President Martin J. McLaughlin
Trustee Colleen Konicek Hannigan
Trustee Fritz Gohl
Trustee Michael Harrington
Trustee Bryan C. Croll
Trustee Michelle Nagy Maison
Trustee Brian D. Cecola

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: Monday September 21, 2015 at 7:30 pm
Applicant: Michael J. and Jamie S. Lerner
Address: 300 Donlea Road, Barrington Hills, IL 60010
Subject: A special use to permit the construction, use and maintenance of an artificial lake.

Chairman Dan Wolfgram
Zoning Board of Appeals
Village of Barrington Hills
Publication Date: August 29, 2015

CORRECTION
PUBLIC HEARING
Before the Zoning Board of Appeals,
Village of Barrington Hills,
Re: 300 Donlea Road

Notice is hereby given that a Public Hearing will be held on Monday September 21, 2015 at 7:30 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 Michael J. and Jamie S. Lerner at 300 Donlea 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 north side of Donlea Road, [corrected to read] east of Old Sutton Road aka Sutton Road [correction ends] in Sections 4 and 5, Township 42 North, Range 9 East of the 3rd PM, and commonly described as 300 Donlea Road being in the Barrington Township, Cook County area of the Village otherwise having the Property Tax Index Number of 01-04-100-027, 01-04-100-018 and 01-05-401-004

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
August 29, 2015 (4418002)

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

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 7150, Act 5, Section 1 and 5. That a notice of which the annexed printed slip is a true copy, was published August 29, 2015 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 Baltzer
Authorized Agent

Control # 4418002

PUBLIC HEARING
Before the Zoning Board of Appeals,
Village of Barrington Hills,
Re: 300 Donlea Road

Notice is hereby given that a Public Hearing will be held on Monday September 21, 2015 at 7:30 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 Michael J. and Jamie S. Lerner at 300 Donlea 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 north side of Donlea Road, west of Old Sutton Road in Sections 4 and 5, Township 42 North, Range 9 East of the 3rd PM, and commonly described as 300 Donlea Road being in the Barrington Township, Cook County area of the Village otherwise having the Property Tax Index Number of 01-04-100-027, 01-04-100-018 and 01-05-401-004

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
August 28, 2015 (4417861)

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

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 7150, Act 5, Section 1 and 5. That a notice of which the annexed printed slip is a true copy, was published August 28, 2015 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 Baltzer
Authorized Agent

Control # 4417861

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.

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.

(G) Effect Of Denial Of A Special Use: No application for a special use which has been denied wholly or in part by the board of trustees shall be resubmitted for a period of one year from the date of said order of denial, except on the grounds of new evidence or proof of changed conditions found to be valid by the zoning board of appeals and the board of trustees.

(H) Revocation: In any case where a special use has not been established within six (6) months after the date of granting thereof, then without further action by the zoning board of appeals or the board of trustees, the special use authorization shall be null and void. The zoning board of appeals may, upon application filed within said six (6) months, and for good cause, extend said time an additional six (6) months.

(I) Special Uses On Historical Sites: An applicant may request as a unique historical use any permitted and/or special use allowed in any zoning district to be allowed in any other zoning district, subject to compliance with the following conditions:

1. Proof that the subject property or the improvements thereon are of historic value or significance and that preservation of the same will be enhanced, maintained or assisted by permitting the unique use as proposed.

2. Proof that permitting the unique use will be of some affirmative benefit, from a land use or preservation standpoint, to the subject property, the surrounding properties and neighborhood, and the village.

3. The application shall have the burden of presenting clear and convincing proof that the unique use is justified and proper.

PETITION FOR A SPECIAL USE PERMIT

FOR THE PROPERTY LOCATED AT:

300 Donlea Road
Barrington Hills, IL 60010

OWNERS:

Michael J. Lerner and Jamie S. Lerner

PROPERTY INDEX NUMBERS:

01-04-100-027
01-04-100-018
01-05-401-004

ZONING BOARD OF APPEALS HEARING DATE:

Monday, September 21, 2015

RECEIVED
AUG 21 2015
VILLAGE OF BARRINGTON HILLS
BUILDING DEPARTMENT

To Zoning Board of Appeals Commissioners:

Mr. Daniel Wolfgram, Chairman
Mr. David Stieper
Mr. Richard Chambers
Mr. Jim Root
Ms. Jan C. Goss
Ms. Debra Buettner
Mr. Patrick J. Hennelly

Date: Thursday, August 20, 2015
Subject: Request for a special use permit to build an artificial lake.

Pertinent Information:

Owners: Michael J. Lerner and Jamie S. Lerner
300 Donlea Road
Barrington Hills, IL 60010

Please direct all inquiries to:
O'Donnell Law Offices, Ltd.
1250 South Grove Avenue, Suite 300
Barrington, IL 60010

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

Name	PIN No.	Property Address (Barrington Hills, IL 60010)	Mailing Address (if different than Property Address)
Nationwide Fin LP	01-04-302-013	271 Donlea Road	31W566 Spaulding Rd Elgin, IL 60120-7301
Charles P. Gerage	01-04-302-014	283 Donlea Road	31W566 Spaulding Rd Elgin, IL 60120-7301
Brian Jackman	01-04-100-026	284 Donlea Road	
Bruce & Sally Powers	01-04-300-004	287 Donlea Road	
Fredrick Gohl	01-04-300-006	291 Donlea Road	1242 Lake Shore Dr Chicago, IL 60610-2332
Robert Michelle Peart	01-05-401-003	296 Donlea Road	
Kenneth C. Marino	01-04-402-005	252 Otis Road	
Northern Trust	01-05-401-005 01-05-200-025 01-05-200-014	450 Sutton Road 448 Sutton Road 360 Sutton Road	PO Box 1354 Chicago, IL 60690

I. General Background

Mr. Michael J. Lerner and Mrs. Jamie S. Lerner ("the Lerners") own the subject property ("Property"), which is comprised of approximately seventeen (17) acres of hilly wooded land improved with a residential home and several outbuildings. The Deed, as proof of ownership, is attached as Exhibit A. The common address of the property is 300 Donlea Road, Barrington Hills, IL 60010. The legal description of the property is attached as Exhibit B. This property is located in the "R1" Single-Family Residence District of the Village of Barrington Hills Zoning Ordinance.

The Lerners' project proposal is the creation of an artificial lake with a babbling brook feature. The artificial lake will be lined and cover approximately one third of an acre. The babbling brook feature will cover approximately another third of an acre for a total land area of two thirds (2/3) of an acre. The artificial lake will be fed and maintained by overland storm water flow and supplemented by the existing well on the Property. The Site Plan created by Land Technology, Inc. is attached as Exhibit C.

II. Relief Requested

The Lerners request a special use permit for the construction, use and maintenance of an artificial lake in accordance with the Village Code of the Village of Barrington Hills.

III. Applicable Ordinances

A. 5-5-3: Special Uses:

> Special uses, as hereinafter listed, may be allowed in the zoning districts indicated, subject to the issuance of special use permits in accordance with the provisions of section 5-10-7 of this title. Unless otherwise specifically set forth, wherever a special use is named as a major category in this chapter, it shall be deemed to include all and only those itemized uses listed under the said major category in the R1 district, subsection (A) of this section. (Ord. 09-05, 5-18-2009)
>
> (A) Special Uses, R1 District: The following special uses may be allowed in the R1 district: ... Artificial Lakes...

B. 5-10-7: Special Uses:

> (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.
> 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.

IV. Evidence Supporting the Issuance of a Special Use Permit

The Standard established in the Village of Barrington Hills Zoning Ordinance, Chapter 10, Section 5-10-7, has been or will be satisfied as follows:

1. The establishment and maintenance of the artificial lake will not be detrimental to or endanger the public health, safety, morals, comfort or general welfare.

   The artificial lake has been designed per the Village Codes of Barrington Hills to ensure the safety of the lake and the surrounding public area. The use of a liner prevents any unnatural leaking into the surrounding soil.

2. The artificial lake 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.

   There is only one property in the immediate vicinity of the proposed artificial lake. The storm water and supplemental well will ensure a constant water level. The water will be re-circulated which aerates the pond and insures good water quality.

3. The artificial lake will not impede the normal and orderly development and improvement of surrounding property for uses permitted in the district.

   The surrounding property is residential single-family homes that are already fully developed. The artificial lake is wholly confined on the Property.

4. Adequate utilities, drainage and/or other necessary facilities have been or are being provided.

   The property already possesses adequate facilities to maintain existing incoming drainage from overland storm water flow runoff. In addition, the artificial lake will have a control structure to allow for proper overflow of the pond in high

water conditions.

5. 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, and

   The Property currently contains adequate means of ingress and egress. This proposed project will not affect traffic on public streets or roads. Further, the property contains an existing driveway that is adequate to hold all construction traffic for the duration of the project.

6. The artificial lake shall in all other respects conform to the applicable regulations of the district in which it is located.

   The proposed project conforms to the regulations of the "R1" Single Family Residence District of the Village of Barrington Hills Zoning Ordinance in all respects, and specifically the special use of artificial lakes. Due to the nature and size of the proposed project, no additional testing or evaluations are required.

V. Conclusion

In granting the special use of an artificial lake on the subject property, the enjoyment and aesthetics of the subject property and surrounding properties will all improve.

Signature Page

I, Michael Lerner, attest and hereby swear under oath that all information contained within this petition is true and correct to the best of my knowledge. This petition for a zoning variation and special use is respectfully submitted to the Barrington Hills Zoning Board of Appeals.

S GUTIERREZ
OFFICIAL SEAL
Notary Public, State of Illinois
My Commission Expires
October 31, 2017

8/19/15

Michael Lerner, Owner Date

Subscribed and Sworn before me this 19
Day of August, 2015.

Notary Public

Exhibit A

Doc#: 0921903041 Fee: $40.00
Eugene "Gene" Moore RHSP Fee:$10.00
Cook County Recorder of Deeds
Date: 08/07/2009 02:59 PM Pg: 1 of 3

WARRANTY DEED
Statutory (Tenancy by the Entirety)

THE GRANTORS, Michael J. Lerner and Jamie S. Lerner, husband and wife, as joint tenants, for and in consideration of TEN and No/100 DOLLARS ($10.00), in hand paid, CONVEYS and WARRANTS to Michael J. Lerner and Jamie S. Lerner, husband and wife, not as joint tenants or tenants in common, but as tenants by the entirety, the following described Real Estate situated in the County of Cook, in the State of Illinois, to wit:

See Exhibit A attached hereto and incorporated herein

SUBJECT TO:

hereby releasing and waiving all rights under and by virtue of the Homestead Exemption Laws of the State of Illinois. TO HAVE AND TO HOLD said premises not as tenants in common and not as joint tenants, but as tenants by the entirety.

3

Permanent Real Estate Index Number(s): 01-04-100-027; 01-04-100-018; 01-05-401-004
Address(es) of Real Estate: 300 Donlea, Barrington Hills, IL 60010

DATED as of this ____ day of _____, 2009.

First American Title Order #407210
AN 1 of 1 DEC

Michael J. Lerner

Jamie S. Lerner

State of Illinois, County of Cook ss. I, the undersigned, a Notary Public in and for said County, in the State aforesaid, DO HEREBY CERTIFY that Michael J. Lerner and Jamie S. Lerner, husband and wife, personally known to me to be the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person, and acknowledged that they signed, sealed and delivered the said instrument as their free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and official seal, this ____ day of _____, 2009.

OFFICIAL SEAL
BARBARA J MOHR
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES 08/11/11

Commission expires _____

NOTARY PUBLIC

This instrument prepared by: James G. Haft, 1555 N. Sheffield, Chicago, IL 60642

MAIL TO:

Micheal Lerner
1555 N. Sheffield Avenue
Chicago, IL 60642

SEND SUBSEQUENT TAX BILLS TO:

Micheal Lerner
1555 N. Sheffield Avenue
Chicago, IL 60642

Exempt under provisions of Paragraph E
Section 31-45, Property Tax Code.

7-23
Date

Buyer, Seller, or Representative

RECORDER'S OFFICE BOX NO _____

5926581_v1

96449195

TRUSTEE'S DEED

DEPT-01 RECORDING $33.00
T#0012 TRAN 0921 06/12/96 15:20
#6406 # CG *-96-449195
COOK COUNTY RECORDER

(The Above Space For Recorder's Use Only)

1 of 3

33.00

THE NORTHERN TRUST COMPANY, an Illinois corporation, of Chicago, Illinois, as trustee under the **Smith Family Revocable Trust Agreement** dated December 31, 1994 and known as Trust Number 02-12282, of the County of Cook and State of Illinois, as the **GRANTOR**, for and in consideration of Ten Dollars and other good and valuable considerations in hand paid, the receipt and sufficiency of which is hereby acknowledged, and pursuant to the power and authority granted to it as such trustee, **CONVEYS** and **QUITCLAIMS** unto **MICHAEL** J. **LERNER** and Jamie S. Lerner, not as tenants in common but as Joint Tenants of the County of Lake and State of Illinois, as the **GRANTEE,** all interest in the following described Real Estate situated in the County of Cook and State of Illinois, to-wit:

SG

PARCEL 1:

ALL THAT PART OF THE SOUTH 858.0 FEET OF THE WEST HALF OF THE NORTHWEST QUARTER OF SECTION 4, TOWNSHIP 42 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, LYING NORTHWESTERLY OF AND ADJOINING THE CENTER LINE OF DONLEA ROAD, TOGETHER WITH THAT PART OF THE WEST HALF OF THE SOUTHWEST QUARTER OF SAID SECTION 4, LYING NORTHERLY OF AND ADJOINING THE CENTER LINE OF DONLEA ROAD (EXCEPTING THEREFROM THAT PART OF THE SOUTH 858.0 FEET OF THE WEST HALF OF THE NORTHWEST QUARTER OF SECTION 4, TOWNSHIP 42 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, BOUNDED AND DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHEAST CORNER OF SAID SOUTH 858.0 FEET OF THE WEST HALF OF THE NORTHWEST QUARTER; THENCE WEST ON NORTH LINE OF SAID SOUTH 858.0 FEET, A DISTANCE OF 844.63 FEET; THENCE SOUTH AT RIGHT ANGLES TO SAID NORTH LINE OF SOUTH 858.0 FEET, A DISTANCE OF 450.0 FEET; THENCE SOUTHEASTERLY 477.06 FEET, MORE OR LESS, TO A POINT ON THE CENTER LINE OF DONLEA ROAD WHICH IS 730.0 FEET SOUTHWESTERLY OF THE PLACE OF BEGINNING; THENCE NORTHEASTERLY ON SAID CENTER LINE OF DONLEA ROAD, 730.0 FEET TO THE PLACE OF BEGINNING; ALSO EXCEPTING THEREFROM THE

96449195

BOX 333-CTI

NORTH 450.0 FEET OF THE SOUTH 858.0 FEET OF THE WEST HALF OF THE NORTHWESTQUARTER OF SECTION 4, TOWNSHIP 42 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, (EXCEPTING THEREFROM THAT PART LYING EAST OF AND ADJOINING A LINE DRAWN AT RIGHT ANGLES TO AND EXTENDING SOUTH FROM A POINT ON THE NORTH LINE OF SAID 858.0 FEET AT A POINT 844.63 FEET WEST OF THE NORTHEAST CORNER OF SAID SOUTH 858.0 FEET OF THE WEST HALF OF THE NORTHWEST QUARTER)).

