

**Minutes  
Special Village Board Workshop  
Glen Ellyn Village Board of Trustees  
January 21, 2013**

Time of Meeting: 6:00 p.m.

Present: President Pro Tem Cooper, Trustees Hartweg, Henninger, Ladesic and McGinley; Deputy Village Clerk Solomon; Staff present: Village Manager Franz, Assistant to the Village Manager Schrader, Police Chief Norton, Public Works Director Hansen and Administrative Intern Strong. President Pfefferman at 6:21 p.m.

**1. Call to Order**

President Pro Tem Cooper called the Board Workshop to order at 6:00 p.m. with a roll call. Trustees Hartweg, Henninger, Ladesic and McGinley responded "Present." President Pfefferman arrived at 6:21 p.m.

**2. Adjournment to Executive Session**

At 6:01 p.m. Trustee Ladesic moved, seconded by Trustee Henninger to adjourn to Executive Session in Room 301 for the purpose of discussing collective bargaining negotiations, returning thereafter to open session.

At 7:00 pm. President Pfefferman reconvened the open session of the Special Workshop.

**3. Glen Ellyn History Project**

Glen Ellyn Park District Commissioner Ron Aubrey introduced the project and said they started on this about two years ago as the Park District wants to start preserving its documents. He said the Park District will be celebrating its centennial in 2019.

Glen Ellyn Park District Commissioner Julia Nephew gave further background on the project and showed examples of the types of things they are archiving. She said this project is designed to celebrate the history of the Park District for the centennial through creating an archives, scan and preserving material in archival storage and creating a history website.

Archivist Leslie Peet presented information on the steps she is taking in order to archive different items, such as documents, newspaper articles, photographs, architectural drawings, etc. There will be a website at <http://geparkhistory.omeka.net> which will have collections and items that have been submitted and a place to contribute stories images, movies and audio.

Trustee Henninger gave a suggestion of visiting the Facebook page of "I Remember When in Glen Ellyn." There was also discussion regarding funding, timing, where the archives will be kept and the possibility of needing an architect's scanner for big drawings at some point down the road.

#### **4. Lake Ellyn Hydrologic and Hydraulic Study**

Professional Engineer Minix gave background on this project and presented the original findings from RHMGE Engineers from the drainage study commissioned by the Village and Park District to study Lake Ellyn and address a number of items and issues associated with lake inflows, operations and overflows.

Bill Rickert, project principal from RHMGE Engineers, said the original study was precipitated by the overtopping event in July 2010 and presented background on the 1<sup>st</sup> study's objectives and the additional study's objectives, which includes impervious coverage area within tributary basin, feasibility of increasing peak discharge rate and possible modification of the outlet control structure. He showed several pictures, including a schematic of Lake Ellyn and the drainage basin and a map of the tributary areas and trunk sewers.

Ben Metzler, project engineer from RHMGE Engineers, presented information on the increasing impervious area within the basin. Impervious area includes anything covered by impenetrable materials, such as driveways, patios, roof tops, etc. The Lake Ellyn tributary area is in the R-2 Residential district. The existing impervious coverage ratio in the study area is 40%, and of the 40%, 37% is the building footprint. RHMGE modeled the existing condition of 40% with 3 future scenarios of 50%, 55% and 60% and then examined different possible events (100-year event 8-hour event, an 18-hour event and a 12-hour event). The conclusion is the impervious coverage area should not exceed 55%. Mr. Metzler said the Village is starting to implement volume-control best management practices which reduce the runoff from individual lots.

Mr. Rickert said representatives from the Village's Public Works Department and RHMGE met with the Village's Stormwater and Flood Plain Ordinance Administrator to discuss the potential to increase the peak discharge from Lake Ellyn. The Stormwater and Flood Plain Ordinance Administrator was fine with increasing the discharge, but wanted to confirm that the discharges to Perry's Pond would not exceed historical peak discharges. As a part of the original study, the discharge rate was increased from 27 CFS (cubic feet per second) to 38 CFS; however, the maximum that would be permitted under the county-wide stormwater ordinance is 0.1 CFS per acre of tributary area to the lake, which calculates to 61.4 CFS. It was determined that increasing the peak discharge rate would have no significant impact on Perry's Pond or the downstream storm sewer capacity.

Mr. Metzler said they also found that increasing the weir length (width) in the outlet control structure will cause the discharge from Lake Ellyn to be outlet-controlled at a lower elevation, thereby increasing the effective storage of the lake. There is a 24-inch hole that was previously restricted by a plate which has since been removed and caused the increase to go from 28 CFS up to 37 CFS out of the outlet control structure. Several weir lengths and outlet configurations were modeled and analyzed, and the conclusion

was that as the weir length increases, the discharge increases. Also, RHMG is proposing to install a storm sewer connecting Perry's Preserve area bounded by Oak Street, Grand Avenue and Riford Road to the sideyard channel that drains to Perry's Pond. Installation of the pipe connecting Perry's Preserve and Perry's Pond would reduce the amount of flow conveyed overland via the sideyard swale between 729 and 735 Riford.

