Site Visit: Construction of two academic buildings. Application #22-1243

Date: 4/29/2022. Time: 1725-1805. Temp: 55 Sun/breeze

IWC present: Joan Lakin, Jonathan Clapp, George Schneider, Brad MacDowall, Tim Mack

Applicant present: Sal Filardi, Howard Pfrommer

Public present: 4

Howard Pfrommer led the discussion and displayed plans depicting drainage and outflow points and pointed out corners of buildings that were staked on site and the 100-foot wetland setback point.

Existing NW corner drainpipe at Clarks Pond needs to be extended and riprap added. No drainage from pipe noted.

Service road stakes were noted and explained that the service road will be cut in with retaining walls on each side.

The shallow drainage swale along the SW border appeared dry.

The SW outflow drain near the bridge will need riprap installed. No drainage from the pipe was noted. A hydrodynamic particle separator will be installed by QU.

A third NE drainage outflow location near the module buildings was described as an Infiltration structure underground with 2- 24-inch pipes with an overflow grate. The grate could not be found, and the overflow drainage swale was dry leading to the unnamed stream.

Howard commented that the water depth in the booring holes from the Geo-Tech engineers were consistent with the water level of Clarks pond and the unnamed stream.

Site visit was concluded at this point.

Site Visit: Construction of a residence hall building. Application #22-1244

Date: 4/30/2022. Time: 0935-1010. Temp: 61, Sun/breeze

IWC present: Kirk Shadle, Jonathan Clapp, George Schneider, Michael Milazzo, Tim Mack

Applicant present: Sal Filardi, Howard Pfrommer

Public present: 2

Howard reviewed plans to give an overview of drainage details showing the residence building with a "green roof", rain garden and infiltration structure with overflow to area within the 25-foot wetland boundary. The proposed second overflow structure plans within the 25-foot wetland boundary will be removed from the plans according to Sal Filardi.

It was noted that the parking spaces along the wetland boundary will be removed, and a sidewalk will be installed.

Kirk inquired about the S&E plans for the catch basins during the construction phase to prevent sediment from entering the stream. There is presently no particle separator but there is one for planned post construction.

The drainage outflow pipe near the vehicular bridge was inspected for sediment. No drainage from the pipe was noted. There was no riprap present. Howard expects less drainage post construction.

The riparian buffer along the stream banks was discussed and the plan from the Wetland Scientist R. Snarski was referenced. The riparian buffer will extend to the culvert at Bob Cat Way as noted in the plans. Wetland flags were noted along the stream banks.

Across Bob Cat Way on the opposite side of the culvert there was discussion to remove about 20 square feet of sediment/vegetation from the stream bed.

There was a discussion that the stream dries up in the summer with little or no flow. Howard mentioned sandbags and piping any waterflow to prevent sediment from entering the stream during removal with a backhoe. It was discussed that during heavy rains the stream would flood the banks and extend to the top of the culvert. Wetland flags were noted in the lawn 15 feet from the

stream bank. No plans for a riparian buffer to be installed in this area for the present according to Sal Filardi.

Site visit was concluded.