



Illinois Environmental Protection Agency

Bureau of Land • 1021 N. Grand Avenue E. • Box 19276 • Springfield • Illinois • 62794-9276

General Application for Permit (LPC - PA1)

This form must be used for any application for permit, except for landscape waste composting or hazardous waste management facilities regulated in accordance with RCRA, Subtitle C from the Bureau of Land. One original, and two copies, or three if applicable, of all permit application forms must be submitted. Attach the original and appropriate number of copies of any necessary plans, specifications, reports, etc. to fully support and describe the activities and modifications being proposed. Attach sufficient information to demonstrate the compliance with all regulatory requirements. Incomplete applications will be rejected.

Note: Permit applications which are hand-delivered to the Bureau of Land, Permit Section must be delivered to the above address between 8:30 am and 5:00 pm, Monday through Friday (excluding State holidays).

NOTE: Please complete this form online, save a copy locally, print and submit it to the Permit Section #33, at the above address.

I. Site Identification:

Site Name: Kramer Tree Specialists, Inc. IEPA ID Number: _____
 Street Address: 300 Charles Court P.O. Box: _____
 City: West Chicago State: IL Zip Code: 60185 County: DuPage
 Existing DE/OP Permit Numbers (if applicable): N/A

2. Owner/Operator Identification:

Owner	Operator
Name: <u>Kramer Land Development LLC</u>	Name: <u>Kramer Tree Specialists, Inc.</u>
Street Address: <u>300 Charles Court</u>	Street Address: <u>300 Charles Court</u>
PO Box: _____	PO Box: _____
City: <u>West Chicago</u> State: <u>IL</u>	City: <u>West Chicago</u> State: <u>IL</u>
Zip Code: <u>60185</u> Phone: <u>630-293-5444</u>	Zip Code: <u>60185</u> Phone: <u>630-293-5444</u>
Contact: <u>Joseph Kramer</u>	Contact: <u>Joseph Kramer</u>
Email Address: <u>joe@kramertree.com</u>	Email Address: <u>rthomas@kramertree.com</u>

TYPE OF SUBMISSION/REVIEW PERIOD:	TYPE OF FACILITY:	TYPE OF WASTE:
New Landfill/180 days (35 IAC Part 813)	<input type="checkbox"/> Landfill	<input type="checkbox"/> General Municipal Refuse
Landfill Expansion/180 days (35 IAC Part 813)	<input type="checkbox"/> Land Treatment	<input type="checkbox"/> Hazardous
Sig. Mod. to Operate/90 days (35 IAC Part 813)	<input type="checkbox"/> Transfer Station	<input type="checkbox"/> Special (Non-Hazardous)
Other Sig. Mod./90 days (35 IAC Part 813)	<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Chemical Only (exec. putrescible)
Renewal of Landfill/90 days (35 IAC Part 813)	<input type="checkbox"/> Storage	<input type="checkbox"/> Inert Only (exec. chem. & putrescible)
Developmental/90 days (35 IAC Part 807)	<input checked="" type="checkbox"/> Incinerator	<input type="checkbox"/> Used Oil
Operating/45 days (35 IAC Part 807)	<input type="checkbox"/> Composting	<input type="checkbox"/> Potentially Infectious Medical Waste
Supplemental/90 days (35 IAC Part 807)	<input type="checkbox"/> Recycling/Reclamation	<input type="checkbox"/> Landscape/Yard Waste
Permit Transfer/90 days (35 IAC Part 807)	<input type="checkbox"/> Other (Specify) _____	<input checked="" type="checkbox"/> Other (Specify)
Renewal of Experimental Permit (35 IAC Part 807)	<input type="checkbox"/> Leaf Mulch _____	

3. Description of this Permit Request:

Application to accept landscape waste consisting of leaves in order to stack, store and process them into leaf mulch on 5.5 acres out of a 10 acre parcel located at the owner's existing tree care facility. Leaf mulch will be produced on an existing concrete pad that is also used for production of wood mulch.

