CONSERVATION DEPARTMENT DETAILED AGENDA

Date: June 23, 2022 Time: 6:00 pm

DECISIONS

I. PUBLIC HEARINGS

1. 61 New Boston Road-Local NOI-Construction of a Single Family House

Owner/Applicant: Christina LaFortune Representative: M. Farrell, Green Hill Engineering

Request: Issue an Order of Conditions

o <u>Documents Presented</u>: colored site plans

o <u>Jurisdiction:</u> SWB Buffer Zone

o <u>Project Summary</u>:

• Project includes the construction of a single family house, septic system and connection to town water in the outer buffer zone.

o Staff Notes:

- Proof of abutter notifications required. Proof of legal ad required.
 - Project site is not located within Priority & Estimated Habitat.
 - Site visit performed.
 - Work is not shown within 100 feet of a BVW. All work only within local jurisdiction under the SWB. House and driveway are at extent of the 200-foot buffer zone.
 - Project includes erosion controls (silt fence only) at the LOW. Staff recommend that the ECs are located along the southern and northern property lines versus on adjacent properties. ECs should be set off property lines. That will also assist with prevention of materials from migrating to the low point/cart road area which heads to the wetland. A straw wattle should be installed in addition to the silt fence.
 - Road is a scenic road. Tree removal in the road ROW would require Planning Board approval.
 - DPW noted that there could be concerns with nearby drainage for a new development here. This should be discussed with the DPW. The ECs should be installed to not allow drainage into the work area during work.
- Staff Recommendation: Provided that the legal ad and abutter notifications received, staff recommend closing the hearing and approving the project with the following conditions:
 - Standard OOC conditions.
 - Sedimentation controls shall be installed as mentioned above and maintained during work.
 - Require a surety bond or deposit of money during work to ensure conditions are met.
 Funds to be returned or bond to be released upon issuance of a Certificate of
 Compliance. \$5,000 for new single family house development has been previously required. To be released upon issuance of a Certificate of Compliance.

2. 243 Big Alum Road- RDA-Site Improvements

Owner/Applicant: Yulie Peterson Representative: none

o Request: Issue a DET

- Documents Presented: sketch drawing
- <u>Jurisdiction:</u> Bank and Buffer Zone
- o **Project Summary**:
 - Project includes cutting back over-grown brush and growing grass and new shrubs. Project
 also includes cleaning out an unmaintained drainage swale along Big Alum Road and the
 installation of a vinyl fence adjacent to the lake.

○ Staff Notes:

- Proof of abutter notifications required. Proof of legal ad required.
 - Project site is not located within Priority & Estimated Habitat.
 - Site visit performed.



Conservation
Agent
Rebecca Gendreau

Administrative Assistant Erin Carson

Conservation
Commission
Members
Ed Goodwin
Steven Chidester
David Barnicle

Erik Gaspar

Roy Bishop

308 Main Street. Sturbridge, MA 01566 T 508/347-2506

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- Staff contacted the property owner requested a filing as work appeared to have been occurring in the 100-200 ft local BZ. Owner had been clearing out overgrown vegetation. Was historically a field. He plans to plant grass here and maintain as a field and rotate animals here.
- Also proposing to clean out an unmaintained road swale along Big Alum Road. This is a private road and the swale is
 on his land. Details pertaining to how it will be done and where materials are to be deposited would be useful. It's
 important to make sure that inadvertent impacts don't occur downstream as this discharges to wetlands.
- Additional info on location of the fence appears necessary in order to evaluate.
- DPW noted some of Big Alum Rd is town owned. Will need to coordinate w/ DPW ensure that work is just on his land and go over project with them. May have recommendations.
- Staff have no overall concerns with the project but additional detail should be provided on the items noted above to evaluate as part of this decision. Staff spoke to owner and additional info to be provided. Fence to be removed from application as survey work has been delayed. Will file for fence at a later time.
- Staff Recommendation: Provided that the legal ad, abutter notifications and additional information is received, staff
 recommend closing the hearing and approving the project with the following conditions:
 - Minimal vegetation clearing to be completed for swale clean out.
 - Swale work not to be completed during inclement weather. All excavated material to be immediately loaded and removed from BZ.
 - Work with DPW prior to swale work.
 - Standard pre-work and sign of conditions.