There was discussion around the removal of the restrictor plate, some type of warning for overflow events, possibility of a water shortage, Perry's Pond ownership lines and the possible timing for this project.

Joe Sinopoli, 725 Riford Road, Glen Ellyn, Illinois, said the creek that goes to Perry's Pond goes through his property and asked about the maximum flow through the possible Riford Road culvert to which Mr. Metzler responded it would be about 170 CFS which is still below the rated capacity of that culvert, which would be 240 CFS. Mr. Sinopoli asked how the orifice would manage the water to which Mr. Metzler responded the total volume of water going through the creek will not change. Mr. Metzler said they are recommending the orifice be enlarged to 33 inches, and the weir will be used to get the orifice under control quicker as the orifice and the weir will work in tandem.

Jerry Dentinger, 729 Riford Road, Glen Ellyn, Illinois, asked about the possible grading between his property and the property at 735 Riford Road to which Mr. Metzler said this will be a grass swale that would be less than 2 feet at its biggest depth. Mr. Dentinger asked if the water out of Lake Ellyn will be faster to which Mr. Rickert said there would be no change to the flow/velocity as the new culvert piper will divert a significant amount of water so it does not reach the sideyards. Mr. Dentinger said that during both the July 2008 and September 2010 events, the water spanned 4 houses.

Gary Fasules, 755 Chidester Avenue, Glen Ellyn, Illinois, said he is one of the land owners of Perry's Pond and that a bigger solution needs to be addressed. He said he has video tapes from the July 2008 and September 2010 events to show how much water was flowing. Village President Pfefferman asked for these videos or links to the videos to be sent to him. He suggested making the dam higher as these events are happening more frequently and he thinks this plan is a great start, but is only putting a "Band-aid on a broken leg."

Jane Anderson, 747 Chidester Avenue, Glen Ellyn, Illinois, said her house is downstream so it is a low point in the area. She asked what possible impact might happen if the water makes it past the homes at 729 Riford Road and 735 Riford to which Mr. Metzler responded there would be no increased volume downstream, just an increase to the rate downstream. Ms. Anderson said in the past several years, her yard is wet and swampy often even though a major rain event is not happening to which Mr. Rickert said there may be another issue that needs to be addressed. Mr. Fasules said that Perry's Pond is not flooding, but that the flooding is coming from the overtopping of Lake Ellyn.

Mr. Fasules asked about the possibility of raising the dam to which Village Manager Franz said this was talked about earlier in the process. Mr. Rickert said if the dam is raised, it is probable that the Glenbard West High School athletic fields, the Boathouse and Lake Ellyn Park would flood. Glen Ellyn Park District Executive Director Dave Harris said the Park District has issues with raising the dam as Lake Ellyn Park is a valuable asset to the Village and thinks there are other solutions that can be looked at. Mr. Fasules said he thinks the natural topography at the end of Lake Ellyn could easily be raised so the runoff water does not go to the east to which Mr. Dentinger agreed. Mr. Dentinger said they should be looking at more than one water exit out of the lake.

Jeff Hintz, 717 Riford Road, Glen Ellyn, Illinois, said there is great concern in the neighborhood about the possible overtopping of Lake Ellyn. He said that Perry's Pond is not the issue, but the overtopping of Riford Road is the issue. He said the proposed culvert is a step in the right direction and the swale could be good.

Mike Colliander, 540 Longfellow Avenue, Glen Ellyn, Illinois, asked if a significant rain event is coming then can the pond be released sooner to which Mr. Metzler responded actively managing the lake is not recommended, and the lake works better as a passive system, and there is also no significant effect if the pond release starts hours in advance of a rain event.

Glen Ellyn Park District Commissioner Julia Nephew said anytime Lake Ellyn Park is flooded, this flooding is damaging the root systems of the trees in the park, which are some of the oldest trees in the Village. She said the quantity of water grows exponentially during a rain event.

Mr. Fasules said yes to the culvert, but he would like to see them look at other ways to catch water in other areas upstream to divert the water before it gets downstream.

Village Manager Franz said there will be another presentation of this information at the Park District Meeting at 7pm on February 5, 2013 in order to get more feedback from the residents and then the Village will look at the next steps.

## **5. Adjournment**

At 9:44 p.m. Trustee Henninger moved and Trustee Ladesic seconded the motion to adjourn. All voted "Aye." Meeting adjourned.

Respectfully Submitted,  
Debbie Solomon,  
Deputy Village Clerk

Reviewed by,  
Patti Underhill  
Acting Village Clerk