4. Completeness Requirements

The following items must be checked Yes, No or N/A. Each item will be reviewed for completeness by the log clerk. Blank items will result in rejection of the application. Please refer to the instructions for further guidance.

Have all required public notice letters been mailed in accordance with the LPC-PA16 instructions? Yes No N/A

(If so, provide a list of those recipients of the required public notice letters for Illinois EPA retention. Such retention shall not imply any Illinois EPA review and/or confirmation of the list.)

Public Notice Recipients

Name: Thomas Johnson Title: State Senator
 Street Address: 1725 S Naperville Road, Suite 200 P.O. Box: _____
 City: Wheaton State: IL Zip Code: 60089 Phone: 630-682-8100

Name: Mike Fortner Title: State Representative
 Street Address: 135 Fremont Street P.O. Box: _____
 City: West Chicago State: IL Zip Code: 60185 Phone: 630-293-9344

Name: Dan Cronin Title: DuPage County Board Chairman
 Street Address: 421 N. County Farm Road P.O. Box: _____
 City: Wheaton State: IL Zip Code: 60187 Phone: 630-407-6060

Name: Gary King Title: County Clerk
 Street Address: 421 N. County Farm Road P.O. Box: _____
 City: Wheaton State: IL Zip Code: 60187 Phone: 630-407-5500

Name: Robert Berlin Title: States Attorney
 Street Address: 503 N. County Farm Road P.O. Box: _____
 City: Wheaton State: IL Zip Code: 60187 Phone: 630-407-8000

Name: Nancy Smith Title: Clerk
 Street Address: West Chicago City Hall, 475 Main Street P.O. Box: _____
 City: West Chicago State: IL Zip Code: 60185 Phone: 630-203-2200

Name: Heidi Wetzel Title: Clerk
 Street Address: 100 North Island P.O. Box: _____
 City: Batavia State: IL Zip Code: 60510-1930 Phone: _____

Name: Anne Mareachen Title: Clerk
 Street Address: 27 W 465 Jewell Road P.O. Box: _____
 City: Winfield State: IL Zip Code: 60190 Phone: 630-933-7100

Name: Emily Larson Title: Clerk
 Street Address: City Hall, 28W701 Stafford Pl P.O. Box: _____
 City: Warrenville State: IL Zip Code: 60555 Phone: 630-393-9427

Name: Beth Melody Title: Clerk
 Street Address: 500 N. Gary Avenue P.O. Box: _____
 City: Carol Stream State: IL Zip Code: 60188 Phone: 630-871-6250

Name: Nancy Garrison Title: Clerk
 Street Address: 2 East Main Street P.O. Box: _____
 City: St. Charles State: IL Zip Code: 60174 Phone: 630-377-4444

Name: Patti Engston Title: Clerk
 Street Address: 5N430 Railroad Street P.O. Box: _____
 City: Wayne State: IL Zip Code: 60184 Phone: 630-584-3090

2. a. Is the Siting Certification Form (LPC-PA8) completed and enclosed? Yes No N/A
 b. Is siting approval currently under litigation? Yes No N/A

3. a. Is a closure, and if necessary a post-closure plan covering these activities being submitted, or Yes No N/A
 b. has one already been approved? If yes, provide the permit number: _____

4. a. For waste disposal sites, only: Has any employee, owner, operator, officer or director of the owner or operator had a prior conduct certification denied, canceled or revoked? Yes No N/A
 b. Have you included a demonstration of how you comply or intend to comply with 35 Ill. Adm. Code 745? Yes No N/A

5. a. Is land ownership held in beneficial trust? Yes No N/A
 b. If yes, is a beneficial trust certification form (LPC-PA9) completed and enclosed? Yes No N/A

6. a. Does the application contain information or proposals regarding the hydrogeology; groundwater monitoring, modeling or classification; a groundwater impact assessment; or vadose zone monitoring for which you are requesting approval? Yes No N/A
 b. If yes, have you submitted a third copy of the application (4 total) and supporting documents? Yes No N/A



Illinois Environmental Protection Agency

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Application for Permit Relating to a Composting Facility for Landscape Waste (LPC-PA12)

1. Site Identification:

A. IEPA ID Number: N/A

Facility Name: Kramer Tree Specialists Leaf Mulch Facility County: DuPage

Street Address: 300 Charles Court P.O. Box: _____

City or Township: West Chicago State: IL Zip Code: 60185

B. Legal description of the site and legal description of the facility boundary, if different than the property boundary. You may provide additional information, if necessary, by clicking on the button below.