Permanent Real Estate Index Number: **01-04-100-018**

PARCEL 2:

THAT PART OF THE EAST HALF OF SECTION 5, TOWNSHIP 42 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT A POINT ON THE CENTER LINE OF SUTTON ROAD WHICH IS 546.55 FEET NORTHWESTERLY (AS MEASURED ON SAID CENTER LINE) FROM THE INTERSECTION OF CENTER LINE OF SUTTON ROAD WITH THE CENTER LINE OF DONLEA ROAD, SAID POINT OF COMMENCEMENT ALSO BEING THE MOST SOUTHWEST CORNER OF THE SMITH PROPERTY; THENCE NORTHEASTERLY FROM THE CENTER OF SAID ROAD ON A 73° 53' 30" ANGLE (MEASURED SOUTHEAST TO NORTHEAST), A DISTANCE OF 112.95 FEET; THENCE ON A 15° 43' 30" ANGLE TO THE RIGHT OF THE LAST DESCRIBED COURSE, 151.80 FEET; THENCE ON A 18° 34' 30" ANGLE TO THE LEFT OF THE LAST DESCRIBED COURSE, 99.35 FEET; THENCE ON A 19° 09' 30" ANGLE TO THE LEFT OF THE LAST DESCRIBED COURSE, 214.65 FEET FOR THE POINT OF BEGINNING OF THIS DESCRIPTION; THENCE ON A 84° 22' 00" ANGLE TO THE RIGHT OF THE LAST DESCRIBED COURSE, 491.10 FEET TO THE CENTER LINE OF DONLEA ROAD; THENCE NORTHEASTERLY ALONG THE CENTER LINE OF DONLEA ROAD, 175.14 FEET TO THE EAST LINE OF SECTION 5 AFORESAID; THENCE NORTH ON THE EAST LINE OF SECTION 5 AFORESAID, TO A POINT 501.0 FEET NORTH OF THE SOUTH LINE OF THE NORTH HALF OF SECTION 5 AFORESAID; THENCE NORTHWESTERLY 161.62 FEET TO A POINT ON THE WEST LINE OF THE EAST 140.0 FEET OF SAID SECTION 5; THENCE SOUTH ON THE WEST LINE OF THE EAST 140.0 FEET OF SAID SECTION 5, A DISTANCE OF 247.43 FEET; THENCE SOUTHWESTERLY 279.87 FEET TO A POINT ON THE WEST LINE OF THE EAST 320.0 FEET OF SAID SECTION 5; SAID POINT BEING THE SOUTHEAST CORNER OF A PARCEL OF LAND DESCRIBED AS THE WEST 467.0 FEET OF THE EAST 787.0 FEET OF THE SOUTH 467.0 FEET OF THE NORTH 767.0 FEET OF THAT PART OF THE EAST HALF OF SECTION 5, TOWNSHIP 42 NORTH, RANGE 9 EAST OF THE THIRD

96449195

PRINCIPAL MERIDIAN, LYING SOUTH OF AND ADJOINING A LINE DRAWN PARALLEL WITH THE SOUTH LINE OF THE NORTH HALF OF SAID SECTION 5; AND SAID PARALLEL LINE BEING 1952.48 FEET SOUTH OF THE NORTHEAST CORNER OF SAID SECTION 5, AS MEASURED ON THE EAST LINE OF SAID SECTION 5; THENCE SOUTHWESTERLY A DISTANCE OF 319.52 FEET TO THE POINT OF BEGINNING.

Permanent Real Estate Index Number: **01-05-200-022** (PART) and
01-05-401-002 (PART)

PARCEL 3:

ALL THAT PART OF A TRACT OF LAND (HEREINAFTER DESCRIBED) LYING SOUTHERLY OF AND ADJOINING A LINE DRAWN FROM A POINT ON THE WEST LINE OF SAID TRACT WHICH IS 93.0 FEET NORTH OF THE SOUTHWEST CORNER THEREOF, TO A POINT ON THE SOUTH LINE OF SAID TRACT WHICH IS 473.0 FEET EAST OF THE SOUTHWEST CORNER THEREOF; SAID TRACT BEING DESCRIBED AS THE NORTH 450.0 FEET OF THE SOUTH 858.0 FEET OF THE WEST HALF OF THE NORTHWEST QUARTER OF SECTION 4, TOWNSHIP 42 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN (EXCEPTING THEREFROM THAT PART LYING EAST OF AND ADJOINING A LINE DRAWN AT RIGHT ANGLES TO AND EXTENDING SOUTH FROM A POINT ON THE NORTH LINE OF SAID SOUTH 858.0 FEET AT A POINT 844.63 FEET WEST OF THE NORTHEAST CORNER OF SAID SOUTH 858.0 FEET OF THE WEST HALF OF THE NORTHWEST QUARTER), ALL IN COOK COUNTY, ILLINOIS.

Permanent Real Estate Index Number: **01-04-100-017** (PART, SUBJECT TO 1996 TAX DIVISION)

CONTAINING 17.0 ACRES, MORE OR LESS.

Address of the Real Estate: **300 Donlea Road, Barrington Hills, Illinois**

Subject to: General taxes for the year 1995 and subsequent years; covenants, conditions and restrictions of record (none of which provide for reverter; public and utility easements and roads and highways, if any.

together with the tenements, hereditaments and appurtenances thereunto belonging or in any wise appertaining.

The **GRANTOR** executes this **Trustee's Deed** as trustee as aforesaid and not individually, and is not to be held liable in its individual capacity in any way by reason of this **Trustee's Deed**. Any recourse under and by virtue of this **Trustee's Deed** shall be against the trust estate only.

96449195

IN WITNESS WHEREOF the **GRANTOR THE NORTHERN TRUST COMPANY** has caused its name to be signed and its corporate seal to be affixed to this **Trustee's Deed** by its duly authorized officers on this 7TH day of **June, 1996**.

THE NORTHERN TRUST COMPANY

By Kurt A. Carlisle
as its Vice President

not personally, but as trustee as aforesaid

ATTEST:

Kim A. Morton
as its Assistant Secretary

STATE OF ILLINOIS)
)
COUNTY OF COOK)

I, the undersigned, a Notary Public in and for the County and State aforesaid, DO HEREBY CERTIFY that **KURT A. CARLISLE** and **KIM A. MORTON,** personally known to me to be a Vice President and an Assistant Secretary, respectively, of **THE NORTHERN TRUST COMPANY,** and personally known to me to be the same persons whose names are subscribed to the foregoing instrument, appeared before me in person and severally acknowledged that as such Vice President and Assistant Secretary, they signed and delivered the same instrument as Vice President and Assistant Secretary of **THE NORTHERN TRUST COMPANY** and caused the corporate seal of **THE NORTHERN TRUST COMPANY** to be affixed thereto as their free and voluntary act and the free and voluntary act and deed of **THE NORTHERN TRUST COMPANY** as trustee as aforesaid, for the uses and purposes therein set forth.

GIVEN under my hand and official seal on this 10th day of **June, 1996.**

"OFFICIAL SEAL"
Janice A. Byrd
Notary Public
State of Illinois, County of Cook
My Commission Expires Oct. 15, 1996

Janice A. Byrd
Notary Public

My Commission expires: 10-15-96

96449195

Address of the **GRANTEE**:

Michael Lerner
300 Donlea Road
Barrington Hills, Illinois 60010

Return recorded instrument to:

Susan Ghelerter, Esq.
Fuchs & Roselli
6 West Hubbard #800
Chicago, Illinois 60610

This instrument was prepared by:

David L. Hanson, Esq.
Gardner, Carton & Douglas
Quaker Tower - Suite 3300
321 North Clark Street
Chicago, Illinois 60610-4795

Address for subsequent tax bills:

Michael Lerner
300 Donlea Road
Barrington Hills, Illinois 60010

COOK CO. NO. 016 0 7 6 2 0 7
STATE OF ILLINOIS
REAL ESTATE TRANSFER TAX
JUN 12 '96 ★ ★ ★ DEPT. OF REVENUE 8 7 5. 0 0
P.B. 10776

COOK CO. NO. 016 0 7 6 2 0 8
STATE OF ILLINOIS
REAL ESTATE TRANSFER TAX
JUN 12 '96 ★ ★ ★ DEPT. OF REVENUE 8 7 5. 0 0
P.B. 10776

Cook County
REAL ESTATE TRANSFER TAX
REVENUE STAMP 8 7 5 0 0
875.00

96449195

PLAT ACT AFFIDAVIT

STATE OF ILLINOIS)
)
COUNTY OF COOK)

KURT A. CARLISLE, being first duly sworn on oath, states:

(The Above Space For Recorder's Use Only)

That **he** resides at **50 South LaSalle Street, Chicago, Illinois 60675;**

That the attached **Trustee's Deed** is not in violation of Section 1 of the Plat Act (765 ILCS 205/1) for one of the following reasons:

A. The Act is not applicable as the **GRANTOR** owns no adjoining property to the premises described in the deed.

-OR-

B. The conveyance falls into one of the following exemptions enumerated in subparagraph (b) of Section 1:

1. The division or subdivision of land into parcels or tracts of 5 acres or more in size which does not involve any new streets or easements of access;

2. The division of lots or blocks of less than 1 acre in any recorded subdivision which does not involve any new streets or easements of access;

3. The sale or exchange of parcels of land between owners of adjoining and contiguous land;

4. The conveyance of parcels of land or interests therein for use as a right of way for railroads or other public utility facilities and other pipe lines which does not involve any new streets or easements of access;

5. The conveyance of land owned by a railroad or other public utility which does not involve any new streets or easements of access;

6. The conveyance of land for highway or other public purposes or grants or conveyances relating to the dedication of land for public use or instruments relating to the vacation of land impressed with a public use;

7. Conveyances made to correct description in prior conveyances;

96449195

8. The sale or exchange of parcels or tracts of land following the division into no more than 2 parts of a particular parcel or tract of land existing on July 17, 1959, and not involving any new streets or easements of access;

9. The sale of a single lot of less than 5 acres from a higher tract when a survey is made by a registered surveyor; provided, however, that this exemption shall not apply to the sale of any subsequent lots from the same larger tract of land, as determined by the dimensions and configuration of the larger tract on October 1, 1973.

CIRCLE NUMBER AND/OR LETTER ABOVE WHICH IS APPLICABLE TO ATTACHED DEED.

The affiant further states that **he** makes this affidavit for the purpose of inducing the Recorder of Deeds of Cook County, Illinois, to accept the attached **Trustee's Deed** for recording.

Kurt A. Carlisle

Kurt A. Carlisle
Vice President, The Northern Trust Company

Signed and sworn to before me on
this 11th day of **June, 1996**.

Janice A. Byrd

Notary Public

"OFFICIAL SEAL"
Janice A. Byrd
Notary Public
State of Illinois, County of Cook
My Commission Expires Oct. 15, 1996

Return Recorded Instrument To:

96439195

7015 1660 0000 7488 7457

U.S. Postal Service™
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OFFICIAL USE

Certified Mail Fee
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Extra Services & Fees *(check box, add fee as appropriate)*
- ☐ Return Receipt (hardcopy) $
- ☐ Return Receipt (electronic) $
- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage
$

Total Postage and Fees
$

BARRINGTON IL 60010 Postmark Here AUG 28 2015 USPS

Sent To Charles P. Gerage

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

City, State, ZIP+4®

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

7015 1660 0000 7488 7419

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- ☐ Return Receipt (hardcopy) $
- ☐ Return Receipt (electronic) $
- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage
$

Total Postage and Fees
$

BARRINGTON IL 60010 Postmark Here AUG 28 2015 USPS

Sent To Bruce R Jally

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

City, State, ZIP+4®

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

7015 1660 0000 7488 3855

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- ☐ Return Receipt (hardcopy) $
- ☐ Return Receipt (electronic) $
- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage
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Total Postage and Fees
$

BARRINGTON IL 60010 Postmark Here AUG 28 2015 USPS

Sent To Nathanielle Fin LP

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

City, State, ZIP+4®

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

7015 1660 0000 7488 7426

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- ☐ Return Receipt (hardcopy) $
- ☐ Return Receipt (electronic) $
- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage
$

Total Postage and Fees
$

BARRINGTON IL 60010 Postmark Here AUG 28 2015 USPS

Sent To Brian Jackman

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

City, State, ZIP+4®

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

7015 1660 0000 7488 7433

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- ☐ Return Receipt (electronic) $
- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage
$

Total Postage and Fees
$

BARRINGTON IL 60010 Postmark Here AUG 28 2015 USPS

Sent To Fredrick Gohl

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

City, State, ZIP+4®

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

7015 1660 0000 7488 3862

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- ☐ Return Receipt (hardcopy) $
- ☐ Return Receipt (electronic) $
- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage
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Total Postage and Fees
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BARRINGTON IL 60010 AUG 28 2015 Postmark Here USPS

Sent To Robert M. Chelle

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

City, State, ZIP+4®

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

7015 1660 0000 7488 7440

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Extra Services & Fees *(check box, add fee as appropriate)*
- ☐ Return Receipt (hardcopy) $
- ☐ Return Receipt (electronic) $
- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage
$

Total Postage and Fees
$

BARRINGTON IL 60010 AUG 28 2015 Postmark Here USPS

Sent To Kenneth Marino

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

City, State, ZIP+4®

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

7011 2970 0003 8424 6703

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Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

BARRINGTON IL 60010 AUG 28 2015 Postmark Here USPS

Sent To Stephen B. Smith

Street, Apt. No.; or PO Box No.

City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

7011 2970 0003 8424 6710

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Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

BARRINGTON IL 60010 AUG 28 2015 Postmark Here USPS

Sent To Northern Trust

Street, Apt. No.; or PO Box No.