3. Lot 3, 20 Fiske Hill Road & 30 Main Street (Future Road named Berry Farm) – continued NOI-Construction of a 71 lot manufactured housing community-DEP File# 300-1132

- Owner: M. Sosik Applicant: Justin Stelmok Representative: B. Madden, LEC Environmental
- o Request: Issue an Order of Conditions
- o <u>Documents Presented</u>: n/a
- Project Summary: Project includes construction of a private roadway network, 71 manufactured house lots, a clubhouse, parking, and associated stormwater management measures.
- Staff Notes:
 - Project was continued to allow start of peer review by Oxbow Associates. Peer review to have been started week of 6-13-22. Report has not been received yet.
 - Initial stormwater/engineering peer review started by Pare (attached).
 - DEP File # and comments issued since last meeting. (see attached). DEP has questions in regards to stormwater management. Staff shared this with Pare Corp. for comment.
- o <u>Staff Recommendations</u>: Schedule site visit to review site w/ Oxbow to review. Request reply to DEP's comments and review by Pare.

4. 150 Charlton Road- *continued* NOI- Development of a commercial building, truck parking, and supporting infrastructure for a tow truck facility- DEP File #300-1115

- Owner/Applicant: Cobra Realty Trust (formerly) Interstate Towing Representative: G Krevosky, EBT Environmental
- o Request: Issue OOC
- Documents Presented: n/a
- <u>Project Status Summary</u>: Project was continued from the last hearing as requested to allow additional information to be submitted.
- o Staff Notes:
 - Revised materials (site plan and stormwater analysis) received 6-14-22. Project has substantially changed. Staff have forwarded to DEP for comment.
 - Property owner has now requested to be the applicant after the initial applicant withdrew the NOI then asked to keep it open. Staff have been informed that the owner is looking to have a footprint approved and that there is not currently a new tenant/use proposed. Zoning is industrial.
 - Interstate Towing still noted as applicant on stormwater analysis.
- Staff Recommendations: Recommend not voting on the project until DEP has reviewed the revised submission and made comments.

II. WETLANDS DECISIONS

1. 6 Preserve Way-Partial request for a Certificate of Compliance-DEP File#300-471

o <u>Applicant:</u> Peters and Sowyda <u>Original Permit Holder</u>: Robert Moss

- Request: Issue a COC
- Staff Notes:
 - Site visit performed.
 - Development is in compliance with OOC. OOC was for full subdivision. This property does not appear to be within the BZ.
- Staff Recommendations: Issue partial CoC releasing 6 Preserve Way from the OOC.

2. 34 Cedar Street - Minor Change Request - DEP File#300-1104

- Applicant: Modern Technology Modular Homes
 Original Permit Holder: Kenneth Mollicone
- Request: Approve change
- Staff Notes:
 - DPW has requested a turnaround be added to the driveway. They do not want cars backing out of this location. Driveway is outside of 100 ft. BZ. Driveway already included stormwater BMPs. No change of the LOW proposed.
- Staff Recommendations: Approve as a minor change.

III. ADMNISTRATIVE DECISIONS

3. Minutes of 6/2/22 to be approved

4. Special Use Request-HR &G Club

- <u>Summary:</u> Annual request to use portion of Plimpton property for their R100 3D archery shoot on the dates of August 26, 2022 through August 28, 2022.
- <u>Staff Notes:</u> Use is same as past request. Plan to use existing trails. Minimal vegetation cutting back needed. Staff awaiting Opacum comment. Staff don't anticipate any concerns as reoccurring request.
- <u>Staff Recommendations:</u> Provided Opacum satisfied, staff recommend approval with the following conditions previously applied:
 - Abide by all terms and conditions in the Memorandum of Agreement with Opacum Land Trust (assuming same will be done as in past years).
 - UTV's may be used to transport the archery targets only.
 - UTV's shall not be used to transport people or to administer the event.
 - UTV's shall remain on existing trails.
 - HR&G is responsible for repairing any damage resulting from the event or the use of motorized vehicles.
 - All targets, signs, and other material from the archery event shall be removed from the community forest within 1-week of the conclusion of the event.
 - There shall be no disturbance of stone walls.
 - Only minimal trimming of small brush and limbs will be allowed for the sole purpose of creating shooting lanes. Please minimize all cutting of vegetation.
 - No construction of new trails.

