

Committee: _____ Conservation Commission _____

Date: _____ April 14, 2016 _____

Time: _____ 7:00pm _____

Location: _____ 2nd Floor Town Hall _____

Members & Staff present: __Nick Feitz, Rae Ann Baldwin, Carl Shreder, Rachel Bancroft, Andrew Currie, Susan Flint & Steve Przyjemski

Members not present: _____ Laura Repplier _____

The meeting was called to order at: _____ 7:04pm _____

Discussion:

Conservation Commission

4/14/16

Elm Street (GCC2016-07; DEP#161-0822) - NOI - NEW

Brian Sullivan, Bayside Engineering
Peter Durkee, Georgetown Highway Department

Reconstruction of Elm Street.

Proposed project complete reconstruction of Elm Street and sidewalks, stopping 100' short of East Main Street

Granite curbs on side with the sidewalks, asphalt berms on the other side of the street.

Current problems of sidewalk: water, due to elevation being at or below roadway, ice problems in the winter. Adding the curb will alleviate that situation for pedestrians.

The proposal is 2 - 11' travel lanes with 1' shoulders on either side.

The road width currently varies, by creating a uniform width, there will be reducing some width, and some widening in other places, the net of paving is zero.

The existing drainage varies, lots of country drainage, there are several cross culverts some that were replaced a couple of years ago, and some that were not. The culverts that weren't replaced years ago, the pipe will be replaced with high density poly-ethylene.

The elevation of the drains will remain the same, the diameter may change. One or two were 8" and we're going to make them 12", but I'm going to have to verify that.

Carl Shreder: I don't want to solve one problem on one side of the road and create another on the other side of the road.

Brian Sullivan: I analyzed the pre- and post- events and there's no change, the net is zero.

There is an existing drainage depression at 95 Elm. There is an engineered basin, which was permitted by the Conservation Commission a couple of years ago.

Brian Sullivan: They had 2 - 6" pipes under the driveway and into the wetlands.

The New school intersection is a new design, (sheet 10) model either went down the Penn Brook driveway, around the corner and into an abutter's driveway or continued along the road in the depression went into the wetland.

When they redesigned that they had manholes and catch basins. Originally water went down driveway and into wetland on the east side of Elm Street. They brought the manholes down to a catch basin on Elm Street and capped it.

We're going to pick up where they left off, at that manhole. Most if not all the structures will be replaced to get rid of corrugated metal. They showed no increase in runoff. We're just going to pick up their runoff and assume their analysis is correct.

When we get down towards East Main Street, that's where we have an existing network of catch basins and pipe to catch the runoff and direct it to either side of the roadway. Most of the corrugated metal piping, if not all of it will be replaced.

There are two major resource areas adjacent to Elm Street, the Penn Brook Resource Area on the east side of Elm Street and the Bulford Brook Resource Area on the west side, eventually all runoff gets to the Bulford Brook. The Bulford Brook does not begin until just North of Brook Street.

Mary Rimmer did the flagging and the wetland report. The BVW along Elm St. The A series flags are to the west of Elm Street, the B and C series are on either side of the culvert, south of the Penn Brook School entrance. The D series flags are on either side of a plastic culvert pipe that has been in place a couple of years. North of the Penn Brook School, the E series are at the outfall of the culvert from the end of the closed drainage system at the North end of the job across from Chestnut. Then there are a number of catch basins that get directed to the East Main Street drainage system.

So the pre- and post- were modeled using those drainage systems. Design points were taken as the "West Wetland" - Bulford Brook and the intermittent stream, "East Wetland" - Penn Brook. They eventually join at the Penn Brook on the other side of East Main Street. The post analysis calculated out to a 100 year storm, and we found that there was not appreciable runoff difference. The wetlands on both sides are in very good condition both have a sizable storage area, and have very little invasive species.

Replace corrugated metal pipes before the roadway collapses and catch basins. We want to change all that now before we redo the roadway.

Wanted to help 95 Elm Street situation. Across the street there's a fairly wide area that grassed right now, what we're proposing is 10 subsurface infiltration chambers that connect to the other side, with the storm water basin. To infiltrate runoff prior to getting to this storage basin. It can work both ways depending upon the storm and the amount of runoff. Above these infiltration chambers there's also an infiltration swale, which can help catch the roadway runoff. The installed volume is about 1000 cu.ft for all of the chambers.

Steve Przyjemski: What's the maintenance on those?

