Kimley»Horn
of New York, P.C.

MEMORANDUM

To: Town of Littleton Conservation Commission

From: Dean Apostoleris, P.E.

Kimley-Horn and Associates, Inc.

Date: October 10th, 2024

Subject: 151 Taylor St - Conservation Commission Comment Response

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Kimley-Horn received Conservation Commission board member comments on 08/20/2024, on behalf of the applicant Amazon.

This memo letter shall serve as response to the comments received.

Revised copies of the following documents shall be submitted with this comment response letter.

- Construction Documents (including landscape plan) – revised 10/03/2024

- Updated WPA 3 Form and Fee

Staff Comments – Received on 08/20/2024

1. A full stormwater report with calculations must be submitted.

   Response: Based on discussions with Town representatives, improvements are de-minimis with respect to stormwater as they would not cause any significant increase in stormwater quantity or have an effect on stormwater quality. There is no increase in impervious area within the buffer zones. The proposed area of disturbance is less than one (1) acre. All disturbed areas will be stabilized per the erosion and sediment control design. Silt fence is proposed throughout the construction areas to provide containment of turbulent runoff into nearby resource areas. Please direct your review to the provided E&S plan for additional details.

2. An aerial exhibit is requested and there must be tree-replanting that is equivalent to DBH removed.

   Response: A landscape plan has been provided within the revised construction documents which outlines proposed tree removal and proposed planting. See sheets L1.0 and L1.1. Tree removal calls for 90” DBH to be removed and 60 trees with 1.5” DBH will be replanted. Tree-replanting that is equivalent to DBH removed has been met.

3. Alternatives to connecting power from elsewhere.

Response: During the beginning of the project, 3 options were proposed and discussed between us, our client, and the utility.

Option one was to provide a primary service to the site that would both energize the building and the proposed EV infrastructure as similarly shown in Pre-liminary Design 1. The impacts with this option are disturbance/clearance of trees back to the utility riser pole and a full replacement of the bridge heating system when attempting to install infrastructure to the parking lot. This would be very extensive with consideration to additional impacts to the wetlands, tress, and operation of the business. Figure #2 shows the heated bridge design. This design would not be feasible because the conduit run would be too long and there would be significant voltage drop by the time the site is reached.

Option two was to daisy chain the existing transformer with placement of another utility transformer within the parking lot as shown in Figure 1. The issue with this option is similar the mentioned above with impacts to the wetlands, bridge heating system, and operation of business. Again, voltage drop would also be an issue.

A proposed well project has been approved in Littleton. This well project will have to draw power from the same manhole that our Current Design, as shown in Figure #3, is going to be drawing from. Our Current Design is a tie-in to the proposed well project. The well project will go from the manhole, cut into the parking lot, tie into a transformer, then run south-east off the site. Since this proposed work had already been planned and approved, the current design is a tie-in to the manhole and transformer. Hence, no extra land will be disturbed. The red represents our proposed work, and the orange represents the well projects proposed work. As noted, the well project is set to begin construction later, therefore, we are connecting to the manhole first.

The utility company dictates how electrical service enters the site, and agreed that the current design option would be best in terms of conduit run, limiting the disturbance in wetland buffers, and having no disturbance in the wetland area itself.

