Lake Erie Shores Newsletter
June 2014
Painesville Township, Ohio

Committee and Event Volunteers Needed

Several volunteers are no longer with us on the various committees & events for our neighborhood and we need your help. You can help as much or as little as you would like with a committee or event such as: Covenants/Restrictions • Financial • Landscaping/Beautification • Recreational (including the subcommittees for events like the Easter Egg Hunt, 4th of July Parade, etc.) • Yard Sale Volunteers. The various committees may be reached via the web site:

http://www.lakeerieshores.com/contactUs.aspx

The following two committees are in need of a committee chair:

- Volunteer Coordinator
- Covenants & Restrictions

David Spall – Volunteer Trustee

The Association held its Annual Meeting on April 30, 2014 and the meeting highlights were as follows:

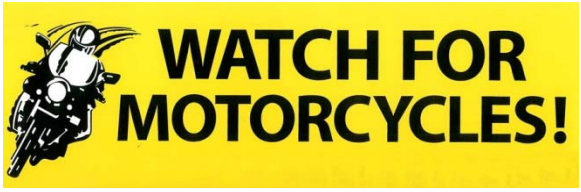
- Randy VanBuren was elected as a new Trustee Board Member
- We said Goodbye to Chuck Hillier as a Trustee. Thanking him for all the dedication & hard work he's done for our Association at Lake Erie Shores. (2006-2014)
- Storm water issues were discussed
- Master Declaration of Covent's, Conditions, Easements and Restrictions of Lake Erie Shores have been updated and are posted on the Web-Site
- The New Handbook of Rules and Information has been completed and is also posted on the Web-Site
- The Play Ground Equipment has been repaired
- A financial report was given and the Shoreline Reserve & Maintenance Reserve Funds are in good shape

We have installed a new privacy fence that is attached to the Port-a-Potty Structure. This new area is for two Totes for garbage. They have been installed at both the Play Ground and Lake Pavilions. We have replaced the five Garbage Cans at the Play Ground.

We would like to remind everyone that Villa Grande is a PRIVATE ROAD and not to be used to access the beach or for the Pavilion.

The Lake Erie Shores Trustees would like to wish all our Homeowners & Family's a safe and happy summer.

Watch for Motorcycles



It is motorcycle season once again. Please be aware of motorcyclists on the roads.

Speed Limits

Now that the weather is getting nice, there should be more children in the neighborhood playing outside. The speed limit in the neighborhood is 25 mph, and the speed limit on Lake Road is also 25 mph.

Special Collections – from Lake County Solid Waste web site

Household Hazardous Waste Collection ~ June 7, 2014

- Saturday, 9:00 a.m. to 3:00 p.m. (no fee)
- Lake County Fairgrounds (1301 Mentor Ave, Painesville 44077)
- Acceptable items: Household Cleaners & Solvents, Thinners, Kerosene, Turpentine, Lighter Fluid, Strippers, Used Motor Oil, Diesel Fuel, Gasoline,

Coolants, Antifreeze, Grease, Oil-based Paints, Varnish, Shellacs, Stains, Aerosols, Polyurethanes, Primers, Grout, Liquid/Solid Pool Lawn & Garden Chemicals, Pesticides, Weed Killers, Spray Insecticides, Batteries - All Sizes (including lead acid & household), Fluorescent Bulbs (all sizes), Photography Chemicals, "Hobby" Chemicals, Mercury, Empty Propane Tanks, Roofing Tars, Drive Sealers.

- NO Water Based Paints, Radioactive (Smoke alarms), Ammunition, Explosives, or Medical Waste.

Household Hazardous Waste Collection ~ September 27, 2014

- Saturday, 9:00 a.m. to 3:00 p.m. (no fee)
- Lake County Fairgrounds (1301 Mentor Ave, Painesville 44077)
- Acceptable items: see information above

For inquiries please contact:

- Tim Gourley (SWD Coord.) at 440-350-2908 or Tim.Gourley@lakecountyohio.gov
- Matt Armand at 350-2570 or Matt.Armand@lakecountyohio.gov
- http://www.lakecountyohio.gov/utilities/Divisions/SolidWaste.aspx

Brush Drop Off

According to the Painesville Township web site:

The brush, leaf and yard waste drop off area is now open. It will remain open on Wednesdays from 7:30 am until 3:00 pm and Saturdays from 10:00 am until 2:00 pm until December 3, 2014.

Water Pumps– by Jim Sorenson

It is rainy season again. Home owners can add resiliency to their home's infrastructure to reduce the risk of basement flooding, but there is no way to completely protect your home against all that Mother Nature can throw at it.

A summary of various water pump types is as follows:

Pump Capacity Summary (gal/min)	
Electric (110V)	30 - 60
Battery	22
Water	16
Gas powered	72 to 275

A typical basement footprint in our neighborhood is 40' x 30', and that translates into 747 gallons for every 1-inch of water in that basement. If the sample basement gets 6" of water, that corresponds to 4,482 gallons. If the sample basement gets 12" of water, that corresponds to 8,964 gallons.

Four inch perforated PVC pipe should be installed around the footers of each home. According to flexpvc.com, a 4-inch Schedule 40 PVC pipe may have the following flow rates:

- 240 gal/min assuming gravity to low pressure, about 6 ft/s flow velocity with minimal pressure loss & noise
- 480 gal/min assuming average pressure (20-100 PSI), about 12 ft/s flow velocity with minimal pressure loss & noise
- 700 gal/min assuming "High Pressure" peak flow, about 18 ft/s flow velocity with significant pressure loss & noise

If you have been unfortunate enough to have water in your basement, you can estimate the flow rates yourself. Just remember that this is just a single data point and is no guarantee that future flow rates will be the same.

