



TOWN COUNCIL – AGENDA REQUEST FORM

THIS FORM WILL BECOME PART OF THE BACKGROUND INFORMATION USED BY THE COUNCIL AND PUBLIC

Please submit Agenda Request Form, **including back up information**, 8 days prior to the requested meeting date. **Public Hearing requests must be submitted 20 days prior to requested meeting date to meet publication deadlines** (exceptions may be authorized by the Town Manager, Chairman/Vice Chair).

MEETING INFORMATION

Date Submitted: 5/29/14

Date of Meeting: 6/26/14

Submitted by: Evan Petrie

Department: Eagle Scout Project

Time Required: 25 minutes

Speakers: Evan Petrie

Background Info. Supplied:

Yes: No:

CATEGORY OF BUSINESS (PLEASE PLACE AN "X" IN THE APPROPRIATE BOX)

Appointment:

Recognition/Resignation/
Retirement:

Public Hearing:

Old Business:

New Business:

Consent Agenda:

Nonpublic:

Other:

TITLE OF ITEM

Eagle Project Proposal in Grater Woods

DESCRIPTION OF ITEM

Eagle Project Approval

REFERENCE (IF KNOWN)

RSA:

Warrant Article:

Charter Article:

Town Meeting:

Other:

N/A

EQUIPMENT REQUIRED (PLEASE PLACE AN "X" IN THE APPROPRIATE BOX)

Projector:

Grant Requirements:

Easel:

Joint Meeting:

Special Seating:

Other:

Laptop:

None:

CONTACT INFORMATION

Name: Evan Petrie

Address: 10 Windover Ln

Phone Number: (603) 262-5298

Email Address: evan.lamont.petrie@gmail.com

APPROVAL

Town Manager:

Yes No:

Chair/Vice Chair:

Yes No:

Hold for Meeting Date: _____

1 MERRIMACK CONSERVATION COMMISSION

2
3 MAY 19, 2014

4
5 **MEETING MINUTES**

6
7 A regular meeting of the Merrimack Conservation Commission was held on Monday, May 19, 2014, at 6:30 p.m.
8 in the Merrimack Memorial Conference Room.

9
10 Chairman Tim Tenhave presided:

11
12 Members of the Commission Present: Matt Caron, Vice Chairman
13 Ron Davies
14 Gage Perry
15 Simon Thomson
16 Councilor Thomas Mahon
17

18 Members of the Commission Absent: Thomas Lehman
19 Michael Boisvert, Alternate
20 Robert Croatti, Alternate
21 Lauren Kras, Alternate
22

23 Also in Attendance: Evan Petrie, 10 Windover Lane, Scout Troop 48
24 Jim Taylor, Assistant Director, Wastewater
25

26
27 PUBLIC COMMENT - None

28
29 APPOINTMENTS

30
31 **1. Eagle Project Proposal – Life Scout Evan Petrie**

32 Evan to present a bridge design and project for a new bridge at Grater Woods.
33

34 Life Scout Petrie spoke of the proposed Eagle Scout project, and explained the project entails the construction of
35 two (2) bridges within Grater Woods with the anticipation the project will be complete by the end of June or July.
36 He displayed a photo of a bridge constructed by the Grater Woods Sub-Committee, which is similar in design to
37 what is being proposed.
38

39 The first bridge (30') would connect with an existing structure, and would be constructed near the entrance to
40 Beebe Lane (Drilled Rock Trail). A hand drawn map was provided indicating how the trail would be diverted
41 (around island). The process is underway to gain approval from the New Hampshire Department of
42 Environmental Services (NHDES) relative to the associated wetland impact. Also sought from NHDES is
43 direction with regard to center support (perhaps two 4x4s sunk into the ground (island in center)). When asked if
44 the sub-committee would be involved in the diversion of the trail, Life Scout Petrie responded he would undertake
45 that task as well.
46

47 Tasks associated with the first bridge would be to divert the trail from the beginning, uproot two small trees,
48 remove shrubbery, and sink the center support into the ground. Tasks associated with the second bridge would
49 be to divert the island trail through the small tree and shrubbery and construct the bridge (20'). When asked, he
50 stated there to be an elevation change as you traverse around the island. Photographs were provided showing
51 the area where the trail would meet up with the existing trail. Life Scout Petrie noted pellets/bridges located on
52 the current trail will be removed to discourage use.
53