City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Robert Michelle Peart
296 Donlea Rd.
Barrington Hills, IL 60010

COMPLETE THIS SECTION ON DELIVERY

A. Signature
x Michelle Peart
☐ Agent
☐ Addressee

B. Received by *(Printed Name)*

C. Date of Delivery
9-8-15

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

MICHELLE PEART

3. Service Type
☒ Certified Mail® ☐ Priority Mail Express™
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number
(Transfer from service label) 7015 1660 0000 7488 3862

PS Form 3811, July 2013 Domestic Return Receipt

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Kenneth C. Marino
252 Otis Rd
Barrington Hills, IL 60010

COMPLETE THIS SECTION ON DELIVERY

A. Signature
x
☐ Agent
☐ Addressee

B. Received by *(Printed Name)*

C. Date of Delivery
9-10-15

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail® ☐ Priority Mail Express™
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number
(Transfer from servic 7015 1660 0000 7488 7440

PS Form 3811, July 2013 Domestic Return Receipt

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Brian Jackman
284 Donlea Rd
Barrington Hills, IL 60010

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail® ☐ Priority Mail Express™
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number
(Transfer from service label) 7015 1660 0000 7488 7426

PS Form 3811, July 2013 Domestic Return Receipt

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Stephen B. Smith
200 W. Madison
Ste. 3400
Chicago, IL 60606-3600

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number
(Transfer from service label) 7011 2970 0003 8424 6703

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Fredrick Gohl
1242 Lake Shore Dr.
Chicago, IL 60610-2332

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X AMIR FOROHAN ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* DOWNS C. Date of Delivery 9/1/20

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail® ☐ Priority Mail Express™
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number *(Transfer from service label)* 7015 1660 0000 7488 7433

PS Form 3811, July 2013 Domestic Return Receipt

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Charles P. Gerage
31W566 Spaulding Rd
Elgin, IL 60120-7301

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X D Faly ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery 8/31

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail® ☐ Priority Mail Express™
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number *(Transfer from service label)* 7015 1660 0000 7488 7457

PS Form 3811, July 2013 Domestic Return Receipt

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Nationwide Fin LP
31W566 Spaulding Rd
Elgin, IL 60120-7301

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X D Fel
☐ Agent
☐ Addressee

B. Received by *(Printed Name)*
C. Date of Delivery
8-31

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail® ☐ Priority Mail Express™
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number
(Transfer from service lat
7015 1660 0000 7488 3855

PS Form 3811, July 2013 Domestic Return Receipt

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Bruce & Sally Powers
284 Donlea Rd
Barrington Hills, IL 60010

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by *(Printed Name)*
8/31/15 B
C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail® ☐ Priority Mail Express™
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number
(Transfer from service label)
7015 1660 0000 7488 7419

PS Form 3811, July 2013 Domestic Return Receipt

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Northern Trust, Trustee
Trust No. 02-12282
P.O. Box 1354
Chicago, IL 60690-1354

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by *(Printed Name)* NICK TARZISIC

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail® ☐ Priority Mail Express™
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number
(Transfer from service la
7011 2970 0003 8424 6710

PS Form 3811, July 2013 Domestic Return Receipt

Notice
of a
Public Hearing
Mr. Daniel Wolfgram
Chairman, ZBA
847.551.3000
BCFPD
28W
920

Legal Description of Property: Exhibit B

Parcel 1:

All that part of the South 858.0 feet of the West Half of the Northwest Quarter of Section 4, Township 42 North, Range 9 East of the Third Principal Meridian, lying Northwesterly of and adjoining the center line of Donlea Road, together with the part of the West Half of the Southwest Quarter of said Section 4, lying Northerly of and adjoining the center line of Donlea Road (excepting therefrom that part of the South 858.0 feet of the West Half of the Northwest Quarter of Section 4, Township 42 North, Range 9 East of the Third Principal Meridian, bounded and describe as follows: beginning at the Northeast corner of said South 858.0 feet of the West Half of the Northwest Quarter, thence West on North line of said South 858.0 feet, a distance of 844.63 feet thence South at Right Angles to said North line of South 858.0 feet, a distance of 450.0 feet; thence Southeasterly 477.05 feet, more or less, to a point on the center line of Donlea Road which is 730.0 feet Southwesterly of the place of beginning, thence Northeasterly on said center line of Donlea Road 730.0 feet to the Place of beginning; also excepting therefrom the North 450.0 feet of the South 858.0 feet of the West Half of the Northwest Quarter of Section 4, Township 42 North, Range 9 East of the Third Principal Meridian, (excepting therefrom that part lying East of and adjoining a line drawn at Right Angles to and extending South from a point on the North line of said 858.0 feet at a point 844.63 feet West of the Northeast corner of said South 858.0 feet of the West Half of the Northwest Quarter).

Parcel 2:

That part of the East Half Section 5, Township 42 North, Range 9 East of the Third Principal Meridian, describe as follows: Commencing at a point on the center line of Sutton Road which is 545.5 feet Northwesterly (as measured on said center line) from the intersection of center line of Donlea Road, said point of commencement also being the most Southwest corner of the Smith property; thence Northeasterly from the center of said road on the 73°53'30" Angle (measured Southeast to Northeast), a distance of 112.95 feet; thence on a 15°43'30" Angles to the right of the last describe Course, 151.80 feet; thence on a 18°34'30" Angle to the left of the last describe course, 99.35 feet; thence on a 19°09'30" Angle to the left of the last describe course, 214.65 feet for the point of beginning of the description; thence on a 84°22'00" Angle to the right of the last describe course, 491.10 feet to the center line of Donlea Road, thence Northeasterly along the centerline of Donlea Road 175.14 feet to the East line of Section 5 aforesaid; thence North on the East line of Section 5 aforesaid, to a point 501.0 feet North of the South line of the North Half of Section 5 aforesaid; thence Northwesterly 161.62 feet to a point on the West line of the East 140.0 feet of said Section 5; thence South on the West line of the East 140.0 feet of said Section 5, a distance of 247.43 feet; thence Southwesterly 279.87 feet to a point on the West line of the East 320.0 feet of said Section 5, said point being the Southeast corner of a Parcel of Land described as the West 467.0 feet of the East 787.0 feet of the South 467.0 feet of the North 767.0 feet of that part of the East Half of Section 5, Township 42 North, Range 9 East of the Third Principal Meridian, lying South of and adjoining a line drawn parallel to the South line of the North half of said Section 5; and said a parallel line being 1952.48 feet South of the Northeast corner of said Section 5, as measured on the East line of said Section 5, thence Southwesterly a distance of 319.52 feet to the point of beginning.

Parcel 3:

All that part of a Tract of Land (hereinafter described) lying Southerly of and adjoining a line drawn from a point on the West line of said Track which is 93.0 feet North of the Southwest corner thereof, to a point on the South line of said Tract which is 473.0 feet East of the Southwest corner thereof; said Track being described as the North 450.0 feet of the South 858.0 feet of the West Half of the Northwest Quarter of Section 4, Township 42 North, Range 9 East of the Third Principal Meridian (excepting therefrom that part of lying East of and adjoining a line drawn at Right Angles to and extending South from a point on the North line of the side South 858.0 feet at a point 844.63 feet West of the Northeast corner of said South 858.0 feet of the West Half of the Northwest Quarter), all in Cook County, Illinois.

and
echnology,inc.

CIVIL ENGINEERING ~ LAND SURVEYING
3922 W. Main St. ~ McHenry, IL 60050 815.363.9200 ~ fax: 815.363.9223
www.landtechnologyinc.com

August 21, 2015

Village of Barrington Hills
112 Algonquin Rd.
Barrington Hills, IL 60010

RE: Special Use Permit
300 Donlea Rd.
LTI #15-198

To Whom It May Concern:

In our opinion, the Site Plan submitted to the Board of Review meets the existing ordinances of the Village of Barrington Hills.

Please contact us if you have any questions.

Sincerely,

Scott R. Siman
President

RECEIVED
AUG 21 2015
VILLAGE OF BARRINGTON HILLS
BUILDING DEPARTMENT

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	6. NAME & ADDRESS OF ENGINEER/AGENT	7. NAME & ADDRESS OF CERT. WETLAND SPECIALIST
MICHAEL LERNER 300 DONLEA ROAD BARRINGTON HILLS, IL	JONATHAN M. JACOBS LAND TECHNOLOGY, INC 3922 W. MAIN ST. McHENRY, IL	N/A
Daytime Phone: 708-601-3812	Daytime Phone: 815-363-9200	Daytime Phone:
Fax:	Fax:	Fax:
Email:	Email:	Email:

RECEIVED
AUG 21 2015
VILLAGE OF BARRINGTON HILLS
BUILDING DEPARTMENT

8A. CHECK THE ONE CONDITION THAT APPLIES:

- [ ] Exempt, Watershed Development Permit Not Required (IV.A.2)
- [x] 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.)
- [x] 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 _____
- [x] Hydrologically Disturbs 5000 sq. ft. or More

9A. STORMWATER DATA SUMMARY

			Unit
Total Property Ownership	=	17.00	Acres
Hydrologic Disturbance	=	0.65	Acres
Watershed Area Tributary to Development	=		Acres
Proposed Impervious Area	=	0.33	Acres
Existing Impervious Area Pre-1992	=		Acres
Existing Impervious Area Post-1992	=		Acres
Detention Volume Required	=		Acre-ft.
Compensatory Storage Required	=		Acre-ft.
Depressional	=		Acre-ft.
Riverine 0- to 10-Year	=		Acre-ft.
Riverine 10- to 100-Year	=		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: POND, LANDSCAPED WATER FEATURES & LIFT STATION

10B. NAME OF DEVELOPMENT:

10C. SINGLE FAMILY HOME ONLY
Estimated future home value:

10D. LOCATION OF DEVELOPMENT

Street Address: 300 DONLEA ROAD

Municipality: BARRINGTON HILLS

Watershed: FOX RIVER — Sub-Watershed: SPRING CREEK

11. LEGAL DESCRIPTION

¼ Section	Section	Township	Range
SE	5	42N	9E

PIN 01-04-100-018/01-04-100-027/01-05-401-004
(If more than three PIN exists for the project, please include on a separate attachment)

Latitude: 42° 08' 48" N — Longitude: 88° 12' 01" W

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
BUILDING	BARRINGTON HILLS	PENDING		

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: [signature] — Date: 6-20-15

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: [signature] — P.E.#: 062-62565 — Date: 8/20/15
Print Name of Engineer: JONATHAN JACOBS

Signature of Certified Wetland Specialist: _____ — OAS#: _____ — 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.

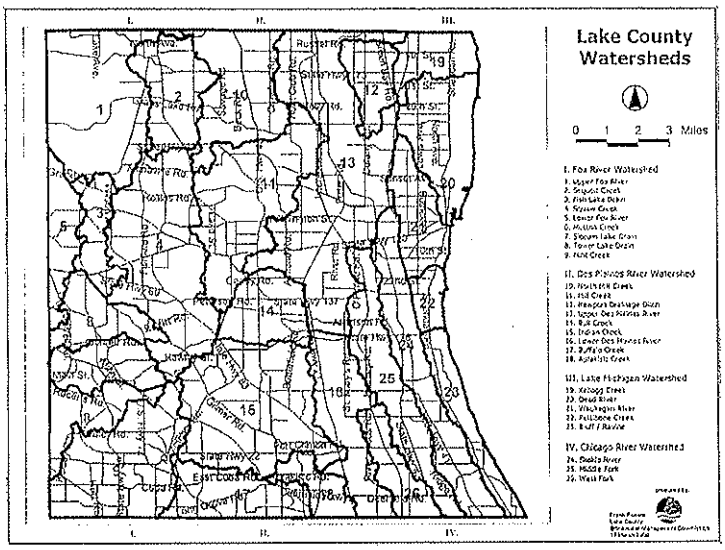
(j) Noncompliance with the conditions of this permit will be considered grounds for revocation.

(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.



ADDENDEUM

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

September 3, 2015

Mr. Jonathon Jacobs
Land Technology, Inc.
3922 W. Main Street
McHenry, Illinois 60050

Re: Special Use/Site Development Review
300 Donlea Road Artificial Pond
Review #1

Dear Mr. Jacobs:

Our office has reviewed the site development plan for the proposed pond at 300 Donlea Road. Based on our review revisions and additional information are needed prior to approval. The plan reviewed is dated August 14, 2015.

1. The Village Code designates artificial lakes (ponds) as a special use in the R-1 zoning district. We understand that the application is on the agenda of the Zoning Board of Appeals for September 21, 2015. No response to this comment is required.

2. The site development plans indicate an "approximate lot line" to the northwest of the construction limits. Given the proximity of grading to the property line, properly located boundaries should be shown on the plan to demonstrate that the previously completed grading as well as the proposed improvements are located entirely within the subject property.

3. As some grading work has already been completed on the property a separate sheet showing the existing conditions without the proposed grading should be provided.

4. The watershed development permit application should be updated to include the watershed area tributary to the development.

5. Provide calculations to demonstrate that the pond overflow structure is capable of passing the critical duration base flood without damages to downstream structures or property. Back-up information should also be provided for the proposed weir calculations. We do not anticipate that a landscaped weir would be able to accept 103 cfs without significant erosion.

6. Topography is required on the neighboring parcel to the south a minimum of 100' past the property line, and the location of the existing septic system should be confirmed to verify that the minimum setbacks would be met. Note that 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.

7. The plans show a schematic design for a proposed lift station. The plans should be enhanced to include additional details for this system including the elevation of the suction line, measures to avoid clogging of the suction line, and lift station and pump details.

8. The plan should be reviewed by the Village Arborist to confirm compliance with the Village's Heritage Tree Ordinance. It is noted that the base of tree #664 (22" Walnut) will be under the proposed normal water level and will receive over a foot of fill based on the proposed grading plan.

9. Provide a typical cross section detail for the proposed pond.

The final engineering submittal should include a cover letter with a written response to each of the above comments along with two sets of revised plans. The above review comments are provided based on the engineering information submitted. Additional comments may be generated as the final plans and associated materials are submitted. If there are any questions or further clarification of the comments is needed, I can be reached at 847-478-9700 or via email at dstrahan@gha-engineers.com

Sincerely,
Gewalt Hamilton Associates, Inc.

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

cc: Robert Kosin, Village of Barrington Hills
Wendi Frisen, Village of Barrington Hills
Michael & Jamie Lerner, Owners 300 Donlea Road Barrington Hills, IL 60010

GEWALT HAMILTON ASSOCIATES, INC.
CONSULTING ENGINEERS
625 Forest Edge Drive, Vernon Hills, IL 60061
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www.gha-engineers.com

July 6, 2015

Ms. Wendi Frisen
Building & Zoning Enforcement Department
Village of Barrington Hills
112 Algonquin Road
Barrington Hills, Illinois 60010

Re: 300 Donlea Road
Site Improvements

Dear Ms. Frisen:

Per your request I visited the property at 300 Donlea Road to review the scope of grading operations currently underway to the west of the existing residence. Based on my observations an artificial pond had been graded in the rear yard of the property that is well over 500 square feet in size, which is the threshold over which a pond requires submittal of a special use permit application.

