Zoning Board of Appeals
AGENDA & NOTICE OF MEETING

Tuesday, February 21, 2017 ~ 6:30 pm
112 Algonquin Road

1. Call to Order & Roll Call
2. Public Comments
3. [Vote] Minutes January 17, 2017

PUBLIC HEARING

4. 153 Algonquin - Special Use Artificial Lake

PUBLIC MEETING

5. ~~[Vote] 61 Otis Road - Special Use Boat House~~ WITHDRAWN
6. [Vote] 153 Algonquin - Special Use Artificial Lake
7. Discussion
   7.1 Zoning Violation Procedures
   7.2 Text Amendment Application Procedure
   7.3 Permits for Special Events
   7.4 Advertisement Restriction on Private Property
   7.5 Building Structure Height Regulation
8. Adjournment

Chairman: Dan Wolfgram

NOTICE AS POSTED

VILLAGE OF BARRINGTON HILLS
ZONING BOARD OF APPEALS – SPECIAL MEETING
Countryside School
Tuesday, January 17, 2017

1. Call to Order/Roll Call: The Meeting was called to Order at 6:37 p.m. by Chairman Dan Wolfgram. On roll call, the following members were present:

Dan Wolfgram, Chairman
Patrick J. Hennelly
Jim Root
Debra Buettner
Jan Goss

Absent: David Stieper
Richard Chambers

Staff Present: Robert Kosin, Village Administrator
Anna Paul, Village Clerk
Mary Dickson, Legal Counsel

2. Public Comment

Resident Steve Casey, 55 Otis, commented that the work undertaken on Otis was poor and the condition of the road should be fixed.

3. Approval of Minutes

November 9, 2016

Member Hennelly moved, seconded by Member Goss, to approve the minutes of November 9, 2016. On a voice vote, all members voted "aye," the Motion Carried.

Prior to moving to the Public Hearing, Chairman Wolfgram sought counsel from the Board as to whether it wished to consider the following items at the next meeting:

- Permits for Special Events, pursuant to language previously suggested by Member Stieper;
- Text Amendment relative to those persons who can apply for a text amendment to the Zoning Code;
- Structure height as a possible Zoning Code amendment;
- Restrictions on advertisements for professional services on private property; and
- Procedures for following up on zoning violations in the Village.

The Members concurred in their interest in discussing these issues, and they will appear on the next agenda for this purpose.

4. Public Hearing – 61 Otis Road – Special Use

Chairman Wolfgram announced that Member Steiper was not present this evening because he has a non-related legal relationship with one of the individuals interested in the application at issue, and did not want his participation to be perceived as a conflict.

Chairman Wolfgram opened the public hearing relative to the application for special use for construction of a boat house at 61 Otis Road on Hawley Lake. Administrator Kosin provided testimony relative to public notice of the hearing being given in accordance with the Village Code.

Attorney Michael Smoron presented the application, through the testimony of the following:

- David Dolby, the architect who drew the plan for the boathouse. The owners want to construct the permanent boathouse in the place of a temporary pier so that they do not need to take their boat in and out of the water; and to enhance the visual aspect of the property. He testified that the proposed boat house is in compliance with Village Code requirements in that it is 16 feet in height from the base flood elevation (exclusive of the cupola) and with cupola still meets Code requirements. The existing temporary pier extends 72 to 75 feet into the lake, while the planned boathouse will extend only 42 feet into the lake.
- Liz Gabis, an owner of 61 Otis Road. Ms. Gabis testified that her family owns an electric pontoon boat and is wanting to construct the boathouse to provide a safer mooring space for the boat. They have designed the boathouse to have a nautical flair, typical of New England. The new boathouse would be less deep in the water than the existing lift/dock, and it would remove the necessity of storing the pontoon on land in winter. She testified that:

  (1) the boathouse is safer for shelter, is nicer looking than the existing lift/dock;
  (2) not injurious to others in the area;
  (3) will not diminish local property values; instead they would go up;
  (4) would not impede the use of the lake by neighboring property owners
  (5) would not impact existing utilities; and
  (6) will conform with District regulations.

- Administrator Kosin testified relative to notice of the hearing, and responded to questions regarding setback.
- Resident David Toni, 92 Hawthorn Rd, testified in opposition to the application. He stated there is no reason to allow a permanent structure in the lake, and to allow such a structure could lead to a proliferation of them to such an extent the lake would begin to look like a "shanty town." The existing pier and shore station are adequate for the purposes of the pontoon.
- Resident Dominque Buttita testified that she is an attorney representing four homeowners on the lake, all in opposition to the application. She stated the IDNR would have to review the request as well as the Army Corps of Engineers, and that this has not been done. She also stated that the exclusive purpose of the boathouse should be to provide storing of the boat in the water, but the plans submitted also show a table and chairs which goes beyond the use. She testified that this could impact the serenity and picturesque quality of the lake.

- Resident Dominic Buttita also testified relative to opposition to the application. He asked the architect questions relative to how the boat house would be constructed, and stated it would detract from the value of homes in the area.
- Resident Tim Carter testified that there was no homeowners meeting called relative to the application, but he believes if such was called the neighbors would be in opposition to the application because they do not want permanent structure in the lake and it is not proper for the surrounding area. He did state that the Association guidelines have no rule regarding permanent structures in the lake.
- Ben Gabis, owner of 61 Otis, testified in support of the application. He stated he could not imagine any of this neighbors having any problem with the application, and that the boathouse is designed to look elegant. It was not meant to be contentious. The homeowners association has no bylaws or declarations.

  In response to a question from the ZBA, Administrator Kosin testified to the past approval of a boathouse. However that boathouse approval was for a homeowner who was the single owner of the lake.

Following the close of all testimony, Member Hennelly moved, seconded by Member Root to close the public hearing. On roll call vote,

	Aye	No	Absent
Dan Wolfgram	x		
Richard Chambers			x
David Stieper			x
Patrick J. Hennelly	x		
Jim Root	x		
Debra Buettner	x		
Jan Goss	x		

The Motion Carried. The public hearing was closed.

5. Public Meeting

Member Goss moved to approve the Text Amendment as submitted, seconded by Member Buettner. On discussion:

Member Goss stated that he believes the application meets the requirements for special use factors 1, 4, 5 and 6, but perhaps not 2 and 3.

Member Hennelly stated that fact number 2 is not met. He would defer to the members of the homeowners association.

Member Goss agreed stating he was going to recommend denial, but if the association members were agreeable to the application, he would vote for it.

Member Root encouraged the applicant to secure the homeowners' association approval of the application. The lake owners have a lengthy history of careful use of the lake, so if the lake owners approve it would be helpful. He also questioned whether approval of the Army Corps of Engineers was required.

Member Buettner stated she had no comment on the application.

Following comment, Member Hennelly moved, seconded by Member Buettner to table discussion of the application to February 21, 2017. On a roll call vote:

	Aye	No	Absent
Dan Wolfgram	x		
Richard Chambers			x
David Stieper			x
Patrick J. Hennelly	x		
Jim Root	x		
Debra Buettner	x		
Jan Goss	x		

The Motion Carried. This matter is tabled to February 21, 2017 to allow the applicant to confer with their neighbors.

6. Minutes/Reconsideration

Chairman Wolfgram moved to reconsider approval of the minutes of November 9, 2017, seconded by Member Hennelly, to allow the minutes to be corrected to reflect on page 2, the name "Oakwood Farms." On a voice vote, all members voted aye. The Motion was carried. The minutes are approved as corrected.

7. Adjournment

Motion to adjourn by Member Hennelly, seconded by Member Root at 8:50 p.m. On a voice vote, all members present voting "aye." The Motion Carried. The meeting stands adjourned.

Approved: _____ Dated: _____

112 Algonquin Road
Barrington Hills, IL 60010
847.551.3000

village@vbhil.gov
www.vbhil.gov

POSTED NOTICE - ZONING BOARD OF APPEALS

The Zoning Board of Appeals, in acting upon variations, special uses, amendments of the zoning ordinance, or appeals from action taken by the Zoning Enforcement Officer, hears all such cases at a public hearing at which neighboring property owners have a right to be heard.

If the subject to the hearing, as stated below, is of concern to you, you will have an opportunity to fully express your opinions whether for or against. For your guidance, a copy of the Zoning Ordinance is available in the Village Hall and online.

If it is inconvenient for you to appear at the hearing, you may file your opinion by letter or email to clerk@vbhil.gov, giving the street and lot number of the property owned by you and for what it is now used. Please state fully what your position is regarding the subject.

You are, by this posting, notified that the subject stated below will be heard at a public hearing at the Village Hall of Barrington Hills. 112 Algonquin Road, Barrington Hills, Illinois 60010-5199.

Date and Time of Hearing: Tuesday, February 21, 2017 at 6:30 pm
Applicant: Anthony P. DiMucci
Address: 153 Algonquin Road, Barrington Hills, IL 60010
Subject: A special use application to construct an artificial lake

Chairman Dan Wolfgram
Zoning Board of Appeals
Village of Barrington Hills
Publication Date: February 1, 2017

PUBLIC HEARING
Before the
Zoning Board of Appeals,
Village of Barrington Hills,
Re: 153 Algonquin Road

Notice is hereby given that a Public Hearing will be held on Tuesday February 21, 2017 at 6:30 p.m. or as soon thereafter as the matter may be heard by the Zoning Board of Appeals of the Village of Barrington Hills ("Village") in the MacArthur Room of the Village Hall, 112 Algonquin Road, concerning the application for a special use for the construction, use and maintenance of an artificial lake on certain parcels ("Subject Property") owned by Anthony P. Dimucci at 153 Algonquin Road, subject to the provisions of Section 5-10-7 of the Zoning Ordinance.

The location of the Subject Property is fully described on the plat of survey to be found on file in the office of the Village Clerk and containing thereon a legal description of the parcels to be found on the south side of Algonquin Road (State Rt. 62) , west of the intersection with Helm Road in Section 7, Township 42 North, Range 9 East of the 3rd PM, and commonly described as 153 Algonquin Road being in the Barrington Township, Cook County area of the Village otherwise identified by the Property Tax Index Number of 01-07-101-006, 01-07-101-009 and 01-07-101-011.

A copy of the application for the Special Use is available for examination at the office of the Village Clerk at Barrington Hills Village Hall during the customary hours of operation. All interested parties are invited to attend the Public Hearing and will be given an opportunity to be heard.

Daniel Wolfgram,
Chairman
Zoning Board of Appeals
Village of Barrington Hills
Published in Daily Herald
February 1, 2017 (4463163)

CERTIFICATE OF PUBLICATION

Paddock Publications, Inc.

Daily Herald

Corporation organized and existing under and by virtue of the laws of the State of Illinois, DOES HEREBY CERTIFY that it is the publisher of the **DAILY HERALD**. That said **DAILY HERALD** is a secular newspaper and has been circulated daily in the Village(s) of Algonquin, Antioch, Arlington Heights, Aurora, Barrington, Barrington Hills, Lake Barrington, North Barrington, South Barrington, Bartlett, Batavia, Buffalo Grove, Burlington, Campton Hills, Carpentersville,Cary,Deer Park, Des Plaines, South Elgin, East Dundee, Elburn, Elgin,Elk Grove Village, Fox Lake, Fox River Grove, Geneva, Gilberts,Grayslake, Green Oaks, Gurnee, Hainesville, Hampshire, Hanover Park,Hawthorn Woods, Hoffman Estates, Huntley, Inverness, Island Lake,Kildeer, Lake Villa, Lake in the Hills, Lake Zurich, Libertyville,Lincolnshire, Lindenhurst, Long Grove, Mt.Prospect, Mundelein,Palatine, Prospect Heights, Rolling Meadows, Round Lake, Round Lake Beach,Round Lake Heights,Round Lake park,Schaumburg, Sleepy Hollow, St. Charles, Streamwood, Tower Lakes, Vernon Hills, Volo, Wauconda, Wheeling, West Dundee, Wildwood, Sugar Grove, North Aurora, Glenview

County(ies) of Cook, Kane, Lake, McHenry and State of Illinois, continuously for more than one year prior to the date of the first publication of the notice hereinafter referred to and is of general circulation throughout said Village(s), County(ies) and State.

I further certify that the DAILY HERALD is a newspaper as defined in "an Act to revise the law in relation to notices" as amended in 1992 Illinois Compiled Statutes, Chapter 715, Act 5, Section 1 and 5. That a notice of which the annexed printed slip is a true copy, was published February 1, 2017 in said DAILY HERALD.

IN WITNESS WHEREOF, the undersigned, the said PADDOCK PUBLICATIONS, Inc., has caused this certificate to be signed by, this authorized agent, at Arlington Heights, Illinois.

PADDOCK PUBLICATIONS, INC.
DAILY HERALD NEWSPAPERS

BY Paula Ballzin
Authorized Agent

Control # 4463163

5-10-7: SPECIAL USES:

(A) Purpose: The development and execution of a zoning ordinance is based upon the division of the Village into districts, within which districts the use of land and buildings and the bulk and location of buildings and structures in relation to the land are substantially uniform. It is recognized, however, that there are special uses which, because of their unique characteristics, cannot be properly classified in any particular district or districts without consideration, in each case, of the impact of those uses upon neighboring land and of the public or private need for the particular use at the particular location. Such special uses fall into two (2) categories:

1. Uses publicly operated or traditionally affected with a public interest.

2. Uses entirely private in character but of such an unusual nature that their operation may give rise to unique problems with respect to their impact upon neighboring property or public facilities.