UPDATES

IV. OLD BUSINESS

9. 36 Mt. Dan Road

• <u>Summary:</u> Staff have had correspondence with the property owner and have met with him. He has asked that his concerns be shared with the board. He is unavailable to attend meetings but has concerns with the letter he received.

10. Enforcement Order - 205 B & 205 C Podunk Pike

• <u>Summary:</u> At the SCC's 5-12-22, the board requested that staff notify and request that the entities named in the EO for these properties attend an upcoming meeting as the conditions have lapsed and they have not been notified if the approved restoration work has been implemented. No new information has been received. Green cards received for receipt of mailing. If they do not intend to comply, the board may consider now referring the matter to town counsel to file a lawsuit seeking compliance with the Enforcement Order in Superior Court.

V. ADMINISTRATIVE UPDATES

11. Committee Updates: CPA, Trails, Open Space, and Lake Advisory

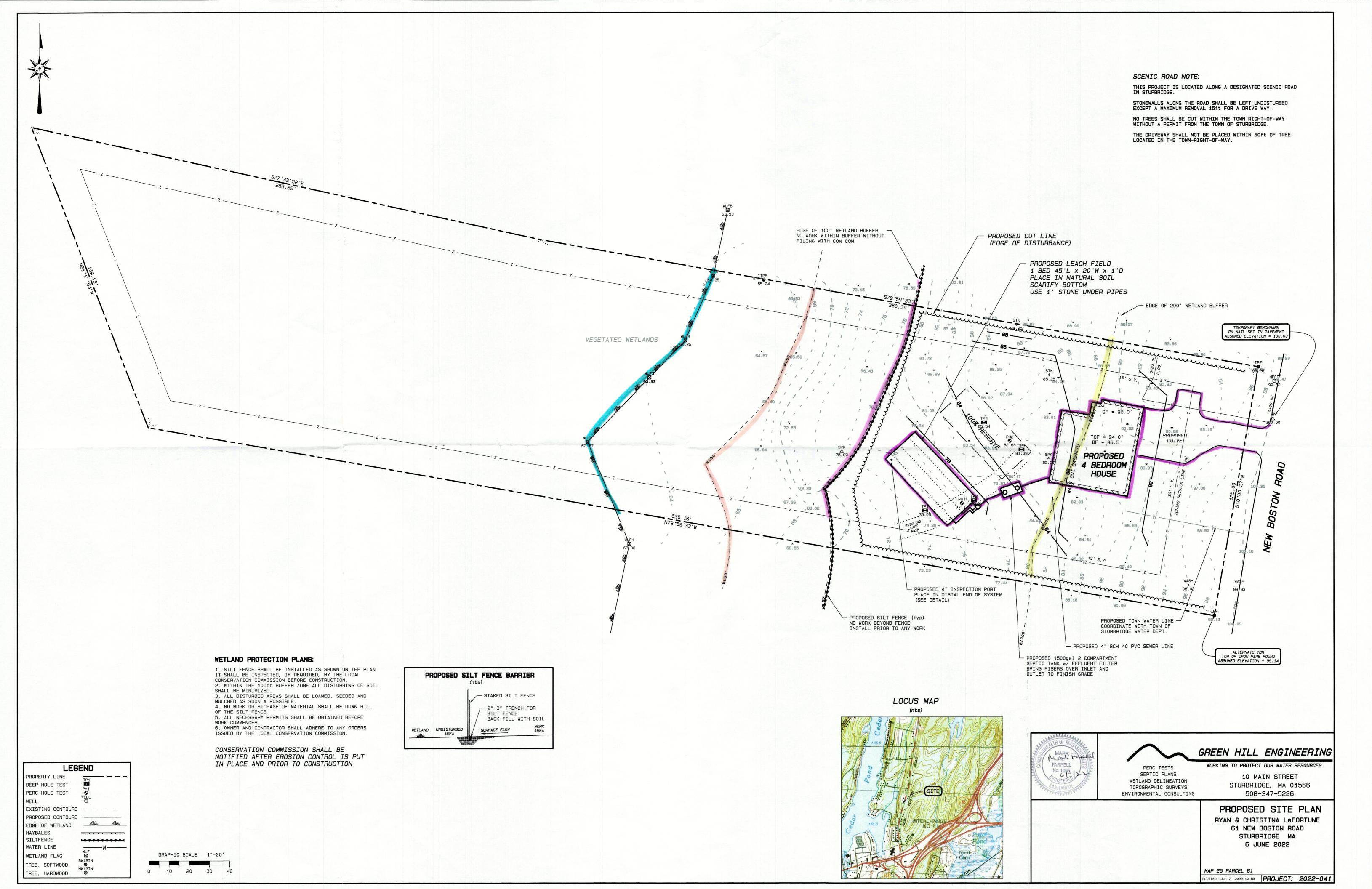
VI. NEW BUSINESS

12. Tree Removal Policy

o <u>Staff Notes</u>: Revised draft policy for review.