A site development permit and watershed development permit application should be submitted for the work in progress as soon as possible. An application could then be submitted by the property owner to the Zoning Board of Appeals for consideration of a special use permit for an artificial pond. With the exception of stabilization and installation of erosion control measures, we would recommend that a stop work order be issued until a permit is secured for the proposed artificial pond.

Sincerely,
Gewalt Hamilton Associates, Inc.

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

cc: Robert Kosin, Village of Barrington Hills
Don Schuman, Village of Barrington Hills- Building Department

9355.600 300 Donlea Road- Pond- Permit Required

9355.600 300 Donlea Road- Pond- Permit Required

Robert Kosin <rkosin@barringtonhills-il.gov>

300 Donlea Road Public Comment

Robert Kosin <rkosin@barringtonhills-il.gov> Wed, Sep 9, 2015 at 11:03 AM
To: "David S. Morris" <dmorris@od-law.com>
Cc: Building Dept <build@vbhil.gov>, "Dan Strahan, P.E." <dstrahan@gha-engineers.com>

Dear Mr. Morris,

The attached public comment as received by the Village Clerk pertains to the water supply of the proposed pond (artificial lake).

If it is the intent of your client to augment the water supply with a well, please advise as to the size of pump, operational duration and finished pumping elevation.

This information would be included in the consideration of the special use application and reference in the site development permit from the Building Department. To that end please share the information obtained from your client with the persons copied in this request.

--
Robert Kosin
Village of Barrington Hills
112 Algonquin Rd, Barrington Hills, IL 60010-5199
847.551.3000 | BarringtonHills-il.gov

Mail_Comment_Well_Water.pdf
117K

Robert Kosin <rkosin@barringtonhills-il.gov>

Fwd: 300 Donlea Road Pond

1 message

Village Clerk <clerk@barringtonhills-il.gov> Fri, Sep 4, 2015 at 9:21 AM
To: Robert Kosin <rkosin@barringtonhills-il.gov>

For public comment on agenda. Sent to you for reference, no action required.

AP

---------- Forwarded message ----------
From: **S Smith** <smithstephenb@yahoo.com>
Date: Wed, Sep 2, 2015 at 9:05 AM
Subject: 300 Donlea Road Pond
To: "clerk@vbhil.gov" <clerk@vbhil.gov>
Cc: Mary Smith <smithmarys@yahoo.com>

September 2, 2015

Thank you for taking the time yesterday to discuss the new pond at 300 Donlea Road.

I have no objection with the creation of a new pond at this location, as long as it meets all of the Village codes. If any structures are to be built, such as the weir, they should meet the set back requirements that are in force.

I understand that Mr. Lerner plans to fill, and continue to fill, this pond by well water. Have the village engineers looked at the effect of this new well on our neighborhood?

Stephen B Smith
360 Old Sutton Road
Barrington, IL

--
Anna Paul
Village Clerk
Director of Communications
Village of Barrington Hills
112 Algonquin Rd. Barrington Hills, IL 60010-5199
847.551.2000 | @BarrHills_IL

To ensure compliance with the Open Meetings Act, elected or appointed members of the public body may reply to this message, but they should not forward it or send a copy of the reply to other members of the public body.

TAG #	SIZE	SPECIES	CONDITION	FORM	COMMENTS
627	15"	Siberian elm	fair	poor	strong lean
628	8"	Sugar maple	good	good	
629	14"	black cherry	fair	fair	
630	8"	black locust	good	poor	
631	7"	Siberian elm	fair	poor	
632	15"	boxelder maple	good	poor	strong lean
633	22"	basswood	poor	fair	basel cavity goes through trunk
634	9"	basswood	good	fair	
635	11", 9"	basswood	good	poor	multi-stem
636	6"	red oak	good	fair	
637	13"	cherry	fair	fair	mech. Damage at base
638	14"	red oak	good	good	
639	14"	red oak	good	good	
640	19"	red oak	good	good	Remove fill to return to original grade
641	8"	red oak	good	fair	Remove fill to return to original grade
642	13", 13"	cherry	good	gfair	Remove fill to return to original grade
643	8"	red maple	good	good	Remove fill to return to original grade
644	19"	hickory	good	good	Remove fill to return to original grade
645	18"	red oak	good	good	Remove fill to return to original grade
646	7"	red oak	good	good	Remove fill to return to original grade
647	19"	box elder	poor	fair	Remove fill to return to original grade
648	26"	Sugar maple	good	fair	Remove fill to return to original grade
649	25"	red oak	good	good	Remove fill to return to original grade
650	26"	red oak	good	good	Remove fill to return to original grade
651	18"	Sugar maple	good	good	Remove fill to return to original grade
652	25"	red oak	good	fair	Remove fill to return to original grade
653	5"	white oak	good	good	Remove fill to return to original grade
654	3"	hickory	good	good	Remove fill to return to original grade
655	8"	red oak	good	good	Remove fill to return to original grade
656	20"	cherry	god	fair	co-dominant leader
657	23"	cherry	good	good	
658	9"	cherry	good	poor	lean
659	30"	Sugar maple	fair	good	preserve
660	17"	cherry	good	good	
661	8"	basswood	good	good	
662	22"	red oak	good	good	
663	27"	red oak	good	good	preserve
664	22"	walnut	good	good	return to original grade
665	13"	walnut	good	good	return to original grade
666	11"	walnut	good	good	return to original grade
667	5"	hickory	good	good	return to original grade
668	11", 4"	cherry	good	fair	lean/multi-stem
669	20"	cherry	good	fair	co-dominant leader
670	11"	cherry	good	good	
671	10"	sugar maple	good	good	
672	11"	cherry	poor	fair	return to original grade
673	8"	cherry	good	good	return to original grade
674	4"	hickory	fair	good	return to original grade
675	14"	cherry	fair	good	return to original grade
676	27"	Siberian elm	poor	foor	
677	14"	Siberian elm	good	good	
678	21"	Siberian elm	good	fair	
679	19"	hickory	good	good	
680	6"	red oak	good	good	
681	12"	Siberian elm	fair	fair	
682	6"	Siberian elm	good	fair	
683	10"	Siberian elm	gair	fiar	
684	13"	Siberian elm	poor	fair	basel cavity
685	10"	Siberian elm	gair	good	
686	13"	Siberian elm	good	good	
687	8"	Siberian elm	poor	poor	
688	11"	Siberian elm	fair	fair	
689	9"	Siberian elm	good	fair	
690	12", 8"	box elder/maple	fair	poor	multi-stem w/ cavity
691	9"	cherry	gair	fair	
692	13"	linden	god	fair	
693	8"	Siberian elm	good	poor	
694	14"	Sugar maple	good	fair	
695	36"	burr oak	good	good	
696	21"	beech	good	good	
697	25"	burr oak	poor	fair	soil eroded from under roots/crown
698	25"	burr oak	poor	poor	soil eroded from under roots/crown

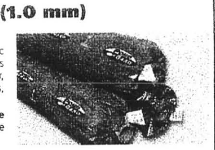
ARBORIST NOTES BY "CARE OF TREES"

1. Carefully pull the fill from the critical root zone of the trees. The area within 2' of the trunk will have to be dug by hand.
2. Apply a 3-4" layer of wood chips under the dripline of the trees impacted. Keep the area 1' from the trunk bare soil.
3. Inject liquid humates into the soil under the dripline of the trees
4. I suggest that you show the access rout on the plan by the pasture to bring equipment the work zone.
5. We will need to set up a pre-construction with the person that will be running the grading machine before construction starts.

Technical Information Sheet

Firestone Pond Gard Liners for Life

Firestone PondGard™ membrane (1.0 mm)



1. Description

The Firestone PondGard™ 1.0 mm (.040") liner is a cured single-ply synthetic rubber membrane made of ethylene-propylene-diene terpolymer (EPDM). It is available in a variety of panel sizes. Depending on the dimensions of the liner, the waterproofing surface may be seamless (up to 930 m²). In other situations, seams can be made using a self-adhesive tape.

Because of its specific formulation and production process, **only the Firestone PondGard is guaranteed to be compatible with aquatic life** in accordance with testing reports published by the Water Research Centre in the UK.

2. Preparation

Product: Allow the membrane to relax for approximately 30 minutes before splicing.

Substrate: The substrate needs to be smooth, dry and free of sharp objects, oil, grease and other materials that may damage the membrane.

3. Application

Install the Firestone PondGard in accordance with current specifications and details.

4. Coverage

The dimensions of the Firestone PondGard are calculated to cover the base of the water feature, slopes and anchor trenches, including seam overlap.

5. Characteristics

The Firestone PondGard is a rubber material with the following properties:

Physical
- Elastomeric membrane with a good combination of high elasticity and tensile strength
- Retains its flexibility at low temperature (-45°C)
- Resists temperature shocks up to 250°C
- Excellent resistance to U.V. radiation and ozone concentration
- Excellent resistance to alkali rains

Technical
- Base: synthetic rubber
- Colour: black
- Solvents: none
- Solids (%): 100
- State: cured
- Storage: Store the membrane in a dry place until use

6. Technical Specifications

Physical Properties	Test Method	Declared value	Tolerance	Unit
Mass per unit area	EN 1849-2	1170	± 5%	g/m²
Tensile strength (MD/CD)	ISO R 527	9	- 1	N/mm²
Elongation (MD/CD)	ISO R 527	≥ 250		%
Dimensional stability	EN 1107-2	≤ 0.5		%
Flexibility at low temperature	EN 495-5	≤ -45		°C
Resistance to static puncture	EN ISO 12236	0.6	- 0.1	kN
Water permeability (Liquid tightness)	EN 14150	3.0 10⁻⁶	± 10⁻⁶	m³/m²d
Durability - weathering (25y)	EN 12224	Pass		
Durability - oxidation	EN 14575	Pass		

7. Precautions

Take care when moving, transporting or handling to avoid sources of punctures and physical damage. Isolate waste products, such as petroleum products, greases, oils (mineral and vegetable) and animal fats from the membrane.

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.

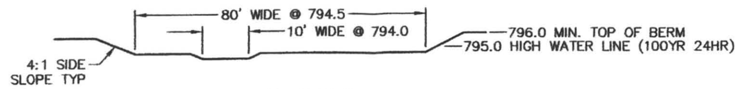
N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

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.

U:\Regulatory Program\SESC handouts\SE-SC Notes 2013 TAC-approved.docx

Soil Erosion and Sediment Control

- The soil and erosion control provisions shall be constructed in accordance with the construction specifications of the Illinois Urban Manual.
- All erosion control measures shall be installed prior to the onset of construction.
- Inspection and maintenance records for the erosion and sediment control measures are required to be kept on-site. Copies of the inspection records are required to be submitted to the county in a monthly inspection report.
- Additional erosion control provisions to those shown on the plans may be required by the Enforcement Officer as warranted by the site conditions.
- All temporary erosion and sediment control measures are required to be removed within 30 days after final site stabilization is achieved. All trapped sediment is required to be properly stabilized or disposed.



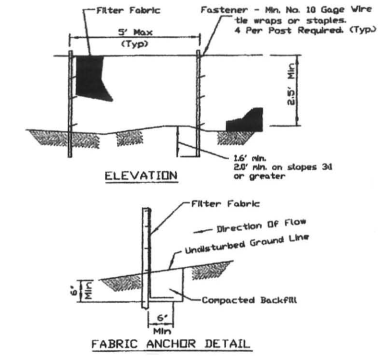
OVERFLOW WIER DETAIL
NOT TO SCALE

Q = CiA
C = COMPOSITE SUBURBAN/RES = 0.55
i = LAKE CO 100 YR 5 MIN Tc = 9.36
A = ESTIMATED MAXIMUM = 20 ACRES
Q = 102.96 CUBIC FEET / SECOND

VOLUME CALCULATION

Required Overflow		
Required Flow Rate	Q (CFS)	103
Estimated Length of Weir	L (FT)	80
Height Required	H (FT)=	***0.52***
Provided Overflow		
Height	H (FT)	0.52
Length of Weir	L (FT)	80
$Q=3.39LH^{3/2}$	Q (CFS)=	***101.69***

WIER CALCULATION



Installation Requirements
- All materials and the installation process must conform with AASHTO - 288-00 standards
- Posts to be:
  - Wood, steel or synthetic
  - Minimum length of 3.2 ft. + burial depth
    - Bury 1.6 ft.on slopes less than 3:1
    - Bury 2.0 ft. on slopes 3:1 or greater
- Post dimensions
  - Hardwood = 1.2" x 1.2"
  - Pine = 2.6" x 2.6"
  - Steel = U,T,L, or C shape, weighing 1.3 lbs / ft.
- Fabric buried in a "J" configuration to a minimum depth of 5.9" in a trench
  - Trench to be backfilled and compacted

SILT FENCE DETAIL

LEGEND

= EXISTING CONTOURS

= PROPOSED CONTOURS

DECIDUOUS TREE

NOTE: THIS LOT IS NOT ON CITY SEWER AND WATER

GENERAL NOTES:

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3. THE CONTRACTOR SHALL VERIFY ALL EXISTING FIELD CONDITIONS PRIOR TO INITIATING ANY CONSTRUCTION.
4. ALL INSTALLATIONS SHALL CONFORM TO THE APPROPRIATE REGULATORY AGENCY REQUIREMENTS.
5. ERRORS IN TOPOGRAPHY AND/OR FAILURE TO NOTIFY ENGINEER OF DISCREPANCIES SHALL VOID THIS DESIGN.