(B) Initiation of Special Use: An application for a special use may be made by the owner of the subject property, or by another person having an interest therein with the written concurrence of the owner thereof, to use said property for one or more of the special uses provided for in this Zoning Title in the zoning district in which the land is situated.

(C) Application for Special Use: An application for a special use shall be filed in writing with the Enforcing Officer. The application shall contain such information as the Zoning Board of Appeals may from time to time, by rule, require. Notice of the time and place of such public hearing shall be published at least once, not less than fifteen (15) days nor more than thirty (30) days before the hearing in a newspaper of general circulation in the Village. The published notice may be supplemented by such additional form of notice as the Board, by rule, may require.

(D) Authorization: For each application for a special use the Zoning Board of Appeals shall report to the Board of Trustees of the Village its findings and recommendations, including the stipulations of additional conditions and guarantees that such conditions will be complied with when they are deemed necessary for the protection of the public interest.

The Board of Trustees may grant or deny any application for a special use; provided, however, that in the event of written protest against any proposed special use, signed and acknowledged by the owners of twenty percent (20%) of the property adjacent to the property proposed for a special use, and filed with the Village Clerk, such special use shall not be granted except by the favorable vote of two-thirds (2/3) of all the members of the Board of Trustees.

(E) Standards: No special use shall be recommended by the Zoning Board of Appeals unless said Board shall find:

1. That the establishment, maintenance or operation of the special use will not be detrimental to or endanger the public health, safety, morals, comfort or general welfare.

[(E) Standards: con't]

2. That the special use will not be injurious to the use and enjoyment of other property in the immediate vicinity for the purposes already permitted, nor substantially diminish and impair property values within the neighborhood.

3. That the establishment of the special use will not impede the normal and orderly development and improvement of surrounding property for uses permitted in the district.

4. That adequate utilities, access roads, drainage and/or other necessary facilities have been or are being provided.

5. That adequate measures have been or will be taken to provide ingress and egress so designed as to minimize traffic congestion in the public streets and roads.

6. That the special use shall in all other respects conform to the applicable regulations of the district in which it is located, except as such regulations may in each instance be modified by the board of trustees pursuant to the recommendation of the zoning board of appeals.

(F) Conditions And Guaranties: Prior to the granting of any special use, the zoning board of appeals may recommend, and the board of trustees shall stipulate, such conditions and restrictions upon the establishment, location, construction, maintenance and operation of the special use as deemed necessary for the protection of the public interest and to secure compliance with the standards and requirements specified in subsection (E) of this section. In all cases in which special uses are granted, the board of trustees shall require such evidence and guaranties as it may deem necessary as proof that the conditions stipulated in connection therewith are being, and will be, complied with.

APPLICATION FOR A SPECIAL USE PERMIT

FOR THE PROPERTY LOCATED AT:

153 Algonquin Road
Barrington Hills, Illinois 60010

OWNER:

Anthony P. Dimucci

PROPERTY INDEX NUMBERS: **01-07-101-006-0000**
01-07-101-009-0000
01-07-101-011-0000

To: Zoning Board of Appeals Commissioners:

Mr. Daniel Wolfgram Chair
Mr. David Stieper
Mr. Richard Chambers
Mr. Jim Root
Ms. Jan Goss
Ms. Debra Buettner
Mr. Patrick Hennelly

Date: November 12, 2016

Subject:Request for Special Use Permit for the expansion of an artificial lake.

Pertinent Information:

Owners: Anthony P. Dimucci
153 Algonquin Road
Barrington Hills, Illinois 60010
Mailing Address:
285 West Dundee Road
Palatine, Illinois 60074

Names, Addresses and PIN Numbers of all Owners of Contiguous and Adjoining Properties:

Benjamin Lecompte III
152 Algonquin Road
Barrington Hills, IL 60010
Mailing Address:
350 Bateman Road
Barrington Hills, IL 60010
PIN No: 01-07-100-001-0000

David & Meg Noland
158 Algonquin Road
Barrington Hills, IL 60010
PIN No: 01-07-102-002-0000

ComEd Tax Department
157 Helm Road
Barrington Hills, IL 60010
Mailing Address:
3 Lincoln Center Floor 4
Oakbrook Terrrace, IL 60181
PIN No: 01-07-101-013-0000

Pat & Sharon Devereaux
155 Helm Road
Barrington Hills, IL 60010
PIN No: 01-07-101-012-0000

Neil Fern
157 Helm Road
Barrington Hills, IL 60010

PIN No: 01-07-101-010-0000

Hazhir Afzali
158 Helm Road
Barrington Hills, IL 60010
Mailing Address:
105 North Wolf Road
Prospect Heights, IL 60070

PIN No: 01-07-102-004-0000

The Spirit of Chicago
9 Roundstone Lane
Barrington Hills, IL 60010
Mailing Address:
PO Box 09117
Chicago, IL 60609

PIN No: 01-07-300-027-0000

George Panos
1 Roundstone Lane
Barrington Hills, IL 60010

PIN No: 01-07-300-019-0000

William Schierer
157 Helm Road
Barrington Hills, IL 60010

PIN No: 01-07-300-012-0000

Michael Drakert
157 Helm Road
Barrington Hills, IL 60010

PIN No: 01-07-300-016-0000

ComEd Tax Department
Mailing Address:
3 Lincoln Center Floor 4
Oakbrook Terrace, IL 60181

PIN No: 03-12-276-020-0000

Legal Description of Property:

PARCEL A:
THAT PART OF THE WEST HALF OF THE NORTHWEST QUARTER OF SECTION 7, TOWNSHIP 42 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: BEGINNING AT THE INTERSECTION OF THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 7 WITH THE SOUTH RIGHT OF WAY LINE OF ALGONQUIN ROAD (STATE ROUTE 62) AS NOW PLATTED AND RECORDED; THENCE SOUTHEASTERLY ALONG THE SOUTH RIGHT OF WAY LINE OF ALGONQUIN ROAD 1036.84 FEET; THENCE SOUTHWESTERLY AT RIGHT ANGLES TO THE LAST DESCRIBED COURSE 480.0 FEET; THENCE NORTHWESTERLY AND PARALLEL TO THE SOUTH RIGHT OF WAY LINE OF ALGONQUIN ROAD 802.0 FEET, MORE OR LESS, TO THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 7; THENCE NORTH ALONG THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 7 TO THE PLACE OF BEGINNING,

EXCEPTING THEREFROM THAT PART CONVEYED TO COMMONWEALTH EDISON COMPANY BY WARRANTY DEED RECORDED JUNE 19, 1962 AS DOCUMENT No. 18506398, ALL IN COOK COUNTY, ILLINOIS.
(PARCEL A = 435,418 SQ. FT. = 9.996 ACRES)

PARCEL B:
THAT PART OF THE NORTHWEST QUARTER OF SECTION 7, TOWNSHIP 42 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHWEST CORNER OF THE SAID NORTHWEST QUARTER; THENCE EASTWARD ALONG THE SOUTH LINE OF THE SAID NORTHWEST QUARTER, SOUTH 89 DEGREES 56 MINUTES 06 SECONDS EAST A DISTANCE OF 418.41 FEET TO THE POINT OF BEGINNING; THENCE NORTH 03 DEGREES 39 MINUTES 26 SECONDS WEST A DISTANCE OF 699.51 FEET; THENCE SOUTH 64 DEGREES 27 MINUTES 26 SECONDS EAST A DISTANCE OF 354.00 FEET; THENCE SOUTH 75 DEGREES 52 MINUTES 03 SECONDS EAST A DISTANCE OF 82.31 FEET; THENCE SOUTH 00 DEGREES 03 MINUTES 54 SECONDS WEST A DISTANCE OF 525.75 FEET TO A POINT ON THE SAID SOUTH LINE OF THE NORTHWEST QUARTER OF SECTION 7; THENCE WESTWARD ALONG THE SAID SOUTH LINE NORTH 89 DEGREES 56 MINUTES 06 SECONDS WEST A DISTANCE OF 354.00 FEET OT THE POINT OF BEGINNING, ALL IN COOK COUNTY, ILLINOIS.
(PARCEL B = 225,665 SQ. FT. = 5.181 ACRES)

PARCEL C:
THAT PART OF THE NORTHWEST QUARTER OF SECTION 7, TOWNSHIP 42 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHWEST CORNER OF THE SAID NORTHWEST QUARTER; THENCE EASTWARD ALONG THE SOUTH LINE OF THE SAID NORTHWEST QUARTER, SOUTH 89 DEGREES 56 MINUTES 06 SECONDS EAST A DISTANCE OF 418.41 FEET; THENCE NORTH 03 DEGREES 39 MINUTES 26 SECONDS WEST A DISTANCE OF 699.51 FEET; THENCE SOUTH 64 DEGREES 27 MINUTES 26 SECONDS EAST A DISTANCE OF 354.00 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 75 DEGREES 52 MINUTES 02 SECONDS EAST, 526.92 FEET; THENCE NORTH 25 DEGREES 29 MINUTES 07 SECONDS EAST, 375.76 FEET TO THE SOUTH RIGHT OF WAY LINE OF ALGONQUIN ROAD; THENCE NORTH 64 DEGREES 27 MINUTES 27 SECONDS WEST, ALONG SAID LINE OF ALGONQUIN ROAD, 516.50 FEET; THENCE SOUTH 25 DEGREES 29 MINUTES 56 SECONDS WEST, 480.00 FEET TO THE POINT OF BEGINNING, IN COOK COUNTY, ILLINOIS.

(PARCEL C = 221,019 SQ. FT. = 5.074 ACRES)

Specific Relief Requested:

Requesting a Special Use Permit for the construction use and maintenance of an artificial lake.

Summary of Existing Conditions:

The property is 20.25 acres and the existing pond is 0.94 acres at the 100-year flood elevation. We propose to expand the existing pond to an area of 1.69 acres at the 100-year flood elevation. The existing release rate and 100-year flood elevation will remain unchanged with this expansion.

Evidence Supporting the Need for the Special Use Permit: (Section 5-10-7E)

1. The existing Lake and the proposed expansion will not be detrimental or endanger the public health, safety, morals, comfort or general welfare.

2. The special use for the lake and the proposed expansion will not be injurious to the use and enjoyment of other property in the immediate vicinity for the purposes already permitted, nor substantially diminish and impair property values within the neighborhood.
3. The existing lake and the proposed expansion will not impede the normal and orderly development and improvement of surrounding property for uses permitted in the district.
4. The existing lake has adequate utilities, access roads and drainage.
5. The existing lake has been located and designed to provide ingress and egress and minimize traffic congestion in the public streets and roads.
6. The special use shall in all other respects conform to the applicable regulations of the district in which it is located, except as such regulations may in each instance be modified by the board of trustee pursuant to the recommendation of the zoning board of appeals.

Conclusion:

Granting the special use permit will allow the existing pond to be expanded. The existing 100-year flood elevation and release rate will be unchanged by the expansion.

All information contained within is true and correct to the best of our knowledge. This petition for the special use permit is respectfully submitted to the Barrington Hills Zoning Board of Appeals by:

Jason R. Doland, P.E., P.L.S.

Dated: November 12, 2016

Subscribed and Sworn to Before me this 12 day of Nov., 2016.

Notary Public

OFFICIAL SEAL
CORRINE L DOLAND
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES 03/26/2020

Village Clerk
Village of Barrington Hills
112 Algonquin Road
Barrington Hills, Illinois 60010

November 12, 2016

RE: Pond Expansion
Dimucci Residence
153 Algonquin Road
Barrington Hills, Illinois 60010

This letter will serve as my authorization to have Jason R. Doland of Doland Engineering, LLC submit the application for the Special Use Permit on my behalf.

Please feel free to contact me if you have any questions or need additional information from me.

Sincerely,

Anthony P. Dimucci

November 12, 2016

RE: Pond Expansion
DiMucci Property
153 Algonquin Road

Dear Neighbor:

We are notifying you of an expansion to our existing lake that will require a Special Use Permit from the Village of Barrington Hills. As part of the permit process we are required to notify our neighbors within 250 feet of our property line.

The expansion of the existing pond will increase the pond from 0.94 acres to 1.69 acres. The pond will be expanded to the north and east of the existing pond. The expansion will not change the existing 100-year release rate or the 100-year flood elevation.

The modifications to the existing pond will require us to obtain a Special Use Permit from the Village. The Barrington Hills Zoning Board of Appeals will conduct a public hearing on our request on Monday, December 12, 2016 at 7:30 pm at the Village Hall at 112 Algonquin Road. You are invited to attend that hearing and will be given an opportunity to present your questions or concerns. You may submit written comments regarding our request. Please address them to the Zoning Board of Appeals and provide us with a copy.

If you have any questions or would like to see a copy of the proposed plans they are available at the Village Hall for your review.

