

Town of Windham

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EMO

DATE: July 5, 2018

TO: Windham Planning Board
FROM: Amanda Lessard, Planner *AL*
Cc: Paul Hollis, Ruby Meadows LLC
Development Review Team

RE: 18-13 Ruby Meadows Subdivision– Preliminary Subdivision Plan
Planning Board Meeting & Public Hearing: July 9, 2018

Overview –

The applicant is proposing a 15-lot subdivision on a 29.58 acre property located on Albion Road and Pope Road. The traditional lot layout is proposed on a portion of a 111 acre property. A new 975 foot dead-end road is proposed to serve 10 lots in development. Three lots will have frontage on Albion Road and two lots will have frontage on Pope Road.

This project appeared as a Sketch Plan at the Board meeting on May 14, 2018. At that meeting the Board discussed, a waiver request from public water serving two lots on Pope Road, and the restoration plan for road opening for utilities given that Albion Road was recently repaired and base paved. Since that meeting the Town has surface paved Albion Road. The applicant has submitted a revised subdivision plan that slightly relocates the proposed roadway and revises lot lines in order to reduce wetland impacts. Three lots, instead of two shown on the sketch plan, now have frontage on Albion Road. A shared driveway is proposed for two of these lots. And two lots, instead of three, have frontage on Pope Road.

New comments from the staff memo dated May 8, 2018 appear as underlined text below.

Tax Map: 10, Lot: 78 (portion), Zone: Farm (F).

SUBDIVISION REVIEW

Staff Comments:

1. Waivers: Note that waiver request forms for performance standards d-f below that address the waiver criteria in Section 908 have not been submitted.

- a) §910.C.1.c.1 – High Intensity Soils Survey, Submission requirement.

Test pit analysis for each lot has not yet been submitted. Per Section 908.B, the applicant should provide reasons for which the waiver is sought.

- b) §910.C.1.c.3 – Hydrogeologic Assessment, Submission requirement.
A hydrogeologic assessment must be submitted when the subdivision is not served by public sewer and the subdivision has an average density of more than one dwelling unit per 100,000 square feet. Per Section 908.B, the applicant should provide reasons for which the waiver is sought.
 - c) §910.C.1.c.5 – Traffic Impact Analysis, Submission requirement.
A traffic impact analysis is required for subdivisions projected to generate more than 140 vehicle trips per day. Per Section 908.B, the applicant should provide reasons for which the waiver is sought.
 - d) §911.B.1 – Water Supply performance standard.
A subdivision shall connect to the public water system if the closest water main is within a distance equal to 100 feet multiplied by the number of lots in the subdivision. Public water is proposed to be extended down the proposed dead-end street. This waiver would allow the two lots with frontage on Pope Road to be served by private on-site wells. The existing public water main terminates at the intersection of Albion and Pope Road.
 - e) §911.M.5.b.5.ii – Public Dead-end Street performance standard.
Section 550.C states that no new private road shall be permitted to directly access a public street. The subdivision is accessed from an existing Town paved road. Public dead-end streets shall be constructed to provide a cul-de-sac turn-around. This waiver would allow the road to be constructed with a hammerhead turn-around. Staff feels the proposed design seems reasonable.
 - f) §911.M.5.b.6.ii – Sidewalks or shoulders performance standard.
The applicant is proposing no additional paved shoulder. The standards for Sidewalks or Shoulders, Major Local Streets state that sidewalks are not required if the subdivision is more than 1,000 feet from a “public building.” If sidewalks are not proposed, an additional one foot of paved shoulders are required on each side. Note that if the Planning Board finds that “vehicular trips from the generated by the subdivision will create unsafe pedestrian conditions, sidewalks can be required. Staff feels the proposed design seems reasonable.
2. Complete Application: *Staff recommends the Board not find the application complete until test pit analysis for all lots in the subdivision is submitted.*

MOTION: ~~The preliminary plan application for project 18-13 Ruby Meadows Subdivision is found complete in regard to the submission requirements based on the application checklist, but the Planning Board retains the right to request more information where review criteria are not fully addressed.~~

3. Public Hearing: A public hearing has been scheduled for the Planning Board meeting on July 9, 2018.
4. Site Walk: A site walk is scheduled for Monday July 9, 2018 at 5:30pm.
5. Findings of Fact and conclusions for the

Windham Planning Board,

The Board may not vote on the application until the application is found complete and requests for waivers from performance standards are addressed.