5.5 acres within a 10 acre parcel described as a resubdivision of Lot 2 in North Industrial Park, in the Northeast Quarter of Section 8, Township 39 North, Range 9 East of the third principal meridian, according to the plan thereof recorded September 19, 20005, as document R2005-206729, in DuPage County, Illinois

Latitude:	<u>41</u>	<u>52</u>	<u>56</u>	Longitude:	<u>88</u>	<u>13</u>	<u>36</u>
	(Deg)	(Min)	(Sec)		(Deg)	(Min)	(Sec)

2. Facility Description:

Facility Type: New Facility

Existing BOL Permit Number: N/A

If a renewal, also list the Permit Modification Numbers: _____

3. Brief Narrative of the Proposed Activities Related to the Composting Operation:

Kramer Tree Specialists seeks a permit to collect, store and process leaves in order to produce leaf mulch on 5.5 acres of concrete surface that currently serves as their mulch yard. The leaves will be stacked in piles up to 25 feet in height.

4. Applicant Identification:

Are the property owner and operator the same entity? Yes No

Property Owner

Operator, if different

Name: Kramer Land Development LLC
Street Address: 300 Charles Court
PO Box: _____
City: West Chicago State: IL
Zip Code: 60185 Phone: 630-293-5444
Contact: Joseph Kramer
Email Address: ioe@kramertree.com

Name: Kramer Tree Specialists, Inc.
Street Address: 300 Charles Court
PO Box: _____
City: West Chicago State: IL
Zip Code: 60185 Phone: 630-293-5444
Contact: Joseph Kramer
Email Address: rthomas@kramertree.com

Other:

Name: _____
Street Address: _____
PO Box: _____
City: _____ State: _____
Zip Code: _____ Phone: _____
Contact: _____
Email Address: _____

Mail Agency correspondence to: Operator

5. Proof of Land Ownership and Certification:

Operated by:

- Illinois Corporation
- Individual
- Partnership
- Trust
- Government
- Other: _____

- Presently owned by Operator
- To be Leased by Applicant for 5 years
 Years of Lease Remaining 2 years
 Beginning Date of Lease: 3/2008
 Ending Date of Lease: 3/2013

6. Location Information:

Attach a copy of the United States Geological Survey (USGS) quadrangle map (7.5 minute quadrangle, if published) and a topographic map of the area which contains the composting facility. Also provide a legal description of the site including the size in acres, present zoning classification and restrictions (if any).

Quadrangle Map provided: West Chicago Name: _____ Date: Jan 1, 1998

Other maps: _____

7. Site Plan Map:

Provide a copy of the plan map or plan sheets showing the boundaries of the facility, contours of the land relief and the location of all structures, utilities and improvements pertinent to the facility operation. Refer to item 7 of the instructions for information to be included on maps or plan sheets.

8. Detailed Description of the Facility:

A written description of the facility, including the design and operating procedures that will be used at the facility to comply with the requirements of 35 IAC, Parts 830 and 831 must be provided. In the spaces provided below, indicate the page number or location within the application where this information can be found (See number 8 in the instructions).

The following information must accompany the application. In the space provided, identify the page number or location in the supporting documentation where this information can be found.

