



CONSERVATION COMMISSION MEETING MINUTES – June 20, 2016

Present: Scott McIsaac- Chair, Eldon Abbott- Vice Chair, Bob Mosher, Laurie Freeman, John Morrissey, Loni Fournier- Conservation Officer

Meeting was called to order at 7:02 PM.

Approval of Minutes

Motion: Commissioner Abbott motioned to approve the minutes from the June 6, 2016 Commission meeting.

Second: Commissioner Mosher **In Favor:** All **Opposed:** None

Certificates of Compliance

365 East Street – DEP 034-1150

Applicant: Robert Barry

The Order of Conditions was issued in August 2013 for the construction of a single family house with a driveway and utilities. Staff visited the site on 6/15/16. The final approved plans and the as-built plans differ slightly, with the final approved plans containing 381 ft² of the dwelling within the 100 foot buffer zone, while the as-built plan has 996 ft² of the dwelling within the 100 foot buffer zone. Staff contacted the engineer for an explanation regarding the change in design, but the engineer has not replied.

The resource area is an old excavation site (quarry), which now holds water. Currently there is lawn and forest between the house and the edge of the quarry. Other than the house footprint, the rest of the proposed project adheres to the final approved plan. Though a slightly larger portion of the house is within the 100 foot buffer zone, it should not adversely impact the resource area.

The Conservation Officer asked the applicant, Robert Barry, why the house was repositioned from the final approved plans. Mr. Barry stated that it was an error that took place during the site excavation.

Motion: Commissioner Abbott motioned to approve the Certificate of Compliance for 365 East Street, DEP 034-1150.

Second: Commissioner Mosher **In Favor:** All **Opposed:** None

329 Whiting Street – DEP 034-0674

Applicant: Karl Giberson

Jay Hall, of CHA Consulting, Inc., presented the as built plans to the Conservation Commission.

The Order of Conditions was issued in April 2002 for the construction of a recreational sport court. Staff visited the site on 6/6/16. The final approved plans and the as-built conditions differ slightly, with the final approved plans containing approximately 1,300 ft² of impervious surface within the 50 and 100 foot buffer zones, while approximately 1,900 ft² of impervious surface was constructed in those same areas. The design of the court was changed during construction in order to “conform more appropriately to a basketball court with a three-point shooting line.” Most of the additional impervious surface was added in the 100 foot buffer zone, and should not adversely impact the resource area.

Motion: Commissioner Freeman motioned to approve the Certificate of Compliance for 329 Whiting Street, DEP 034-0674.

Second: Commissioner Morrissey

In Favor: All

Opposed: None

Commissioner Mclsaac read the Public Hearing Notice of Intent.

Notice of Intent

895 & 901 Main Street – DEP 034-1258, continued from June 6, 2016

Applicant: Gerry Rankin Representative: Gary James

Proposed: Subdivision

Commissioner Morrissey recused himself from the hearing.

Gary James, of James Engineering, Inc., submitted plans to the Commission that reflected changes that were requested by the Planning Board, including a cul de sac and a wider roadway. The stormwater management system was updated to address these changes.

Mr. James stated that there will be no activity within the 50 foot buffer zone; a proposed retaining wall on Lot 4 is the closest activity to the buffer zone. A catch basin will also be installed in the driveway of Lot 4. A proposed Fabco insert will provide the primary TSS removal. Mr. James reminded the Commission that construction on Lot 4 would be reviewed under a separate NOI.

Mr. James stated that approximately 12-13,000 yards of material would be removed from the site, and that the percolation tests for the Board of Health were complete.

Commissioner Abbott asked Mr. James what would happen on site in the event of a stronger than 100 year storm. Mr. James replied that there was a four inch outlet that would release excess stormwater from the drainage lot. Mr. James further discussed the depth to groundwater on the site and how each home's stormwater management system may be configured to best deal with the water from roof, driveway, etc.

John Chessia, of Chessia Consulting Services, LLC and peer reviewer for the project, stated that there were some revisions to the plans since his June 15, 2016 letter, which he did not have a chance to review. He noted that the most recent plans were stamped.

Mr. Chessia stated that he had some issues with the drainage area plans, due to some numbers not matching the drainage calculations. Mr. Chessia further stated that he felt a more complete drainage package was needed in order to meet Standard 2 of the DEP Stormwater Management Regulations.

Mr. Chessia stated that Standard 1 appeared to be met; the only outlet was the four inch pipe from the drainage lot and he did not feel that erosion would be a problem. He further stated that a condition should be added for a full design of the individual house lot stormwater management systems. Gerry Rankin indicated that the plans would be submitted as part of each building permit.

Mr. Chessia noted that the ORAD expired and the Commission will need to reconfirm the wetland line. He also mentioned that the regulations require NGVD 29, but the current standard is NAVD 88, which the plans meet. Mr. Chessia also stated that the Commission required all trees over six inches to be shown on the plan, however the Planning Board requested 12 inch trees, which the plans meet.