Pre-liminary Design 1: Connect to get Power from the Building

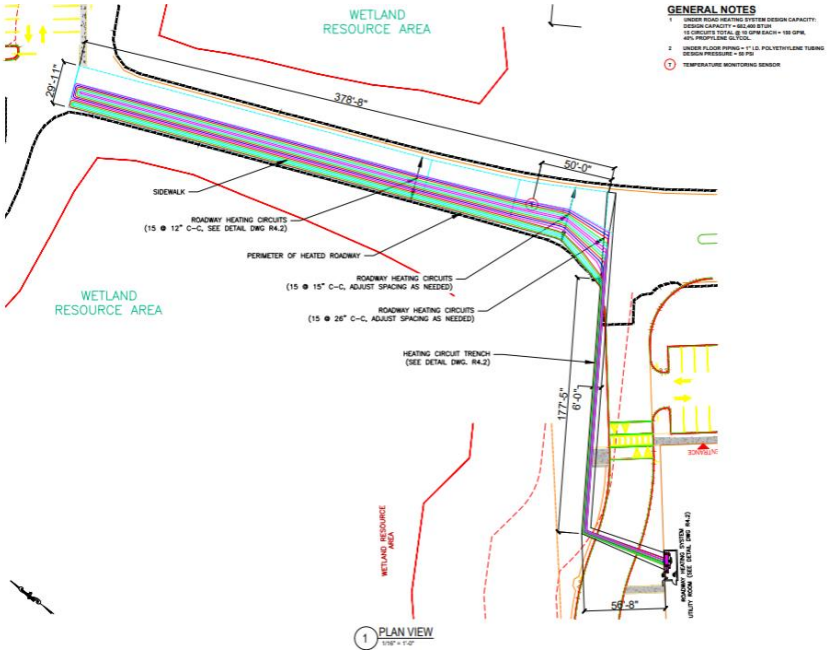

Figure 1: Heated Bridge Plain View

Pre-liminary Design 2: Connect to get Power from the Transformer that Powers the Building

Current Design

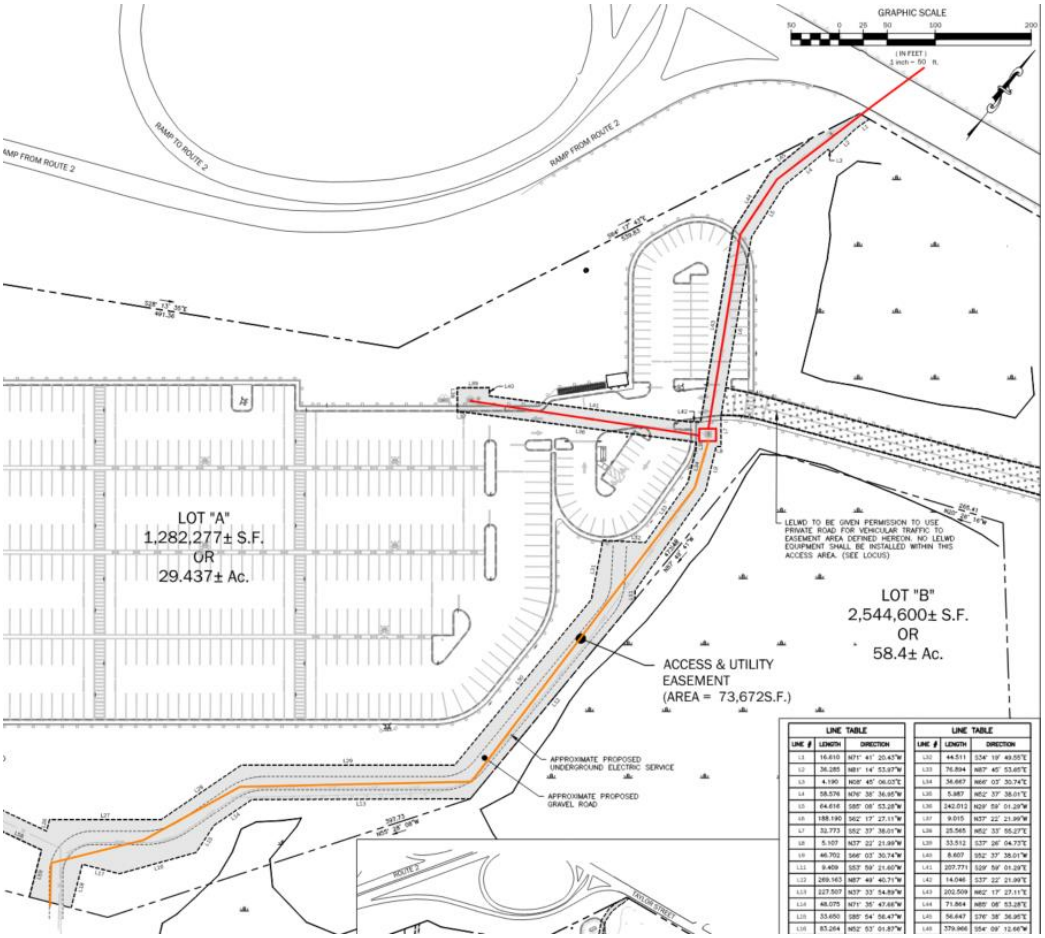

Figure 2: Well Project Tie-in

Conclusion

The comments provided by the Littleton Conservation Commission board members on 08/20/2024 have been acknowledged and addressed. The Civil Construction Document, has been modified with respect to the comments provided.

Sincerely,

Dean A. Apostoleris, P.E.
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