

MINUTES OF THE NORTH BARRINGTON PLAN COMMISSION MEETING WHICH WAS HELD MAY 14, 2007 AT THE NORTH BARRINGTON VILLAGE HALL, 111 OLD BARRINGTON ROAD, IN SAID VILLAGE

1. Call to Order and Roll Call

At 7:32 P.M. Chairman Martin Pais called the meeting to order and the Deputy Clerk called the roll:

Present: Chairman Martin Pais, Vice Chairman Daniel Nass, Camille Koertner, Denis Taillon, David Wilford, Mark Kolar

Absent: Bill Bishop

Also Present: Trustee Jane Farrell

Mr. Michael Barnhardt, PHD, Illinois State Geological Survey

Mr. Steven Brown, Illinois State Geological Survey

Mr. Jason Thomason, Illinois State Geological Survey

Sue Murdy, Deputy Village Clerk

2. Approve Minutes: Plan Commission Meeting – April 9, 2007

The Minutes of the April 9, 2007 Plan Commission Meeting were made available to the Commission.

Motion: Mark Kolar moved that the Minutes of the April 9, 2007 Plan Commission Meeting be approved; seconded by David Wilford.

Discussion: There was no discussion.

Vote on Motion:

The voice vote was unanimous in favor.

Chairman Martin Pais declared the Minutes of the April 9, 2007 Plan Commission Meeting approved and put on file.

3. Presentation by Mr. Steve Brown and Mr. Jason Thomason from the Illinois Department of Geologic Survey

Chairman Martin Pais introduced Mr. Steve Brown from the Illinois State Geological Survey; Quaternary Geology Section.

Mr. Steven Brown explained to the Commission that this evening's presentation from the Quaternary Geology Section will include studies of ice age glacial geology as well as recent

geology in Northeastern Illinois, including Lake County, specifically the Village of North Barrington. Mr. Brown explained that they are also involved with the Central Great Lakes Geologic Mapping Coalition, Lake County Forest Preserves and BACOG (Barrington Area Council of Governments), focusing their work on glaciations and groundwater. Mr. Brown explained that Lake Michigan and local groundwater are the major sources of drinking water in Northeastern Illinois. Boreholes are drilled in the area's bedrock to record the layers of geologic sediment. Scientists collect waterhole records, as well as engineering data sources, which assist in determining the depth of area wells. Season and time affects these wells, as well as rainfall; Mr. Brown hopes that a system can be developed which will help in the prediction of future groundwater supply in Northeastern Illinois, specifically Lake County.

Mr. Michael Barnhardt and Mr. Jason Thomason explained that the depth of the area boreholes being drilled vary from 130-160 feet in the Libertyville vicinity, to 250-270 feet in the Lake Zurich vicinity. The objective is to drill through sand and gravel units until the drillers hit the bedrock.

Mr. Steve Brown referred the Commission to graphs showing multiple glaciations in the Midwest occurring over many centuries. Mr. Brown explained that Lake County has a very complex glacial geology record and referred to Mr. Jason Thomason for specifics.

Mr. Jason Thomason addressed the Commission and explained that the regional geology in Northeastern Illinois was a reflection of three glacial advances/events. These melting glaciers left layers of silty, stoney till, which actually forms aquifers. An unconfined aquifer is saturated with groundwater which can be pumped out, as compared to a confined aquifer which is more pressurized. Mr. Thomason explained the effects of pumping wells from various pressure types of aquifers and the surrounding geology using various overhead graphs.

In summary, Mr. Thomason explained that:

- \* Geological mapping continues to progress in Northeastern Illinois
- \* Glacial history studies glacial environments and deposits
- \* Glacial hydrogeology studies glacial sediments and bedrock
- \* The geology of North Barrington is interpreted from existing well records

There were questions from the Commission about future ability to predict ground saturation rate, water supply predictions, groundwater protection and affect of private wells on municipal wells.

The members of the Illinois State Geological Survey explained that by accumulating data and through the use of mathematics and physics, they hope to be able to interpret the data, make decisions and more accurately answer such questions as they apply to North Barrington.

Chairman Martin Pais thanked the Illinois State Geological Survey for their informative presentation. There was discussion about possible consulting services and combined efforts with various municipalities.

4. NIMS Status Update by Bill Bishop

There was no update since Bill Bishop was not present at the meeting.

5. Old/New Business

Chairman Martin Pais congratulated Mark Kolar on his recent election to the Village Board of Trustees and thanked him for his service to the Plan Commission.

Chairman Martin Pais announced that Trustee Jane Farrell will serve as the Plan Commission Trustee Liaison.

Camille Koertner gave a brief update on the water disposal issues currently facing the Wynstone subdivision in North Barrington. Wynstone has its own water and sewer system. The Wynstone Golf Course does not want to use the excess waste water on the golf course and subsequently the effluent water is being shipped off the premises. The issue is currently being reviewed in the court system. Ms Koertner feels that from a Plan Commission standpoint, the situation is relevant and will continue to update the Commission as needed.

Trustee Jane Farrell introduced herself and explained to the Commission that as Trustee Liaison she will give a report at each Plan Commission Meeting of the events of the Board Meetings. Trustee Farrell explained the recently adopted contract with Connect-CTY for implementation of a rapid emergency call program for the residents of North Barrington.

6. Adjournment

Motion: Denis Taillon moved the meeting be adjourned; seconded by Camille Koertner.

Discussion: There was no discussion.

Vote on Motion:

The voice vote was unanimous in favor.

9:10 P.M. Chairman Martin Pais declared the meeting adjourned.

These Minutes were approved at the Plan Commission Meeting held June 11, 2007.

ATTEST:

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Sue Murdy, Deputy Village Clerk

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