Brian Sullivan: Because they are under ground, and are fed by a grass drainage shield on the west side, there's a monitoring grate, that you can open and see the bed bottom. (It's a bed bottom inspection port, that will determine if it's clogged or not.) That's really the only maintenance.

Carl Shreder: That's about 8,000 gallon, storage system.

Brian Sullivan: You basically need to monitor it once a year. Its a 24 hr draw down.

Carl Shreder: What's the time frame of the project once approved?

Peter Durkee: Once it's approved, we'd have to put it out to bid, and once works started, it will be about a year.

Peter Durkee: When we designed this 3-4 years ago, I asked the gas company, they originally didn't want to replace the gas lines.

I asked them yesterday, and they decided they wanted to replace the 6", steel, gaslines which were put in in the 1950s. It may take a bit longer because they have to replace all of the gas pipes.

95 Elm is 2 - 6" drainage lines that go under the driveway, those are on the record plan for that property.

Steve Przyjemski: There is still a functioning ILSF there, the pipes are just there to drain the water away from the road and the house.

Peter Durkee: There are going to be catch basins and sumps coming down the hill to capture the surface water (6 or 8 structures), and then it will feed into our system that we're building. The school building engineer shows a reduction in the runoff. We took them on their word.

Rachel Bancroft: As far as any trees coming down?

Brian Sullivan: There's a 24" deciduous tree that's pretty much right on the edge of pavement, that would need to come down.

Rachel Bancroft: That's the only one that would need to come down?

Peter Durkee: Yes. There's a 48" tree further up that we're retaining.

Brian Sullivan: The Brook St intersection, The culvert currently on the east side, actually discharges upstream of the Brook Street culvert that was recently replaced, so our proposal is to discharge it downstream. So right now it discharges in the opposite direction of the flow of the stream, so we want to correct that and have it discharge with the flow of the stream.

Carl Shreder: new bedding? New gravel?

Brian Sullivan: Yes, it's a complete reconstruction of the street. 3" base, 1 1/2" median, 1 1/2" surface course, total of 6".

Carl Shreder: Can you go over the project since people will be living there?

There will be silt sacks for the basins. Compost filtered tube-lines for the resource areas protection. Is that amenable to the Commission? Okay. Typically on jobs like this, they'll do the drainage, then reconstruct the roadway, they'll grade the roadway out, put the base course in, comeback cut and set in the curbs do the sidewalks. The amount of time the graded gravel is open to traffic will be minimal. Come in and raise the grates and the valve boxes, put the intermediate and the final course on.

Water should be in there for dust control.

Peter Durkee: Typically use calcium and water, but they'll never use oil. Let the people know if there will be a disturbance ahead of time, roadway will always be open to the residents, but may close the road to anybody else, so it's not used as a cut through. We may stop work at the beginning and end of school or tell everyone that they have to go in via East Street or via Central Street.

Brian Sullivan: We'll definitely have dust control measures in the specs. I checked the DEP this afternoon and they had "No Comments".

Drew Currie: Any comparison with the flood levels done by FEMA?

Brian Sullivan: We're not anywhere near that. The 200' Outer Riparian zone is at it's closest 100' away. The project is within the 100 year flood zone. There's a small piece that comes up to the roadway 86' elevation. It's right across from the entrance to the school. Oh geez! 100 year flood elevation is 80'. The 6" PVC pipes under the driveway at 95 Elm are 91.5' and 91.7', so we're 11' above the 100 year flood zone at that point.

Abutters' comments?

Carl Shreder: We definitely would like to see on the plan, 200' off the project so we should have an amendment there. In summation, this project will provide an additional 8000 gallons of storage/drainage.

Peter Durkee: The road coming down from the school are all deep-sump catch basins so they'll hold more. At the other end near East Main Street, those are all deep-sump that will be installed and they'll hold more.

Brian Sullivan: Everything being replaced is a deep-sump catch basins. We have grass swales above the chambers, there are grass-lined channels, which I know technically you don't get credit for but rather than have roadway go directly into the catch basin, it goes into the grass swales, and then into the catch basins.

Drew Currie: Is the impervious roadway increasing?

Brian Sullivan: I think there is a slight increase. 19.6 Impervious, 19.5% proposed.

The current sidewalk is 3/12-4', and comfortable size is a 5' wide sidewalk.

Carl Shreder: Are there any takings?

Brian Sullivan: No.

Paula Mar 1 East Street: How far anywhere around the

Peter Durkee: You won't be able to go East Street to Elm Street anymore, you'll come out onto Central Street and take a right onto Elm Street, slowing down traffic, making a T intersection. It's a reduction in pavement from 19.6% to 19.5%.

