

October 16, 2013

Carl Kupfer  
INFRACON, Inc.  
495 Central Avenue -- Suite 101  
Northfield, Illinois 60093

Subject: Watershed Development Permit Application #P96-69-264  
Forest Lake Outfall Base Flood Elevation

Dear Mr. Kupfer:

We have completed our review of the documentation determining a base flood elevation for Forest Lake. The calculations were presented in **Final Storm Water Calculations for Forest Lake Outfall**, dated November 24, 1997. Based on the supporting information, we approve a base flood elevation as follows:

**APPROVED EXISTING CONDITIONS BASE FLOOD ELEVATION  
FOREST LAKE OUTFALL**

STORM EVENT	ELEVATION
100-year, 48-hour	796.6

Due to the nature of the soils in the area and the high groundwater elevation, the SMC recommends that structures built adjacent to the Regulatory Floodplain meet the Regulatory Floodplain lowest floor requirements. The lowest floor including basements of all new residential structures shall be elevated up to at least the flood protection elevation. An attached garage for a new structure must be elevated up to at least 0.5 foot above the base flood elevation [WDO Art. IV, Sec. C.2.f.(1)].

We would like to be of assistance. If you have any questions or would like to set up a meeting, please call Michael Warner at (847)918-5267.

Sincerely,

LAKE COUNTY STORMWATER MANAGEMENT COMMISSION

Michael D. Warner, P.E.  
Chief Engineer

c: Jon Tack -- Lake County Building and Zoning Division