N E S W

SCALE: *1"=20'*

JULIE
1-800-892-0123
Call 48 hours before you dig (Excluding Sat., Sun.(Holidays)

RESIDENTIAL/COMMERCIAL/INDUSTRIAL
CIVIL ENGINEERING AND LAND SURVEYING SERVICES
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3922 W. MAIN STREET McHENRY, IL. 60050
P: (815)363-9200 F: (815)363-9223
E: LANDTECH@LANDTECHNOLOGYINC.COM
ILLINOIS PROFESSIONAL DESIGN FIRM No. 184-001331

SPECIAL NOTE

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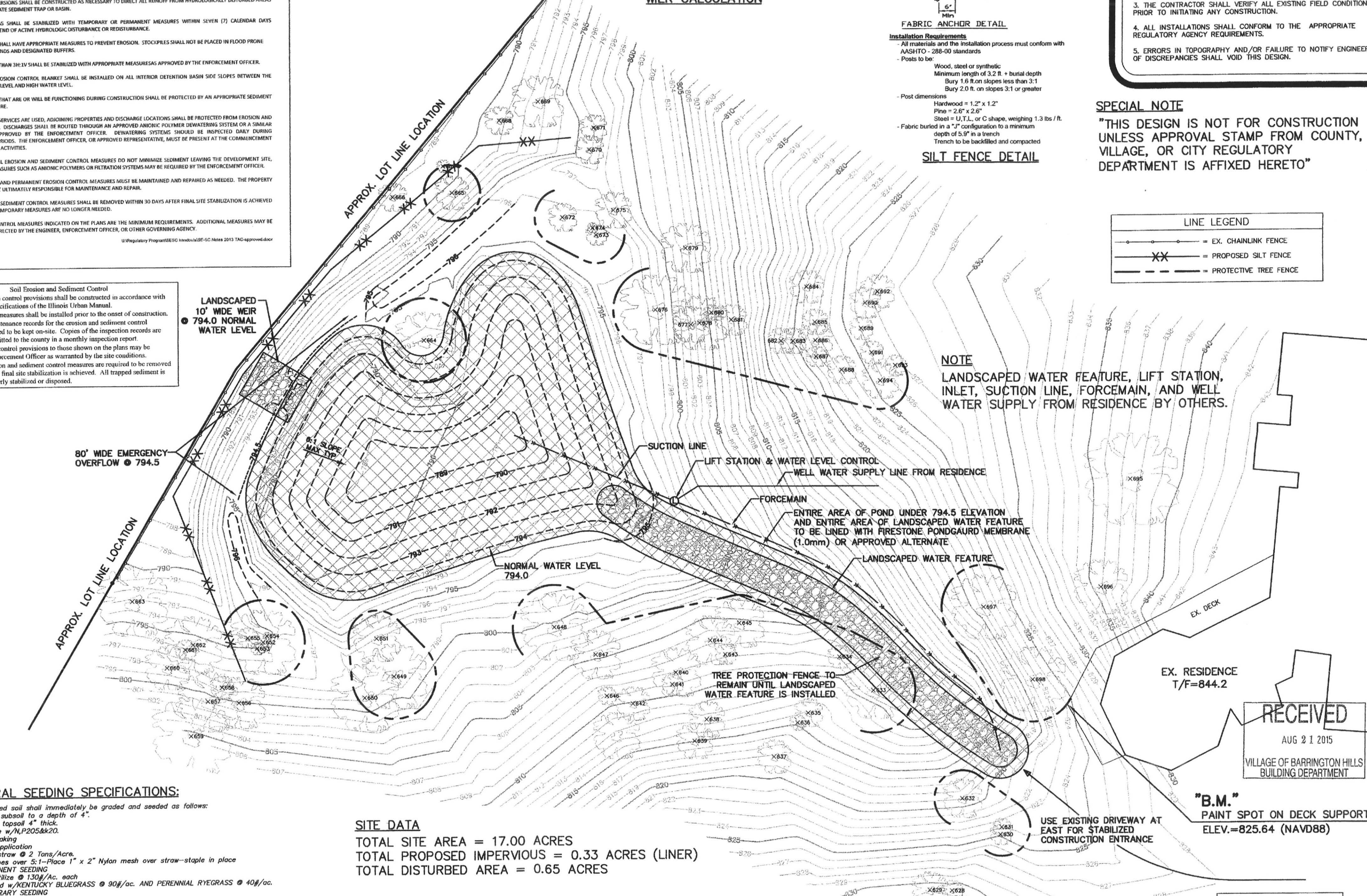
LINE LEGEND	
—o—o—o—	= EX. CHAINLINK FENCE
—XX—	= PROPOSED SILT FENCE
— — —	= PROTECTIVE TREE FENCE



NOTE

LANDSCAPED WATER FEATURE, LIFT STATION, INLET, SUCTION LINE, FORCEMAIN, AND WELL WATER SUPPLY FROM RESIDENCE BY OTHERS.

RECEIVED
AUG 21 2015
VILLAGE OF BARRINGTON HILLS BUILDING DEPARTMENT

GENERAL SEEDING SPECIFICATIONS:

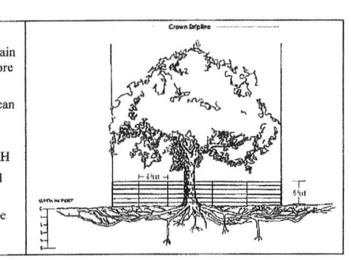
All disturbed soil shall immediately be graded and seeded as follows:
1) *Scarify subsoil to a depth of 4".*
2) *Spread topsoil 4" thick.*
3) *Fertilize w/N,P2O5&k20.*
4) *Final Raking*
5) *Seed Application*
6) *Apply straw @ 2 Tons/Acre.*
7) *All slopes over 5:1–Place 1" x 2" Nylon mesh over straw–staple in place*
8) *PERMANENT SEEDING*
   a) *Fertilize @ 130#/Ac. each*
   b) *Seed w/KENTUCKY BLUEGRASS @ 90#/ac. AND PERENNIAL RYEGRASS @ 40#/ac.*
9) *TEMPORARY SEEDING*
   a) *Fertilize @ 60#/Ac. each*
   Seed w/Cerea Rye @ 300#/Ac. Oats @ 300#/Ac. & Perennial Rye @30#/Ac.
10) *DORMANT SEEDING (Nov. 1 – Mar.15)*
   a) *Increase seeding Application by 50%*

NOTES:
1) *All disturbed areas (except those to be paved) shall have temporary seed and mulch applied immediately following rough grading.*
2) *The owner shall be totally responsible for erosion control and detention measures before, during and after construction.*
3) *Erosion control and construction shall conform with standards set forth by the "Illinois Procedures and Standards for Urban Soil Erosion and Sedimentation Control" manual, latest edition (rev. July, 1988).*
4) *Dust & Traffic Control*
   It shall be the responsibility of the developer to minimize dust blowing from the construction site. If dust begins blowing from the site all roadways shall be treated with a dust control binder (Curasol Terratack or equal). Apply as needed according to manufacture's directions.
5) *Barrier Filter Placement Detail:*
   a) *Maintain detention Barrier Filters and all Swale and Structure Filters until an acceptable stand of grass is established upstream.*
   b) *After removal of Filters, place sod around structures.*

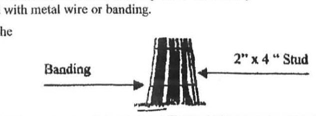
SITE DATA

TOTAL SITE AREA = 17.00 ACRES
TOTAL PROPOSED IMPERVIOUS = 0.33 ACRES (LINER)
TOTAL DISTURBED AREA = 0.65 ACRES

Protective Tree Fencing:
- Protective Tree Fencing must be wire mesh or welded wire fencing (chain link), 6 feet high with steel or wooden posts installed and spaced no more than 8 feet apart.
- Protective Tree Fencing must extend to the dripline of the tree (which can be estimated at 1 foot for every 1 inch of DBH). But in no case shall fencing be:
  - less of a radius of 10 feet from trees up to 18 inches DBH
  - less of a radius of 15 feet from trees 18 inches DBH and larger
- Protective Tree Fencing must remain intact for the entire duration of the construction project and may not be moved or removed for any reason without Forestry Department approval ONLY.



Banding or Boards and Straps:
- Banding is used to protect tree trunks only.
- 2x4, 2x6 or 1x6 wood planks must be erected vertically and continuously around the trunk, fastened with metal wire or banding.
- No nails may be used on the tree.



SYMBOL LEGEND	
PROP.	= PROPOSED IMPROVEMENTS
(L)	LIFT STATION

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SITE PLAN:

300 DONLEA RD, BARRINGTON HILLS
PINS: 01-04-100-018, 01-04-100-027, 01-05-401-004
CLIENT: LERNER

REVISIONS:

JONATHAN M. JACOBS 062-62565 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
EXPIRES 11/30/15

DRAWN BY: DRD

CHCK'D BY: SRS/JMJ

I:\2015\15216\SITE 8-14-15.dwg

DATE: 8/14/15

PAGE 1 OF 1

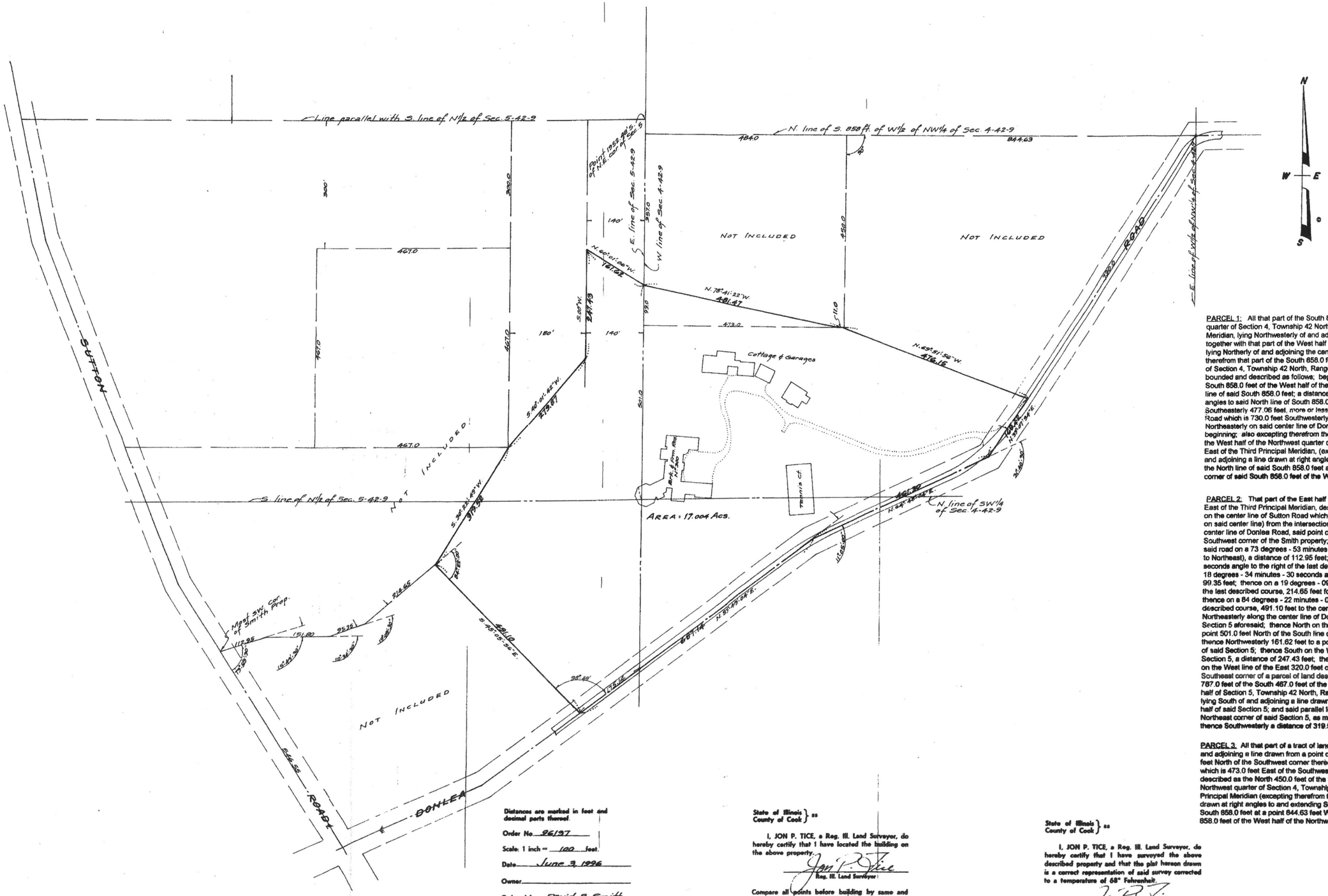
DRAWING NUMBER: *15-216*

PLAT OF SURVEY

1312 N. HOFFMAN AVENUE
PARK RIDGE, ILLINOIS 60068

BY
JON P. TICE
REGISTERED ILLINOIS LAND SURVEYOR

TICE SURVEY CO.
PHONE: 823-5947



PARCEL 1: All that part of the South 858.0 feet of the West half of the Northwest quarter of Section 4, Township 42 North, Range 9 East of the Third Principal Meridian, lying Northwesterly of and adjoining the center line of Donlea Road, together with that part of the West half of the Southwest quarter of said Section 4, lying Northerly of and adjoining the center line of Donlea Road (excepting therefrom that part of the South 858.0 feet of the West half of the Northwest quarter of Section 4, Township 42 North, Range 9 East of the Third Principal Meridian, bounded and described as follows; beginning at the Northeast corner of said South 858.0 feet of the West half of the Northwest quarter; thence West on North line of said South 858.0 feet; a distance of 844.63 feet; thence South at right angles to said North line of South 858.0 feet, a distance of 450.0 feet; thence Southeasterly 477.06 feet, more or less, to a point on the center line of Donlea Road which is 730.0 feet Southwesterly of the place of beginning; thence Northeasterly on said center line of Donlea Road, 730.0 feet to the place of beginning; also excepting therefrom the North 450.0 feet of the South 858.0 feet of the West half of the Northwest quarter of Section 4, Township 42 North, Range 9 East of the Third Principal Meridian, (excepting therefrom that part lying East of and adjoining a line drawn at right angles to and extending South from a point on the North line of said South 858.0 feet at a point 844.63 feet West of the Northeast corner of said South 858.0 feet of the West half of the Northwest quarter).

PARCEL 2: That part of the East half of Section 5, Township 42 North, Range 9 East of the Third Principal Meridian, described as follows: commencing at a point on the center line of Sutton Road which is 546.55 feet Northwesterly (as measured on said center line) from the intersection of center line of Sutton Road with the center line of Donlea Road, said point of commencment also being the most Southwest corner of the Smith property; thence Northeasterly from the center of said road on a 73 degrees - 53 minutes - 30 seconds angle (measured Southeast to Northeast), a distance of 112.95 feet; thence on a 15 degrees - 43 minutes - 30 seconds angle to the right of the last described course, 151.80 feet; thence on a 18 degrees - 34 minutes - 30 seconds angle to the left of the last described course, 99.35 feet; thence on a 19 degrees - 09 minutes - 30 seconds angle to the left of the last described course, 214.65 feet for the point of beginning of this description; thence on a 84 degrees - 22 minutes - 00 seconds angle to the right of the last described course, 491.10 feet to the center line of Donlea Road; thence Northeasterly along the center line of Donlea Road, 175.14 feet to the East line of Section 5 aforesaid; thence North on the East line of Section 5 aforesaid, to a point 501.0 feet North of the South line of the North half of Section 5 aforesaid; thence Northwesterly 161.62 feet to a point on the West line of the East 140.0 feet of said Section 5; thence South on the West line of the East 140.0 feet of said Section 5, a distance of 247.43 feet; thence Southwesterly 279.87 feet to a point on the West line of the East 320.0 feet of said Section 5; said point being the Southeast corner of a parcel of land described as the West 467.0 feet of the East 787.0 feet of the South 467.0 feet of the North 767.0 feet of that part of the East half of Section 5, Township 42 North, Range 9 East of the Third Principal Meridian, lying South of and adjoining a line drawn parallel with the South line of the North half of said Section 5; and said parallel line being 1952.26 feet South of the Northeast corner of said Section 5, as measured on the East line of Section 5; thence Southwesterly a distance of 319.52 feet to the point of beginning.

