



December 15, 2021

Tracey Smith
Schofield, Barbini & Hoehn, Inc.
PO Box 339
Vineyard Haven, MA 02568

RE: 101 Capawock Rd. (Pcl. 1-15), West Tisbury, MA

Dear Tracey:

At your request, we visited the above-referenced property to re-flag an approximately 1,400 sq.ft. isolated depression, which was previously flagged in July of 2015. Those flags were surveyed and are portrayed on your Site Plan dated December 1, 2021. During our recent visit we observed the vegetative community, the local hydrology, and the soil conditions within this area.

The subject area is topographic depression located on the Martha's Vineyard moraine deposit, typical of the north shore of Martha's Vineyard. It is a dense, thorny thicket of vines intertwined among primarily highbush blueberry shrubs (see attached photos). Species observed both within the depression and along the perimeter include several plants categorized as "invasive" by the Massachusetts Invasive Plant Advisory Group. These include: greenbriar (*Smilax rotundifolia*), Japanese honeysuckle (*Lonicera japonica*) and Asian bittersweet (*Celastrus orbiculatus*). Other species observed include: highbush blueberry (*Vaccinium corymbosum*), winged sumac (*Rhus copallinum*), raspberry, black cherry (*Prunus serotina*), white oak (*Quercus alba*), post oak (*Quercus stelatta*) and pin oak (*Quercus palustris*).

The depression has a small, local contributing drainage area, restricted to the property, and estimated to be less than 3 acres in area. The drainage area is mostly wooded, with a mowed meadow, a pervious driveway, and a small residential lawn. No ponding of water or evidence of recent ponding, including water-stained leaves or drift lines, were observed. The soil test holes in the lowest point in the depression showed soils that were marginally hydric in nature, but without thick organic accumulation or other diagnostic features that would indicate frequent ponding or long-term saturation at or above the soil surface.

Based on our reading and understanding of the DEP Wetlands Protection Act Regulations and the Town of West Tisbury Wetlands Protection Bylaw Regulations, we would classify this area as an isolated depression not subject to flooding. Even under extreme conditions (frozen ground, snow melt and/or extraordinary storm events), ponding in this depression would be infrequent, temporary and less than 1,000 sq.ft. in area.

Even though we would not classify this small depression as a "regulated resource area", it



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nonetheless is an interesting landscape feature that provides some habitat for local wildlife. The activities proposed on the Site Plan do not appear to pose an adverse impact on this depression.

If you have any questions, please do not hesitate to contact me.

Sincerely,

Douglas E. Cooper, Earth Scientist
Cooper Environmental Services, LLC



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