

**HOLDEN CONSERVATION COMMISSION  
MEETING MINUTES  
October 18, 2021  
Holden Senior Center**

**Members Present:** Kenneth Strom, David Nyman, Michael Scott, Heather Parry, Luke Boucher

**Not Present:** Elizabeth Parent (recused), Cathy Doherty

**Others Present:** Glenda Williamson, Conservation Agent; Sara Flagg, Recording Secretary, Matt Wzoreck, Tighe and Bond; Jean Christy, Tighe and Bond; Gordon Whiteman, 54 Powers Rd; John Woodsmall, Holden DPW; Isabel McCauley, Holden DPW;

M Scott opened the meeting at 7:00 pm.

**Notice of Intent – Main Street Drainage Improvements**  
DEP File #: 183-0681

M Worzek, Tighe and Bond updated on the comments that were previously brought up. A packet dated October 14, 2021 was shared with everyone

M Scott asked for a summary as he was not in attendance at the last meeting.

M Worzek stated that in June Places Associates had made comments on behalf of the homeowner which were addressed in the response September 17<sup>th</sup>. Places Associates and their client were satisfied with those comments but at the October 6 meeting the commission had some additional comments that are addressed in the October 14<sup>th</sup> response.

K Strom explained that the commission had some concerns with the large increases in velocity, run off rate, and volume from the Sept 17<sup>th</sup> letter.

Jean Christy, Tighe and Bond explained that this analysis that was provided was not a typical analysis (typically Hydro-cad). The numbers that resulted from this other analysis shown on the table are water elevations not flow rates. The analysis that was done from the HEC-RAS analysis included an additional 40 acres which caused that to show the increased flow. Initial report was not inclusive of the additional area which is why the numbers varied.

John Woodsmall, Holden DPW explained that pictures from a 2 year storm event were included in the September submission and showed no impact to area.

Jean reviewed the maps showing proposed water levels under the existing conditions which show the change. Noted that these maps had been requested by the Commission. D Nyman said that this modeling was helpful. Places side of the culvert showed no change on their side from the event but it was showing an increase on the other side so the graphics provided today were helpful.

Gordon Whiteman, 54 Powers Rd, expressed that he received a copy of the packet however the wording is very technical and would like someone to explain it in layman's terms.

M Scott explained that the on the downstream side where Mr Whiteman is there is no impact on the nationwide flood plain mapping to his area.

Mr Whiteman asked if there will be a reduction in the amount of water coming through the current outfall.

Jean pointed to page 2-3 of the October 14 summary. It outlines the existing 24" pipe that will have water taken out of it and directed to another outfall.

K Strom asked how much would be coming out of the existing drain. Jean explained very little.

D Nyman brought up his concern that this is a conservative model, the relative changes in velocity are 50% increase and that energy from flow is what causes damage. The new outlet from the side perpendicular to the flow with the rip rap apron has a high velocity as modeled as well. Jean answered that it is certainly a challenge with these types of analysis. The model doesn't account for the controls that will be in place. The velocity would be much lower than what is shown in the model. The model shows a straight pass through when in fact there will be scour pads (used Federal Highway design) that will control the flow and they are allowing for plunge pool that will dissipate the water's energy rather than pass it through at full velocity.

John Woodsmall explained that the Town is looking out for Mr Whiteman and the Zottoli's interest and the purpose of this meeting is to provide answers for Mr Whiteman so that he understands the impact.

Mr Whiteman asked about the easement on the property where the trees are down on his property. John Woodsmall answered that after deed research the Town has drainage easements which follow the existing flow paths and ends at Powers Rd. The maintenance of the existing culvert downstream belongs to the Zottoli property.

Monitoring will be done by the Town. DOT has an on-call contractor that could start within a few weeks to begin this project after the 10-day appeals. Survey will be done by DOT.

Motion K Strom, seconded by L Boucher to CLOSE THE HEARING FOR NOI MAIN ST DRAINAGE IMPROVEMENTS Approved by a vote 5-0-2

Motion D Nyman, seconded by K Strom to ISSUE A STANDARD ORDER OF CONDITIONS WITH THE LISTED SPECIAL CONDITIONS FOR NOI MAIN ST DRAINAGE IMPROVEMENTS DEP FILE # 183-0681. Approved by a vote 5-0-2.

Special Conditions:

- Monitoring of completed work area along the stream bank for the first 3 years with photo-documentation,
- Disturbance minimized for work in the 25' zone
- Discharge pipe and scour pad alignment to be adjusted as much as feasible to align with the channel below the Powers Road culvert (Outlet 3)
- Updated final construction plans to be provided.
- G. Williamson to be notified of the pre-construction meeting.
- Some debris removal from 54 Powers Rd property by Holden DPW (limited to 1 pass)

Motion by D Nyman, Seconded by L Boucher TO ADJOURN THE OCTOBER 18, 2021 CONSERVATION COMMISSION MEETING AT 8:10 PM. APPROVED BY VOTE 5-0-2