PARCEL 3. All that part of a tract of land (hereinafter described) lying Southerly of and adjoining a line drawn from a point on the West line of said tract which is 93.0 feet North of the Southwest corner thereof, to a point on the South line of said tract which is 473.0 feet East of the Southwest corner thereof; said tract being described as the North 450.0 feet of the South 858.0 feet of the West half of the Northwest quarter of Section 4, Township 42 North, Range 9 East of the Third Principal Meridian (excepting therefrom that part lying East of and adjoining a line drawn at right angles to and extending South from a point on the North line of said South 858.0 feet at a point 844.63 feet West of the Northeast corner of said South 858.0 feet of the West half of the Northwest quarter), all in Cook County, Illinois.

Distances are marked in feet and decimal parts thereof.

Order No. 26197

Scale: 1 inch = 100 feet.

Date June 3, 1996

Owner

Ordered by David B. Smith

State of Illinois } ss
County of Cook }

I, JON P. TICE, a Reg. Ill. Land Surveyor, do hereby certify that I have located the building on the above property.

Jon P. Tice
Reg. Ill. Land Surveyor

Compare all points before building by same and at once report any difference.

Refer to deed or abstract for building restrictions.

Use Order Number for all future reference.

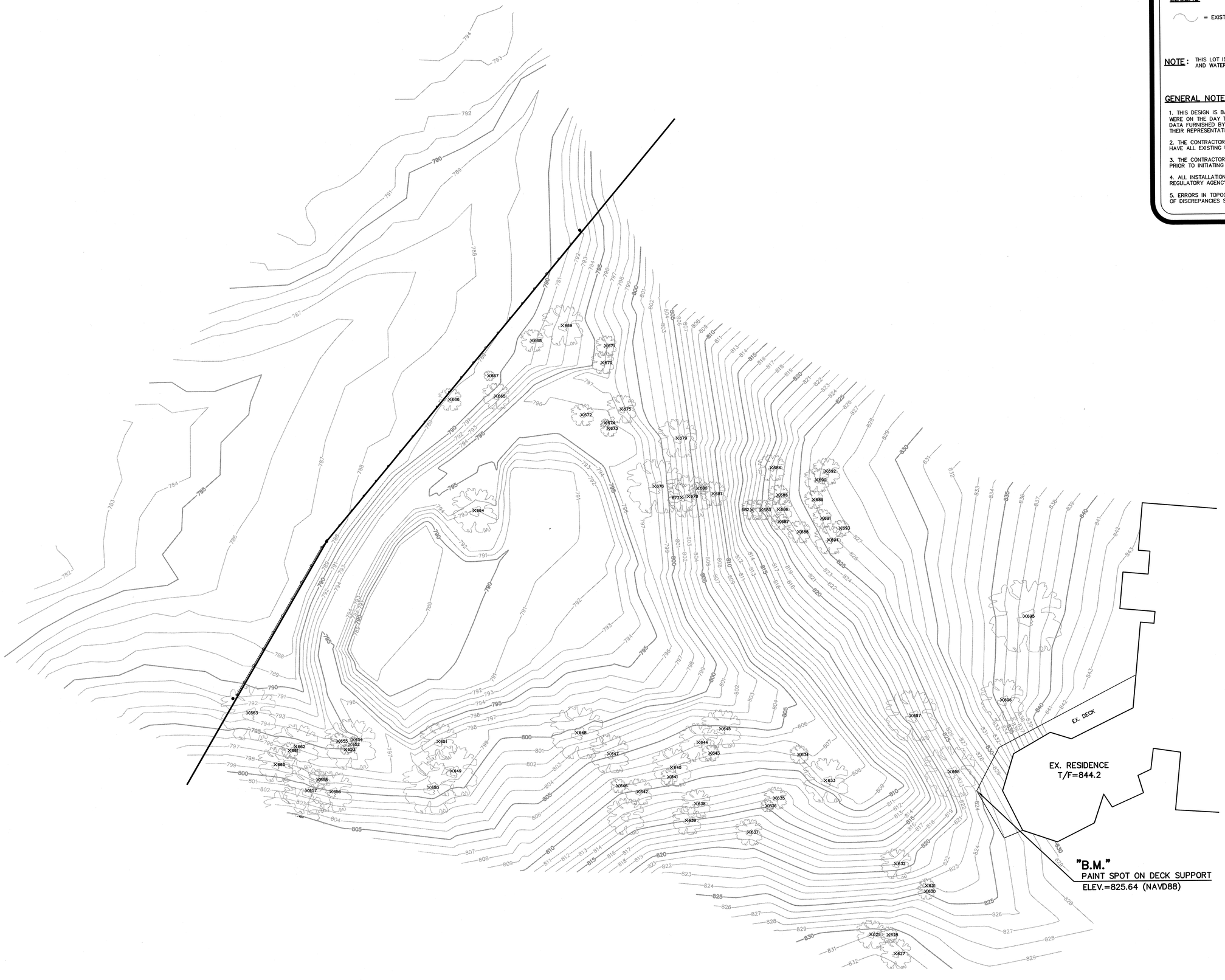
Survey not valid without RAISED embossed seal of Surveyor preparing same.

State of Illinois } ss
County of Cook }

I, JON P. TICE, a Reg. Ill. Land Surveyor, do hereby certify that I have surveyed the above described property and that the plat hereon drawn is a correct representation of said survey corrected to a temperature of 68° Fahrenheit.

Jon P. Tice
Reg. Ill. Land Surveyor No. 1705

RECEIVED
AUG 21 2015
VILLAGE OF BARRINGTON HILLS
BUILDING DEPARTMENT



LEGEND

= EXISTING CONTOURS

DECIDUOUS TREE

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N W E S

SCALE:
1"=20'

RESIDENTIAL/COMMERCIAL/INDUSTRIAL
CIVIL ENGINEERING AND
LAND SURVEYING SERVICES

land technology.inc.

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No. 184-001331

EXISTING CONDITIONS:

300 DONLEA RD, BARRINGTON HILLS
PINS: 01-04-100-018, 01-04-100-027, 01-05-401-004
CLIENT: LERNER

REVISIONS:			
REV 1	9/17/15	REVISED PER 9/3/15 VILLAGE REVIEW	DRD
REV 2	10/1/15	REV'D LOT LINES & ADD LIFT STATION DETAILS/SPECS	DRD
REV 3	10/8/15	REVISED PER 10/8/15 VILLAGE REVIEW	DRD

JONATHAN M. JACOBS
062-62565
REGISTERED
PROFESSIONAL
ENGINEER
OF
ILLINOIS

EXPIRES
11/30/15

DRAWN BY: DRD

CHCK'D BY: SRS/JMJ

I:\2015\15216\SITE 10-8-15.dwg

DATE: 8/14/15

DRAWING NUMBER:
15-216

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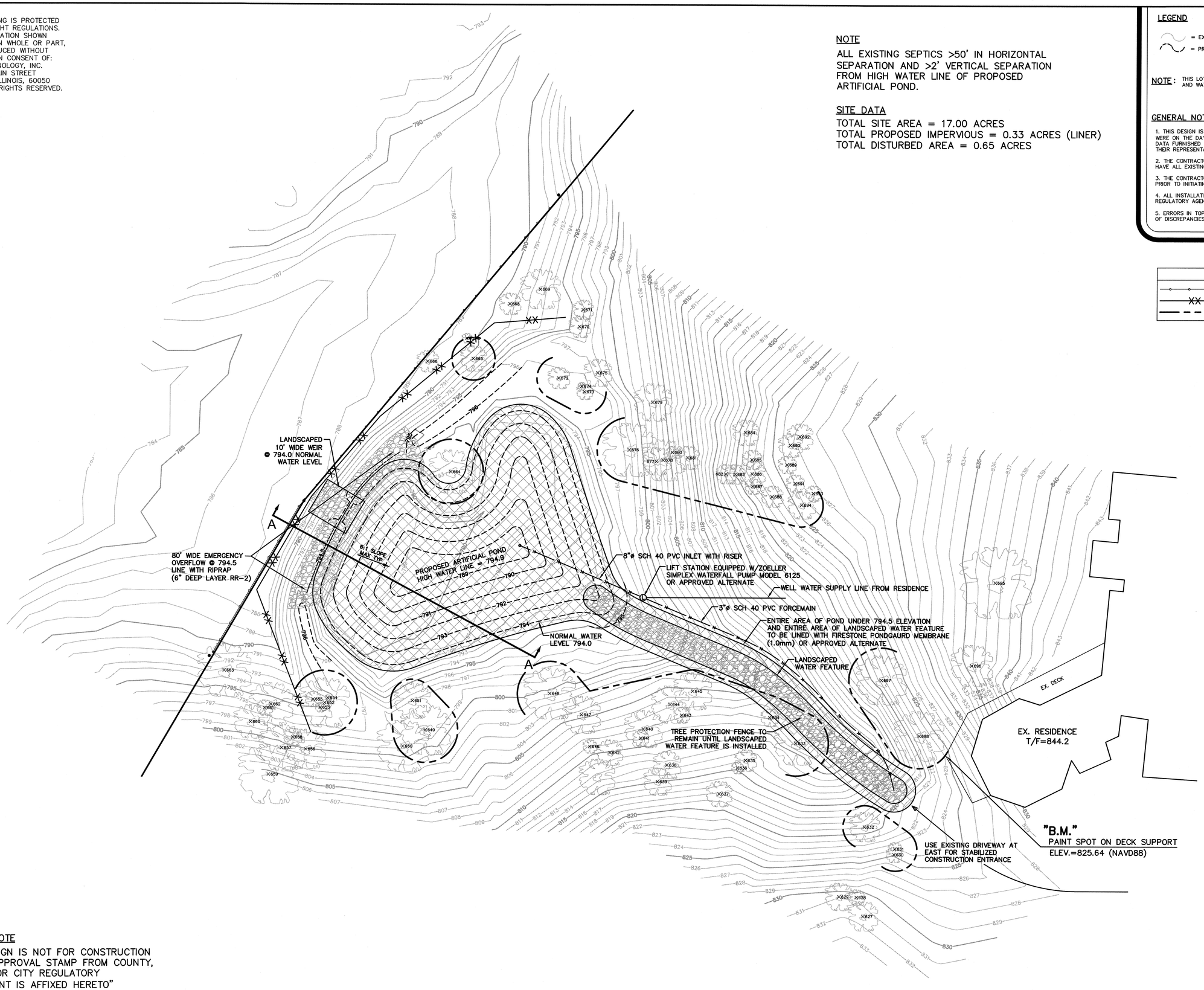
NOTE

ALL EXISTING SEPTICS >50' IN HORIZONTAL SEPARATION AND >2' VERTICAL SEPARATION FROM HIGH WATER LINE OF PROPOSED ARTIFICIAL POND.

SITE DATA

TOTAL SITE AREA = 17.00 ACRES
TOTAL PROPOSED IMPERVIOUS = 0.33 ACRES (LINER)
TOTAL DISTURBED AREA = 0.65 ACRES



LEGEND

= EXISTING CONTOURS
= PROPOSED CONTOURS
DECIDUOUS TREE

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LINE LEGEND

= EX. CHAINLINK FENCE
= PROPOSED SILT FENCE
= PROTECTIVE TREE FENCE

SYMBOL LEGEND

PROP.	= PROPOSED IMPROVEMENTS
Ⓛ	LIFT STATION

N W E S

SCALE: 1"=20'

JULIE 1-800-892-0123
Call 48 hours before you dig (Excluding Sat., Sun.(Holidays)

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JONATHAN M. JACOBS 062-62568 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
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DRAWN BY: DRD
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TAG #	SIZE	SPECIES	CONDITION	FORM	COMMENTS
627	15"	Siberian elm	fair	poor	strong lean
628	8"	Sugar maple	good	good	
629	14"	black cherry	fair	fair	
630	8"	black locust	good	poor	
631	7"	Siberian elm	fair	poor	
632	15"	boxelder maple	good	poor	strong lean
633	22"	basswood	poor	fair	basel cavity goes through trunk
634	9"	basswood	good	fair	
635	11", 9"	basswood	good	poor	multi-stem
636	6"	red oak	good	fair	
637	13"	cherry	fair	fair	mech. Damage at base
638	14"	red oak	good	good	
639	14"	red oak	good	good	
640	19"	red oak	good	good	Remove fill to return to original grade
641	8"	red oak	good	fair	Remove fill to return to original grade
642	13", 13"	cherry	good	gfair	Remove fill to return to original grade
643	8"	red maple	good	good	Remove fill to return to original grade
644	19"	hickory	good	good	Remove fill to return to original grade
645	18"	red oak	good	good	Remove fill to return to original grade
646	7"	red oak	good	good	Remove fill to return to original grade
647	19"	box elder	poor	fair	Remove fill to return to original grade
648	26"	Sugar maple	good	fair	Remove fill to return to original grade
649	25"	red oak	good	good	Remove fill to return to original grade
650	26"	red oak	good	good	Remove fill to return to original grade
651	18"	Sugar maple	good	good	Remove fill to return to original grade
652	25"	red oak	good	fair	Remove fill to return to original grade
653	5"	white oak	good	good	Remove fill to return to original grade
654	3"	hickory	good	good	Remove fill to return to original grade
655	8"	red oak	good	good	Remove fill to return to original grade
656	20"	cherry	god	fair	co-dominant leader
657	23"	cherry	good	good	
658	9"	cherry	good	poor	lean
659	30"	Sugar maple	fair	good	preserve
660	17"	cherry	good	good	
661	8"	basswood	good	good	
662	22"	red oak	good	good	
663	27"	red oak	good	good	preserve
664	22"	walnut	good	good	return to original grade
665	13"	walnut	good	good	return to original grade
666	11"	walnut	good	good	return to original grade
667	5"	hickory	good	good	return to original grade
668	11", 4"	cherry	good	fair	lean/multi-stem
669	20"	cherry	good	fair	co-dominant leader
670	11"	cherry	good	good	
671	10"	sugar maple	good	good	
672	11"	cherry	poor	fair	return to original grade
673	8"	cherry	good	good	return to original grade
674	4"	hickory	fair	good	return to original grade
675	14"	cherry	fair	good	return to original grade
676	27"	Siberian elm	poor	foor	
677	14"	Siberian elm	good	good	
678	21"	Siberian elm	good	fair	
679	19"	hickory	good	good	
680	6"	red oak	good	good	
681	12"	Siberian elm	fair	fair	
682	6"	Siberian elm	good	fair	
683	10"	Siberian elm	gair	fiar	
684	13"	Siberian elm	poor	fair	basel cavity
685	10"	Siberian elm	gair	good	
686	13"	Siberian elm	good	good	
687	8"	Siberian elm	poor	poor	
688	11"	Siberian elm	fair	fair	
689	9"	Siberian elm	good	fair	
690	12", 8"	box elder/maple	fair	poor	multi-stem w/ cavity
691	9"	cherry	gair	fair	
692	13"	linden	god	fair	
693	8"	Siberian elm	good	poor	
694	14"	Sugar maple	good	fair	
695	36"	burr oak	good	good	
696	21"	beech	good	good	
697	25"	burr oak	poor	fair	soil eroded from under roots/crown
698	25"	burr oak	poor	poor	soil eroded from under roots/crown

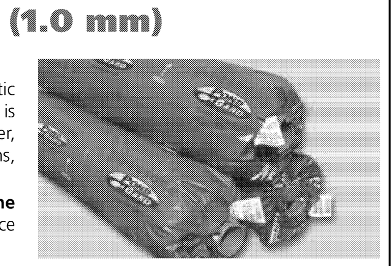
ARBORIST NOTES BY "CARE OF TREES"

1. Carefully pull the fill from the critical root zone of the trees. The area within 2' of the trunk will have to be dug by hand.
2. Apply a 3-4" layer of wood chips under the dripline of the trees impacted. Keep the area 1' from the trunk bare soil.
3. Inject liquid humates into the soil under the dripline of the trees
4. I suggest that you show the access rout on the plan by the pasture to bring equipment the work zone.
5. We will need to set up a pre-construction with the person that will be running the grading machine before construction starts.

