Memorandum

To: Peter Thomas, CAO
From: Dolan Isaac, Public Works Foreman
Date: February 23, 2022
Re: Public Works Department Report for January 27 to February 23, 2022

Projects

- Tender packages for the WTP roof replacement and sewer / manhole lining have been advertised with the roof deadline being March 8, 2022 and the lining deadline March 18, 2022
- Invitational tender quotes have been sent out to 3 Fencing contractors for the fence work needed at the East side Dog park. Dusty Deeds, Priority chain link, and Dura guard. Deadline for quotes is March 11, 2022
- Received a mapping from the library on February 23, 2022 and will verify as LAN plugins not included and had been suggested.
- Pictures, GPS location and measurements of the work area for the proposed tree removal and ditching between the tracks and Rage ball diamond were sent to Jim Uhl to pass onto CN and also used to fill out the CN work permit.

Water and sewer

- Changed out a broken freeze plate on water meter at Ole Smokes, no damage to the meter.
- Stopped pumping from the Spirit River to the 8 mill on February 3 due to lack of flow. February 8 pumping commenced to the 8 mill and we switched to filling the 18 mill on February 14. Lack of flow caused us to stop pumping again on 20th. Plan is to pump when ever flow in river allows until all reservoirs are full.
- Changed leaking sink drain in the change room at the Hall February 2.
- Feb. 3 had a call out to 4616-50st at 6:37pm. Neighbor to the south had noticed water flowing into his basement and when checked outside saw water flowing from a door of the modular at above address. CC could not be located on property with pin finder, and could not be located with digging in area is was last noted. (may have been disturbed when property was landscaped). Owner showed up and water was shut off inside, at this time we found out water tank had frozen and burst.
- Feb. 4, we had a call out for a water leak at 4621-50st. CC was located and when turned the rod broke off. Water was shut off under the trailer at the isolation valve.
- Flooding in the Northeast corner of the Village on Feb. 9, lead to 4 basements having backup issues into basements. The sewer main was overloaded from infiltration, sump

pumps and normal household usage causing the working sewer check valves to close and only allow minimal flow from the household. When household plumbing filled it would then backup at lowest point.

- Had two High level alarms on Feb. 9th due to the overloaded sewer main. No overflow was noted in either instance, prior to the lift station upgrades we would have been running out the overflow for several hours minimum during this Feb. 9th flood event.
- Raw pump #413 would not pump normal amount of water when on, the piping directly prior to pump was disconnected and a large sucker fish was found stuck in the isolation valve for the pump. The valve was dismantled, the fish removed, and after reinstall of valve and piping the pump ran as normal.
- Compressor that supplies air for operations in the WTP failed on Feb. 7th. Jeff was called in and found a faulty contactor and had it replaced the next day. The plant had to be shut down during the time for repair, including the truck fill.

Streets

- High during the day and nights for multiple days at this reporting time has kept Public Works busy with road ice maintenance, opening ditches by pushing back windrows, opening culvert ends and steaming culverts through out the Village.
- Sanding and scarifying had little long-term benefits during the melting from the continuous melt water flowing onto roads.
- Feb. 4th a snow fall of 7" fell overnight and into the morning, called in contractor to plow the sub-division, service roads, highway bulbs, and the WTP while Public Works was getting the Village grader put back into service.
- Feb. 7, Public Works was asked to scrape down to pavement 51st, top ¾ inch was removed of the 2" ice layer, as ice below was still too hard to remove. With 2 more days of plus temperature's, 90% of ice was removed from the three blocks of 51st on Feb. 9th.
- Feb 9th ice dams had to be removed from 51st as the dams were causing water to back up onto boulevards and were impeding traffic. The melt water had gotten under the remaining ice on 51st , lifted it from pavement and floated the ice pieces until they jammed up in 3 places along the street.
- Feb. 10th ran grader over all the gravel streets to break up remaining ice and expose gravel.
- Another snowfall of 5" put our equipment out plowing on Feb. 18th .

Other

- January 27th Hotsy was in to do the annual service and testing of the two Hotsy units in Public Works. At this time the hose on the steamer unit was replaced due to wear and tear from running through culverts. The spool swivel connection was also replaced as it was leaking and causing sporadic low-pressure issues.
- Draw up Mapping for snow storage areas used at present and proposed area if snow hauling.
- Feb.1st the left blade lift hydraulic ram was removed from the Grader and taken into Risleys to be rebuilt due to leaking. Public works rented the shop space from Dikas so that the electric hoist could be used for removal and install of the 200lb hydraulic ram safely. Installed Ram and new hoses to the ram on Feb 4th
- Reynolds replaced the blower fan on furnace #two in the Hall on Feb. 2nd.

- Feb. 9th between 6pm and 1am flooding occurred in the Northeast end of the Village due to high flow in the Rycroft Creek that backed up at the CN yard culvert on north end of Creek. Peak water level was at 11pm that night. Temperatures were +10c by noon and didn't start dropping until 1am the next morning. All culverts were monitored and free and clear to flow throughout the event.
- Sign repair had to be done at 53 street and 46 avenue bolts missing and loose from the high winds
- Christmas tree and train set were taken down and put in storage.
- The auger baffle in bottom of sander hopper had broken on one support, caused by corrosion and vibration as the vibrator is mounted in same location. The baffle was removed and after being repaired at Dikas it was reinstalled.
- The vibrator motor stopped working on the sander and replaced with a new unit Public Works had in stock. Will see if the old motor can be rebuilt and if not a replacement will be ordered.
- A total of 9 hydraulic hoses have been removed and replaced from the front end of Grader due to excessive cracking, sweating, and leaking. Plans to replace Hydraulic hoses on the grader as we find the ones that are leaking will continue.
- One hose was replaced on the digging arm of the Backhoe due to a blister.