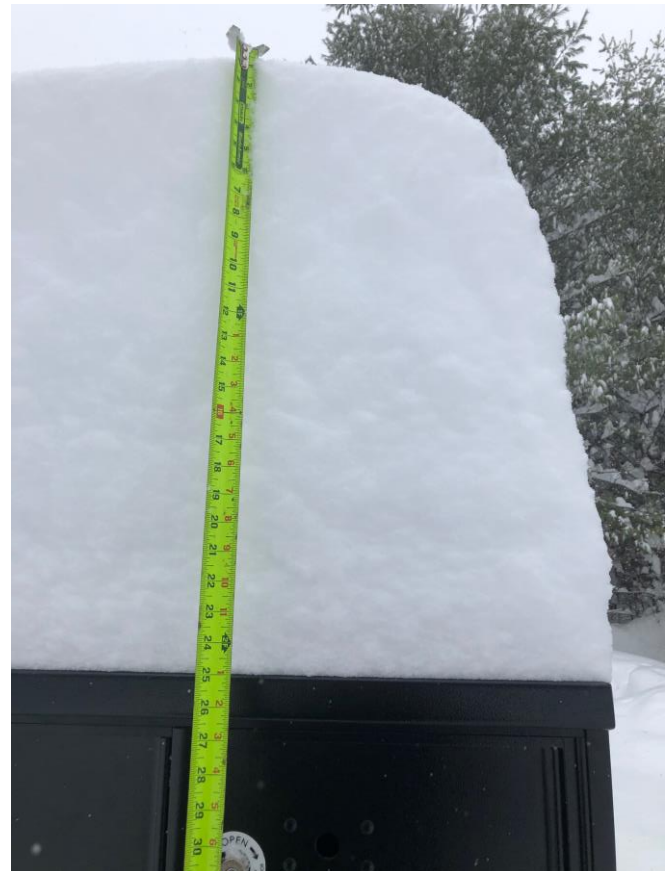


# Public Works Report December 2020

**First Big Storm of Winter 2020:** The prediction was for 8-12". We got that in the first 4 hours! Final total for the Limerick area was 26". These pictures at Deer Crossing were taken about three hours before it stopped snowing



and there was 25" on the ground then. The crew stayed right at it and had everything opened up and passable a few hours after the snow ended. As always, they spent the next day doing road widening and final clean up at every one of our facilities.

**Well 3 Update:** We have received the test well reports and recommendations from our engineers at Dirigo Engineering. The best of the three test sites is estimated to have a yield of 688 gpm. That is as good as we could have hoped for. The next step is to get State of Maine new well approval and production well construction bids.

**Mayfair Booster Station Repairs:** This past summer we had been experiencing flow and pressure complaints from time to time, mostly during the drought lawn watering season. We overcame it by adding more power and making needed changes to some house services. That did work but what had changed? At first, I suspected the pumps were getting tired and that because more new houses had recently been added to that system that the main pump simply could not handle the load and maybe needed to be upgraded. It took a while to figure it out, but I finally discovered the problem. Check Valves. Two of the three main check valves had failed internally and were allowing much of the pump flow to recirculate within the station which significantly reduced the pressure and flow going out to the customers. Our crew replaced the check valves, and the problem is solved.

**Brush Cutting:** Between storms and water main breaks, etc. our crew has been out using our new bucket loader mounted man basket to cut back the tree limbs that cannot be reached from the ground. They also have been taking the brush that is too large for the flail mower.

**Water Main Leaks:** Over the past month we had a couple main leaks on the remaining old 2" main on Mayfair Way

**Water Production for November was 14 million gallons.**