13. Agent's Report

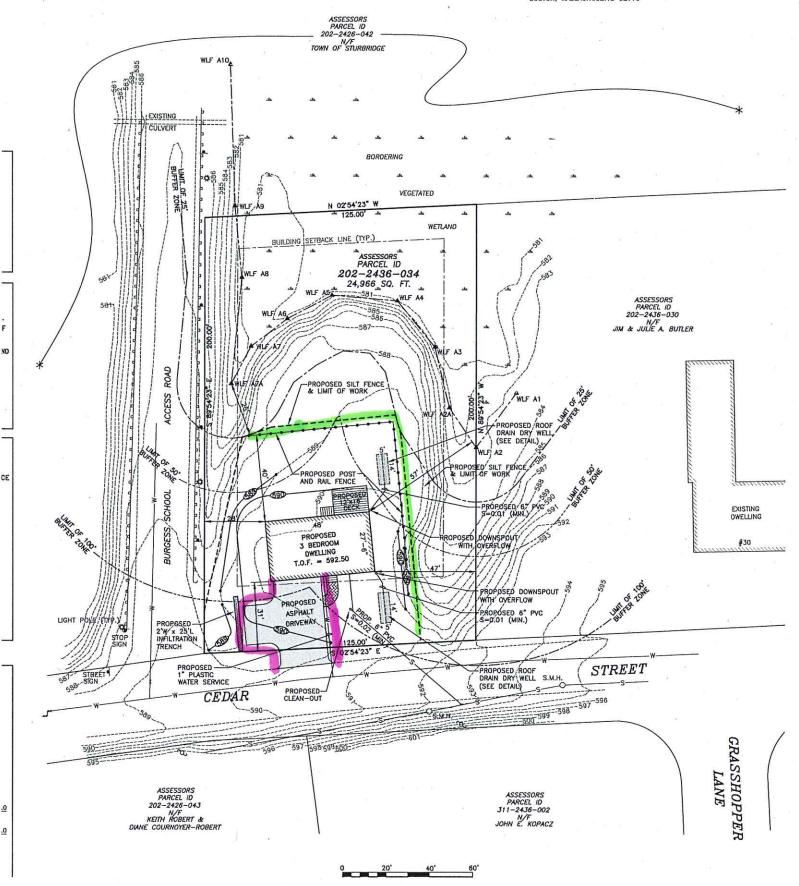
14. Next Meeting-July 14, 2022 and Site Visit Schedule- July 12, 2022 9am-12 pm



243 Big Alum Road



Property Tax Parcels 2021 Aerial Imagery





MEMORANDUM

DATE: May 20, 2022

TO: Jean Bubon, AICP, Town Planner

CC: file

FROM: John P. Shevlin, P.E.

Re: Request for Proposals - Engineering Review Services

Blueberry Hill Estates-Site Plan & Special Permit

30 Main Street/20 Fiske Hill Road

Sturbridge, Massachusetts (Pare Project No.: 22088.00)

On behalf of the Planning Board ("Board"), Pare Corporation (Pare) has completed our preliminary review of the Special Permit and Site Plan Approval application submitted by Fiske Hill Realty Trust for the construction of a 55+ manufactured housing community within the cul-de-sac subdivision on the site located at 30 Main Street and 20 Fiske Hill Road. The site consists of 71 units with optional garages, a clubhouse, open space for residents and a storm water system. The community will be privately owned and maintained after completion. The Subdivision Plan was approved by the Planning Board in 2021.