54 The proposed bridges are 18-20" long and 3' wide. Support beams will be two 2x12s bolted and glued together to
55 create a 4x12 with planks atop (20' long). Floorboards will be 2x8x3. Abutments (either side) will be 6x6 beams
56 staked into the ground. Center support of the 30' bridge will likely be two 4x4s driven into the ground.
57

58 Total projected cost is \$1,035. It was noted some materials are anticipated to be donated. Fundraising efforts will
59 consist of solicitation of family, friends, local businesses, etc. Other possibilities include a pancake breakfast,
60 yard sale, bake sales, etc. Fundraising plans have not yet been finalized.
61

1 When asked, Life Scout Petrie stated he has discussed the project with the Grater Woods Sub-Committee.
2 Commissioner Perry remarked the areas of impact are both areas where the construction of bridges would have
3 the potential to allow the school to use the fields even more as part of their cross-country course. Vice Chairman
4 Caron informed the Commission the Sub-committee met with Life Scout Petrie the prior week and had visited the
5 site along with Life Scout Petrie the prior month. The Sub-committee has had the opportunity to provide
6 recommendations/input, which has been reflected in the plan. Chairman Tenhave noted the trail is a Class B trail.
7

8 Life Scout Petrie stated his belief the Permit Application (minimum wetland impact) for NHDES requires the
9 signature of the Commission. Chairman Tenhave explained, once the Application is filled out it should be
10 provided to the Town Clerk. It will be stamped as received, and any fee collected. The Town Clerk then
11 disburses copies of the permit (NHDES, Conservation Commission, etc.). At that point, the intent for an
12 Expedited Wetland Permit could be filed, which would come to the Commission for sign-off.
13

14 Commissioner Davies suggested Margarita's in Nashua could be a location for conducting a fundraiser. He
15 explained the restaurant conducts events where a particular night is set aside on which anyone referencing the
16 fundraising effort would have a percentage of their bill go directly towards that effort. It was noted a number of
17 local restaurants conduct similar fundraising events. Chairman Tenhave remarked if made aware of fundraising
18 events in advance, he could post information on www.merrimackoutdoors.org. Vice Chairman Caron added
19 requests for volunteers could also be posted on the website if the information is provided.
20

21 ***The consensus of the Commission was agreement with the project moving forward. Vice Chairman***
22 ***Caron volunteered to serve as the point person for the project.***
23

24 2. Compost Presentation – Jim Taylor

25 Commission to receive a presentation on the Merrimack Compost operation by Assistant Director
26 for Wastewater, Jim Taylor. Commission to learn about the make-up of the compost, how it is produced,
27 where it is used, how best for residents to use it, and how residents can acquire it for free.
28

29 James Taylor, Assistant Director/Wastewater, stated the Merrimack composting facility began operation in 1994.
30 The operation utilizes raw material from the wastewater treatment process, which is sludge that has to be
31 stabilized in some manner. Sawdust, finished compost, and raw dewatered sludge are composted under
32 controlled conditions. It can be used for landscaping, golf courses, and to improve soil conditions. It is also a
33 component in top soil manufacturing.
34

35 Biosolids is a term that was defined as a means of distinguishing it from untreated sludges as sludge can be
36 hazardous. This was a way to show it has been further processed and is safe to use. There are two different
37 methods towns use; Class A and Class B. Alcolin stabilization is typically used on farm fields to enhance crop
38 production or grass. That designation is Class B. Some of the larger cities pelletize their sludge and move it off
39 to areas like Florida and Texas. That is a Class A product. What the Town of Merrimack does is composting,
40 which is a Class A product as well. When composting heat is generated, which raises the temperature to 55°
41 Celsius for 3 days (equivalent of 130° Fahrenheit). After that the temperature has to meet 45° Celsius for 14 days
42 in order to achieve Class A.
43