MOTION: ~~The Preliminary Subdivision application for 18-13 Ruby Meadows Subdivision on Tax Map: 10, Lot: 78 is to be (approved with conditions/denied) with the following findings of fact and conclusions.~~

FINDINGS OF FACT

A. POLLUTION

- No portion of this subdivision is within the mapped 100 year floodplain.
- This subdivision is not located over a significant sand and gravel aquifer.
- A hydrogeologic assessment must be submitted as part of the Preliminary Plan when the subdivision is not served by public sewer and the subdivision has an average density of more than one dwelling unit per 100,000 square feet. The applicant has requested a waiver from this submission requirement.

B. WATER

- The ~~two (2)~~ three (3) lots on Albion Road and the ten (10) lots on the proposed road will be served by public water for domestic use.
- An email dated June 12, 2018 from Robert Bartels, PE, of the Portland Water District includes a map noting the location, type, and size of the public water mains near the sites and states that it is possible to make a connection into a public main only after proper review and approval by PWD.
- An Ability to Serve letter from the Portland Water District approving the public water service to the subdivision must be submitted with the Final Plan.
- ~~Three (3)~~ Two (2) lots on Pope Road will be served by private wells. The ordinance requires that the subdivision must be served by public water if the closest water main is within a distance equal to 100 feet multiplied by the number of lots in the subdivision. The existing public water main terminates at the intersection of Albion Road and Pope Road. The applicant should submit a written waiver request from this standard.
- Existing fire hydrants are located on Albion Road near the Lot 13 and Lot 14 lot line, and at Pope Road at the intersection of Albion Road.
- At the Development Team Meeting on May 1, 2018 Fire Chief Brent Libby requested a new hydrant on the proposed street approximately 1,000 feet from the existing hydrants. Proposed hydrants should be shown on the plan.

- In an email dated June 29, 2018, Town Engineer Jon Earle P.E., requested a moratorium restoration detail for the water main and water service connection that conform with Chapter 210 Streets and Sidewalks.

C. SOIL EROSION

- An erosion and sedimentation plan, prepared by DM Roma Consulting Engineers, dated June 18, 2018, has been submitted as part of the Preliminary Plan. Notes and details are shown on Drawing D-1.
- A stormwater management plan that meets the water quality and quantity standards as well as the flooding standard of Section 3 DEP Chapter 500 Stormwater Management must be submitted as part of the Preliminary Plan. If this project requires a Maine Department of Environmental Protection (DEP) Chapter 500 Stormwater Permit, it must be submitted with the Final Plan.
- Freshwater wetlands have been identified on the plan. This project requires a Maine Department of Environmental Protection (DEP) Natural Resources Protection Act (NRPA) Tier-1 permit for wetland alterations. The permit must be submitted with the Final Plan. Five areas of wetland impacts are shown on Sheets PP-1 and LD-1. A note should be added to the subdivision plan stating the total amount of wetland impact associated with the proposed development.
- This project is in the NPDES (National Pollutant Discharge Elimination System) area as designated by the Environmental Protection Agency for the Town of Windham. As a result, there will be additional construction inspection requirements and ongoing requirements for reporting of stormwater infrastructure maintenance if the area of development is greater than one (1) acre. See Condition of Approval #2.
- A stormwater management plan has been submitted as part of the June 18, 2018 Preliminary Plan submission. The project proposes to treat the 9.33 acres of total developed area with one (1) underdrained filter basin, four (4) bioretention cells, forested buffers and roodline drip edges around each house.
- The forested buffers should be shown on the subdivision plan.
- Notes should be added to the subdivision plan that all buildings will require the installation of a roof drip edge filter for stormwater treatment and that the forested buffer should be permanently marked prior to the start of construction.
- The plan also includes an inspection, maintenance and housekeeping plan. The owner is responsible for the maintenance of all stormwater management structures and related site components until such time that a homeowner's association is created.
- In an email dated June 29, 2018, Town Engineer Jon Earle P.E., notes that there appears to be a typo in Table 1 peak runoff SP-1 25-yr storm. Chapter 500 water quality standard have been met but he requested that the lot by lot summary of impervious and developed areas be shown on the subdivision plan. He also requested additional ground topography for the footprints for each of the filter basin and bioretention cells rather than relying on the LIDAR aerial survey, and proposed grading for bioretention cells 3 and 4..