Pare has been provided the following information for review:

- Special Permit and Site Plan "Blueberry Hill Estates, 55+ Manufactured Housing Community Lot 3 Berry Farms Road" Sturbridge, Massachusetts owned by: Fiske Hill Estates. Plan date 4/1/22. Plan prepared by McClure Engineering.
- Permit Application dated March 30, 2022 from Fiske Hill Estate
- Development Impact Statement prepared by LEC
- Phasing Plan dated February 23, 2022. Prepared by McClure Engineering.
- Stormwater Management Report dated April 5, 2022 prepared by McClure Engineering, Inc.
- Operations & Maintenance Plan
- Legal Notice
- Waiver Request dated April 4, 2022 from Fiske Hill Estate

Pare offers the following pertaining to this submission.

PLANS

- 1. Sheet C-1- Title Sheet- Fix spelling of "Manufactured",
- 2. *Sheet C-1- Title Sheet* Owner is referenced as both Justin Stelmok and Fisk Hill Realty Trust. Please clarify.
- 3. *Sheet C-1- Title Sheet* Please modify Drawing Index to match plan sheets:

- C-15 thru C-18: "Phasing and Erosion Control Plans" should be "Erosion and Sediment Control Plans".
- Add Sheet C-19 "Phasing Plan".
- Plan & Profile Sheets should be sheets C-20 thru C-23.
- "Construction Details" should be "Site Details". Should also be labelled sheets C-24 thru C-30.
- 4. Sheet C-3 thru Sheet C-5 Existing Conditions Show test pit locations on plans.
- 5. Sheet C-7 Layout and Materials Plan Cul-de-sac for Proposed Drive C exceeds 500 feet.
- 6. *Sheet C-7 Layout and Materials Plan-* Label width of Proposed Drive A.
- 7. Sheet C-7 and C-8: Layout and Materials Plan- Is Drive A considered a major road? If so is radii of 150' acceptable?
- 8. Sheet C- 7 thru C-9: Layout and Materials Plan Curb radii shown as 20'. Minimum radius should be 30 feet.
- 9. Sheet C-7 thru C-10: Layout and Materials Plan Lot lines with areas, frontage and depth dimensions should be provided.
- 10. Sheets C-7 thru C-10: Show bound locations on plan and provide a detail.
- 11. Sheet C-8: Layout and Materials Plan- Label width of Drive A.
- 12. *Sheet C-8: Layout and Materials Plan* Label square footage of clubhouse. Should be 1,500 square foot minimum.
- 13. *Sheet C-9: Layout and Materials Plan* Label Drive A. Provide width.
- 14. Sheets C-11 thru C-14: Grading and Drainage Plans- In general, the design concept for the stormwater layout is acceptable. Confirmation of many of the grades and elevations were difficult to review due to clarity of numbers.
- 15. Sheet C-19 Phasing Plan Please clarify the limits of some of the phasing There is a Phase 1 identified in the area of the intersection of Drive A and Drive C. A separate colored Phasing Plan was provided. Please clarify which is correct. If necessary modify the plan set.
- 16. *Sheet C-20: Plan and Profile Drive A*: the 2% grade at the intersection with Berry Farm Road should be extended to at least 100 feet.
- 17. Sheet C-21: Plan & Profile Drive A- due to length of cul-de-sac and waterline dead end does waterline need to be looped. Review with the water department.
- 18. Sheets C-20 thru C-23: Plan & Profiles- Label centerline elevations on profiles.
- 19. Sheet C-24: Site Details Bituminous Concrete Sidewalk & Driveway Detail Gravel base shall be 8". Also, bituminous concrete sidewalks shall consist of three (3) inches of bituminous concrete applied in a base two-inch layer and a top one-inch layer. Per regulations for sidewalks, "In all areas all materials shall be removed or filled to a depth of thirteen (13) inches below the finished design grade. In areas of high groundwater, as determined by soil borings, all materials shall be removed or filled to a depth of seventeen (17) inches below the finished design grade." Add to detail.
- 20. Sheet C-24: A vegetated area of at least four (4) feet in width shall be located between the sidewalk and the curbing, maintained in grass or retained natural vegetation, unless the Board approves an alternate sidewalk placement.
- 21. *Sheet C-27: Site Details* Typical Hydrant with Gate Detail Elevation View 18" minimum should be 24" minimum.
- 22. *Sheet C-28: Site Details* Site Entrance Mat Width of mat should be 24' minimum instead of 20' minimum.
- 23. *Sheet C-28: Site Details* A landscaping plan prepared by a certified landscape architect should be provided.
- 24. *Sheet C30: Site Details* Sidewalk Culvert Section Sidewalk should be 3" bituminous and 8" gravel borrow.

