The water district has never requested multiple flow test at various times of day for this project nor have we ever been concerned about water pressure in this area.

Let me know if any questions.

Paul Colby

Director, BWD

On January 23, 2018 at 9:58 AM IT/Communications/Webmaster <info@townofnewbury.org> wrote:

Thanks Paul. The abutter also submitted this on the subject at last night's meeting.

Susan Noyes

IT & Communications Program Manager/Webmaster

Notary Public/Justice of the Peace

Town of Newbury

12 Kent Way, Suite 200

Byfield, MA 01922

Phone: 978.465.0862 X311

Email: info@townofnewbury.org



From: BYFIELD WATER DISTRICT [<mailto:byfieldwater@comcast.net>]
Sent: Tuesday, January 23, 2018 9:43 AM
To: IT/Communications/Webmaster
Subject: Re: FW: Water Pressure - Tests and Ranger Engineering response - Jan 8, 2018

Hi Susan, Please let me get back to you tomorrow on a response.

Paul

On January 22, 2018 at 3:31 PM IT/Communications/Webmaster
<info@townofnewbury.org> wrote:

ATTN: Paul Colby

Please refer to the attached email received by an abutter with regard to water pressure tests for Byfield Estates. Can you address the attached Peak Water Demand Study from 2015 and advise as to whether or not, in your opinion, additional water pressure/usage tests are necessary?

Susan Noyes

Administrator, Zoning Board of Appeals

Notary Public/Justice of the Peace

Town of Newbury

12 Kent Way, Suite 200

Byfield, MA 01922

Phone: 978.465.0862 X311

IT/Communications/Webmaster

From: Franggos Peter <Peter.Franggos@diannesfinedesserts.com>
Sent: Monday, January 22, 2018 2:43 PM
To: IT/Communications/Webmaster; Conservation
Subject: Water Pressure - Tests and Ranger Engineering response - Jan 8, 2018
Attachments: Peak_Water_Demand_Study_Draft_for_Peer_Review.pdf

Susan, Doug,

I tried to send this to you earlier via the Newbury website, but it exceeded 2 mb. Please share with the other members also.

The Ranger Engineering response letter from January 8, 2018, Page 2 - Item 2 –a. stated that the Byfield Water District was concerned about Water Pressure and requested tests are various times of day. The response was that a test was done at 8 AM on November 15, 2017 by Encore Fire Protection.

The attached document indicates that Peak Demand (PDF Page 19/68 – Report Page 14 – Figure 4) is at 7 AM and not 8 AM. There is a drop from 7 AM to 8 AM.

Most residents who have school children and/or commute to work are not home at 8 AM and water usage will be very low resulting in higher pressure.

Is only one test window sufficient?

This is also an area of concern for me, and multiple tests at various times of day, as requested by the Byfield Water District, should be done before the Water issue is closed.

I will bring a hard copy tonight also.

Thanks,
Peter

Please call me if you have a question.

Peter Franggos
978-873-1753 Cell

IT/Communications/Webmaster

From: BYFIELD WATER DISTRICT <byfieldwater@comcast.net>
Sent: Monday, December 18, 2017 9:53 AM
To: IT/Communications/Webmaster
Subject: Re: Byfield Estates Comprehensive Permit Application/Plan Update

Susan,

I believe the only new item we saw was the plans are indicating a 3" water service into each unit, this must be incorrect.

My comments in the May 15th letter and information in the "water service and water main and accessory installation procedures" that we provided must be shown on final plans. Yes, we must have modified plans with all corrections that I can present to the water board for approval.

Paul

On December 16, 2017 at 12:36 PM IT/Communications/Webmaster
<info@townofnewbury.org> wrote:

Paul:

Was there anything new that was not included in your letter that you expressed concern about? The ZBA has the authority over this application and needs to be in the 'know' to address them. I assume that you'll want to see the modified plans for your nod before they become final?

Susan Noyes
Sent from my iPad

On Dec 15, 2017, at 9:31 AM, BYFIELD WATER DISTRICT <byfieldwater@comcast.net> wrote:

Hi Susan,

After looking at these most recent plans we reached out to Ben Osgood, Ranger Engineering, with questions. He said that he had not reviewed our original comments, but had them. He was going to incorporate our comments on the next set of plans. We will need a full set of final detailed water plans to be approved by the Board of Water Commissioners before moving forward.

Thanks,

Paul Colby

Director, BWD

On December 14, 2017 at 2:28 PM IT/Communications/Webmaster
<info@townofnewbury.org> wrote:

Good Afternoon,

I am just checking in on the status of Byfield Water's review of the above mentioned subject. If you require more time for comments or have no comments, please let me know.

Susan Noyes

Administrator, Zoning Board of Appeals

Notary Public/Justice of the Peace

Town of Newbury

12 Kent Way, Suite 200

Byfield, MA 01922

Phone: 978.465.0862 X311

Email: zba@townofnewbury.org

<image002.png> <image003.jpg> 

<Byfield Estates letter May 15, 2017.doc>

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Phone: 978.465.0862 X311

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<image002.png> <image003.jpg> 

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Peter Franggos

978-873-1753 Cell

BYFIELD WATER DISTRICT

*2 Fruit Street
P.O. Box 64
Byfield, MA 01922
(978)462-3023*

Howard Traister, Chairman
Newbury Zoning Board of Appeals
12 Kent Way
Byfield, MA 01922

May 17, 2017

RE: Byfield Estates Development

Dear Chairman Traister:

The Byfield Water District has received a set of plans dated March 22, 2017 pertaining to the proposed development at Byfield Estates, off of Pearson Drive. We would like to provide a few comments to the utility pages and provide copies of the districts standards for water service installations and water main and accessory installations. This information should be relayed to the developer.

Sheet CS1701

- The connection onto the existing water main on Pearson Drive shall be made by cutting in a Tee, not by using a tapping sleeve and gate valve. The Tee will have gate valves attached to each open end (3 gate valves). The district will shut water off to the existing water main on Pearson Drive to enable this connection to be made.

Sheet CS6021

- Detail for "sewer pipe and water pipe crossings" shall include a comment indicating that the pipe joints of the sewer line will be a minimum 5' from where the water and sewer line intersect.

Sheet CS6051

- The gate valve for the fire hydrant lines shall be connected directly onto the Tee from the water main. No pipe shall be between the gate valve and Tee.
- Retaining glands shall be used at all mechanical joints.
- Fire hydrants are to open "right" not "left".

Enclosed are the standards and procedures the developer must follow for water service line installations and all work pertaining to installation of water mains and related accessories. These documents will indicate all fees the developer may anticipate will be paid to the water district. The developer should carefully read these documents to ensure the project conforms to the districts standards. A set of plans showing the corrections indicated above must be submitted to the district for review and final approval by the Board of Water Commissioners.

Questions can be directed to me at byfieldwater@comcast.net or calling (978)462-3023.

Very truly yours,

Paul F. Colby, Director BWD

CC: Byfield Board of Water Commissioners
Newbury Planning Office