



MINUTES
Springville Water Advisory Board Meeting - MAY 9, 2019

MINUTES OF THE SPRINGVILLE WATER ADVISORY BOARD MEETING WAS HELD ON TUESDAY, MAY 9, 2019 AT 6:30 A.M. AT THE SPRINGVILLE CIVIC CENTER, 110 SOUTH MAIN, ROOM 217, SPRINGVILLE, UTAH.

Committee Members in Attendance: Rollin Hotchkiss, Alton Beck, Nile Hatch, Bryan Boshell, John Clemons, Cl. Craig Jensen

City Staff: Shawn Barker, Marcie Clark

CALL TO ORDER

Mr. Hotchkiss welcomed everyone.

APPROVAL OF THE MINUTES

Mr. Beck made a motion to approve the March 13, 2019 minutes. Mr. Clemons seconded. All were in favor.

COMMITTEE BUSINESS

Mr. Hotchkiss asked about the water situation. Mr. Barker reported the springs aren't picking up much except Bartholomew at 6,000 gpm, which is normal for Bartholomew in a wet year - 4 cfs max is what Springville City can legally use, but there is an acre foot cap of 1068 a year. We typically take 300-400 gpm in the winter. The excess water goes back into Hobble Creek.

Ditch #1 update - Mr. Barker reported that we piped the bad section of Ditch #1, recognizing that moving forward we'll have to do more. The cap stone group from BYU recommended lining the ditch.

1. 400 S Well #2 update - Mr. Barker reported that the well is drilled. The contractor made the connection to the main water line in 400 South and made the connection to the chiller. Well head is on and the pump is set. The motor will be set later. They are building the building around it. They are working on the power trench and the storm drain will start going in today. Mr. Barker said they're hoping to have the well up and running in late summer. We won't need it this year with the water we received over the winter and spring. Mr. Beck asked about Burt Springs infiltration testing. Mr. Barker reported that the State came and tested it and they found that it is not under the influence of surface water.
2. Water Capital Projects 2019-2020. The agenda said 2019-2010 - that was a typo. Bartholomew tank is #1 on the list. Mr. Barker explained we had originally looked at a 500,000-gallon tank and the bid came in high. We were updating our culinary water master plan just after that and have since determined that we need a 1.4 million-gallon tank for future use. The half million-gallon tank would have left us deficient. We've designed a turnout, which will add cost to the project. He's nervous about what the bid will be. Mr. Boshell said tanks are typically running \$2/gallon. The location will be a factor. We're looking at doing it on site instead of in the parking area. Building it in place should save money. Mr. Barker budgeted 1.6 million for that.

Flow Serve pipe abandonment at 1400 N Spring Creek Parkway is the next project on the list. A few years ago we replaced everything along 1400 N to where it crosses over to Nestles. There was a short section that still needs to be replaced.

Well power monitoring - this will monitor electrical outputs on wells and give us a better outlook for our system and plan better for the future.

Jurd's Tank electrical upgrades. The SCADA system in that area is very outdated. If there are glitches in the system, we're down for a long time. This will allow us to keep current information.

Mr. Hotchkiss asked how these projects fit into the 20-year plan that Mr. Stapley presented months ago. Mr. Barker stated that we try to keep that plan/spreadsheet as a living document. We have to adjust it as new things come up.

Mr. Beck asked is there have been a lot of pipes breaking. He has noticed a lot of roads being dug up. Mr. Barker reported we have leak detection every spring and have been working to repair some of those.

3. Jolley's Ranch Pipeline Installation - Mr. Barker brought three water samples from the Jolley's Ranch water system to show the board members. One sample was from the tank. The State requires the City to check the system at the start of the spring season. We weren't able to get a good chlorine residual. We found only 80 gpm going into the tank instead of the typical 125 gpm indicating a problem. We found roots infiltrating the pipe system 1000 ft. of pipe. We ended up replacing the pipeline, working with the Parks Department. We got it on-line last week and took bacteria samples and it looks a lot better. The water is used just for the campground. They irrigate the lawns out of the creek.

Mr. Hotchkiss asked about Nephelometric Turbidity Units (NTU's). Mr. Barker stated that the middle sample measured at 16 NTUs, which is high for drinking water. Mr. Hotchkiss explained the research work he does to extend the useful life of dams and reservoirs around the world and in the U.S. specifically. When the water comes into the reservoir it looks like coffee with creamer in it because of all the sediment. The water leaving the dam is often very clear because the sediment drops out. He went to the State of Utah about moving that water with the sediment downstream, so we don't lose any more storage capacity in the reservoirs. It has been a long process to get them on board because of all the conditions they have. Many of the dams in Utah were built to trap sediment, which isn't a good idea. Mr. Boshell talked about the dam at Muddy Creek with the silt filtering station.

4. 1150 N 150 E Emergency Pipeline Replacement - Mr. Barker explained the storm drain project going on right now where the earth started moving on them and a water leak happened at 1244 N 150 East. When crews repaired the leak, the pipe popped again and found 3 more holes. The pipe is in really poor shape. Mr. Barker stated that this area wasn't on the radar at all because it's not that old; installed in the 1980's. The pipe needs to be replaced now. It's ductile iron pipe. City Administrator Fitzgerald recommended we analyze the pipe and look at soil conditions to see if they are corrosive. We're looking at a project in the near future for about \$50-75,000.

Mr. Hotchkiss mentioned that the debris basin is full. He is concerned about the bank stability of Hobble Creek down-stream. He has noticed a lot of old Willow trees overhanging the creek and wondered who is responsible to maintain those. Ms. Clark stated that a letter was sent out from Public Works to all the property owners along Hobble Creek starting at Bartholomew Park west to I-15. We didn't send anything to properties east of the park. The letter said adjacent property owners are responsible to keep the creek clean and the City will only maintain city property and protect bridges. We will not go on private property.

There was a brief discussion on snow pack and peak flows in Hobble Creek. Mr. Barker mentioned that the first irrigation turn in Plat A was cancelled because they couldn't get the dam in at Swenson Dam.

Mr. Boshell asked about selling Springville Irrigation Company water shares. He has had people who own shares ask him how to do that. Mr. Barker stated that the City doesn't typically buy shares. Their best option is to work through the irrigation company. Mr. Hatch mentioned Plat A users don't have rights and mistakenly think they do.

Discussion on water rights and how many shares the City owns. Mr. Barker stated that it is always changing and we have consultant engineers and lawyers working with the City on adjudication.

ADJOURNMENT

Mr. Clemons moved to adjourn. Mr. Hatch seconded. All were in favor.

Meeting adjourned at 7:22 a.m.