Sincerely,

Anthony P. DiMucci
153 Algonquin Road
Barrington Hills, Illinois 60010

7016 0910 0000 9580 3980

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Domestic Mail Only

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BARRINGTON, IL 60010

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☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.49
Total Postage and Fees	$6.59

0067 05

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FEB 2017

02/01/2017

Sent To: GEORGE L BACHNER
Street and Apt. No., or PO Box No.: 154 ALGONQUIN RD
City, State, ZIP+4®: BARRINGTON HILLS, IL 60010

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7016 0910 0000 9580 3997

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BARRINGTON, IL 60010

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Postage	$0.49
Total Postage and Fees	$6.59

0067 05

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FEB 2017

02/01/2017

Sent To: DAVID & MELT NOLAND
Street and Apt. No., or PO Box No.: 158 C ALGONQUIN RD
City, State, ZIP+4®: BARRINGTON HILLS, IL 60010

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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PROSPECT HEIGHTS, IL 60070

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☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.49
Total Postage and Fees	$6.59

0067 05

Postmark Here

FEB 2017

02/01/2017

Sent To: HAZHIR AFZALI
Street and Apt. No., or PO Box No.: 105 N WOLF ROAD
City, State, ZIP+4®: PROSPECT HTS, IL 60070

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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BARRINGTON, IL 60010

OFFICIAL USE

Certified Mail Fee	$3.35
Extra Services & Fees (check box, add fee as appropriate)	$2.75
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.49
Total Postage and Fees	$6.59

0067 05

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FEB 2017

02/01/2017

Sent To: PAT & SHARON DEVEREAUX
Street and Apt. No., or PO Box No.: 155 HELM RD
City, State, ZIP+4®: BARRINGTON HILLS, IL 60010

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7016 0910 0000 9580 3973

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Extra Services & Fees (check box, add fee as appropriate)	$2.75
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.49
Total Postage and Fees	$6.59

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FEB 2017

02/01/2017

Sent To: COMED TAX DEPT
Street and Apt. No., or PO Box No.: 3 LINCOLN CENTER FLR 4
City, State, ZIP+4®: OAKBROOK TER, IL 60181

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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Extra Services & Fees (check box, add fee as appropriate)	$2.75
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.49
Total Postage and Fees	$6.59

0067 05

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FEB 2017

02/01/2017

Sent To: NEIL FERN
Street and Apt. No., or PO Box No.: 157 K HELM
City, State, ZIP+4®: BARRINGTON HILLS, IL 60010

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☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.49
Total Postage and Fees	$6.59

USPS 0067 05 PALATINE IL 60037 FEB 2017 Postmark Here

02/01/2017

Sent To COMED TAX DEPT

Street and Apt. No., or PO Box No. 3 LINCOLN CENTER FLR 4

City, State, ZIP+4® OAKBROOK TER, IL 60181

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.49
Total Postage and Fees	$6.59

USPS 0067 05 PALATINE IL 60037 FEB 2017 Postmark Here

02/01/2017

Sent To WILLIAM SCHILLER

Street and Apt. No., or PO Box No. 157 E HELM RD

City, State, ZIP+4® BARRINGTON HILLS IL 60010

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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CHICAGO, IL 60609

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Certified Mail Fee	$3.35
Extra Services & Fees (check box, add fee as appropriate)	$2.75
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.49
Total Postage and Fees	$6.59

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02/01/2017

Sent To THE SPIRIT OF CHICAGO

Street and Apt. No., or PO Box No. PO BOX 09117

City, State, ZIP+4® CHICAGO IL 60609-0117

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7016 0910 0000 9580 4055

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BARRINGTON, IL 60010

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Certified Mail Fee	$3.35
Extra Services & Fees (check box, add fee as appropriate)	$2.75
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.49
Total Postage and Fees	$6.59

USPS 0067 05 PALATINE IL 60037 FEB 1 2017 Postmark Here

02/01/2017

Sent To GEORGE PANOS

Street and Apt. No., or PO Box No. 1 ROUNDSTONE LANE

City, State, ZIP+4® BARRINGTON HILLS IL 60010

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7016 0910 0000 9580 4062

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BARRINGTON, IL 60010

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☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.49
Total Postage and Fees	$6.59

USPS 0067 05 PALATINE IL 60037 FEB 2017 Postmark Here

02/01/2017

Sent To MICHAEL DRAKERT

Street and Apt. No., or PO Box No. 157D HELM RD

City, State, ZIP+4® BARRINGTON HILLS, IL 60010

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7016 0910 0000 9580 4086

ADDENDUM

February 6, 2017

RE: Pond Expansion
DiMucci Property
153 Algonquin Road

You were sent a prior notice of the modifications to the existing referenced pond that will require obtaining a Special Use Permit from the Village of Barrington Hills. The start time of that meeting was erroneously stated in that notice. The correct time for the public hearing is ***6:30 pm*** on Tuesday, February 21, 2017 at the Village Hall at 112 Algonquin Road.

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VILLA PARK, IL 60181

OFFICIAL USE

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Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$2.75
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.49
Total Postage and Fees	$6.59

PALATINE IL 60067 0067 05 FEB 6 2017 Postmark Here USPS 02/06/2017

Sent To: COMED TAX DEPT

Street and Apt. No., or PO Box No.: 3 LINCOLN CENTER FLR 4

City, State, ZIP+4®: OAKBROOK TER, IL 60181-4204

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☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.49
Total Postage and Fees	$6.59

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Sent To: WILLIAM SCHIERER

Street and Apt. No., or PO Box No.: 157 E HELM ROAD

City, State, ZIP+4®: BARRINGTON HILLS, IL 60010 8609

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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☐ Return Receipt (hardcopy)	$2.75
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.49
Total Postage and Fees	$6.59

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Sent To: DAVID & MEL NOLAND

Street and Apt. No., or PO Box No.: 158 S ALGONQUIN ROAD

City, State, ZIP+4®: BARRINGTON HILLS IL 60010-7269

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Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$2.75
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.49
Total Postage and Fees	$6.59

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Sent To: GEORGE L BACHNER

Street and Apt. No., or PO Box No.: 154 ALGONQUIN RD

City, State, ZIP+4®: BARRINGTON HILLS IL 60010-8604

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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BARRINGTON, IL 60010

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Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$2.75
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.49
Total Postage and Fees	$6.59

PALATINE IL 60067 0067 05 FEB 6 2017 Postmark Here USPS 02/06/2017

Sent To: MICHAEL DRAKERT

Street and Apt. No., or PO Box No.: 157 D HELM RD

City, State, ZIP+4®: BARRINGTON HILLS, IL 60010-9635

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7016 0910 0000 9579 0655

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BARRINGTON, IL 60010

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Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	$2.75
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.49
Total Postage and Fees	$6.59

PALATINE IL 60067 0067 05 FEB 6 2017 Postmark Here USPS 02/06/2017

Sent To: GEORGE PANOS

Street and Apt. No., or PO Box No.: 1 ROUNDSTONE LANE

City, State, ZIP+4®: BARRINGTON HILLS IL 60010 7044

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7016 0910 0000 9579 0594

7016 0910 0000 9579 0624

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BARRINGTON, IL 60010

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☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.49
Total Postage and Fees	$6.59

0067 05
PALATINE IL 60067 FEB 6 2017 USPS
Postmark Here
02/06/2017

Sent To: NEIL FERN
Street and Apt. No., or PO Box No.: 157 K HELM
City, State, ZIP+4®: BARRINGTON HILLS IL 60010 7634

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7016 0910 0000 9579 0617

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PROSPECT HEIGHTS, IL 60070

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Extra Services & Fees (check box, add fee as appropriate)	$2.75
☐ Return Receipt (hardcopy)	$0.00
☐ Return Receipt (electronic)	$0.00
☐ Certified Mail Restricted Delivery	$0.00
☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.49
Total Postage and Fees	$6.59

0067 05
PALATINE IL 60067 FEB 6 2017 USPS
Postmark Here
02/06/2017

Sent To: HAZHIR AFZALI
Street and Apt. No., or PO Box No.: 105 N WOLF ROAD
City, State, ZIP+4®: PROSPECT HTS IL 60070 1750

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7016 0910 0000 9579 0600

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CHICAGO, IL 60609

OFFICIAL USE

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Extra Services & Fees (check box, add fee as appropriate)	$2.75
☐ Return Receipt (hardcopy)	$0.00
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☐ Adult Signature Required	$0.00
☐ Adult Signature Restricted Delivery	$
Postage	$0.49
Total Postage and Fees	$6.59

0067 05
PALATINE IL 60067 FEB 6 2017 USPS
Postmark Here
02/06/2017

Sent To: THE SPIRIT OF CHICAGO
Street and Apt. No., or PO Box No.: PO BOX 09117
City, State, ZIP+4®: CHICAGO, IL 60609-0117

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7016 0910 0000 9579 0648

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VILLA PARK, IL 60181

OFFICIAL USE

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PALATINE IL 60067 FEB 6 2017 USPS
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Sent To: COMED TAX DEPT
Street and Apt. No., or PO Box No.: 3 LINCOLN CENTER FLR 4
City, State, ZIP+4®: OAKBROOK TER IL 60181 4004

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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0067 05
PALATINE IL 60067 FEB 6 2017 USPS
Postmark Here
02/06/2017

Sent To: PAT & SHARON DEVEREAUX
Street and Apt. No., or PO Box No.: 155 HELM ROAD
City, State, ZIP+4®: BARRINGTON HILLS IL 60010 7624

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions


VILLAGE OF BARRINGTON HILLS
NOTICE OF A PUBLIC HEARING
will be held at 6:30 PM
on Tues. Feb. 21, 2017
at
Barrington Hills Village Hall
112 Algonquin Road
Regarding a Special Use for the construction, use and maintenance of an artificial lake for this property
REIN's 01-07-101-006,
01-07-101-009 and
01-07-101-011
By Anthony P. DiMucci before the Zoning Board of Appeals (VBH Ord. 5-10-7)
Daniel Wolfgram
Chairman, ZBA
847-551-3000

SHEET 1 OF 2

POND IMPROVEMENTS AT DI MUCCI RESIDENCE BARRINGTON HILLS, IL

PARCEL A

TEMPORARY 12' WIDE CONSTRUCTION ENTRANCE

20 L.F. OF 12" CMP TEMPORARY CULVERT

TEMPORARY STOCKPILE AREA

EXISTING 12" CULVERT
INV.=891.1
EINV.=891.0

EX. FES
INV.=888.71

ALGONQUIN ROAD

ROCK RIP-RAP (6"-dia. ROCK MIN.)

PROPOSED POND OVERFLOW AT 893.7
28 L.F. WIDE STONE WEIR

BARN

RESIDENCE

WOOD DECK

CROSS SECTION A-A

PROPOSED
POND EXPANSION
N.W.L.=893.7
H.W.L.=894.3

S25°29'56"W
180.00'

EXISTING POND OVERFLOW AT 893.7

DENOTES EXISTING CONTOUR

DENOTES PROPOSED CONTOUR

DENOTES SILT FENCE

DENOTES PROPOSED 100 YR FLOOD ELEVATION

EXISTING
POND
N.W.L.=893.7
H.W.L.=894.3

353.99'

EXISTING POND WELL

82.31'

N75°52'02"W

DENOTES EXISTING 100 YR FLOOD ELEVATION

PARCEL B

PARCEL C

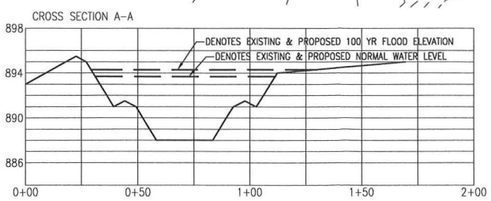
EX. FES
INV.=887.36

N
W E
S

SCALE: 1"=30'

NOTE:
ALL EXCESS FILL SHALL BE HAULED OFFSITE. NO FILL SHALL BE PLACED ONSITE BEYOND THAT WHICH IS SHOWN ON THIS PLAN.

CROSS SECTION A-A



DATE: 4/15/16
8/05/16
8/25/16
11/12/16

DOLAND ENGINEERING, LLC.
-CIVIL ENGINEERING ~ LAND SURVEYING ~ LAND PLANNING-
334 EAST COLFAX STREET, SUITE C
PALATINE, ILLINOIS 60067
(847) 991-5088 (847) 934-3427-FAX

LAKE COUNTY STORMWATER MANAGEMENT COMMISSION
SOIL EROSION AND SEDIMENT CONTROL CONSTRUCTION NOTES

A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.

B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:

- UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
- AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.

C. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.

D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.

F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.

G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.

H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURESAS APPROVED BY THE ENFORCEMENT OFFICER.

I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.

J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.

K. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.

L. IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.

M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.

N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.

VILLAGE OF BARRINGTON HILLS, ILLINOIS

SURVEY CONTROL RECOVERY FORM

PROJECT DATA: STATION: BH17

Project Name: Village of Barrington Hills — County:
Established By: MSE Corporation — Date of Establ.: September 1991

HORIZONTAL DATA : Established by Global Satellite Positioning
NORTH AMERICAN DATUM 1983

Geodetic Coordinates: Latitude 42° 8' 8.73425" Longitude 88° 13' 25.66089"

Geodetic Azimuth (from North): 179° 24' 7" Convergence: 0:04'24.558"
Azimuth is located south of State Road 62, 10 feet east of centerline line of Bateman Road and 20 feet south of the edge of pavement of State Road 62. Amizuth is 1966 feet from BH17.

State Plane Grid Coordinates (Illinois State Plane Coordinate System, East Zone)
Northing (in meters) 607187.474 Easting (in meters) 309055.818
Northing (in feet) 1992080.904 Easting (in feet) 1013960.630

VERTICAL DATA :
U.S NATIONAL OCEAN SURVEY DATUM 1929 MEAN SEA LEVEL ADJUSTMENT
Note: The elevation of this station was determined by differential spirit leveling to Third Order accuracies.