Technical Information Sheet

Firestone POND GARD Lining for Life

Firestone PondGard™ membrane (1.0 mm)



1. Description

The Firestone PondGard™ 1.0 mm (.040") liner is a cured single-ply synthetic rubber membrane made of ethylene-propylene-diene terpolymer (EPDM). It is available in a variety of panel sizes. Depending on the dimensions of the liner, the waterproofing surface may be seamless (up to 930 m²). In other situations, seams can be made using a self-adhesive tape.

Because of its specific formulation and production process, **only the Firestone PondGard is guaranteed to be compatible with aquatic life** in accordance with testing reports published by the Water Research Centre in the UK.

2. Preparation

Product: Allow the membrane to relax for approximately 30 minutes before splicing.

Substrate: The substrate needs to be smooth, dry and free of sharp objects, oil, grease and other materials that may damage the membrane.

3. Application

Install the Firestone PondGard in accordance with current specifications and details.

4. Coverage

The dimensions of the Firestone PondGard are calculated to cover the base of the water feature, slopes and anchor trenches, including seam overlap.

5. Characteristics

The Firestone PondGard is a rubber material with the following properties:

Physical	• Elastomeric membrane with a good combination of high elasticity and tensile strength	
	• Retains its flexibility at low temperature (-45°C)	
	• Resists temperature shocks up to 250°C	
	• Excellent resistance to U.V. radiation and ozone concentration	
	• Excellent resistance to alkali rains	
Technical	• Base	synthetic rubber
	• Colour	black
	• Solvents	none
	• Solids (%)	100
	• State	cured
	• Storage	Store the membrane in a dry place until use

6. Technical Specifications

Physical Properties	Test Method	Declared value	Tolerance	Unit
Mass per unit area	EN 1849-2	1170	± 5%	g/m²
Tensile strength (MD/CD)	ISO R 527	9	- 1	N/mm²
Elongation (MD/CD)	ISO R 527	≥ 250		%
Dimensional stability	EN 1107-2	≤ 0.5		%
Flexibility at low temperature	EN 495-5	≤ -45		°C
Resistance to static puncture	EN ISO 12236	0.6	- 0.1	kN
Water permeability (Liquid tightness)	EN 14150	3.0 10⁻⁶	± 10⁻⁶	m³/m²d
Durability - weathering (25y)	EN 12224	Pass		
Durability - oxidation	EN 14575	Pass		

7. Precautions

Take care when moving, transporting or handling to avoid sources of punctures and physical damage. Isolate waste products, such as petroleum products, greases, oils (mineral and vegetable) and animal fats from the membrane.

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.

U:\Regulatory Program\SESC handouts\SE-SC Notes 2013 TAC-approved.docx

Soil Erosion and Sediment Control

- The soil and erosion control provisions shall be constructed in accordance with the construction specifications of the Illinois Urban Manual.
- All erosion control measures shall be installed prior to the onset of construction.
- Inspection and maintenance records for the erosion and sediment control measures are required to be kept on-site. Copies of the inspection records are required to be submitted to the county in a monthly inspection report.
- Additional erosion control provisions to those shown on the plans may be required by the Enforcement Officer as warranted by the site conditions.
- All temporary erosion and sediment control measures are required to be removed within 30 days after final site stabilization is achieved. All trapped sediment is required to be properly stabilized or disposed.

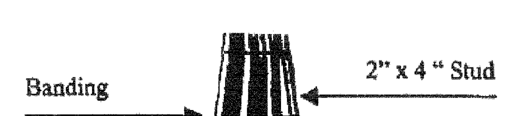
GENERAL SEEDING SPECIFICATIONS:

All disturbed soil shall immediately be graded and seeded as follows:
1) Scarify subsoil to a depth of 4".
2) Spread topsoil 4" thick.
3) Fertilize w/N,P205&k20.
4) Final Raking
5) Seed Application
6) Apply straw @ 2 Tons/Acre.
7) All slopes over 5:1—Place 1" x 2" Nylon mesh over straw—staple in place
8) PERMANENT SEEDING
a) Fertilize @ 130#/Ac. each
b) Seed w/KENTUCKY BLUEGRASS @ 90#/ac. AND PERENNIAL RYEGRASS @ 40#/ac.
9) TEMPORARY SEEDING
a) Fertilize @ 60#/Ac. each
Seed w/Cerea Rye @ 300#/Ac. Oats @ 300#/Ac. & Perennial Rye @30#/Ac.
10) DORMANT SEEDING (Nov. 1 — Mar.15)
a) Increase seeding Application by 50%

NOTES:
1) All disturbed areas (except those to be paved) shall have temporary seed and mulch applied immediately following rough grading.
2) The owner shall be totally responsible for erosion control and detention measures before, during and after construction.
3) Erosion control and construction shall conform with standards set forth by the "Illinois Procedures and Standards for Urban Soil Erosion and Sedimentation Control" manual, latest edition (rev. July, 1988).
4) Dust & Traffic Control
It shall be the responsibility of the developer to minimize dust blowing from the construction site. If dust begins blowing from the site all roadways shall be treated with a dust control binder (Curasol Terratack or equal). Apply as needed according to manufacture's directions.
5) Barrier Filter Placement Detail:
a) Maintain detention Barrier Filters and all Swale and Structure Filters until an acceptable stand of grass is established upstream.
b) After removal of Filters, place sod around structures.

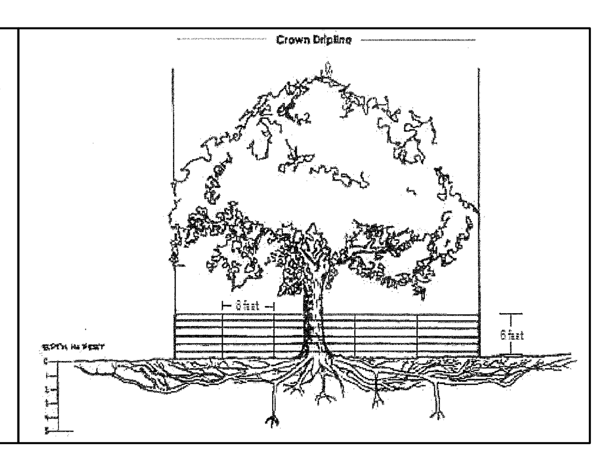
Banding or Boards and Straps:

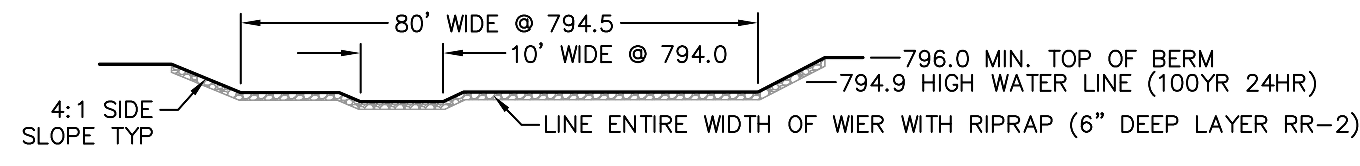
- Banding is used to protect tree trunks only.
- 2x4, 2x6 or 1x6 wood planks must be erected vertically and continuously around the trunk, fastened with metal wire or banding.
- No nails may be used on the tree.



Protective Tree Fencing:

- Protective Tree Fencing must be wire mesh or welded wire fencing (chain link), 6 feet high with steel or wooden posts installed and spaced no more than 8 feet apart.
- Protective Tree Fencing must extend to the dripline of the tree (which can be estimated at 1 foot for every 1 inch of DBH). But in no case shall fencing be:
  - ❖ less of a radius of 10 feet from trees up to 18 inches DBH
  - ❖ less of a radius of 15 feet from trees 18 inches DBH and larger
- Protective Tree Fencing must remain intact for the entire duration of the construction project and may not be moved or removed for any reason without Forestry Department approval ONLY.





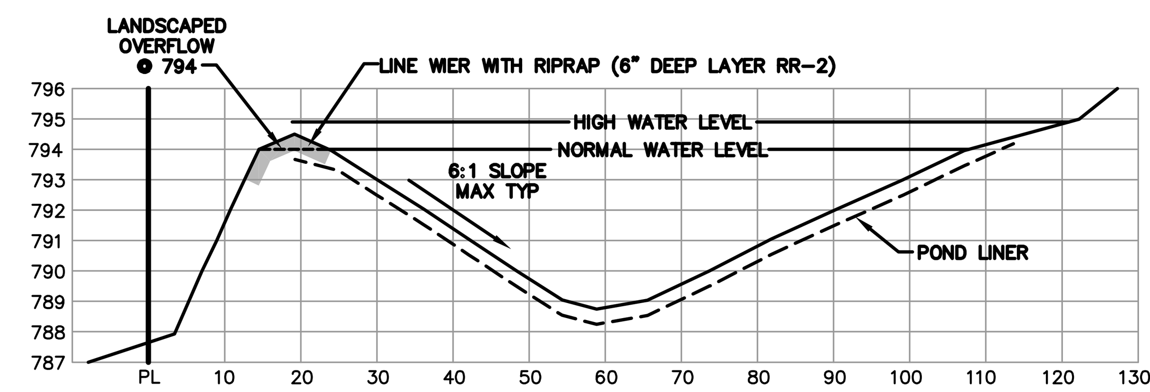
OVERFLOW WIER DETAIL
NOT TO SCALE

Q = CiA
C = COMPOSITE SUBURBAN/RES = 0.55
i = LAKE CO 100 YR 15 MIN Tc = 7.02
A = 16.57 ACRES
Q = 63.98 CUBIC FEET / SECOND

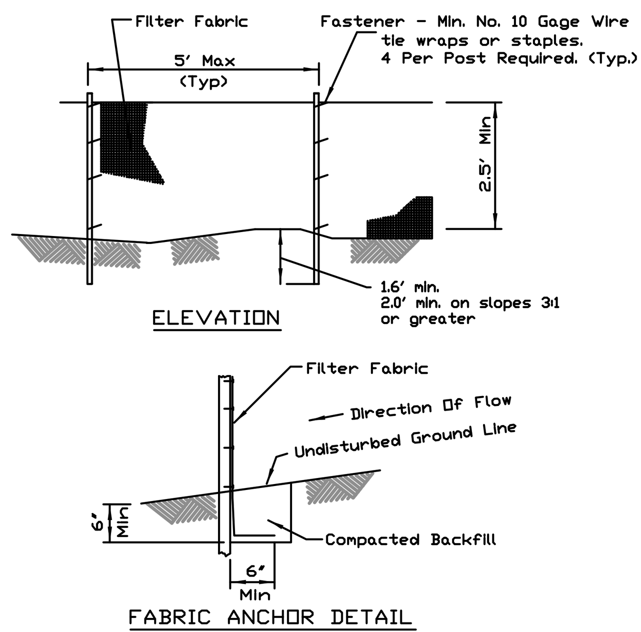
VOLUME CALCULATION

Required Overflow		
Required Flow Rate	Q (CFS)	64
Estimated Length of Weir	L (FT)	80
Height Required	H (FT)=	***0.38***
Provided Overflow		
Height	H (FT)	0.4
Length of Weir	L (FT)	80
$Q=3.39LH^{3/2}$	Q (CFS)=	***68.61***

WIER CALCULATION



POND SECTION A-A
HOR 1" = 20'
VERT 1" = 5'



Installation Requirements
- All materials and the installation process must conform with AASHTO - 288-00 standards
- Posts to be:
  - Wood, steel or synthetic
  - Minimum length of 3.2 ft. + burial depth
    - Bury 1.6 ft.on slopes less than 3:1
    - Bury 2.0 ft. on slopes 3:1 or greater
- Post dimensions
  - Hardwood = 1.2" x 1.2"
  - Pine = 2.6" x 2.6"
  - Steel = U,T,L, or C shape, weighing 1.3 lbs / ft.
- Fabric buried in a "J" configuration to a minimum depth of 5.9" in a trench
  - Trench to be backfilled and compacted

SILT FENCE DETAIL

LEGEND

= EXISTING CONTOURS
= PROPOSED CONTOURS
DECIDUOUS TREE

NOTE: THIS LOT IS NOT ON CITY SEWER AND WATER

GENERAL NOTES:

1. THIS DESIGN IS BASED UPON (1) THE FIELD CONDITIONS AS THEY WERE ON THE DAY THE THE FIELD DATA WAS OBTAINED, AND (2) DATA FURNISHED BY THE OWNER, OR GENERAL CONTRACTOR OR THEIR REPRESENTATIVE.
2. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES, AND HAVE ALL EXISTING UTILITIES STAKED PRIOR TO ANY CONSTRUCTION.
3. THE CONTRACTOR SHALL VERIFY ALL EXISTING FIELD CONDITIONS PRIOR TO INITIATING ANY CONSTRUCTION.
4. ALL INSTALLATIONS SHALL CONFORM TO THE APPROPRIATE REGULATORY AGENCY REQUIREMENTS.
5. ERRORS IN TOPOGRAPHY AND/OR FAILURE TO NOTIFY ENGINEER OF DISCREPANCIES SHALL VOID THIS DESIGN.