D. TRAFFIC

- Most of the subdivision lots will have access from the new 975 foot subdivision street, a paved public street. Section 550.C states that no new private road shall be permitted to directly access a public street.
- The proposed street right-of-way abuts the property line to provide access to future development on the abutting parcel. The purchase and sale agreement states that an easement will be provided to the seller's remaining land. This easement should be noted on the plan.
- Three of the lots will have access on Albion Road, and two lots will have access on Pope Road. Lots 13 and 14 will share driveway entrance on Albion Road. Sight distance in each direction for the proposed street and the driveways on the existing public streets should be shown on the Preliminary Plan. The preliminary plan submission dated June 18, 2018 states that the site distance at the proposed roadway is 535 feet looking right and 465 feet looking left which meets the Town standards for the posted speed limit of 35 mph on Albion Road.
- Lots 3 and 12 must have driveway access from the proposed street. This requirement should be noted on the plan.
- At the Development Team meeting on May 1, 2018, it was stated that Albion Road was recently paved and would need to comply with the moratorium road restoration standards for the proposed street openings.
- Section 911.M.3.d states that streetlights may be required at intersections with existing public streets. The Town of Windham Streetlight Policy, adopted June 25, 2013, states that streetlights should be at intersection with private roads that serve more than 10 lots.
- Based on the distance to uses that would generate pedestrian trips, sidewalks are not required. When sidewalks are not required for local streets, Section 911.M.5.b.6.ii requires that the applicant construct a sidewalk or a street with a widened shoulder. One (1) additional foot of paved shoulder, on each side of the street, shall be added to the required minimum shoulder width. The preliminary plan submission narrative requests a waiver from this standard. The applicant should submit a waiver request that address the waiver criteria in Section 908.
- A traffic impact analysis is required for subdivisions projected to generate more than 140 vehicle trips per day and should be submitted with the Preliminary Plan. The applicant has requested a waiver from this submission requirement.
- The preliminary plan submission dated June 18, 2018 states that the proposed 15 residential lots are expected to generate 15 peak hour trip ends.
- A road plan and profile, prepared by DM Roma Consulting Engineers, dated June 18, 2018, shown on Sheet PP-1. The roadway cross section for a minor local street is shown on Sheet D-2.
- In an email dated June 29, 2018, Town Engineer Jon Earle P.E., noted that the site distance is noted in the narrative but should also be shown on the plan.

E. SEWERAGE

- The development will be served by individual private subsurface wastewater disposal systems.

- Soil test pit analysis prepared by Mark Cenci, LSE of Mark Cenci Geologic, Inc dated May 8, 2018 and June 15, 2018 show that each lot has adequate soils to support a private septic system. Test pit locations are shown on the plan. There is no test pit shown on the Lot 11. TP 19 thru 22 included with Mark Cenci's June 15, 2018 additional wastewater disposal investigation aren't shown on the plan. Plan Sheet PP-1 shows TP 23 on Lot 11 and TP 24 on Lot 12, but those soil profiles were not included in the preliminary plan submission.

F. SOLID WASTE

- Residents of the single family dwellings will participate in the Town's pay-per-bag garbage program.
- Development of these lots should not produce an undue burden on the Town's ability to collect and dispose of solid waste.

G. AESTHETICS

- The site is currently undeveloped. It is wooded and includes wetland area dispersed across the parcel.
- The property abuts a Portland Pipeline Company Easement. Windham Drifters maintains a snowmobile trail in the easement.
- There are no documented rare botanical features or significant wildlife habitat documented on the site.
- Street trees are required at least every fifty (50) feet (§ 911.E.1.b) and are shown on Sheet PP-1.
- Limits of tree clearing are shown on the preliminary plan. A note should be added to the plan stating that clearing of trees is not allowed in areas where tree cover is depicted on the plan for a period of at least five (5) years from the date of Planning Board approval.

H. CONFORMITY WITH LOCAL PLANS AND ORDINANCES

- Comprehensive Plan:
 - The plan does meet the goals of the 2017 Comprehensive Plan.
- Land Use Ordinance:
 - All lots meet the minimum lot size (80,000 square feet) and frontage (200 feet) for lots in the F zoning district.
 - Net residential density calculations are shown on the Plan.
- Subdivision Ordinance
 - Standard notes and the standard condition of approval must be shown on the plans.
 - The Tax Map and Lot numbers provided by the Tax Assessor must be shown on the Final Plan.
 - Subdivision plan data compatible with the Town GIS must be submitted as part of the Final Plan submission.