Elevation: 853.210 feet

MONUMENT DESCRIPTION :

Aluminum disk set flush in concrete located from intersection of S.R. 62 and Bateman Road, North 1.65 miles to monument, 3.5' west of edge of pavement of Bateman Road.

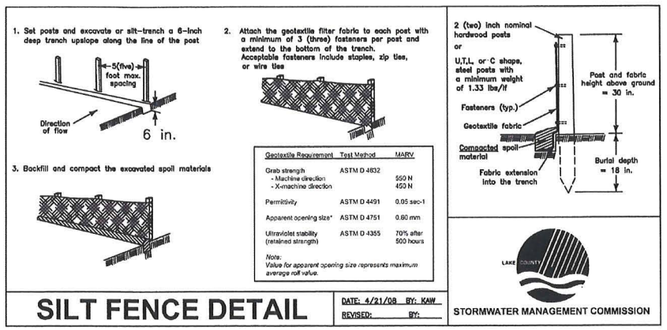
TO REACH:

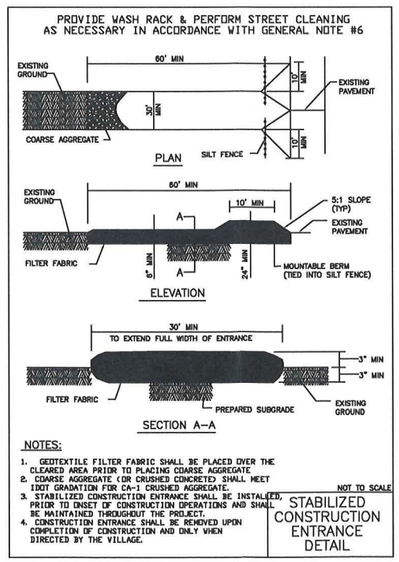
Starting from intersection of Main Street and Houghs Street in Barrington; West 4.7 miles; South 1.65 miles to intersection of Bateman Road and S.R. 62.

Section 7 Township 42N Range 9E

REFERENCES:

North Az	Distance	Reference Description
220°	10.7'	Sign
90°	3.5'	Edge of pavement
90°	35.3'	Sign
140°	55.2'	End of fence





DOLAND
ENGINEERING, LLC

November 12, 2016

Mr. Dan Strahan
Gewalt Hamilton Associates, Inc.
625 Forest Edge Drive
Vernon Hills, IL 60061

RE: 155 Algonquin Road

Dear Mr. Strahan,
We herewith submit 2 copies of the revised plans and supporting documents in request for a Zoning Board of Appeals Hearing for a Special Use Permit. This resubmittal is a result of discussions with the property owner, yourself and Bob Kosin over the past several months and the plans address your review comments dated 05/24/16 as follows:

1) We have included herewith the application of a special use hearing. We understand that we must mail out the notifications to the adjoining property owners at least 15 days in advance of the public hearing. We wish to be included on the December 12, 2016 public hearing so we will have the certified mailing performed prior to November 25 to be in excess of the 15 day requirement.
2) We have included the Village Benchmark noted on the plan sheet.
3) We have included herewith the drainage calculations to document the existing and proposed release rates will be the same.
4) We have added the 100-yr HWL as well as cross section as requested.
5) The soil borings have been completed and are included herewith. This project is proposing the expansion of an existing pond that is currently served by a water well to supplement loss of water due to evaporation. We have kept the excavation to a level that lies within an existing clay layer so that we can contain the water within this pond and not lose excessive waster to percolation into the underlying soils.
6) The current owner is not the builder of the home and they have no records of the septic field(s). We had previously graphically displayed a potential seepage field location but upon excavation in that area, we cannot find a septic field there. We will continue to investigate and perform minor hand excavation to determine the septic field limits but in the meantime we are curious if the Village has septic permit records from this house. That would inherently aid us in field location. In any event of the final septic location findings, we will commit to providing the necessary separations even if further pond re-configurations are necessary in final design. We recognize that any potential approval by the Zoning Board will be contingent upon the resolution of this item with the Village Engineer.
7) We have noted on the plan that all excess spoils will be hauled off-site. A temporary stockpile location has been depicted.
8) We have spoken with the Village Arborist and have committed that prior to permit submittal the owner will perform the tree inventory documentation and planning with a certified arborist. We recognize that any potential approval by the Zoning Board will be contingent upon the resolution of this item with the Village Forester.
9) 2

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10) We have added the SE/SC notes and some erosion control measures as requested. In the final design, I am certain that we will identify additional measures that we will wish to implement based on final geometry and design considerations.

Feel free to call me to discuss this matter further.

Sincerely,

Jason R. Doland, P.E., P.L.S.

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DOLAND
ENGINEERING, LLC

JOB Dimucci Pond Expansion
SHEET NO. 1 OF
CALCULATED BY DDD DATE
CHECKED BY DATE
SCALE

EXISTING TRIBUTARY FLOW 100YR.

EXISTING FLOW RATE TO SITE

TOTAL AREA TRIBUTARY TO SITE = 15.7 AC.

TRAVEL LENGTH = 1000 L.F.

t_c = 21 min

i_{100} = 7.31 in/hr

c = 0.4

$Q = ciA$

$= (0.4)(7.31)(15.7)$

$Q = 45.9$ cfs

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DOLAND ENGINEERING, LLC

JOB Dimucci Pond Expansion
SHEET NO. 2 OF 2
CALCULATED BY DDO DATE
CHECKED BY DATE
SCALE

EXISTING RELEASE RATE (100YR)
PROPOSED RELEASE RATE

$Q_{EX\ TRIBUTARY}$ = 45.9 cfs

slope = 0.008 n = 0.10

$$Q = a\frac{1.486}{n} R^{2/3} S^{1/2}$$

Q (cfs)	Elevation	Area (SQ FT)	P (FT)	A/P R (FT)
~~15.97~~	894	25	75	0.333
34.60	894.2	41	81	0.506
46.65	894.3	50	85	0.588
103.45	895.0	115	104	1.106

100 YR ELEVATION 894.3

PROPOSED RELEASE RATE
USING WEIR TABLE BASED ON BAZINS FORMULA
(894.3 - 893.7)

FOR FLOW OF 0.6' OVER WEIR 1.62 cfs / 1' width

width of weir = $\frac{45.9}{1.62'}$ = 28.3' wide weir

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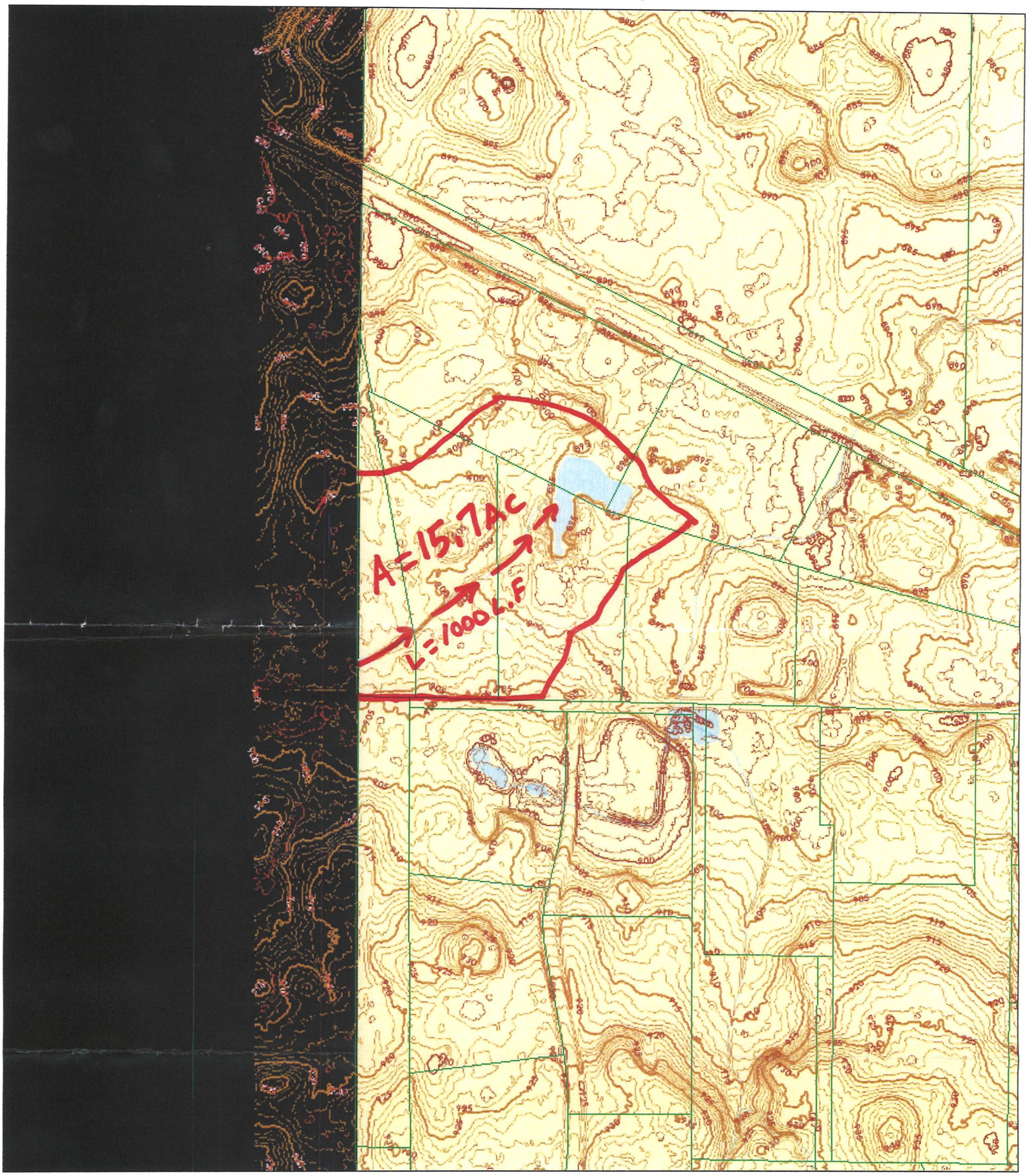
Cook County CookViewer Output



1:8000

CookViewer
Cook County's Map Application

SOIL AND MATERIAL CONSULTANTS, INC.

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www.soilandmaterialconsultants.com
us@soilandmaterialconsultants.com

May 24, 2016
File No. 22668

Mr. Jason Doland
Doland Engineering, LLC
334 E. Colfax Street, Suite C
Palatine, IL 60067

Re: Geotechnical Investigation
Dimucci Property
Barrington Hills, Illinois

Dear Mr. Doland:

The following is our report of findings for the geotechnical investigation completed at the above referenced site located in the Village of Barrington Hills, Illinois.

The investigation was requested to determine current subsurface soil and water conditions at select boring locations. The findings of the field investigation and the results of laboratory testing are intended to assist in the planning, design and construction of proposed site improvements. We understand that it is proposed to enlarge the existing pond and possibly construct a future building supported on shallow depth foundations.

SCOPE OF THE INVESTIGATION

The field investigation included obtaining 4 borings at the locations requested and as indicated on the enclosed location sketch. The boring locations were established using field taping methods and accuracy. Surface elevations were estimated to the nearest 0.5 ft. using data presented on the topographic survey.

We auger drilled the borings to depths of 20.0 feet below existing surface elevations. Soil samples were obtained using a split barrel sampler advanced utilizing an automatic SPT hammer. Soil profiles were determined in the field and soil samples returned to our laboratory for additional testing including determination of moisture content. Cohesive soils obtained by split barrel sampling were tested further to determine dry unit weight and unconfined compressive strength.

The results of all field determinations and laboratory testing are included in summary with this report.

RESULTS OF THE INVESTIGATION

Enclosed are boring logs indicating the soil conditions encountered at each location. Site surface conditions include vegetation and topsoil. The topsoil is classified as dark brown silt/clay mixtures with traces of roots.

Underlying soil conditions include the presence of a thin seam of cohesive soils overlying non-cohesive soils. The cohesive soils are classified as tough clay/silt mixtures with lesser portions of sand and gravel. The non-cohesive soils include very loose to very dense sand/silt, silt, sand/gravel, sand/silt/gravel, and silt/clay mixtures. The non-cohesive granular soils are often in a very damp to saturated condition. Cobbles and boulders may be present within the site soils at any elevation, although none were encountered while drilling.

The following table summarizes depth ranges below existing grade, the magnitude of soil strength within these ranges and other information:

Boring	Surface Elevation (feet)	Depth Range Below Existing Surface (feet)	Soil Strength (lbs./sq.ft.)	Recorded Water Levels, W.D./A.D. (feet)
1	893.0	1.0 to 7.0	1,500	3.5/2.5
		7.0 to 9.0	2,000	889.5 890.5
		9.0 to 13.0	4,000	
		13.0 to 17.0	8,000	
2	894.0	1.0 to 3.0	2,000	8.0/5.0
		3.0 to 14.0	4,000	886.0 889.0
		14.0 to 17.0	5,000	
3	891.5	1.5 to 9.5	*1,000	4.0/4.0
		9.5 to 12.0	3,000	
		12.0 to 15.0	4,000	887.5
		15.0 to 17.0	5,000	
4	891.0	1.5 to 4.0	*1,000	5.5/5.5
		4.0 to 8.5	*500	
		8.5 to 14.0	*1,000	885.5
		14.0 to 17.0	3,000	

* Not recommended for support of foundations.