Page number or location of information:

- P. 8 Section 3: A. Stormwater and landscape waste leachate controls as required pursuant to 35 IAC 830.204.
- P. 15 Section 5 B. An estimate of the maximum annual volume and peak daily volume of landscape waste the facility will be able to process and place into windrows or piles under proper conditions for composting within the time limits required by 35 IAC 830.203(a)(4) or 35 IAC 830.205.
- Attachment 3 C. Proof that the facility includes a setback of at least 200' from the nearest potable water supply well.
- Attachment 4 D. Proof that the facility is located outside the boundary of the 10-year floodplain or the site will be floodproofed.
- Attachment 5 E. Proof that the facility is located so as to minimize incompatibility with the character of the surrounding area, including at least 660' from the nearest residence (other than a residence located on the same property as the facility) and health facilities pursuant to 35 IAC 830.203(a)(3) (A-C).
- Page 6 F. Proof that the design of the facility will prevent any compost material from being placed within 5 feet of the water table, will adequately control runoff from the site and will collect and manage any leachate that is generated on the site in accordance with 35 IAC 830.203(a)(5).
- Attachment 7 G. All authorizations, permits and approvals required from each Bureau of the Agency have been applied for or obtained.
- Page 15. Section 15 H. An operating plan satisfying the applicable requirements set forth in 35 IAC 830.206, a commitment to those applicable requirements and information to demonstrate how they will be achieved at the proposed facility.
- Page 14. Section 4 I. An early detection or groundwater monitoring system design in accordance with 35 IAC 830, Appendix A, if an early detection and groundwater monitoring program is required pursuant to 35 IAC 830.205(b)(1)(A)(iii) or 35 IAC 830.205(b)(2)(A)(iii).
- Page 24. Section 6 J. A salvaging plan if applicable, including markets, maximum storage volumes, storage times and nuisance controls.
- Section 11. Att. 9 K. A contingency plan satisfying the requirements set forth in 35 IAC 830.212.
- Page 24. Section 8 L. A load checking plan for inspection, removal of non-compostable waste from incoming loads or rejection of contaminated loads.
- Page 15 M. Specification of the operating hours of the facility.
- Pages 1. 15 N. The types of landscape waste that are proposed to be received by the facility.
- Section 4. p10 O. Descriptions of the storage areas, including their capacities, that will be used to stage the waste before processing and placement into windrows or piles, to store bulking agents or additives and to store end-product compost.
- Section 9. Att. 9 P. Description of personnel training procedures satisfying the requirements of 35 IAC 830.210.
- Page 22 Q. Description of compost sampling and testing procedures to demonstrate compliance with 35 IAC 830.507 and 35 IAC 830.504 for the compost quality standards set forth in 35 IAC 830.503.

9. Record Keeping:

Specify the location where the facility permit, design plans, operating plan, contingency plan, closure plan, reports and monitoring records will be kept so as to be available during inspection of the facility pursuant to 35 IAC 830.211. Describe the type of information that will be included in these records.

Location:

Records and plans will be kept at the Kramer Tree Specialists, Inc. office at 300 Charles Court (see Drawing 1).

10. Closure Plan:

Provide a closure plan which contains a description of closure plans and methods to demonstrate compliance with all closure requirements in 35 IAC, Part 830. The closure plan must contain the itemized steps which will be taken to close the facility including a time line and cost estimate for labor equipment, reporting and certification of completion of closure.

Location:

Page 30, Section 12

11. Financial Assurance:

Provide a financial assurance plan containing a written cost estimate and identifying the financial mechanism chosen to cover the cost of closure. An operator of a new facility choosing to use a cash reserve account to cover the cost of closure shall fully fund the account within one year after initial receipt of waste.

Location:

Page 32, Section 13

12. Reporting:

Describe the procedures that will be used to collect information and file an annual report with the Illinois EPA by April 1st of each year. The annual report must include information on the amount of material in tons received for composting, the amount and type of material marketed, the amount of material remaining on site and a certification of compliance with the financial assurance requirements of 35 IAC, Subpart F.

Location:

See Section 2, Page 5.