Mark Erlandson: 108 Elm Street: They talked about starting when school ended, and finish before they start again.

Peter Durkee: We're hoping to start before school gets out, there's drainage work we could do, when the busses are going by we stop and then we start up again. We can also start on the Central Street end and work our way towards East Main Street.

Susan Clay 131 Elms Street: Would Brook Street be a 2-way street?

Peter Durkee: Yes, we would like to make Brook Street a 2-way street, I think it would be safer. I don't believe there's enough room on Brook Street for sidewalks. But we are looking at that.

Carl Shreder: Did I hear you that you don't have funding yet?

Peter Durkee: No, they are voting on it at Town Meeting this spring.

Carl Shreder: Residents are you still having flooding issues?

No.

Nick Feitz: Makes a motion to approve and accept Elm Street Roadway

Nick Feitz: Withdraw motion and make a new motion to continue to May 19, 2016 at 7:00pm with a 200' buffer off of river.

Rachel Bancroft: Seconds motion.

Motion carries unanimously.

24 Summer Street (GCC 2015-15; DEP#161-0813) NOI - (cont.)

Chris Conway, Homeowner
John Paulson, Atlantic Engineering

John Paulson: Original Proposed driveway, beyond the 50' BVW

New proposal, reclamation and restoration sequence, planting schedule, brings back the line of the existing grass before anything was touched. The septic system stays in place the proposed addition and gravel driveway are outside the 75' BVW for the riverfront. Proposing moving the shed to the edge of the 75', it currently is partially on neighbor's property. Patio pavers are pervious, the addition is quite a bit smaller and the garage has gone away, the side driveway has gone away. Improve the property to make it viable for a growing family.

Chris Conway: The rear section of the house the foundation is in failure,

Carl Shreder: Are the new parts on slab or full foundation?

Chris Conway: Full foundation.

75' from the edge of the stream.

Carl Shreder: It looks like you have made some improvements from the previous plan. But this is not the ideal site for expansion. Is your septic in failure?

Chris Conway: Yes, The originally house is 1804.

Carl Shreder: Is the shed on blocks? Will it stay that way?

Chris Conway: Yes.

Steve Przyjemski: I'm more worried about the significant waivers inside the 75', than the shed. As long as it's 21' or more away from the resource area, they can put it anywhere.

Historically, we interpret this as "new activities", and should be outside the 75' buffer.

Nick Feitz: Can this be toned back bit?

Carl Shreder: If this was new construction, this wouldn't even be here.

Steve Przyjemski: To me when you get close to the 50' a lot of red flags go up. I think "pervious pavers" is a misnomer, but that doesn't last forever. They get clogged with organic matter, hard to clean. Holistically I will agree it has gotten a lot better.

Nick Feitz: As a homeowner, what do you really need?

John Paulson: I take issue with pervious and impervious. Just b/c you say it's not pervious, doesn't mean it's a fact. I look at it the way the court would look at it.

Carl Shreder: They look at our interpretation, to make sure we are not being arbitrary and capricious.

Steve Przyjemski: It takes a percentage, pervious pavers, the whole structure is not pervious, some parts are pervious, and some parts are not. The patio is gray, the structure is not gray.

John Paulson: If we want to call it a structure, than we have to have a waiver. If we cannot come up with pervious paver patio to meet the criteria, we'll tone it down to crushed stone, or take it out.

Carl Shreder: I don't know that that is any more impervious.

Nick Feitz: I'm worried about the structure more.

Steve Przyjemski: If you approve the structure, it's a very tough lot. Can you infiltrate under the patio?

John Paulson: Keeping waivers 10-15' off the roadway. 12' from building to the property line. I think not.

Chris Conway: I have 3 kids under the age of 6, sleeping in 1 bedroom. We've tried to make every concession we can. We need to make it functional.

Carl Shreder: Since there was a house there, I think that a waiver is reasonable.

Chris Conway: We've tried to be in full compliance with the commission.

Nick Feitz: Can you scale back that family room and still be functional to the family?

Family Room discussion ensues.

Carl Shreder: It comes down to does the commission want to grant waivers?

Rae Ann Baldwin: It also comes down to what has been done before? Do we want to break precedence?

Carl Shreder: We try to minimize waivers. We ask for mitigation if we grant waivers.

Rachel Bancroft: Is there a way to add language that protects us against future precedence.

Chris Conway: We're talking about 2000 sq. ft., it's can only be listed as a 3 bedroom home due to septic.

Carl Shreder: Can you think of some mitigation we can use here?

