

Public Works Report August-September 2017

Deer Crossing/Ash Circle Water Main Replacement Update: Our crew has been hard at work replacing the “crispy” old 2” main that was breaking all too often. They have installed 4,200 feet of new main, cut and chipped all the trees and brush in the ROW, removed thousands of huge rocks and are now in the process of installing new service connections to the houses there. They are also ditching and reclaiming the road surface. When done there they will move to Sunset Circle and begin replacing that “crispy” main.

Fleet Maintenance: A few of the repairs performed by our service manager/senior mechanic Rick Grimm over the past couple months include: **Scheduled lubrication and maintenance services to numerous to mention.**

International 10 Wheeler: The high pressure fuel pump housing bolt holes striped out causing the pump to start falling off the engine and creating a massive oil leak. Rick our service manager and senior mechanic was able to helicoil the ruined threaded holes and cost avoid an expensive major repair.

Chevy 10 Wheeler: Recently Rick replaced the entire left side rear suspension on our 1999 heavy dump truck. The spring set had cracked and the truck was immediately taken out of service until a new set could be installed.

GMC Duramax 6.6L Engine Replacement: When not buried with other more pressing repairs or services Rick our mechanic has been busy installing the replacement diesel engine into our 2006 GMC 1 ton plow truck. That Duramax 6.6 diesel is a very complex job made even more difficult by the fact that he was not the person who removed the previous engine. The engine is now installed and operating nicely while our mechanic reinstalls or replaces the many parts removed to take the old engine out.

Walker Mower: FIRE! That’s right. Our mower caught on fire while mowing at Club 2. The cause was an internal retaining clip failure inside one of the hydrostatic drive motors which caused the pump shaft to travel out which put the pulley and drive belt out of line which rubbed and created so much heat it caught the belt and adjacent wiring harness on fire. The fire was put out by the operator which saved the machine from destruction. Rick replaced all failed and melted parts and put the machine back in service. Cost of repairs was \$1400. and a new fire extinguisher.

Club 2 Generator: Our 27 kilowatt liquid cooled standby generator at clubhouse 2 started having over heat issues causing shut down. Rick investigated and found the radiator was plugged with scale and a freeze plug was leaking due to corrosion. Rick removed the radiator and had it professionally cleaned, also the entire system was flushed, the freeze plug replaced and that generator is back on line.

DASH Boats and Lake: This past week our crew removed all navigation and milfoil buoys and the beach swim area markers. Both DASH boats have been cleaned, serviced and stored for the season.

Fire Hydrant Warranty Fix: Our newest fire hydrant that we installed last year on Silver Lane and Harbor View last year was leaking internally and causing the hydrant to slowly fill after we had pumped it dry at the end of the season. That condition could cause the hydrant to freeze and possibly break during the winter months rendering it unusable when needed by the Fire Department. The hydrant was under warranty and has been fixed by the supplier. We will keep a close eye on it.

Water Main and Service Breaks: We have seen a recent increase in main breaks. We have had about a dozen in the past two months. Most have been in Limerick but some on the Waterboro side.

Water Production for July and August 2017 was 26.35 Million Gallons.