It is expected that foundations can be supported on undisturbed natural soils located at any elevation within the depth ranges indicated in the above table, except as noted at borings B-3 and B-4. Above these depth ranges the soils are not considered able to support foundations, even at reduced design bearing values, due to long-term settlement considerations.

SUBSURFACE WATER

The boring logs and the above table indicate the depth at which subsurface water was encountered in the bore holes at the time of the drilling operations and during the period of these readings. It is expected that fluctuations from the water levels recorded will occur over a period of time due to variations in rainfall, temperature, subsurface soil conditions, soil permeability and other factors not evident at the time of the water level measurements.

FOUNDATIONS

Based on the results of this investigation it is our opinion that continuous and isolated footing foundations may be considered for support of building loads. These foundations can be supported on undisturbed natural soils located below all topsoil, peat, organic silt, debris, unsuitable fill soils, low strength soils and other unsuitable conditions which may be encountered. Soil strength values and the depths at which they are expected to be encountered at these boring locations are indicated in the above table. A net allowable bearing value of 2,000 lbs./sq.ft. is available for design. This value can be used to size foundations for support of structure dead and live loads. Increased bearing values may be available at some locations and elevations. The feasibility of using a higher value is best determined after our review of proposed foundation details and elevations.

All exterior building foundations should extend at least 42.0 inches below exposed surface elevations to provide adequate protection against uplift due to freezing of the supporting soils. Foundations for unprotected improvements should extend at least 48.0 inches below exposed surface elevations. We recommend providing adequate reinforcing steel in foundation walls and piers to minimize the effects of long-term differential settlement.

Weak soil conditions may be discovered locally at design foundation elevations and may require extending the foundation to a deeper elevation. Alternately, removal of the weak soil followed by replacement with properly compacted coarse crushed granular fill (CA01) may be feasible. When removal is approved by the Soil Engineer, the removal of the weak soil should also extend beyond the face of footings and/or piers to a distance at least equal to the depth of fill that will be present beneath the footings and/or piers. A capping layer of finer crushed granular fill (CA06) can be utilized to establish a working surface.

If silts and sands are present in the sidewalls of any undercuts a woven geotextile filter fabric should be placed at the bottom of the undercut and extended up the sidewalls of the undercut prior to the placement of the coarse crushed granular fill. The filter fabric will create a barrier preventing the silts and sands from migrating into the voids of the crushed granular fill. If the fabric is not placed the migration of the silts and sands could result in settlement of surrounding areas.

Foundations can be constructed at shallower depths than those indicated in the above table by preparation of the building pad in advance of foundation excavation. This can be accomplished during site grading by the full-depth removal of unsuitable and low strength soils followed by replacement with properly compacted structural fill. Removal should be accomplished over the entire building pad as needed to provide the supplemental benefit of adequate support of interior slabs. Variations in the depth of removal can be anticipated due to naturally changing soil conditions. The removal should extend beyond the face of perimeter footings to a distance at least equal to the depth of fill that will be present beneath the perimeter footings. Preparation of supporting soils should be in accordance with our recommendations for Subgrade Soil Preparation.

FLOOR SLABS

Floor slabs planned for support on the existing soil conditions are expected to undergo some degree of long-term settlement as the soils consolidate under loading and as they shrink due to desiccation. Slabs may be considered for support on suitable natural soils or on properly placed and compacted fill soils. This is feasible when the soils supporting the slabs are prepared in accordance with the recommendations for Subgrade Soil Preparation. These include the removal of topsoil as well as removal or aeration of underlying high moisture content soils.

DEWATERING

Shallow excavations may require dewatering due to subsurface water seepage and/or surface precipitation. This water can likely be removed to depths of several feet by standard sump and pump operations. Soils exposed at foundation, slab or undercut elevations should not be permitted to become saturated. Loss of bearing strength and stability may occur, requiring additional soil excavation.

Aggressive dewatering efforts may be necessary for deeper excavations extending to saturated sand and sand/gravel soils. Well-points or deep sumps can be utilized to collect the water for pumping in an effort to lower the water level below the bottom elevation of proposed excavations. The dewatering should be accomplished prior to soil excavation when possible.

Organic soils, non-cohesive soils and others can be unstable when saturated. These soils tend to cave or run when submerged or disturbed. The stability of exposed embankments is minimal to non-existent as confining soil pressures are removed. Proper drainage within excavations is necessary at all times, particularly when excavations extend below anticipated water levels and below saturated soils.

The contractor should be made responsible for designing and constructing stable temporary excavations. Also, the contractor should shore, slope, bench or restrain the sides of the excavations as required to maintain stability of both the excavation sides and bottom. In no case, should the slope, slope heights, or excavation depth exceed those in the local, state, and federal safety regulations.

Permanent dewatering of basement, crawl space and other below grade areas is necessary. The dewatering system should include the provision for peripheral drain tile adjacent to the footings of foundation walls exposed to the interior of the building. Drain tile runs should also be provided below basement floor slabs. We recommend damp-proofing or possibly water-proofing exterior foundation walls exposed to the interior of the building. Water stop may be necessary in concrete cold joints such as the footing/wall interface.

The presence of saturated sand and sand/gravel soils at or near basement foundation elevations is expected to result in significant volumes of water being continually channeled to the drainage system. Water removal will likely be required on a frequent basis. This condition

is often undesirable and can be minimized by locating the basement footings at least 2.5 feet above anticipated long-term water levels.

SUBGRADE SOIL PREPARATION

Subgrade soil preparation should be accomplished where needed within the building area prior to excavation for foundations. The procedure in all areas of subgrade supported improvements should include the removal of unsuitable surface conditions including vegetation, topsoil, unsuitable fill soils, significant debris, weak or unstable soils, and other deleterious conditions which may be encountered. Above grade areas should be cut to design subgrade elevations. Exposed subgrade soils should be leveled, compacted and proof-rolled in the presence of the Soil Engineer.

Proof-rolling may reveal areas of unstable soil conditions. Discing and aeration of high moisture content soils can be effective to depths of up to 1.0 foot, depending upon the equipment utilized. Removal of unstable soils may be necessary if high moisture content conditions extend to depths greater than the effective depth of discing. If the depth of undercut appears to be significant, it may be economical to limit the depth of undercut to that needed to establish adequate support of slabs and remediate weak soil conditions at foundation elevations at the time of foundation construction.

Soft or unstable soil conditions in pavement areas can often be bridged by use of an effective depth of crushed granular material. The placement of the crushed granular bridging material, possibly in conjunction with the use of an appropriate geotextile fabric, should only proceed after review of the proof-roll conditions by the Soil Engineer. Long-term settlement of pavement surfaces may occur locally as the bridged soils desiccate.

Structural fill can be placed on soils prepared to the satisfaction of the Soil Engineer. The fill should be placed in lifts not to exceed 8.0 inches when uncompacted. Each lift should exceed minimum compaction requirements prior to placement of the next lift. We recommend a minimum of 95% compaction based on the modified Proctor test, ASTM D-1557, be achieved within building areas. A minimum of 90% compaction should be achieved beneath exterior improvements such as pavements and sidewalks. Compaction requirements also apply to backfill placement around foundations and within trench excavations located below subgrade supported improvements.

FILL SOURCES

The onsite non-organic soils are generally suitable for reuse as fill. Offsite sources may also be used provided they are approved in advance by the Soil Engineer. Aeration may be necessary to reduce soil moisture content prior to compaction. Soil borrowed from near the surface where seasonal fluctuations in soil moisture content occur may require particular attention. The moisture content of fill soils should be within approximately 3.0% of optimum moisture content as determined by the modified Proctor test for the soils to meet or exceed minimum compaction requirements.

CONCLUSION

The information within this report is intended to provide initial information concerning subsurface soil and water conditions on the site. Variations in subsurface conditions are expected to be present between boring locations due to naturally changing soil conditions.

Our understanding of the proposed improvements is based on limited information available to us at the writing of this report. The findings of the investigation and the recommendations presented are not considered applicable to significant changes in the scope of the improvements or applicable to alternate site uses. We recommend that proposed foundation, pavement and grading plans be reviewed by our office to determine if additional considerations are necessary to address anticipated subsurface conditions. Obtaining additional soil borings may be warranted to further define the depth and limits of restrictive subsurface conditions.

The soils exposed in soil undercut areas should be evaluated for suitability prior to placement of structural fill, as previously indicated in this report. Soils and aggregates placed as structural fill should be tested as the work progresses to verify that minimum compaction requirements have been met. We recommend that soil conditions encountered at foundation elevations be tested to verify the presence of design soil strength prior to concrete placement.

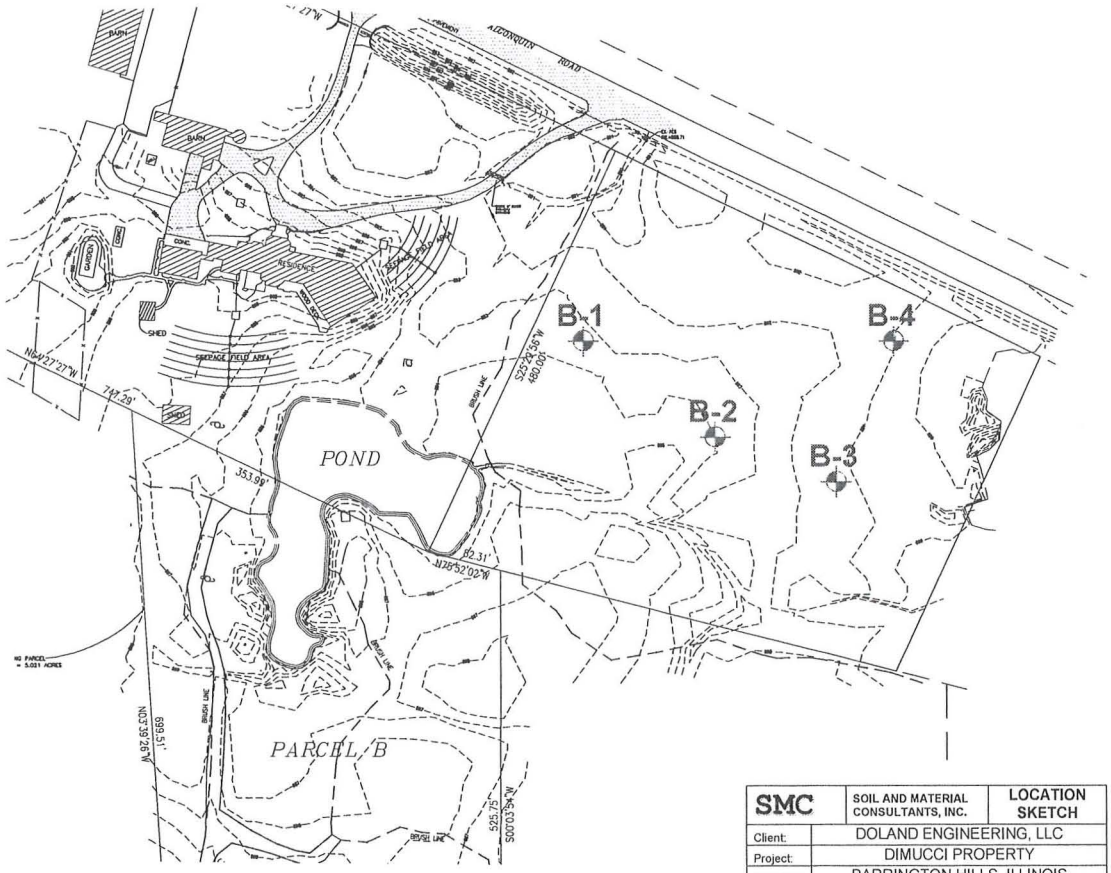
If you have any questions concerning the findings or recommendations presented in this report, please let me know.

Very truly yours,

SOIL AND MATERIAL CONSULTANTS, INC.

Thomas P. Johnson, P.E.
President

TPJ:ek
Enc.



SMC	SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	DOLAND ENGINEERING, LLC	
Project:	DIMUCCI PROPERTY	
Location:	BARRINGTON HILLS, ILLINOIS	
File No. 22668	Date: 05-18-16	Scale: 1" ≈ 100'

N

SOIL AND MATERIAL CONSULTANTS, INC.
Arlington Heights, Illinois (847) 870-0544

SOIL BORING LOG 1

Logged By: DA **Page:** 1 of 1

Client: Doland Engineering, LLC **File No.** 22668 **Date Drilled:** 5/18/16

Reference: Dimucci Property
Barrington Hills, IL

Comments:

Equipment: ☒ CME 45B ☐ CME 55 ☐ Hand Auger ☐ Other

depth, ft.	CLASSIFICATION Elevation 893.0' Existing Surface	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. ɣ	unconfined compressive strength ○
	(a) see below		40.9		
	Brown clay, some silt, trace sand, damp, tough	5	28.1	89.3	1.9
5	Brown sand & silt, trace gravel, very damp-saturated, loose	5	10.9		
		9	16.5		
10	Brown silt, trace fine sand, damp-very damp medium dense	13	20.2		
	(b) see below	24	10.4		
15	Brown fine-medium sand & gravel, some coarse sand, very damp, very dense	50+	10.1		
	Brown sand & silt, some gravel, damp, dense				
20		43	8.8		
	End of Boring				
	(a) Dark brown silt, some clay, trace sand & roots, very damp (topsoil) - 10.0"				
25	(b) Brown fine sand & gravel, some medium-coarse sand, trace silt, very damp, medium dense				
30					
35					
40					

○ unconfined compressive strength, tons/sq.ft.
● penetrometer reading, tons/sq.ft.
1.0 2.0 3.0 4.0

× standard penetration "N", blows/ft.
△ moisture content, %
10 20 30 40

Water encountered at 3.5 feet during drilling operations (W.D.).
Water recorded at 2.5 feet on completion of drilling operations (A.D.).
Water recorded at ____ feet ____ hours after completion of drilling operations (A.D.).