John Paulson: Everything is so small and tight.

Carl Shreder: How big is the patio?

Chris Conway: 300 sq. ft. You could maybe pull it in a couple of feet,

John Paulson: Highbush blueberry in the wetland area.

Carl Shreder: If we could say we were making an improvement, then maybe it would make sense.

Steve Przyjemski: I would like to see 4 granite bounds installed.

Chris Conway: I'd be amenable to put some trees along the riverfront, I think it would look fine. Maybe some river birch. Sometimes it floods, so whatever can survive occasional flooding.

Carl Shreder: If you round off the patio, put in some mitigation, increasing the buffer (2-3) feet.

Steve Przyjemski: I think the mitigation for the EO and the addition should be separate. Short term removal of exotic invasives.

Carl Shreder: I could live with the patio moved, mitigation.

Drew Currie: Does this make sense to add infiltration to catch the water from the road. Show mitigation of roof runoff.

Nick Feitz: I don't want to beat a dead horse, can you scale back the family room?

Steve Przyjemski: If you put it on the other side, it would reduce the area in the buffer. You can hypothetically approve the septic system tonight and making the applicant come back before the Commission.

Chris Conway: Right now, potential you can increase the buffer along the A, can I maintain that lawn right now?

Steve Przyjemski: Yes, you can rip it out and replace it. 2' of heavily planted buffer. I can go out and flag the invasive.

Rae Ann Baldwin: Makes a motion to continue the hearing for 24 Summer Street (GCC 2015-15; DEP#161-0813) NOI until May 19, 2016 at 7:05pm.

Nick Feitz: seconds motion

Motion carries unanimously.

Rock Pond (2016-06; DEP#161-0820) NOI -(cont.)

Tom McGrane, president of Rock Pond Association

Tom McGrane: Waiting for the approval of National Heritage on the effects on the endangered species.

Tom McGrane: Looking to DCR to provide us a program for identifying it

Talking about Benthic barriers, for in-between treatments.

Tom McGrane: I've ordered some mats myself, it doesn't sit on the bottom of the pond, and it covers the weed, but doesn't trap fish. It kills all the weeds though, so maybe it would work for spot treatments, like swim areas, but it's not a good program for the whole pond irradiation of Milfoil, because it kills natural weeds as well. They say it's an easy weed to treat, (easier than fanwort). It's already in the growing stages.

Steve, does anyone have a permit to draw water off of Rock Pond or Pentucket for irrigation purposes?

Steve Przyjemski: No one has a permit.

Tom McGrane: That's good, because if you're using the water for irrigation for up to 5 days, you could poison whatever you are watering.

Nick Feitz: Will they treat the Parker River?

Tom McGrane: Yes, they will. We're going to see if anyone is off is able to draw off the water from the river or ponds.

Nick Feitz: Will they close the pond down?

Tom McGrane: That's our plan, our plan is to get DCR involved, the harbor master, which is the police department to close it down for 2 days with postings and flyers all around to the association.

Carl Shreder: DCR can only close their ramp, they have no jurisdiction over the water, just the boat ramp.

Tom McGrane: It's not so much a health issue as letting the material settle on the weed. It's the best option for the amount of money and time we had. We just wanted to get this project started. If we could do a massive drain down, absolutely, that would be great, but we don't have a way to do that.

Steve Przyjemski: The CPC is going to Town Meeting \$5000K is available for education on the ponds. The Commission is actually the contractual organization, the association can't do that.

Tom McGrane: The Association bought a bunch of bright orange buoys with signs to keep people out. We're doing as best as we can.

Carl Shreder: Do you have a sign out reminding people to clean their boats when they are leaving?

Tom McGrane: Yes, there's 4' x 8' sign about Milfoil down on the boat ramp. DCR keeps a record of how many boats use the pond when they are there. How many are inspected? How many didn't? How many had some invasive plant material on them? A little piece can create hundreds and thousands of plants in a very short period of time.

Steve Przyjemski: We have not done Pentucket Pond for 4 years, honestly the last time it was very successful. You don't eradicate it, its management.

Tom McGrane: It's a never ending battle. We want to manage it without constant treatments. We're hoping to do one this year, and to have enough CPC funds to do it again in 3 years. We're hoping by that point we can do some maintenance for a couple of years and not have to do big treatments.

Nick Feitz: It's amazing how fast it propagates.

Tom McGrane: We're not unique, as far as the state goes and how much of it is around. NH does well, they create a fund. If you bring a boat to Maine you'll have to pay a \$15 Milfoil sticker. Some game wardens will inspect boats.