Regarding Standard 3, Mr. Chessia stated that the applicant will meet the recharge rate. For Standard 4, Mr. Chessia stated that the majority of the proposed system meets the standard for TSS removal, however there was not enough detail on the Fabco insert proposed for Lot 4. For Standard 8, Mr. Chessia recommended requesting a copy of the

SWPPP in advance of the start of construction. Finally, for Standard 9, Mr. Chessia recommended that guidance on maintaining the roof and gutter systems should be added to the O&M Plan, as well as information on the Fabco insert. He further stated that the O&M Plan would be appropriate to submit as part of the request for a Certificate of Compliance.

Commissioner Abbott asked Mr. James who would maintain the drainage field and roadway. Mr. James responded that it would be the homeowner's association. Mr. Rankin stated that it was a private road and the drainage regarding private roads had to be adopted into the association articles. Commissioner Abbott asked if each homeowner would receive a copy of the O&M Plan. Mr. James stated that they would.

Mr. Chessia stated that he was going to review the latest plans prior to the next Planning Board meeting on Monday, June 27th.

Commissioner Abbott asked Mr. James what the elevation was for groundwater on the site. Mr. James responded 96 feet and further discussed the elevation of the individual septic systems, all of which were above groundwater.

Commissioner Freeman asked Mr. James if he had a chance to review the proposed conditions. Mr. James replied that he had not reviewed them yet.

Commissioner McIsaac asked if the proposed stormwater management system will help alleviate some of the water runoff onto the abutting property, and if the homeowners were aware of the plans. Mr. James stated that they were aware, however he was not sure whether the runoff would go through the property or down the roadway onto Main Street. Mr. James and Mr. Chessia further discussed this matter and felt as though the runoff would go down the roadway.

Commissioner Abbott asked Mr. James about his plans to control the runoff during construction. Mr. James responded that they plan to redirect the runoff to a low point on the site, created by the construction of the roadway, where it will seep back into the ground.

Commissioner McIsaac opened the hearing to public comment. Hearing none, Commissioner McIsaac closed the hearing to public comment.

Motion: Commissioner Abbott motioned to issue an Order of Conditions for the proposed work at 895 & 901 Main Street, as shown on the final plans, and adopt the findings of fact a and b, and conditions 1 through 13 of the staff report, as amended by the Commission.

Findings:

- a. The project meets the requirements for issuance of an Order of Conditions under the Wetlands Protection Act (M.G.L. c. 131, § 40) and the Town of Hingham Wetland Regulations.
- b. The work described is within an area subject to protection under the Wetlands Protection Act (M.G.L. c. 131, § 40) and, provided that erosion and sedimentation controls, and stormwater best management practices are utilized during all phases of construction, will not alter or adversely affect the area subject to protection under the Act or the wetland values of the Regulations.

Conditions:

1. Prior to the start of construction on any house, additional data on the proposed roof leaching pits shall be submitted to the Conservation Department for review and approval in order to ensure that the design meets Standard 1 of the DEP Stormwater Management Regulations.
2. Prior to the start of construction, additional data on the post-development peak discharge rates shall be submitted to the Conservation Department for review and approval. The additional data will include revised calculations and plans; an updated plan will reflect the limit of woods and a full drainage plan, in order to ensure that the design meets Standard 2 of the DEP Stormwater Management Regulations.

3. Prior to the start of construction, additional data on groundwater recharge shall be submitted to the Conservation Department for review and approval. The additional data will include soil test results for the proposed StormTech system location and roof leaching pit locations, and revised calculations on the impervious area and required recharge, in order to ensure that the design meets Standard 3 of the DEP Stormwater Management Regulations.
4. Prior to the start of construction on Lot 4, additional information on the proposed Fabco insert shall be submitted to the Conservation Department for review and approval in order to ensure that the design meets Standard 4 of the DEP Stormwater Management Regulations.
5. One month prior to the start of construction, a SWPPP shall be submitted to the Conservation Department for review and approval in order to ensure that Standard 8 of the DEP Stormwater Management Regulations.
6. Prior to the issuance of a Certificate of Compliance, a revised O&M Plan shall be submitted to the Conservation Department for review and approval. The revised plan will include maintenance information on the proposed Fabco insert, StormTech system and all on-lot structures, as well as corrected information on the size of the proposed oil/grit separator, in order to ensure that Standard 9 of the DEP Stormwater Management Regulations is met.
7. Prior to the start of construction, a signed certification stating that there are no illicit discharges into the stormwater management system shall be submitted to the Conservation Department.
8. Prior to the start of construction, erosion controls shall be inspected by the Conservation Department; straw wattles and/or hay bales will not be used as a form of erosion control.
9. Erosion controls shall remain in place until construction is complete and a final vegetative cover is established.
10. Any debris that falls into the resource area shall be removed immediately by hand.
11. Stockpiling of soils, if necessary, shall be located beyond the 100 foot buffer zone and surrounded by erosion controls; straw wattles and/or hay bales will not be used as a form of erosion control.
12. The Conservation Department shall be notified to any changes in plans prior to proceeding with said changed plans.
13. The applicant and/or representative shall submit a separate Notice of Intent application for the construction of a single family house on Lot 4, prior to the start of said construction.

Second: Commissioner Mosher

In Favor: All

Opposed: None

The meeting adjourned at 8:08PM.

Submitted,

Loni Fournier, Conservation Officer

Approved on July 18, 2016.