- Others:
 - Chapter 221 Street Naming and Addressing: A street name approved by the Town Addressing Officer shall be shown on the Final Plan.
 - Chapter 144 Post-Construction Stormwater Ordinance: The site is in the NPDES MS4 urbanized area.

I. FINANCIAL AND TECHNICAL CAPACITY

- A letter dated April 19, 2018 from Michael Lyden, Loan Officer at Maine Capital Group was submitted as evidence of financial capacity.
- The applicant has provided information on the licensed professionals working on this project as evidence of technical capacity

J. RIVER, STREAM OR BROOK IMPACTS

- This project is located within the Colley Wright Brook watershed.
- The project will not adversely impact any river, stream, or brook.

CONCLUSIONS

1. The proposed subdivision **will not** result in undue water or air pollution.
2. The proposed subdivision **has** sufficient water available for the reasonably foreseeable needs of the site plan.
3. The proposed subdivision **will not** cause an unreasonable burden on an existing water supply.
4. The proposed subdivision **will not** cause unreasonable soil erosion or a reduction in the land's capacity to hold water so that a dangerous or unhealthy condition results.
5. The proposed subdivision **will not** cause unreasonable highway or public road congestion or unsafe conditions with respect to the use of the highways or public roads existing or proposed.
6. The proposed subdivision **will/will not** provide for adequate sewage waste disposal.
7. The proposed subdivision **will not** cause an unreasonable burden on the municipality's ability to dispose of solid waste.
8. The proposed subdivision **will not** have an undue adverse effect on the scenic or natural beauty of the area, aesthetics, historic sites, significant wildlife habitat identified by the Department of Inland Fisheries and Wildlife or the municipality, or rare and irreplaceable natural areas or any public rights for physical or visual access to the shoreline.
9. The proposed subdivision **conforms** with a duly adopted site plan regulation or ordinance, comprehensive plan, development plan, or land use plan.
10. The developer **has** adequate financial and technical capacity to meet the standards of this section.
11. The proposed subdivision **is not** situated entirely or partially within the watershed of any pond or lake or within 250 feet of any wetland, great pond or river as defined in Title 38, Chapter 3, subchapter I, article 2-B M.R.S.A.

12. The proposed subdivision **will not** alone or in conjunction with existing activities, adversely affect the quality or quantity of ground water.
13. The proposed subdivision **is not** situated entirely or partially within a floodplain.
14. All freshwater wetlands within the proposed subdivision **have** been identified on the plan.
15. Any river, stream, or brook within or abutting the subdivision **has** been identified on any maps submitted as part of the application.
16. The proposed subdivision **will** provide for adequate storm water management.
17. ~~If any lots in the proposed subdivision have shore frontage on a river, stream, brook, or great pond as these features are defined in Title 38, section 480-B, none of the lots created within the subdivision have a lot depth to shore frontage ratio greater than 5 to 1.~~
N/A
18. The long-term cumulative effects of the proposed subdivision **will not** unreasonably increase a great pond's phosphorus concentration during the construction phase and life of the proposed subdivision.
19. ~~For any proposed subdivision that crosses municipal boundaries, the proposed subdivision will/will not cause unreasonable traffic congestion or unsafe conditions with respect to the use of existing public ways in an adjoining municipality in which part of the subdivision is located. (N/A)~~
20. Timber on the parcel being subdivided **has not** been harvested in violation of rules adopted pursuant to Title 12, section 8869, subsection 14.

CONDITIONS OF APPROVAL

1. Approval is dependant upon, and limited to, the proposals and plans contained in the application dated April 23, 2018, as amended June 18, 2018 and supporting documents and oral representations submitted and affirmed by the applicant, and conditions, if any, imposed by the Planning Board, and any variation from such plans, proposals and supporting documents and representations are subject to review and approval by the Planning Board or the Town Planner in accordance with Section 913 of the Subdivision Ordinance.
2. Approval is subject to the requirements of the Post-Construction Stormwater Ordinance, Chapter 144. Any person owning, operating, leasing or having control over stormwater management facilities required by the post-construction stormwater management plan must annually engage the services of a qualified third-party inspector who must certify compliance with the post-construction stormwater management plan on or by May 1st of each year.