Rachel Bancroft: I will be going before CPC, will you be going?

The Rock Pond association.

Rae Ann Baldwin: I make motion that we approve Rock Pond

Rachel Bancroft: Seconds the motion.

Motion carries unanimously

Rae Ann Baldwin: Makes a motion to close Rock Pond,

Rachel Bancroft: Seconds the motion.

Motion to close passes unanimously.

Tom McGrane: Treatment will happen the end of May the beginning of June.

35 Monroe Street (GCC 2016-08; DEP# 161-0821) NOI - NEW

Cleophas Cauoette, Engineer

What they have coming out of there now coming out of the living room is a wooden deck with the joist rotting, proposing to take down the wooden deck install a retaining wall and a raised patio. Off to the right a farmer's porch 260 sq. ft. with a wooden floor laying on either 4 x 4s or 6 x 6s on the ground, we're going to remove the deck and add pavers for the floor. The bottom grill area, is pre-existing with a retaining wall and pavers, 750 sq. ft. area, that is deteriorating and the wall's failing, replace with new product.

Carl Shreder: This is all within the 50'?

Cleophas Cauoette: Yes, the leading edge is within the 50, the edge of the deck is outside the 75'.

Carl Shreder: Is that pretty much lawn right down to the water there?

Cleophas Cauoette: Yes.

Steve Przyjemski: They are making it more pervious, except near the left hand side of the patio. Over all it's a net gain.

Nick Feitz: I make a motion that we waive the round the pond notification of green cards for 35 Monroe Street.

Rae Ann Baldwin: Seconds the motion.

Motion carries unanimously.

18" strip of 3/4" stone which 1' back

Carl Shreder: Any real machines?

Cleophas Cauoette: Mini excavators, skid steers, compactors.

Carl Shreder: You'll have to go by the Max shore line. If this was new construction, with some improvement, I think it's a plus.

Cleophas Cauoette: no gravel, all stone construction base. Everything taken off, is hauled off.

Steve Przyjemski: No comments from DEP.

Carl Shreder: Any Abutters?

No.

Nick Feitz: Makes a motion to accept 35 Monroe Street (GCC 2016-08; DEP# 161-0821) NOI, not accept the wetland line, during construction the appropriate silt socks are in place.

Rae Ann Baldwin: Seconds the motion.

Motion passes unanimously.

Nick Feitz: Makes a motion to close 35 Monroe Street.

Rae Ann Baldwin: Seconds the motion to close 35 Monroe Street.

Motion carries unanimously.

13 Brook Meadow Lane (GCC 2016-05; DEP#161-0819) NOI - NEW

Steve Przyjemski: No Comments from the DEP.

Nick Feitz: Makes a motion to accept the NOI for 13 Brook Meadow Lane not accepting the wetland line

Rachel Bancroft: Seconds the motion.

Motion carries unanimously.

Nick Feitz: Makes a motion to close 13 Brook Meadow Lane

Rachel Bancroft: Seconds the motion.

Motion carries unanimously.

Nick Feitz: Make a motion to accept the minutes 2/11/16 and 3/10/16

Rachel Bancroft: Seconds the motion to accept the minutes from 2/11/16 and 3/10/16.

Discussion of Police warrant before the Town Meeting to give the Selectmen the control of issuing hunting permits.

Steve will find out what's going on.

Rachel Bancroft: Makes a motion to pay bills as read by Steve.

Nick Feitz: Seconds the motion to pay bills as read by Steve.

Motion passes unanimously.

Caretaker discussion.

Shed at Camp Denison Discussion

Rail Trail Discussion met with Mass DOT, ConCom has no intention of paving Rail Trail, end spot and parking in Boxford.

Chaplin Hills site walk. 200+ egg masses (vernal pools = 5+ egg mass/wetland) - lots of newts and tree frogs 5/12/16

Planning Board, references the Conservation Committee

Nick Feitz: Makes a motion to close meeting.

Rae Ann Baldwin: Seconds the motion to close.

Meeting close at 10:12pm

List of Documents and Other Exhibits used at Meeting:

Documents and Other Exhibits used at meeting will be available for review at: ____the Conservation Office_____

(Office)

Meeting was adjourned at: _____ 10:12pm_____

Next meeting:

Date: _____ May 12, 2016 _____

Time: _____ 7:00pm _____

Place: _____ Third Floor Meeting Room _____

Respectfully submitted,

Chairman: _____
(Signature)

Minutes approved by Committee on: __ June 16, 2016__
(Date)