- 25. *Sheet C30: Site Details* Rain Garden Typical Cross Section Finish grade of rain garden is proposed to be mulch. Has stone been considered.
- 26. Site Details Provide light detail.
- 27. General O & M Plan How will snow removal/storage occur?

STORMWATER MANAGEMENT REPORT

- 1. *Introduction* The applicant does a good job with the Scope of Analysis, the Site Description, and the Proposed Construction description.
- 2. *Hydrologic Analysis* The information and analyses performed pertaining to this section are complete. The results of the analyses indicates no increase or a decrease in post peak rate runoff at all 8 analysis points for the 2, 10, 25 and 100-year, 24-hour storm event. Analysis provided is acceptable.
- 3. Stormwater Standards We are providing a list of each standard and supporting documentation for each for review.
 - Standard No. 1: No new stormwater (e.g.) outfalls may discharge untreated stormwater directly to or cause erosion in wetlands or waters in Commonwealth.
 - Met. The design includes stormwater discharges through water quality treatment BMPs prior to discharge. Riprap outfalls or perforated pipe level spreaders are used to reduce runoff rates to prevent erosion or sedimentation downstream..
 - Standard No. 2: Stormwater management systems shall be designed so that postdevelopment peak discharge rates do not exceed pre-development peak discharge rates.
 - Met. The proposed design indicates that there will be no increase to off-site peak flow rates and the rate of runoff will not increase the flood elevation downstream.
 - Standard No. 3; Loss of annual recharge to groundwater shall be eliminated or minimized through the use of infiltration measures including environmentally sensitive site design, low impact development techniques, stormwater best practices, and good operation and maintenance. At a minimum, the annual recharge from the post-development site shall approximate the annual recharge from pre-development conditions based on soil type.
 - Met. Recharge volumes through the use of raingardens and infiltration basins will provide ground water recharge that will far exceed the required recharge volumes.
 - Standard 4: Stormwater management systems shall be designed to remove 80% of the annual post-construction load of Total Suspended Solids (TSS). The Standard is met when:
 - a. Suitable practices for source control and pollution prevention are identified in a longterm pollution prevention plan, and thereafter are implemented and maintained;
 - b. Structural stormwater best management practices are sized to capture the required water quality volume determined in accordance with the Massachusetts Stormwater Handbook; and

c. Pretreatment is provided in accordance with the Massachusetts Stormwater Handbook.

Met: The applicant has provided data that indicates that with the proposed design greater than 80% of the annual post-construction load of TSS will be removed.

• Standard 5: For land uses with higher pollutant loads, source control and pollution prevention shall be implemented in accordance with the Massachusetts Stormwater Handbook to eliminate or reduce the discharge of stormwater runoff from such land uses with the higher potential pollutant loads cannot be completely protected from exposure to rain, snow, snow melt, and stormwater runoff, the proponent shall use the specific structural stormwater BMP's determined by the Department to be suitable for such uses as provided in the Massachusetts Stormwater Handbook. Stormwater discharges from land uses with higher potential pollutant loads shall also comply with the requirements of the Massachusetts Clean Waters Act, M.G.L. c. 21, Sections 26-53 and the regulations promulgated thereunder at 314 CMR 3.0, 314 CMR 4.00 and 314 CMR 5.00.

NA. Agreed this site is not a Land Use with High Potential Pollutant Loads.