G-303

SOIL AND MATERIAL CONSULTANTS, INC.
Arlington Heights, Illinois (847) 870-0544

SOIL BORING LOG 2

Logged By: DA Page: 1 of 1

Client: Doland Engineering, LLC

File No. 22668 **Date Drilled:** 5/18/16

Reference: Dimucci Property
Barrington Hills, Illinois

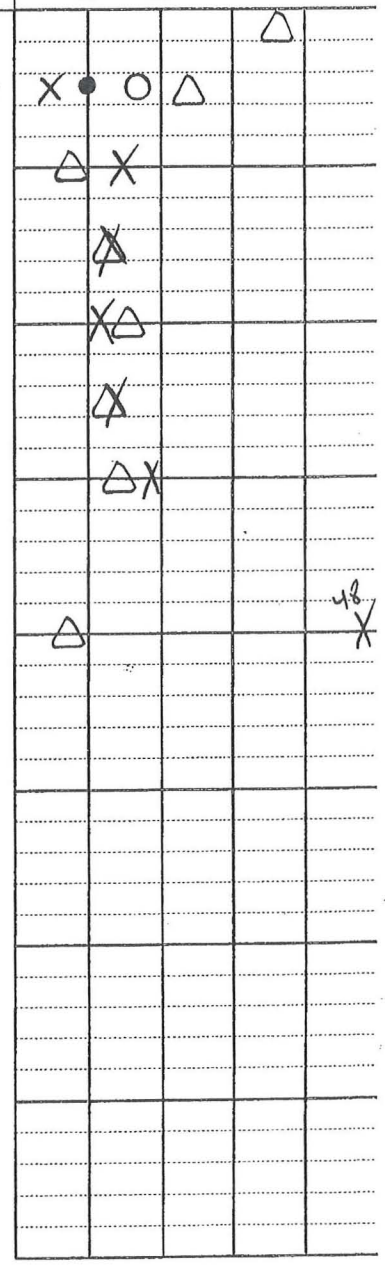
Comments:

Equipment: ☒ CME 45B ☐ CME 55 ☐ Hand Auger ☐ Other

depth, ft.	CLASSIFICATION Elevation 894.0' Existing Surface	standard penetration ×	moisture content Δ	dry unit weight lbs./cu.ft. ɣ	unconfined compressive strength ○
	(a) see below		37.0		
	Brown clay, some silt, trace sand, damp-very damp, tough	5	23.5	94.5	1.7
5	Brown sand & silt, some gravel, damp-very damp, medium dense	15	9.3		
		13	11.8		
10	Brown silt, some clay, trace sand & gravel, damp-very damp, medium dense	12	14.7		
		14	11.5		
15		18	13.7		
	Brown fine sand & gravel, some medium-coarse sand, trace silt, very damp, dense				
20		48	8.2		
	End of Boring				
	(a) Dark brown silt, some clay, trace sand & roots, very damp (topsoil) - 8.0"				
25					
30					
35					
40					

○ unconfined compressive strength, tons/sq.ft.
● penetrometer reading, tons/sq.ft.
1.0 2.0 3.0 4.0

× standard penetration "N", blows/ft.
Δ moisture content, %
10 20 30 40



Water encountered at 8.0 feet during drilling operations (W.D.).
Water recorded at 5.0 feet on completion of drilling operations (A.D.).
Water recorded at feet hours after completion of drilling operations (A.D.).

G-303

SOIL AND MATERIAL CONSULTANTS, INC.
Arlington Heights, Illinois (847) 870-0544

SOIL BORING LOG 3

Logged By: DA Page: 1 of 1

Client: Doland Engineering, LLC

File No. 22668 **Date Drilled:** 5/18/16

Reference: Dimucci Property
Barrington Hills, IL

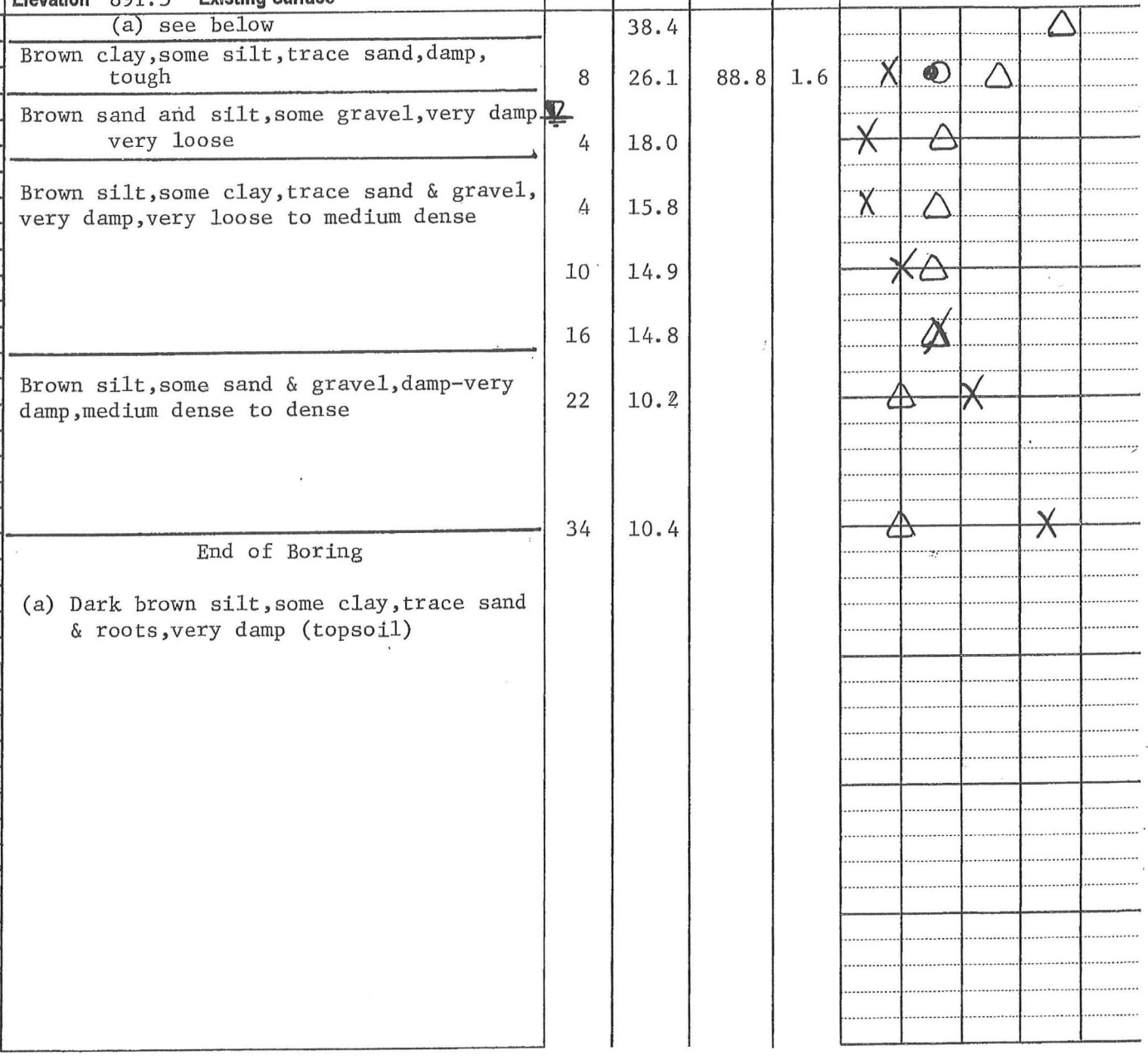
Comments:

Equipment: ☒ CME 45B ☐ CME 55 ☐ Hand Auger ☐ Other

depth, ft.	CLASSIFICATION Elevation 891.5' Existing Surface	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. ɣ	unconfined compressive strength ○
	(a) see below		38.4		
	Brown clay,some silt,trace sand,damp, tough	8	26.1	88.8	1.6
5	Brown sand and silt,some gravel,very damp very loose	4	18.0		
	Brown silt,some clay,trace sand & gravel, very damp,very loose to medium dense	4	15.8		
10		10	14.9		
		16	14.8		
15	Brown silt,some sand & gravel,damp-very damp,medium dense to dense	22	10.2		
20	End of Boring	34	10.4		
	(a) Dark brown silt,some clay,trace sand & roots,very damp (topsoil)				
25					
30					
35					
40					

○ unconfined compressive strength, tons/sq.ft.
● penetrometer reading, tons/sq.ft.
1.0 2.0 3.0 4.0

× standard penetration "N", blows/ft.
△ moisture content, %
10 20 30 40



Water encountered at 4.0 feet during drilling operations (W.D.).
Water recorded at 4.0 feet on completion of drilling operations (A.D.).
Water recorded at feet hours after completion of drilling operations (A.D.).

G-303

SOIL AND MATERIAL CONSULTANTS, INC.

Arlington Heights, Illinois (847) 870-0544

SOIL BORING LOG 4

Logged By: DA **Page:** 1 of 1

Client: Doland Engineering, LLC **File No.** 22668 **Date Drilled:** 5/18/16

Reference: Dimucci Property
Barrington Hills, IL

Comments:

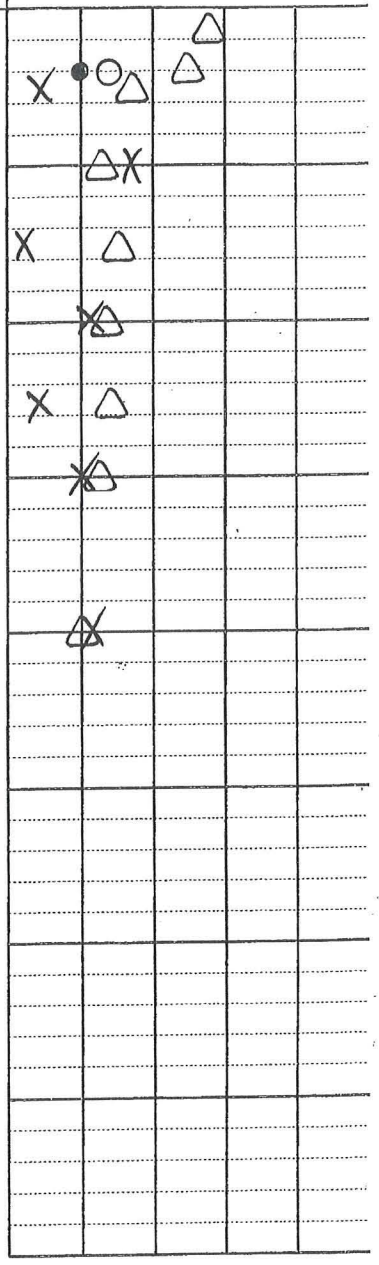
Equipment: ☒ CME 45B ☐ CME 55 ☐ Hand Auger ☐ Other

Elevation 891.0' **Existing Surface**

depth, ft.	CLASSIFICATION	standard penetration (X)	moisture content (Δ)	dry unit weight lbs./cu.ft. (ɣ)	unconfined compressive strength (O)
	(a) see below		29.0		
	(b) see below		23.8	96.5	1.4
	Brown sand & silt, some gravel, very damp, very loose to loose	4	18.1		
5		7	11.6		
	Brown silt, some clay, trace sand & gravel, very damp, very loose	3	14.8		
	Brown sand & silt, some gravel, very damp, medium dense	11	12.5		
10					
	Brown fine sand, trace medium-coarse sand, gravel & silt, very damp-saturated, very loose to medium dense	4	14.0		
15		10	11.7		
20		12	10.0		
	End of Boring				
	(a) Dark brown silt, some clay, trace sand & roots, very damp (topsoil)				
25	(b) Brown clay, some silt, trace sand, very damp, tough				
30					
35					
40					

○ unconfined compressive strength, tons/sq.ft.
● penetrometer reading, tons/sq.ft.
1.0 2.0 3.0 4.0

× standard penetration "N", blows/ft.
Δ moisture content, %
10 20 30 40



Water encountered at 5.5 feet during drilling operations (W.D.).
Water recorded at 5.5 feet on completion of drilling operations (A.D.).
Water recorded at ____ feet ____ hours after completion of drilling operations (A.D.).

G-303

SOIL AND MATERIAL CONSULTANTS, INC.

General Notes

SAMPLE CLASSIFICATION

Soil sample classification is based on the Unified Soil Classification System, the Standard Practice for Description and Identification of Soils (Visual-Manual Procedure), ASTM D-2488, the Standard Test Method for Classification of Soils for Engineering Purposes, ASTM D-2487(when applicable), and the modifiers noted below.

