

GOVE ENVIRONMENTAL SERVICES, INC.

May 12, 2019

Bruce Scamman
Emanuel Engineering, Inc.
118 Portsmouth Avenue
Stratham, NH 03885

Re: Turbocam, Barrington
Subject: Functions and Values Assessment

Dear Mr. Scamman:

Per your request, this letter is to verify that Gove Environmental Services, Inc., performed a site inspection to evaluate the functions and values of the wetland system on the above referenced site.

The wetland system on site is classified a PSS/FO1E and is a seasonally saturated, scrub shrub/forested wetland. The wetland is dominated by poorly drained, Leicester soils and is part of a larger system that continues off site to the north. Dominant vegetation is Eastern hemlock, red maple in the tree layer, and highbush blueberry, winterberry and alder in the shrub layer and cinnamon and sensitive fern in the herbaceous layer.

Ground water Recharge/Discharge

This wetland does have the capacity for recharge as it is a large wetland system and is capable of holding and infiltrating water back into the ground. The proposed project is not expected to impact this as all required AoT stormwater treatment requirements are to be met.

Floodflow Alteration

This wetland system, based on its size does have this function. However as part of the project, this will not be compromised as no wetland impacts are proposed.. The addition of impervious area on the site will be directed to storm water structures and will not contribute any additional runoff to the surrounding area.

Fish and Shellfish Habitat

Based on the lack of permanent open water in the wetland system on site, this function is not present.

Sediment/Toxicant/Pathogen Retention

Based on the wetland's location with in the overall geographic area, the function does exist. However, most uses surrounding the wetland are primarily residential neighborhoods, aside from the immediate use of the adjacent Turbocam facility. Residential homes typically don't

contribute significant amounts of pollutants. With the incorporation of proper BMP's and meeting all of the AoT requirements this project is not proposing to impact this function. All storm water will be handled on site.

Nutrient Removal/Retention/Transformation

This wetland does have this function. Similar to the function above, input of these nutrients is primarily from the residential neighborhoods and Turbocam facility, surrounding the site. With the incorporation of proper BMP's and meeting all of the NH AoT requirements this project is not proposing to impact this function.

Production Export

This wetland has this function. Most of the shrub species in this large wetland complex have fruit bearing plants, useable for wildlife. No wetland impacts are proposed, so this function would not be expected to be lost.

Sediment/Shoreline stabilization.

As no stream is present within the wetland, this function is not present.

Recreation

The wetlands on the site are very thick and difficult to move through, and with no open water portion, this function is not present.

Educational/Scientific Value

While this wetland has the potential for educational/scientific value, the upper area where the impacts are proposed are no different than most wetlands in Barrington or in the immediate area or public land. The wetland on site is part of a larger system.

Uniqueness/Heritage

This wetland is not unique in NH, while it is a larger system; a large portion of the wetland is on the adjacent lot. This is a typical forested/scrub shrub wetland seen all over the region and the state.

Visual Quality/Aesthetics

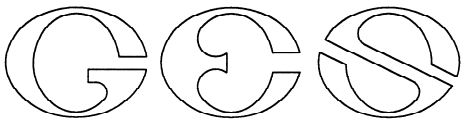
While the wetland overall is not impacted by dumping or trash from the street, the lack of visibility from surrounding areas or the road, do not lend to having this function.

Sincerely,



Luke D. Hurley, CWS, CSS
Vice President





GOVE ENVIRONMENTAL SERVICES, INC.

Gove Environmental Services, Inc.



8 CONTINENTAL DR UNIT H, EXETER, NH 03833-7507

PH (603) 778-0644 / FAX (603) 778-0654

WWW.GESINC.BIZ

INFO@GESINC.BIZ