The following table summarizes a simple example and assumes:

- Sump pump is rated at 30 gal/min
- Water is no longer entering the sump bucket [this is not a good assumption]
- The 40' x 30' basement has flooded to 12 inches [8,964 gallons] to start

Pump Type	Time to Drain Basement (0 gal/min and 12" of water at start)
Single sump pump	299 minutes or 5 hours
Single sump pump and a water powered sump pump: 46 gal/min aggregate	195 minutes or 3.3 hours
Single sump pump and a battery powered sump pump: 52 gal/min aggregate	172 minutes or 2.9 hours
Single sump pump and a 1-inch gas powered dewatering pump: 102 gal/min aggregate	88 minutes or 1.5 hours
Single sump pump and a 2-inch gas powered dewatering pump: 235 gal/min aggregate	44 minutes
Single sump pump and a 3-inch gas powered dewatering pump: 305 gal/min aggregate	29 minutes

The above example assumed that no water was entering the sump bucket, but even if it stops raining, water still enters the sump bucket. If we take the above example, but now assume that water is still entering the sump bucket at 45 gal/min, the input is greater than the output pumping capacity for the standard 30 gal/min sump pump. The associated input is 15 gal/min more than can be removed, and as a reference, it would take about 10 hours to fill a 40' x 30' basement with 12-inches of water.

If the pumping capacity is greater than the input, flooding would not occur if all of the pumps were running from the start. However, one of our assumptions is that the basement has 12" of water to start, so that assumes that all of the pumps were not running. This could be a realistic situation assuming that you went to bed, woke up and found water in the basement. The following is a summary of how long it would take to drain the basement with the assumptions provided:

Pump Type	Time to Drain Basement (45 gal/min flow and 12" of water at start)
Single sump pump	Water is entering faster than can be removed, so the basement would never drain. In reality this would not happen because eventually the water would stop entering the sump bucket and the water could be pumped out.
Single sump pump and a water powered sump pump: 46 gal/min aggregate	The aggregate pumping capacity is only 1 gal/min more than what is entering. Thus, it would take 8,964 minutes, or 149 hours or 6.2 days to drain! The odds of a continuous 45 gal/min flow for 6.2 days should be quite low, and the numbers should just be used for perspective.
Single sump pump and a battery powered sump pump: 52 gal/min aggregate	1,280 minutes or 21.3 hours or almost an entire day!
Single sump pump and a 1-inch gas powered dewatering pump: 102 gal/min aggregate	157 minutes or 2.6 hours
Single sump pump and a 2-inch gas powered dewatering pump: 235 gal/min aggregate	47 minutes
Single sump pump and a 3-inch gas powered dewatering pump: 305 gal/min aggregate	34 minutes

The last example provided assumes that water is now entering the home at 90 gal/min. This input is greater than the first three pump combinations: (1) the single 110V pump, (2) the 110V pump and a battery powered pump and (3) the 110V pump and a water powered pump.

Note that the assumed input is now 60 gal/min more than can be removed with a standard 30 gal/min sump pump, and for reference, it would take about 2.5 hours to fill a 40' x 30' basement with 12-inches of water. The following is a summary of how long it would take to drain the basement with the assumptions provided:

Pump Type	Time to Drain Basement (90 gal/min flow and 12" of water at start)
Single sump pump	Water is entering faster than can be removed, so the basement would never drain. In reality this would not happen because eventually the water would stop entering the sump bucket and the water could be pumped out.
Single sump pump and a water powered sump pump: 46 gal/min aggregate	
Single sump pump and a battery powered sump pump: 52 gal/min aggregate	
Single sump pump and a 1-inch gas powered dewatering pump: 102 gal/min aggregate	747 minutes or 12.5 hours
Single sump pump and a 2-inch gas powered dewatering pump: 235 gal/min aggregate	62 minutes or about 1 hour
Single sump pump and a 3-inch gas powered dewatering pump: 305 gal/min aggregate	42 minutes

Each pumping option has its own advantages/disadvantages and home owner's should thoroughly evaluate their options.

Note that none of the options presented account for sewer backup. That is a whole different problem.

Contact Information

Lake Erie Shores Web Site
www.LakeErieShores.com

Home Owners Association Committees
Welcoming Committee (welcome@lakeerieshores.net)
Covenants/Restrictions Committee Chair – **OPEN**
Financial Committee Chair - Randy Van Buren (rcvanburen@sbcglobal.net)
Landscaping & Beautification Committee - Dave Spall (davidspall@sbcglobal.net)
Recreation Committee Co-Chairs - Jonathon Adkins (jonsuzannaadkins@sbcglobal.net) and Cory Wertch
Volunteer Coordinator - **OPEN**
Newsletter Committee Chair – Jim Sorenson (newsletter@lakeerieshores.net)

Board of Trustees

John Guinan - President
aliashenry@aol.com
1575 Clipper Cove
440-358-1424

Randy VanBuren – Treasurer/Secretary
randy.vanburen@sbcglobal.net
1025 Tradewinds Cove
440-336-7022

David Spall – Vice President
davidspall@sbcglobal.net
1534 Clipper Cove
440-637-4559

Lake Erie Shores Management Company

First Realty Property Management, Ltd.
6690 Beta Drive, Suite 220
Mayfield Village, Ohio 44143
440-720-0100 (office)
440-720-0973 (FAX)

LES Property Manager is Bob Guarino
rguarino@firstrealtypm.com

If you observe an odor, please call Lake County officials at 350-2543 and note the time, location and a description of the odor.