

Attachment B

PRE-APPLICATION MEETING NOTES – JANUARY 16th, 2020

Project: Lee Traffic Circle Water Line Extension

Attendees: Stefanie Giallongo NHDES
Ben Dreyer UE
Tim Noble UE

Attachments:

Attachment “A” Initial Wetland Impact Correspondence w/ NHDES
Attachment “B” Lee Traffic Circle Water Line Extension Wetland Impact Photos/Photo Key
Attachment “C” Main Street/Route 155A Water Main Improvements Wetland Impact Photos/Photo Key

Note: modifications as a result of discussions at the meeting are noted in *blue, italicized text*.

1.0 Introductions

2.0 Project Background

2.1 Project Description

- Overall project includes the following water distribution improvements to the UNH/Durham Water System
 1. Lee Traffic Circle Water Line Extension (~8,600 LF)
 - Wetland impacts present
 2. Main Street/Route 155A Water Main Improvements (~1,200 LF)
 - Wetland impacts present
 3. Stadium Loop Water Main Improvements (~1,200 LF)
 4. Strafford Ave Water Main Improvements (~1,100 LF)
 5. Technology Drive Pressure Reducing Valve/Booster Pump Station Improvements
- Projects are funded by MtBE Settlement Funds
- Bidding – Summer/Fall 2020

- Construction – Fall 2020/Spring 2021

3.0 Wetland Impacts

As noted in prior email correspondence with NHDES Wetlands Bureau (see Attachment “A”), the project consists of the following impacts to jurisdictional wetland areas:

3.1 Lee Traffic Circle Water Line Extension

- ~21,000 SF of temporary impact
- Forested, scrub-shrub, and emergent wetland impacts
 - See Attachment “B” for wetland impact photos/photo key
- Construction method: open-cut and fill
 - *Directional drilling was discussed as a potential alternative along the alignment in high resource value wetlands to avoid impacts*
- Note: Based on the Wetland Permit Planning Tool, there are no impacts within Priority Resource Area. However, wetlands in proximity to the Dube Brook are considered Priority Resource Areas. It is proposed to install the 12” water main under the Dube Brook using trenchless construction methods (i.e. directional drill)

3.2 Main Street/Route 155A Water Main Improvements

- ~11,000 SF of temporary impact
- Emergent wetland impacts
 - See Attachment “C” for wetland impact photos/photo key
- Construction method: open-cut and fill
 - *If wetlands drain to a brook/stream, construction methods must provide provisions for turbidity containment*
- Note: Based on the Wetland Permit Planning Tool, the wetlands surrounding College Brook where the existing 10” water main is located are considered to be a Priority Resource Area. In the preliminary design phase, it was proposed to remove the existing 10” main and install the proposed 12” main in the same trench.

4.0 Application Process

4.1 Permitting Questions

- One (1) permit for both projects?
 - *In order to use one (1) permit for both the work in Lee and Durham, the wetlands application must provide clear justification for how/why the two water main improvements are considered one project and only requires one permit.*
- Type of Permit?
 - *The Standard Dredge and Fill Wetlands Permit Application will be required.*
 - *It was noted that because the impact area is greater than 10,000 SF, the project is considered a “major impact”*
 - *The Utility Projects worksheet should be included with the application*
- Permittee?
 - *The Town of Durham will be the permittee*
 - *The proposed Use and Occupancy Agreement (UOA) between the Town of Durham and NHDOT was discussed. Wetlands Bureau will need to see UOA or acknowledgement by NHDOT that they approve of the design.*
 - *It was also noted that signature from both the Town of Durham and Town of Lee Town Clerks will be needed for the application.*
- Functional Assessment (FA)?
 - *It was noted that the waiver provision for the functional assessment was unlikely. A FA form or FA narrative by a certified wetlands scientist is required. However, the FA may be in a simpler format since this is a linear infrastructure project in the public ROW.*
- Mitigation?
 - *Mitigation is not required because all impacts are classified as temporary.*
 - *Mitigation would be required in permanent impacts reach 10,000 SF.*

- **Army Core of Engineers**
 - *It was suggested that UE coordinate with the US Army Corps of Engineers and review the General Permit prior to submitting the wetlands application. The Appendix B – Corps Secondary Impacts Checklist is required with the NHDES permit.*
- **Time Line**
 - *50-day review for standard application.*
- *The standard Avoidance and Minimization Checklist form or an avoidance and minimization narrative is required with the wetlands application to fulfill Section 9.*
- **NHB Coordination**
 - *NHDES recommended coordination with Amy Lamb for impacted plant species and coordination with Kim Tuttle and Sharee Patterson for impacted animal species*
 - *It was noted that NHB may require time of year restrictions due to impacted species*
- **Construction Sequencing**
 - *Construction plans should identify construction methods/sequencing for restoring wetlands (i.e. stockpiling/backfilling top 12”-18” with the original materials excavated).*
 - *Construction methods such as erosion matting without welded plastic will likely be required.*
 - *Construction plans should include a dewatering plan including recommended discharge locations.*
 - *Monitoring during construction may be required.*