44 Assistant Director Taylor remarked composts and biosolids in general are very highly regulated and studied. The
45 Environmental Protection Agency (EPA) has their own set of rules and New Hampshire has its rules, which are
46 more stringent and protective of human health and the environment. Typically the departments tests for heavy
47 metals, pesticides, PCBs, Volatile Organic Compounds (VOCs), semi-volatile compounds, dioxin, and herbicides.
48 It is required that a label be produced identifying how to use the compost, qualities, and some of the restrictions.
49 Typically the Wastewater Treatment Plant takes in commercial, residential, and industrial wastewaters. There is
50 an industrial pre-treatment program that regulates what can come down the pipe so it is protective of not only the
51 plant affluent, but the compost. Nothing ever goes away; whatever is flushed ends up in the treatment process,
52 and some of it goes in the sludge.
53

54 The compost can easily meet all of the EPA and State requirements. Typically we meet the low metals sludge
55 quality certification that NHDES requires. He commented it is pretty much the best quality compost in the
56 northeast. The plant generates a minimum of \$8/yard with the marketing agent. Typically it generates about
57 \$11/cubic yard. Some of the offsetting costs of operating come from the sale of compost. About 80% of
58 marketing is done through Agrisource who markets to MA, NH, VT, and NY. About 20% goes to landscapers and
59 residents. The quality of the compost is protected through industrial pre-treatment and testing and collecting of
60 numerous samples throughout the interval of wastewater and compost.



Town of Merrimack, New Hampshire

Community Development Department

6 Baboosic Lake Road

Town Hall - Lower level - East Wing

Planning - Zoning - Economic Development - Conservation

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www.merrimacknh.gov

Grater Woods Subcommittee meeting

May 13, 2014 – 6:30 PM

Memorial Conference Room

Members in attendance: Matt Caron, Shannon Barnes, Adam Dodge, and Steve Desilets

Members missing: Roger Blais, Nat Fairbanks, Joe Cogan, Steve Bachand, Thomas Lehman, and Jason Wright,

Guest: Evan Petrie and Craig Petrie to present Eagle Scout project.

Meeting started at 6:42 PM.

Agenda/Discussion:

- **Evan Petrie – Eagle Scout project**
 - o Discussed the two bridges needed near the beaver pond and dam on drilled rock. Plans are to install in June and may go into July.
 - o Donations to be raised to support project. Project about \$1350.
 - o One section will require two bridges and one section will be a single span. This will require a slight trail re-route from the original trail but is in close proximity to the current trail.
 - o The two “pallet” bridges will be removed from the original trail.
 - o Evan will need to reach out to DES to confirm if the project can move ahead. May need to use a pillar/pier style bridge for the two span bridge.
- **Move to approve the project from sub-committee, with the recommended adjustments for the DES. Once DES approved the project will be presented to the Conservation committee.**
 - o 4 Approved, 0, 0 abstain
- **Signage**- completed trails, Red Maple, Drilled rock, ridge. Other trails started gateway and Salamander Trail.
 - o School loop will need to be signed (safety cosmetics).
- **work day / Gateway Hill repair**–
 - o Proposal for this weekend or Memorial Day weekend. Need to modify the trail near the bridge (bridge landings) and would need to move rocks from further up the hill. Need shovels, picks, leaf blower etc.
 - o Suggest starting this weekend 5/17 9:00AM. Meet at Beebe lane cul de sac.
- **School signage**: Missing map at the school kiosk? Grater woods map is missing, map boxes are now both filled with school maps only. Shannon to follow up with the school to request that we add back the grater woods map and fill the map boxes.
- **Forestry**:— Follow up from the foresters is still outstanding for the two options for where they will bring the trucks in. Red maple /hill needs repair as some of the hill has slid into the drainage area.
- **Eagle Scout project update**: Benjamin Parker’s project has been approved.

- **Kiosks – Beebe Ln and Conservation Dr:** – Suggestion was that we hire the contractor who installed/built the gates. Blue prints have been created. Quotes for two Kiosks will be submitted by Matt.
- **Disc golf course:** Parks and Rec is interested in Disc golf. Shannon suggested that Parks and Rec discuss with Nat on the GW sub-committee.
- **Blood Road / Bambi Lane bridge:--** Reviewing to see if this could be an Eagle scout project.
- **Discussed ATV use on ATV / no use trails:** Signage is up. Monitoring for additional reports. **Skyline trail** will start to be flagged for connecting from ridge trail to grater wood. May be issues with rogue trails from private property crossing the new trail.
- **Meeting adjourned:** 9:25PM

Next Meeting:

Scheduling for next Tuesday June 10th. Add Matt Casparius to agenda to discuss and talk about Disc golf.