• Standard 6: Stormwater discharges within the Zone II or Interim Wellhead Protection Area of a public water supply, and stormwater discharges near or to any other critical area, require the use of the specific source control and pollution prevention measures and the specific structural stormwater best management practices determined by the Department to be suitable for managing discharges to such areas, as provided in the Massachusetts Stormwater Handbook.

Met. Stormwater does discharge to or near critical areas consisting of vernal pools. All discharges from paved areas will be treated to a minimum 85% TSS removal and the discharges to or near the critical areas (vernal pools) are treated for 44% pretreatment prior to infiltration. Also with the treatment being provided, the applicant has demonstrated that the EPA Region 1 BMP Performance Extrapolation Tool and the Massachusetts Stormwater Handbook will provide for a minimum of 60% phosphorous removal as well.

• Standard 7: A redevelopment project is required to meet the following Stormwater Management Standards only to the maximum extent practicable: Standards 2 & 3 and the pretreatment and structural best management practice requirements of Standard 4, 5 and 6. A redevelopment project shall also comply with all other requirements of the Stormwater Management Standards and improve existing conditions.

NA. Agreed that this is not a redevelopment project but the standards are being met.

• Standard 8: A plan to control construction-related impacts including erosion, sedimentation and other pollutant sources during construction and land disturbance activities (construction period erosion, sedimentation, and pollution prevention plan) shall be developed and implemented.

Met: An acceptable weekly inspection report form has been provided, and a construction period erosion and sediment control plan has been outlined on the site plans along with a sequence for implementation and construction phasing.

• Standard 9: A long-term Operation and Maintenance Plan shall be developed and implemented to ensure stormwater management systems function as designed.

Met: An acceptable Operations and Maintenance Plan has been provided.

• Standard 10: All illicit discharges to the stormwater management are prohibited.

Met: The applicant has addressed that illicit discharges to the stormwater management system are prohibited in the Long-Term Operation and Maintenance Plan.

GENERAL

Pare is of the opinion that the submission and in particular the Stormwater Management System has been designed to meet the requirements of the Groundwater Protection District 16.06 C. (6). Water quality has been addressed with the proposed design components. We have found the analysis performed to be accurate and the components of the system have been sized appropriately for the proposed design.

We are available to discuss our initial comments at the May 24, 2022 Board meeting. After hearing the presentation, Pare will complete our review. In the meantime, if you have any questions please feel free to contact me.



Hamilton Rod & Gun, Inc. PO Box 954 24 Hamilton Road Sturbridge, MA 01566-0954 March 11,2020

Rebecca Gendreau Conservation Commission Town of Sturbridge 308 Main Street Sturbridge, MA 01566

Subject: Hamilton Rod & Gun Club R100 3D Archery Shoot Notification

Dear Ms. Gendreau

On behalf of the Club please accept the Club's thanks for the continued support of the Town in the Club's efforts to maintain for open space the 138 acres we enjoy.

The Club today stands at approximately 600 memberships, including over 250 residents of Sturbridge. The Club continues to offer archery, camping, fishing, pistol, rifle, trap, upland game and youth activities. The Club celebrated its 100th year of operation in 2021.

Enabling the Club to support these activities and maintain modest member dues the Club does host a number of fundraising activities. It is the Club's interest again in 2022 to host the R100 3D archery shoot on the dates of August 26, 2022 through August 28, 2022. Registration begins at 12 noon on Friday July 9 and at 7am for Saturday and Sunday. The activities will end at 6 pm for both Friday and Saturday then 3 pm on Sunday. We expect 300 to 600 participants over the 3 days.

Per our agreement we are notifying the conservation commission of our request to use the property abutting the Hamilton Rod and Guns property, formerly Plimpton property, for this event at least 45 days in advance. I envision 20 to 35 targets will be set up on the old Plimpton property as we have done for all previous R100 shoots. If our request is accepted, we will add the Town of Sturbridge to the club's insurance for the three days.

If the board would like to meet with me in person please add me to the schedule and send date and time, otherwise you can confirm if the request is accepted via E-mail. My contact information is as follows dankraz50@gmail.com or by phone at 508-397-6040.

Sincerely,

Dan Krasnecky, Archery Chairman