CONSISTENCY OF COHESIVE SOILS

Term	Qu -tons/sq. ft.	N (unreliable)
Very Soft	0.00 - 0.25	0 - 2
Soft	0.26 - 0.49	3 - 4
Stiff	0.50 - 0.99	5 - 8
Tough	1.00 - 1.99	9 - 15
Very Tough	2.00 - 3.99	16 - 30
Hard	4.00 - 7.99	30 +
Very Hard	8.00 +	

RELATIVE DENSITY OF GRANULAR SOILS

Term	N - blows/foot
Very Loose	0 - 4
Loose	5 - 9
Medium Dense	10 - 29
Dense	30 - 49
Very Dense	50 +

IDENTIFICATION AND TERMINOLOGY

Term		Size Range
Boulder		over 8 in.
Cobble		3 in. to 8 in.
Gravel	-coarse	1 in. to 3 in.
	-medium	3/8 in. to 1 in.
	-fine	#4 sieve to 3/8 in.
Sand	-coarse	#10 sieve to #4 sieve
	-medium	#40 sieve to #10 sieve
	-fine	#200 sieve to #40 sieve
Silt		0.002 mm to #200 sieve
Clay		smaller than 0.002 mm

Modifying Term	Percent by Weight
Trace	1 - 10
Little	11 - 20
Some	21 - 35
And	36 - 50

Moisture Condition

Dry
Damp
Very Damp
Saturated

DRILLING, SAMPLING & SOIL PROPERTY SYMBOLS

CF - Continuous Flight Auger
HS - Hollow Stem Auger
HA - Hand Auger
RD - Rotary Drilling
AX - Rock Core, 1-3/16 in. diameter
BX - Rock Core, 1-5/8 in. diameter
NX - Rock Core, 2-1/8 in. diameter
S - Sample Number
T - Type of Sample
J - Jar
AS - Auger Sample
SS - Split-spoon (2 in. O.D. with 1-3/8 in. I.D.)
ST - Shelby Tube (2 in. O.D. with 1-7/8 in. I.D.)
R - Recovery Length, in.
B - Blows/ 6 in. interval, Standard Penetration Test (SPT)
N - Blows/ foot to drive 2 in. O.D. split-spoon sampler with 140 lb. hammer falling 30 in., (STP)
Pen. - Pocket Penetrometer reading, tons/ sq. ft.
W - Water Content, % of dry weight
Uw - Dry Unit Weight of soil, lbs./ cu. ft.
Qu - Unconfined Compressive Strength, tons/ sq. ft.
Str - % Strain at Qu.
WL - Water Level
WD - While Drilling
AD - After Drilling
DCI - Dry Cave-in
WCI - Wet Cave-in
LL - Liquid Limit, %
PL - Plastic limit, %
PI - Plasticity Index (LL-PL)
LI - Liquidity Index [(W-PL)/PI]

WATERSHED DEVELOPMENT PERMIT APPLICATION

Revised 10/2012

Office Use	1. COMMUNITY AND STATUS	2. Map Number *(office use only)*	3. STORMWATER APP. PERMIT #	4. COMMUNITY APP. NO. *(to be assigned by Community)*
	☐ Standard: ☐ Conditional ☐ Certified ☐ Non-Certified; ☐ Isolated Wetlands: ☐ Conditional ☐ Certified ☐ Non-Certified		____--____-____	____

5. NAME & ADDRESS OF PROPERTY OWNER

Anthony DiMucci
135 Algonquin Road
Barrington Hills, IL 60010

Daytime Phone: 847-991-4400
Fax:
Email: tdimucci@aol.com

6. NAME & ADDRESS OF ENGINEER/AGENT

Jaon Doland
Doland Engineering, LLC
334 E. Colfax Street, Suite C
Palatine, IL 60067

Daytime Phone: 847-991-5088
Fax:
Email: jdoland@dolandengineering.com

7. NAME & ADDRESS OF CERT. WETLAND SPECIALIST

n/a

Daytime Phone:
Fax:
Email:

8A. CHECK THE *ONE* CONDITION THAT APPLIES:

- ☐ Exempt, Watershed Development Permit Not Required (IV.A.2)
- ■ Minor Development (IV.A., IV.B.)
- ☐ Major Development Outside the Floodplain (IV.A., IV.B., IV.D., IV.G.)
- ☐ Major Development Inside the Floodplain (IV.A., IV.B., IV.C., IV.D., IV.G.)
- ☐ Public Road Development (IV.A., IV.F.)
- ☐ Public Development in the Floodplain (Appendix E.J.2.)
- ☐ Existing Conditions BFE Only (no development)
- ☐ Soil Erosion and Sediment Control Review Only

8B. CHECK *ALL* CONDITIONS THAT APPLY:

- ☐ Isolated Wetland Impact (IV.E.)
- ☐ Request Letter of No Wetland Impact (LONI) (IV.E.)
- ☐ Development in a Floodway (IV.C.3.)
- ☐ Floodplain Map Revision or Amendment (IV.C.2.g.; IV.C.3.d.(8))
- ☐ Watercourse w/Drainage Area >20 Acres and <100 Acres (IV.A., IV.D.)
- ☐ Watercourse w/Drainage Area >100 Acres and <640 Acres (IV.A., IV.D.)
- ☐ Earth Change Approval (ECA) (IV.A.4.b.)
- ☐ Variance Request (V.)
- ☐ BFE or Floodway Determination (IV.C.)
- ☐ Designated Erosion Control Inspector (DECI Required)
- ☐ Pre-application Meeting Held ____
- ☑ Hydrologically Disturbs 5000 sq. ft. or More

9A. STORMWATER DATA SUMMARY

			Unit
Total Property Ownership	=	20.25	Acres
Hydrologic Disturbance	=	1.3	Acres
Watershed Area Tributary to Development	=	15	Acres
Proposed Impervious Area	=	0	Acres
Existing Impervious Area Pre-1992	=	0	Acres
Existing Impervious Area Post-1992	=	0	Acres
Detention Volume Required	=	0	Acre-ft.
Compensatory Storage Required	=	0	Acre-ft.
Depressional	=	0	Acre-ft.
Riverine 0- to 10-Year	=	0	Acre-ft.
Riverine 10- to 100-Year	=	0	Acre-ft.

9B. WETLAND DATA SUMMARY

Existing Wetland Acreage			=	
Waters of the U.S.	=			
Isolated Waters of Lake County	=			
Impacted Wetland Acreage			=	
Waters of the U.S.	=			
Isolated Waters of Lake County	=			
Mitigation Replacement Ratio			=	
Mitigation Acreage Required			=	
Waters of the U.S.	=			
Isolated Waters of Lake County	=			
On-Site			=	
Off-Site			=	
Mitigation Bank			=	
SMC Wetland Restoration Fund			=	

9C. Check box if State (IL) funds are being used for this development. ☐

9D. Check box if this is a project being funded in part/in whole by an SMC grant? ☐

10A. DESCRIPTION OF DEVELOPMENT Expansion of existing pond

10B. NAME OF DEVELOPMENT

DiMucci Pond Expansion

10C. SINGLE FAMILY HOME ONLY

Estimated future home value:

10D. LOCATION OF DEVELOPMENT

Street Address: 155 Algonquin Road

Municipality: Barrington Hills, IL 60010

Fox River (Watershed) — Spring Creek (Sub-Watershed)

11. LEGAL DESCRIPTION

NW (¼ Section) — 7 (Section) — 42 (Township) — 9 (Range)

PIN: 01-07-101-006; 01-07-101-011; 01-07-101-009

(If more than three PIN exists for the project, please include on a separate attachment)

42.134592 (Latitude) — -88.235337 (Longitude)

12. LIST ALL LOCAL, STATE, AND FEDERAL PERMIT APPLICATION, OR APPROVAL LETTERS REQUIRED FOR DEVELOPMENT

Permit Type	Issuing Agency	Permit Number	Application Filing Date	Permit Issue Date
Site grading	Village of Barrington Hills			

13A. UNDER PENALTY OF INTENTIONAL MISREPRESENTATION AND/OR PERJURY, I declare that I have examined and/or made this application and it is true and correct to the best of my knowledge and belief. I agree to construct said development in compliance with the permitted documents. I realize that the information that I have affirmed hereon forms a basis for the issuance of the Watershed Development Permit(s) herein applied for and approval of plans in connection therewith shall not be construed to permit any construction upon said premises or use thereof in violation of any provision of any applicable ordinance or to excuse the owner or his successors in title from complying therewith.

Signature of Property Owner, or Authorized Agent — 11/18/16 (Date)

13B. I CERTIFY that the plans/documents submitted for the above-referenced development have been prepared under the supervision of a professional engineer or certified wetland specialist as appropriate.

Signature of Professional Engineer — 55693 (P.E.#) — 11/18/16 (Date)

Print Name of Engineer: JASON DOLAND

Signature of Certified Wetland Specialist — CWS# — Date

Print Name Of Certified Wetland Specialist

FOR OFFICE USE ONLY

14. PERMIT REVIEW FEES (separate checks)

Stormwater Review Amount: $ _____ Isolated Wetland Review Amount: $ _____

15. VARIANCE REQUEST Date Requested: Date Advertised: Date Approved/Denied:

16. SECURITIES (if required) AMOUNT

Pre Construction $ _____ Inspection Deposit $_____ 5 Year Mitigation $ _____

Surety$ _____ Wetland Credit held by _____TOTAL SECURITY $ _____

17. FINAL APPROVAL FOR PLANS ENTITLED AND DATED:

Date of Signature Approved By/Title P.E.# / CWS#

Community Professional Engineer _____

Certified Wetland Specialist _____

Lake Co. Stormwater Management Commission _____

Enforcement Officer _____

This permit is subject to the following conditions:

(a) This permit does not convey title to the permittee or recognize title of the permittee to any submerged or other lands, and furthermore, does not convey, lease or provide any right or rights of occupancy or use of the public or private property on which the project or any part thereof will be located, or otherwise grant to the permittee any right or interest in or to the property, whether the property is owned or possessed by the County of Lake or by any private or public party or parties.

(b) This permit does not release the permittee from liability for damage to persons or property resulting from the work covered by this permit, and does not authorize any injury to private property or invasion of private rights.

(c) This permit does not relieve the permittee of the responsibility to obtain other federal, state or local authorizations required for the construction of the permitted activity; and if the permittee is required by law to obtain approval from any federal or state agency to do the work, this permit is not effective until those approvals are obtained.

(d) The permittee shall, at his own expense, remove all temporary piling, cofferdams, false work, and material incidental to the construction of the project, from the floodprone area, river, stream or lake in which the work is done.

(e) The execution and details of the work authorized shall be subject to the approval of the SMC. SMC representatives shall have right to access to accomplish this purpose.

(f) Application for permit will be considered full acceptance by the permittee of the terms and conditions of the permit.

(g) The SMC, in issuing this permit has relied, upon the statements and representations made by the permittee; if any statement or representation made by the permittee is found to be false, the permit may be revoked at the option of the SMC; and when a permit is revoked all rights of the permittee under the permit are voided.

(h) If the project authorized by this permit is located in or along Lake Michigan or a meandered lake, the permittee and successors shall make no claim whatsoever to any interest in any accretions caused by the project.

(i) In issuing this permit, the SMC does not approve the adequacy of the design or structural strength or the structure or improvement.

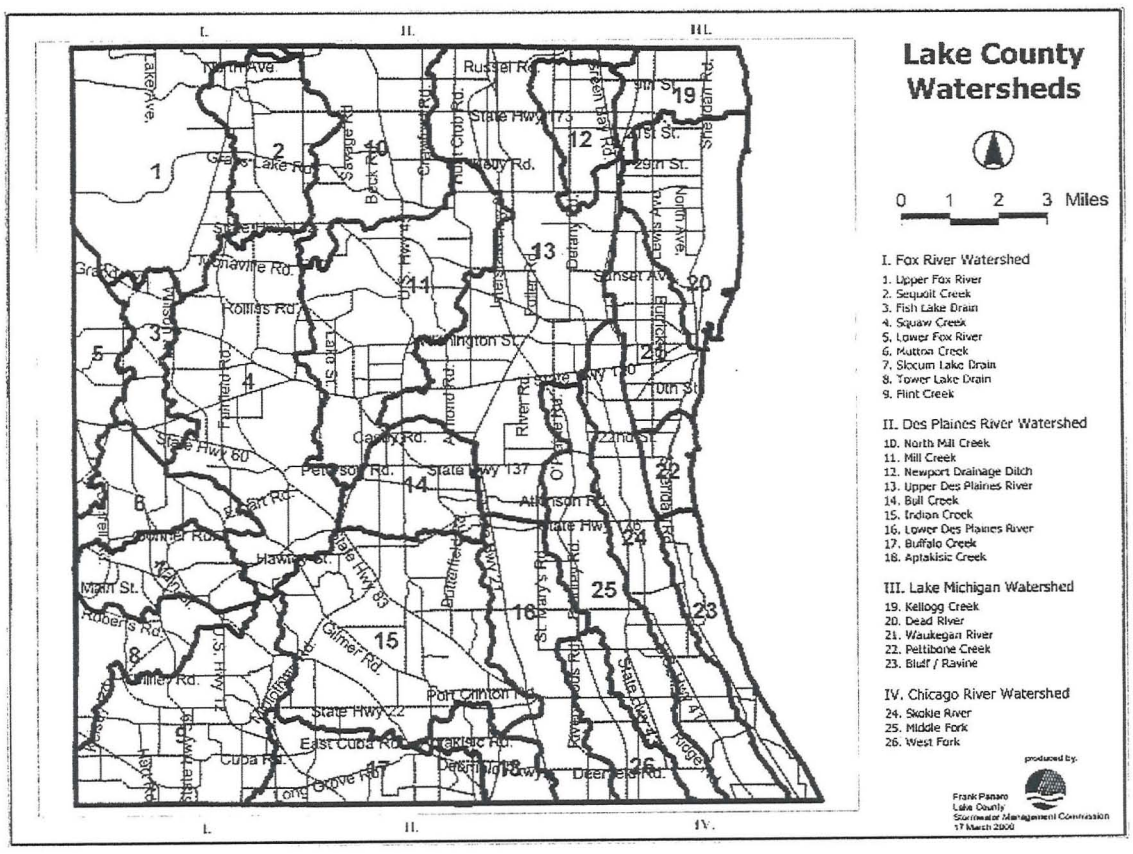
(j) Noncompliance with the conditions of this permit will be considered grounds for revocation.