SPECIAL NOTE

"THIS DESIGN IS NOT FOR CONSTRUCTION UNLESS APPROVAL STAMP FROM COUNTY, VILLAGE, OR CITY REGULATORY DEPARTMENT IS AFFIXED HERETO"

SIMPLEX WATERFALL PUMP

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ENGINEERED PRODUCTS
Zoeller Family of Water Solutions™

SECTION: Z2.10.100
ZM1749
0515
Supersedes
1111

Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.

MAIL TO: P.O. BOX 16347 • Louisville, KY 40256-0347
SHIP TO: 3649 Cane Run Road • Louisville, KY 40211-1961
(502) 778-2731 • 1 (800) 928-PUMP • FAX (502) 774-3624

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www.zoeller.com

Submersible Wastewater Pump Association SWPA MEMBER

61 HD SERIES
PRODUCT FEATURES
3" Vertical Discharge Units

Covered by US Patent Number 6,364,620.

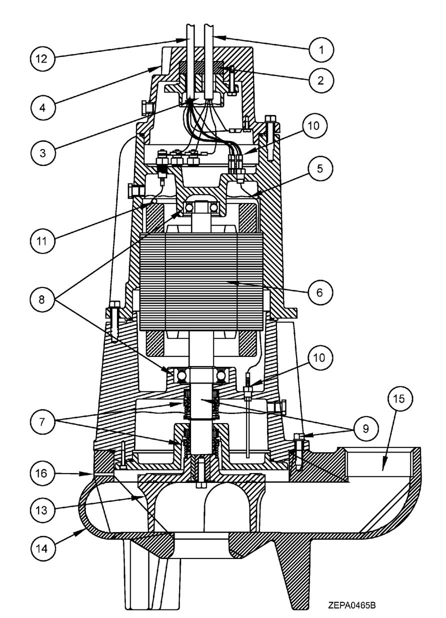
(Tested to UL778 and CSA22.2 108 Standards)

APPLICATIONS
- Engineered Lift Stations
- Storm Water Removal
- Wastewater Transfer
- Industrial Wastewater

MATERIAL FEATURES

PUMP:
- Solids - 2 " spherical capability
- Discharge Size - 3" NPT Vertical
- Seals - dual mechanical carbon/rotary ceramic/stationary, Buna-N elastomers
- Construction - Cast Iron ASTM A-48, Class 30, 30,000# tensile strength, protected with a corrosion resistant baked on epoxy powder coating
- Balanced concentric pump housing and impeller
- Attaching Hardware - 304 stainless steel
- O-ring Seals: Buna-N
- Ductile Iron Impeller - 2 blade semi-open with top pump out vanes
- Optional:
  - ☒ Thermal sensor and moisture detection system
  - ☐ Trimmed Impeller
  - ☐ Vortex Impeller
  - ☐ Bronze Impeller
  - ☒ Silicon carbide seal(s)
  - ☐ Viton O-ring Elastomers
  - ☐ 3450 RPM High Head unit
  - ☐ High Temperature Construction (1-3 BHP, not CSA listed)
  - ☐ Inverter Duty Motor (1-5 BHP, not CSA listed)
  - ☐ Additional cord length ____ ft.
  - ☒ Rail Systems

MOTOR:
- 1 Phase - 230 Volt, 1750 RPM
- 3 Phase - 200/230/460/575 Volt, 1750 RPM
- Stator - Class F insulation and lead wires NEMA B design.
- Oil-filled motor housing
- Finned cast iron housing for faster heat dissipation
- Ball Bearings - Dual high carbon chromium steel
- Power Cable Length - 25'



ENGINEERING FEATURES:
1. 25' of heavy duty power cable
2. Protected cable entrance. The compression grommet allows for field replacement of the cable.
3. Each conductor is individually sealed to eliminate cord wicking of liquids
4. Lifting lug integral part of housing
5. Oil-filled motor housing assures uniform heat distribution, lubricates bearings, and conducts heat for cooler running
6. Heavy duty motor features ball bearing construction. Class F motor insulation is double dipped and baked. End connections and lead wires are Class F. At maximum load, winding temperature will not exceed 250 F with motor housing not submerged.
7. Tandem seals. Carbon/rotating, ceramic/stationary, Buna-N elastomers
8. Upper and lower high carbon chromium steel ball bearings
9. Stainless steel shaft and hardware resists corrosion
10. Optional: Patented moisture detection system with upper and lower probes, protecting the motor from liquid entry.
11. Optional: Thermal sensor protection. Motors have 2 normally closed temperature sensors imbedded in windings.
12. Optional: 25' sensor cable
13. Balanced Ductile Iron 2 vanes semi-open impeller with top pump out vanes for seal protection. Keyed and bolted to shaft
14. Concentric case reduces radial loading for longer bearing and seal life
15. 3" NPT vertical discharge
16. Vent hole helps prevent air locking
17. Units protected with corrosion resistant baked on epoxy powder coating

For additional information on 61 HD Series pumps, refer to catalog on Technical Data ZM1750; Performance Data ZM1744, ZM1752, ZM1753; Dimensional Data ZM1755; Guide Specifications ZM1743; Replacement Parts ZM1760; and Owners Manual ZM1759.

For information on additional Zoeller products refer to catalog on Rail Systems, ZM1347; Control Panels, ZM1342; Float Switches and J-Boxes, ZM1536; Float Switch Brackets, ZM1328; Pump Lifting Cables, ZM1328; Check Valves and Piping Accessories, ZM1348.

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SECTION: Z2.10.110
ZM1750
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Submersible Wastewater Pump Association SWPA Approved Curve and Data Format

Patent No. 6,364,620

61 HD SERIES
TECHNICAL DATA
1-7.5 BHP / 1750 RPM

(Tested to UL778 and CSA22.2 108 Standards)

MODEL NUMBER:	☐ 6120	☐ 6121	☐ 6122	☐ 6123	☐ 6124	☒ 6125
PUMP NAME PLATE HORSEPOWER: BHP	1.0	1.5	2.0	3.0	5.0	7.5
SERVICE FACTOR:	1.2	1.2	1.2	1.2	1.2	1.0
NEC LOCKED ROTOR CODE:	M	J	K	F	E	C
MAXIMUM KW INPUT:	1.4	1.9	2.4	3.5	5.5	6.9
3 PHASE IMPELLER DIA.: in (mm) STANDARD	4 7/8" (124 mm)	5 3/8" (137 mm)	5 3/4" (146 mm)	6 3/8" (162 mm)	7" (178 mm)	7 " (191 mm)
DISCHARGE SIZE:	☒ 3" NPT Vertical ☐ 3" Horizontal Flange ☐ 4" Horizontal Flange					

SOLID SIZE: in (mm)	2 "(64 mm) OPTIONAL ☐ 3"(76 mm)	TANDEM SEALS:	Standard
IMPELLER TYPE:	Ductile iron Semi-open OPTIONAL ☐ Ductile iron Vortex ☐ Bronze Semi-open	MOTOR DESIGN LETTER:	NEMA B
FLANGE:	ANSI B16.1	POWER CORD LENGTH: FT (M)	25' (7.6 m) ☐ ______'
PUMP NET WEIGHT: lbs. (kg)	245 lbs. (111kg)	POWER CORD:	#12-4 SO*
MOTOR SHAFT	416 SS	STATOR & LEAD WIRES INSULATION:	Class F
RPM:	1750	MAXIMUM STATOR TEMPERATURE:	311 F (155 C)
MOTOR TYPE:	Standard Submersible	**DRY PIT (1-3 BHP, INTERMITTENT DUTY)	☐
	☐**** Inverter Duty Submersible (1-5 BHP ONLY)	**HIGH TEMP (1-3 BHP ONLY)	☐ (175 F Max.)

SHAFT SEAL CONSTRUCTION:	STANDARD	CARBON/CERAMIC
	OPTIONAL UPPER	☐ SILICON CARBIDE/SILICON CARBIDE
	OPTIONAL LOWER	☒ SILICON CARBIDE/SILICON CARBIDE
O-RING ELASTOMERS	STANDARD	BUNA-N
	OPTIONAL	☐ VITON
☒ OPTIONAL SENSING DEVICES*** w/ #18-5 SO Cord	MOTOR THERMAL SHUTOFF	THERMAL SENSORS WITH AUTOMATIC RESET
	MOISTURE DETECTION	MOISTURE SENSING PROBES
IMPELLER TRIM:	OPTIONAL	☐ DESIGN POINT: ____ GPM @ ____' TDH, IMPELLER DIA. ____"
RECOMMENDED FLUID LEVEL FOR CONTINUOUS OPERATIONS: in (m)		24" (0.6m) (For Continuous Duty, Refer to Warranty)
MAXIMUM WATER TEMPERATURE FOR CONTINUOUS OPERATION:		104 F (40 C)

* Models with a FLA greater than 20 amps use #8-4 gauge power cord.
*** Requires a circuit in control panel to function.
** 1-3 BHP Only. Contact factory. These configurations are not CSA listed.
**** 30-60 Hz, NEMA MG-1, Part 30, not CSA listed

QTY. (1)

MODEL	BHP	SERVICE FACTOR	☐ 230V / 1 PHASE		☒ 200V / 3 PHASE		☐ 230V / 3 PHASE		☐ 460V / 3 PHASE		☐ 575V / 3 PHASE	
			FLA	LRA	FLA	LRA	FLA	LRA	FLA	LRA	FLA	LRA
6120	1	1.2	6.9	48.0	4.8	32.0	4.2	28.0	2.1	14.0	1.7	11.5
6121	1.5	1.2	8.9	48.0	5.9	32.0	5.1	28.0	2.6	14.0	2.0	11.5
6122	2	1.2	14.5	86.0	7.8	46.0	6.8	41.0	3.4	20.5	2.7	16.2
6123	9	1.2	17.0	86.0	11.0	46.0	9.6	41.0	4.8	20.5	3.9	16.2
6124	5	1.2	28.0	139.0	17.5	64.0	15.2	58.0	7.6	29.0	6.1	23.0
6125	7.5	1.0	--	--	25.3	83.0	22.0	72.0	11.0	36.0	9.0	29.0

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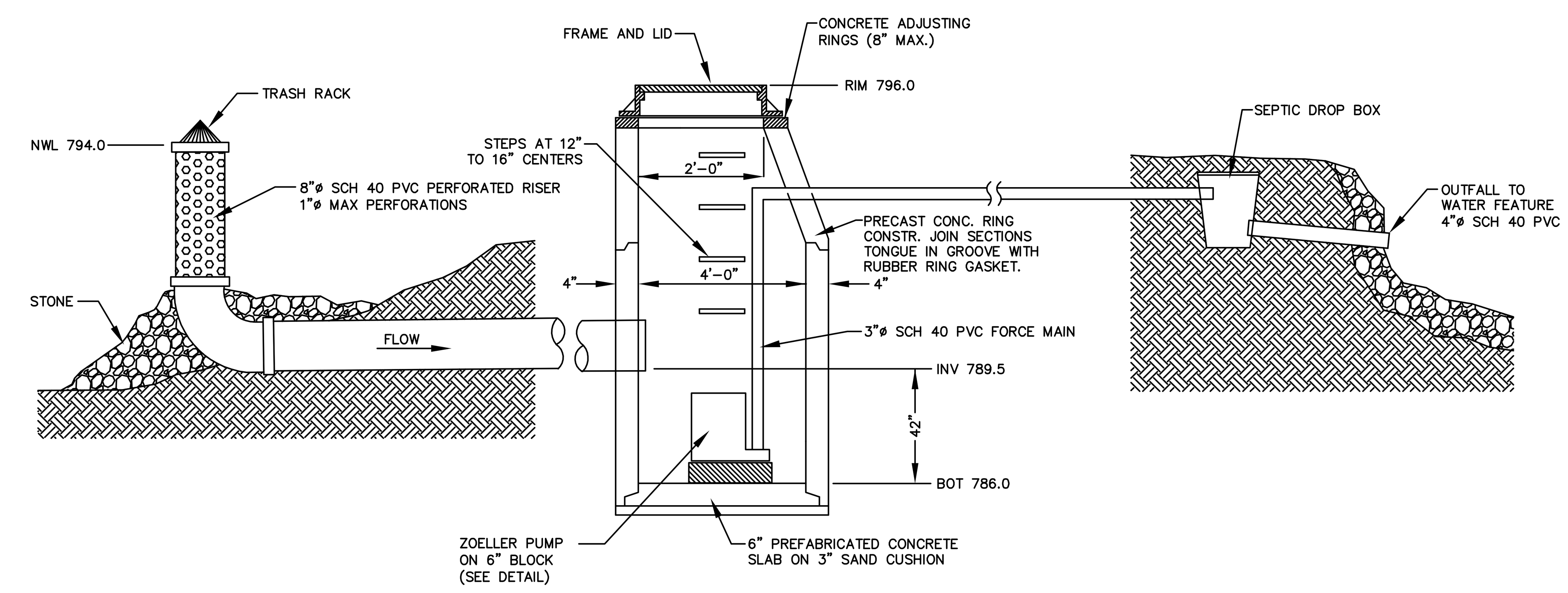

PERFORATED RISER INLET, LIFT STATION STRUCTURE (CATCH BASIN), AND OUTLET

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JULIE
1-800-892-0123
Call 48 hours before you dig (Excluding Sat., Sun.(Holidays)

RESIDENTIAL/COMMERCIAL/INDUSTRIAL
CIVIL ENGINEERING AND LAND SURVEYING SERVICES
Land Technology,inc.
3922 W. MAIN STREET McHENRY, IL. 60050
P: (815)363-9200 F: (815)363-9223
E: LANDTECH@LANDTECHNOLOGYINC.COM
ILLINOIS PROFESSIONAL DESIGN FIRM No. 184-001331

DETAILS:

300 DONLEA RD, BARRINGTON HILLS
PINS: 01-04-100-018, 01-04-100-027, 01-05-401-004
CLIENT: LERNER

REVISIONS:

REV 1	9/17/15	REVISED PER 9/3/15 VILLAGE REVIEW	DRD
REV 2	10/1/15	REV'D LOT LINES & ADD LIFT STATION DETAILS/SPECS	DRD
REV 3	10/8/15	REVISED PER 10/8/15 VILLAGE REVIEW	DRD

JONATHAN M. JACOBS
062-62565
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
EXPIRES 11/30/15

DRAWN BY: DRD

CHCK'D BY: SRS/JMJ

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DATE: 8/14/15

PAGE 3 OF 3

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