



CITY OF HUDSON

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INTEROFFICE MEMO

Date: July 29, 2014

To: Mark Richardson, Director of Community Development

From: Brad Kosco, P.E., P.S., Project Engineer/Utilities

RE: 6604 Chestwick Lane, In-Ground Pool Construction inside Pond Easement

Mark -

Per the request of the Community Development Dept., the Engineering Dept. has reviewed the submitted plan for a new in-ground pool to be constructed behind 6604 Chestwick Lane (PPN 3009820) in the Estates at Canterbury on the Lakes Subdivision. The Engineering Dept. was asked to review the proposed in-ground pool's plan to install the improvements within the City's "Retention Pond Easement" and identify any potential flooding impacts of the proposed pool.

Per Chapter 6 of the City of Hudson Engineering Standards, the City requires a minimum 30 foot pond easement outside the perimeter of the pond for access to address pond maintenance issues. The Engineering Dept. has reviewed the location of the new fence, pool and other improvements that are to be located within the easement, and determined that sufficient space for maintenance vehicles and equipment to navigate between the edge of the 100-year water elevation and the new fence will remain after the improvement.

The Engineering Dept. also reviewed the elevations of the new pool improvements versus the designed pond emergency overflow and 100-year flood elevation of the pond. The finished deck elevation adjacent to the pool is at an elevation of 1105.00 which is six feet above the emergency pond overflow elevation of 1099.00. Therefore, it is not anticipated that the new pool improvement would be impacted by the water elevation of the pond rising to the emergency overflow. Also, the 100-year elevation of the pond is calculated at 1096.64, over eight feet below the new deck elevation of 1105.00. Therefore, storage capacity of the pond will not be compromised by this new private pool improvement.

No other reviews were conducted by the Engineering Department for this request.

Respectfully,

Brad Kosco, P.E., P.S.
Project Engineer/Utilities

C: Thomas J. Sheridan, P.E., P.S. City Engineer

The mission of the Hudson City Government is to serve, promote and support, in a fiscally responsible manner, an outstanding community that values quality of life, a well-balanced tax base, historic preservation with a vision to the future and professionalism in volunteer and public service.

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