(k) If the work permitted is not completed within three years of the permit issuance date, this permit shall be void.

This permit is subject to further special conditions as follows:

PROVIDE PRIOR NOTIFICATION OF THE PRE-CONSTRUCTION MEETING TO SMC (847) 377-7700 INSPECTOR FIVE WORKING DAYS BEFORE START OF CONSTURCTION TO ENABLE SMC ATTENDANCE.

PROVIDE AS-BUILT PLANS OF THE STORMWATER MANAGEMENT SYSTEM TO SMC PRIOR TO FINAL SEEDING.



GHA GEWALT HAMILTON ASSOCIATES, INC.
CONSULTING ENGINEERS
625 Forest Edge Drive, Vernon Hills, IL 60061
TEL 847.478.9700 ■ FAX 847.478.9701
www.gha-engineers.com

December 20, 2016

Mr. Jason Doland
Doland Engineering, LLC
334 E. Colfax Street, Suite C
Palatine, Illinois 60067

Re: 153 Algonquin Road
Proposed Pond Improvements- Review #2

Dear Mr. Doland:

Our office has reviewed the proposed pond improvements at 153 Algonquin Road. Our review is based on the following information:

- Preliminary Engineering plans (2 sheet) prepared by Doland Engineering, LLC, revised November 12, 2016.
- Watershed Development Permit Application (unsigned).
- Special Use Permit Application transmittal, dated November 18, 2016

In addition to the documents received, Village Administrator Robert Kosin and I met with you at the Village Hall on November 30, 2016 to review the special use permit application process. Based on our review and our discussions to date, we offer the following comments.

1. The Village Code designates artificial lakes (ponds) as a special use in the R-1 zoning district. The application is anticipated to be on the agenda of the Zoning Board of Appeals at their January 23, 2017 regularly scheduled meeting.

   Please note we have reviewed the address list provided with the special use permit application and have noted five additional parcels (highlighted in the attached spreadsheet) that require notification.

2. The final plans shall show the Village benchmark utilized to prepare the existing topography and shall be signed and sealed.

3. Additional detail should be provided to demonstrate the basis for the time of concentration indicated. The additional storage volume to be provided in the pond should be quantified and noted in the calculations. We would also recommend consideration be given to a low flow outlet for the pond so that potential erosion from routine storm events is minimized.

4. The proposed grading plan should be updated to include the calculated 100-year high-water level of the proposed ponds as well as typical cross sections along the length and width of the ponds.

5. The previous plan submittal had indicated the location of an existing septic system, but the response letter notes that based on further excavation it was not located in this area. Further investigation will be required to document the location of the existing septic system. As noted previously, the Village code requires 50' horizontal separation between all septic system components and the base flood elevation, as well as a 2' vertical separation between the bottom of septic field trench and BFE.

6. Much of the area in which excavation will occur appears to be heavily wooded. The applicant will be required to submit an arborist tree survey and coordinate with the Village Arborist to ensure that the requirements of the Heritage Tree Ordinance are met.

7. The final submittal shall include an executed watershed development permit application for the proposed development with wetland specialist identified.

8. A wetland delineation and jurisdictional determination will be required. It is noted that the wetland impacts are anticipated to be below the mitigation threshold.

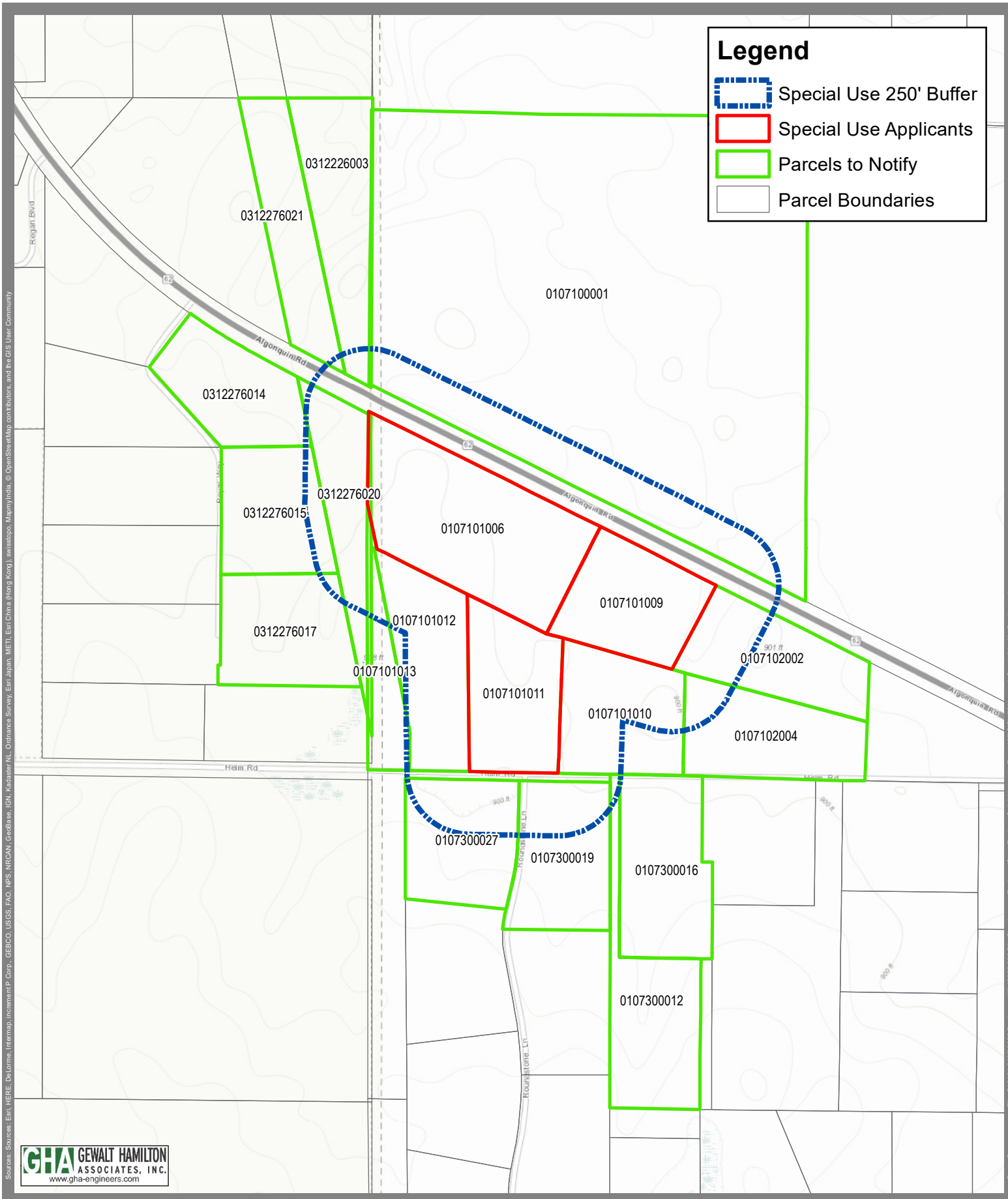
The above review comments are provided based on the engineering information provided. Additional comments may be generated as the final documents are submitted. Please include with the final engineering submittal a cover letter with a written response to each of the above comments.

Sincerely,
Gewalt Hamilton Associates, Inc.

Daniel J. Strahan, P.E., CFM
Village Engineer

cc: Robert Kosin, VBH Director of Administration
Ken Garrett, VBH Building Department

PIN	TaxName	SiteAddres	SiteCity	SiteState	SiteZip	MailingAdd	MailingCit	MailingSta	MailingZip
0312226003	BACHNER, LARRY G & JERRY G	ROUTE 62	BARRINGTON HILLS	IL	60010	154 ALGONQUIN RD	BARRINGTON	IL	600108604
0312276014	HACKL, DELORES F TRUST	20 ROYAL WAY	BARRINGTON HILLS	IL	60110	20 ROYAL WAY	BARRINGTON	IL	60010
0312276015	STORKAMP, GARY & KAREN	30 ROYAL WAY	BARRINGTON HILLS	IL	60010	10441 HOLLYWOOD BLVD NW	MINNEAPOLIS	MN	554334518
0312276017	BRUNS, NICHOLAS A & YVONNE S	40 ROYAL WAY	BARRINGTON HILLS	IL	60010	9 PEBBLE BEACH CT	LAKE IN THE HILLS	IL	601564493
0312276020	COMMONWEALTH EDISON CO					3 LINCOLN CTR FL 4	OAKBROOK TERRACE	IL	601814204
0312276021	COMMONWEALTH EDISON CO					3 LINCOLN CTR FL 4	OAKBROOK TERRACE	IL	601814204
0107101012	PAT & SHARON DEVEREAUX	155 HELM RD	BARRINGTON	IL	60010	155 HELM RD	BARRINGTON	IL	60010
0107101013	COMED TAX DEPARTMENT	157 HELM RD	BARRINGTON HILLS	IL	60010	3 LINCOLN CENTER FL 4	OAKBROOK TERRACE	IL	60181
0107300019	GEORGE PANOS	1 ROUNDSTONE LN	BARRINGTON HILLS	IL	60010	1 ROUNDSTONE LN	BARRINGTON HILLS	IL	60010
0107300027	THE SPIRIT OF CHICAGO	9 ROUNDSTONE LN	BARRINGTON HILLS	IL	60010	PO BOX 09117	CHICAGO	IL	60609
0107100001	GEORGE L BACHNER	152 ALGONQUIN RD	BARRINGTON HILLS	IL	60010	154 ALGONQUIN RD	BARRINGTON	IL	600108604
0107102002	DAVID & MEG NOLAND	158 ALGONQUIN RD	BARRINGTON HILLS	IL	60010	158C ALGONQUIN RD	BARRINGTON HILLS	IL	60010
0107101010	NEIL FERN	157 HELM RD	BARRINGTON HILLS	IL	60010	157 K HELM RD	BARRINGTON HILLS	IL	60010
0107102004	HAZHIR AFZALI	158 HELM RD	BARRINGTON HILLS	IL	60010	105 N WOLF RD	PROSPECT HEIGHTS	IL	60070
0107300016	MICHAEL DRAKERT	157 HELM RD	BARRINGTON HILLS	IL	60010	157D HELM RD	BARRINGTON HILLS	IL	60010
0107300012	WILLIAM SCHIERER	157 HELM RD	BARRINGTON HILLS	IL	60010	157 E HELM RD	BARRINGTON HILLS	IL	60010



N

1 inch = 500 Feet

Special Use Notification Map

155 Algonquin Rd
Barrington Hills, IL

MapCode: Date: 12/19/2016 Project: 9355.600

GHA GEWALT HAMILTON ASSOCIATES, INC.
CONSULTING ENGINEERS
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www.gha-engineers.com

MEMORANDUM

To: Robert Kosin
Village of Barrington Hills

From: Dan Strahan, P.E., CFM
Gewalt Hamilton Associates (GHA)

Date: February 8, 2017

Re: 61 Otis Road
Boathouse Permitting Requirements

As noted in our letter dated January 13, 2017, the proposed boathouse at 61 Otis Road is eligible for a Village permit as it meets the Appropriate Use criteria of the Lake County WDO, since it is non-habitable, does not block flood flows, and does not reduce flood storage. Per you request we have also reviewed other permitting agencies that may require a permit for the proposed boathouse.

US Army Corps of Engineers
The Army Corps regulates development within jurisdictional wetland areas. Flint Creek is considered a Waters of the United States (WOUS), and therefore development within Hawley Lake, an impoundment of Flint Creek, falls under the permitting jurisdiction of the Army Corps.

The Army Corps has a Regional Permit Program to cover certain types of activities resulting in minimal impacts to the aquatic environment, provided that certain basic design parameters are met. Regional Permit 11 authorizes "the installation, repair and modification of piers, boat docks (non-commercial only), boat ramps, boat hoists and lifts (including roof coverings), navigational and mooring aids, and temporary recreational structures." However, one of the conditions of RP11 is that the width of the pier/dock shall not be greater than 10 feet. As the proposed width of the dock to the boathouse exceeds 10', permit submittal should be made to the Army Corps to determine if they will cover the proposed boathouse under RP11 or if an individual permit would be required.

Illinois Department of Natural Resources (IDNR)
Flint Creek is a linear, Zone A flood plain in Barrington Hills, meaning that no FEMA-approved base flood elevations have been determined. As such, the entirety of Hawley Lake is considered a non-designated floodway and is subject to IDNR permitting requirements. While IDNR often chooses to delegate their review authority to the underlying county for minor impacts such as this, the initial application must be made to IDNR for the proposed development.