



WEEKLY DEPARTMENTAL REPORT

COMMITTEE: Village Manager/Board, Finance/Public Works, Traffic/Public Safety, Beautification

PREPARED BY: Matthew S. Maederer, P.E., Director of Public Works/Village Engineer

REPORT DATE: May 14th, 2015

GENERAL: DPW has a new crew member! We are proud to introduce Rob Yenter as the new utility technician. The position was vacant for 9-months due to the departure of a previous employee. Rob will fill the void and assist with sanitary sewer, stormwater management, and general highway tasks as needed. Rob has previous public works experience with the City of Milwaukee. DPW is very excited to have Rob as a part of the team!

CONSTRUCTION UPDATES: Follow the 2015 construction projects on the DPW homepage by following this link <http://www.browndeerwi.org/departments/public-work/>

WINTER OPERATIONS: The Director submitted the 2015-2016 salt bid to the Wisconsin Department of Transportation (WisDOT). Communities within Milwaukee County submit requests for road salt to WisDOT who solicits bids from various vendors. Due to the mild winter and current salt dome reserve quantity DPW was able to order less material.

DPW crews repaired damaged turf areas from plowing operations with topsoiling & hydroseeding.

SANITARY SEWER: The Sanitary Sewer Technician continues cleaning (jetting) sewer mains throughout the Village this week as per the Village's wastewater discharge permit with the WDNR. The Village operates approximately 53-miles of sanitary sewer and routine cleaning is critical to prevent blockages which lead to basement back-ups.

Private Property Inflow/Infiltration (PPI/I) Study:

The Village's sanitary sewer private property inflow/infiltration (PPI/I) **Phase II** study started on Tuesday, May 5th and tentatively ends on Friday, June 5th. DPW has received funding through the Milwaukee Metropolitan Sewerage District (MMSD) to conduct a study within the Village's sanitary sewer collection system for the purpose of locating leaks, particularly leaks in sanitary lateral pipes. As part of the study adjacent roadside ditches are flooded with green dye water and cameras are placed in the sewer collection system for the purpose of visually determining the leak locations (i.e. presence of green dye water). The location of the study area is the neighborhood bounded by N. 59th Street, N. 56th Street, W. Betty Lane, and W. Ester Place. A secondary study area is the neighborhood bounded by N. Cedarburg Road, W. Bradley Road, N. 37th Street, and W. Kirchhoff Avenue. All residents within the study area are notified in advance (usually 3-days) of the work taking place adjacent to their property. Additionally, signage is placed in roadside ditches at the end each day where residual green dye water is present. The green dye is non-toxic and can be thought of as food coloring. The DPW is working in conjunction with the Water Utility as the water used to flood the ditches is coming from the Village's water distribution system. The contractor completing the work is Visu-Sewer and the on-site engineer is from RA Smith National. The study is an important undertaking so that we can identify sources of inflow and infiltration and eventually plan to reduce unnecessary water from entering the sanitary sewer collection system which ultimately will prevent sanitary sewer overflows and more importantly basement back-ups. The results of the study will be presented to the Finance & Public Works Committee at future regularly scheduled meetings.

STORMWATER: The Stormwater Technician continues street sweeping all roadways throughout the Village. All Village roadways will be swept at least once throughout the months of April & May. As per the Village's WDNR stormwater permit all roadways are swept with extra attention given to the curb & gutter areas.

The Director submitted the Village's annual stormwater report as per the Village's NR 216 stormwater permit with the Wisconsin Department of Natural Resources. Because the Village is an owner & operator of a MS4 system an annual report is required to be submitted to the WDNR before April 30th each year. Also, the Director submitted the Village's annual stormwater report to the Milwaukee Metropolitan Sewerage District (MMSD) as required by the District's Chapter 13 rules & regulations. Because the Village is within MMSD's service area an annual stormwater report is required to be submitted in addition to the annual WDNR NR 216 stormwater report.

DPW crews have installed seven (7) new driveway culverts to-date for various residents who pulled driveway & culvert permits. DPW crews remove & replace aging culvert pipes prior to residential driveway paving. **Please contact DPW if you plan to re-pave your driveway so that an inspection of your culvert pipe can be completed.**

BEAUTIFICATION/FORESTRY: DPW crews continue restoring, weeding & spreading mulch in planter beds throughout the Village. Work has progressed to plant beds along N. Green Bay Road, N. 60th Street, and eventually the Original Village neighborhood.

Fox Services was in the Village last week mowing grass & line-trimming all median and right-of-way areas maintained by the Village according to the official turf management maps. Additionally, Natural Landscapes, Inc. was in the Village maintaining the "natural" areas. Natural areas include:

- Rain gardens in the parking lot at Village Hall
- N. 51st Street drainage way
- Beaver Creek between W. Brown Deer Road & N. 60th Street
- W. Floral Lane rain gardens
- Original Village detention ponds
- Library stormwater basin

Thank you to everyone who participated in the Village Arbor Day event this past Saturday, May 9th! The event was a success in that we planted the future Village holiday tree! A Colorado Blue Spruce "Fat Albert" variety was planted within the new seat wall in the Original Village at the corner of Deerbrook Trail & W. River Lane adjacent to the North Shore Fire Station and Oak Leaf Trail. In conjunction with Arbor Day the electronics & appliance recycling event was well attended. We had approximately 50-vehicles pass through dropping off various electronics, TVs, computers, and household appliances. Thank you to everyone who also donated money to support the Beautification Committee!

STREETS & TRAFFIC: DPW assisted the Water Dept. with roadway patching in the locations of the winter water main breaks. Rodriguez Construction was in the Village starting on May 14th hot-mix asphalt patching all of the repair locations.

The Operations Supervisor marked out roadway areas throughout the Village for hot mix asphalt overlay patching. The Village contracts with Rodriguez Construction for hot mix asphalt repairs. Hot mix is used in lieu of cold patch for large surface asphalt repairs.

The Operations Supervisor marked out concrete curb & gutter replacement areas along with select sidewalk replacement areas throughout the Village. DPW contracts with TP concrete for repair work

which corrects sever cracked slabs and or heaving which affects drainage conveyance in curb lines. This year concrete repairs are expected to occur during the month of June.

REFUSE AND RECYCLING: The Director submitted the annual recycling report to the Wisconsin Department of Natural Resources (WDNR) which is required as part of the Village's grant funding. The Village reports recycling tonnage and costs to operate the recycling center. In 2014 Brown Deer recycled 999.39-tons of material (i.e. paper, magazines, cardboard, plastics, metals, glass, etc.) which is a 3% increase from 2013.

The Recycling Center has switched to spring & summer hours for the months of April thru September! The Recycling Center is open on **Tuesdays & Thursdays from 12pm to 8pm and on Saturdays from 10am to 5pm.** For further information regarding the recycling center hours please call the DPW office at 414.357.0120.

PARKS & RECREATION: Crews assisted with the opening preparation work at the Village swimming pond.