IW #1284

From: David Lavallee
Sent: Tuesday, October 27, 2020 4:19 PM
To: Sheila McDonald
Subject: FW: Wetland Comment Responses
Attachments: Townline Construction Plan.pdf; Townline Wetland Details #1.pdf; Townline Wetland Details #2.pdf

From: John R. Bossi <bossi@plainville-ct.gov>
Sent: Tuesday, October 27, 2020 4:13 PM
To: David Lavallee <lavalleed@southington.org>
Subject: Wetland Comment Responses

To: David Lavallee, Environmental Land Use Planner/Assistant Town Planner

From: John R. Bossi, P.E. Town of Plainville Town Engineer

Subject: Written Responses to Comments IW #1284 – Town of Plainville – 246 Redstone Street

Below please find written responses to the comments made in a 10/22/2020 memorandum to the Southington Inland Wetland & Watercourse Agency. Additionally, I have included revised construction drawings consisting of a revised

Comment: Could the pump-around diversion be the preferred method of water removal? Is there a particular reason water is being allowed to flow through the construction area/existing pipes while the new pipes are being installed? A straw bale check dam upstream should be able to contain flow with the pump -around method.

Response: A pump around option such as described above could be implemented. This option in my opinion has several shortcomings. I believe this method would require pumping over the roadway to a point beyond where the pipe(s) installation and would incentivize the premature removal of the existing culverts. If the existing culverts were removed, the contractor would be required to pump 24/7 until the proposed pipes are installed. Mechanical pumping during non-working hours with no supervision could be problematic.

I have developed a construction sequence which requires dewatering only when the contractor is working in the stream or in close proximity. Utilizing the easterly most existing culvert during the installation of the westerly most proposed culvert should only require dewatering when the flared end and first few sections of pipe are installed. After that, the stream flow will not interfere with construction activities. Upon completion of the westerly pipe, streamflow can be placed into the new pipe. At the new outlet, dewatering would occur until the second flared end and several pipe lengths are installed.

A copy of the Proposed Construction Sequence has been enclosed for your consideration.

Comment: An expanded plunge pool at the downstream outlets could provide mitigation for floodplain fill.

Response: The construction plans have been revised to include an expanded plunge pool at the downstream outlets. See attached revised plan.