13. Public Notification:

A. Are a copy of the Notice of Application for Permit to Manage Waste (LPC-PA16) and a list of persons to whom it was sent, along with copies of the mailing receipt included with this application?

Yes No

B. If this is for a new facility or an expansion, has a copy of the newspaper notice, the name and telephone number of the newspaper used, and the dates of publication been included? This information may be submitted up to 30 days after the date the application is filed with the Agency.

Yes No

C. If this is for a new facility or expansion, has a copy of the "Notice of Application for Permit to Manage Waste form (LPC-PA16) been sent to owners of all real property within 250' in each direction of the lot line of the subject property, and a copy of the mailing receipts been included?

Yes No

14. Required Signatures:

I hereby affirm that all information contained in this application is true and accurate to the best of my knowledge and belief. I do hereby swear that I am a duly authorized representative of the owner/operator and I am authorized to sign this permit application.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(b))

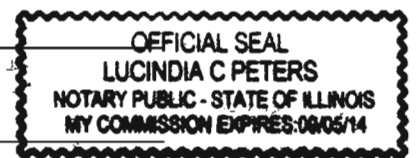
Owner Signature: [Signature] Date: 5-18-11
Joseph Kramer Printed Name: J Title: President

Notary: Subscribed and Sworn before me this 18th day of May 2011.

My commission expires on: 9/5/14

[Signature] Signature & Stamp/Seal of Notary Public

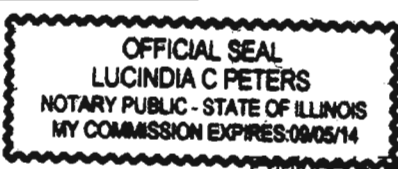
Operator Signature: [Signature] Date: 5-18-11
Joseph Kramer Printed Name: J Title: President



Notary: Subscribed and Sworn before me this 18th day of May 2011.

My commission expires on: 9/5/14

[Signature] Signature & Stamp/Seal of Notary Public



Engineer's Name: John P Lardner Engineer's Title: Senior Project Engineer

Company: JPL Environmental Engineering Registration Number: 062038498

Street Address: 1122 North Clark Street #3803 PO Box:

City: Chicago State: IL Zip Code: 60610-7899 Phone: 630-362-4287

Email Address: jlardnerpe@aol.com License Expiration Date: 11-30-2011

Expires 11/30/2011

Preparer's Signature: [Signature] Date: 5/18/2011



Information submitted as part of the Application is available to the public except when specifically designated by the Applicant to be treated confidentially as a trade secret or secret process in accordance with Section 7(a) of the Act, applicable rules and regulations of the Illinois Pollution Control Board and applicable Illinois EPA rules and guidelines.

From: legals <legals@dailyherald.com>
To: John Lardner <jlardnerpe@aol.com>
Subject: RE: Legal Notice for Publication
Date: Thu, May 19, 2011 9:30 am

will do - Kathleen

-----Original Message-----

From: John Lardner [mailto:jlardnerpe@aol.com]
Sent: Thursday, May 19, 2011 9:20 AM
To: legals
Subject: RE: Legal Notice for Publication

The schedule is good. Please proceed.
John Lardner

From: legals
Sent: Thursday, May 19, 2011 8:10 AM
To: John Lardner
Subject: RE: Legal Notice for Publication

John - I will publish 5/ 21, 28 & 6/4 and send the invoice and certificate to your attention - thanks, Kathleen

-----Original Message-----

From: John Lardner [mailto:jlardnerpe@aol.com]
Sent: Wednesday, May 18, 2011 4:35 PM
To: legals
Subject: Legal Notice for Publication

We would like to have the attached notice published in the legal notice section of the Daily Herald newspaper, with circulation to the City of West Chicago. Publish once a week for three successive weeks, with proof of publication provided. Please advise on the cost for this service. Please direct response and billing to:

Mr. John P Lardner, PE
JPL Environmental Engineering
1122 North Clark Street, #3803
Chicago, IL 60610-7899
630-362-4287 (cell)

