

Tim,

See below for W&S comments:

Most of the comments were addressed. However, these are new ones that stem from C29 and C30. Let me know if you have any questions.

Thanks, Isabel

- The sewer profile for building 3 (profile 2 on sheet C104) shows the 6" PVC crossing Main Street at 1.5% slope then dropping into the sewer line. This should be laid at 2% minimum to meet our standards, and a doghouse manhole should be installed over the main to accept the connection. An interior drop inside the doghouse manhole can be made to achieve the proper elevation if necessary.
- The sewer profile for the building 5 forcemain shows a doghouse manhole. Please provide a detail for the doghouse manhole. Additionally, it should be investigated if the forcemain can discharge into a length of gravity sewer before it enters the new manhole to reduce splashing within the manhole when the pump station runs. This will also allow a proper invert to be built within the new manhole.
- Additionally, level fluctuation of 2.33 inches from pumps on to pumps off is very low.
- The pump station notes mention the station will be connected to the facilities backup generator. A generator is not shown on the plans, please confirm. If a backup generator with an automatic start is proposed to run the station, it shall be sized as such.
- Sliderrails and hardware within the station shall be stainless steel not galvanized as indicated.
- An alarm panel with audible alarm shall be mounted in a public location in close proximity to the pump station which will alarm for high level, low level, and available pump failure alarms
- An operation and maintenance plan shall be created for the pump station which shall include an approximate annual maintenance cost.
- The owners should familiarize themselves with the sanitary sewer overflow regulations, and realize that the property is located within DCR's Wachusett Watershed area and they will need to be notified should there be any sanitary sewer overflows as the result of pump station malfunction.