Thank-you,

John Lardner

Kramer Tree Specialists, Inc. located at 300 Charles Court in West Chicago, Illinois in DuPage County is applying to the Illinois Environmental Protection Agency (IEPA) for a permit to operate a leaf mulch production facility. The permit seeks to create a leaf mulch production area on 5.5 acres within 10 acres of property owned by the operator and currently used for their tree care business and production of wood mulch. The entrance to the facility is from Charles Court via Washington Street. The facility will accept landscape waste consisting of brush, branches and leaves. The facility received a special use from the City of West Chicago on December 6, 2006 to construct an outside storage yard for processing and storage of mulch and landscape waste materials within an M zoning area subject to conditions in Ordinance No. 06-O-0102 . Questions regarding the application can be directed to Kramer Tree Specialists, Inc. at 630-293-5444. Comments can be directed to the IEPA in writing to the address below, or by phone, by June 27, 2011.

Illinois Environmental Protection Agency
Permit Section, Division of Land Pollution Control
1021 North Grand Avenue East, P.O. Box 19276
Springfield, IL 62974-9276
(217) 524-3300



Illinois Environmental Protection Agency

Bureau of Land • 1021 N. Grand Avenue E. • Box 19276 • Springfield • Illinois • 62794-9276

Notice of Application for Permit to Manage Waste (LPC-PA16)

Date: May 23, 2011

To Elected Officials and Concerned Citizens:

The purpose of this notice is to inform you that a permit application has been submitted to the Illinois EPA, Bureau of Land, for a solid waste project described below. You are not obligated to respond to this notice, however, if you have any comments, please submit them in writing to the Bureau of Land, Attn: Permit Section, at the above address, or contact the Permit Section at 218/524-3300 within 21 days.

NOTE: Please complete this form online, save a copy locally, print and submit it to the Permit Section #33, at the above.

The permit application, which is identified below, is for a project described at the bottom of this page.

Site Identification:

Site Name: Kramer Tree Specialists, Inc. Leaf Mulch Production Facility IEPA ID Number: (New)

Street Address: 300 Charles Court P.O. Box: _____

City: West Chicago State: IL Zip Code: 60185 County: DuPage

<u>TYPE OF PERMIT SUBMISSIONS:</u>	<u>TYPE OF FACILITY:</u>	<u>TYPE OF WASTE:</u>
New Landfill	<input type="checkbox"/> Landfill	General Municipal Refuse <input type="checkbox"/>
Landfill Expansion	<input type="checkbox"/> Land Treatment	Hazardous <input type="checkbox"/>
First Significant Modification	<input type="checkbox"/> Transfer Station	Special (Non-Hazardous) <input type="checkbox"/>
Significant Modification to Operate	<input type="checkbox"/> Treatment Facility	Chemical Only (exec. putrescible) <input type="checkbox"/>
Other Significant Modification	<input type="checkbox"/> Storage	Inert Only (exec. chem. & putrescible) <input type="checkbox"/>
Renewal of Landfill	<input type="checkbox"/> Incinerator	Used Oil <input type="checkbox"/>
Development	<input checked="" type="checkbox"/> Composting	Solvents <input type="checkbox"/>
Operating	<input type="checkbox"/> Recycling/Reclamation	Landscape/Yard Waste <input checked="" type="checkbox"/>
Supplemental	<input type="checkbox"/> Other <input checked="" type="checkbox"/>	Other (Specify) <input type="checkbox"/>
Transfer	<input type="checkbox"/> <u>Leaf Mulch</u>	
Name Change	<input type="checkbox"/>	
Generic	<input type="checkbox"/>	

Description of Project:

Application to accept lanscape waste consisting of leaves in order to stack, store and process them into leaf mulch on 5.5 acres out of a 10 acre parcel located on the owner's existing tree care facility. Leaf mulch will be produced on an existing concrete pad that is also used for production of wood mulch at the facility.

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Electronic Filing - Received, Clerk's Office, 11/03/2011

State Senator Thomas Johnson
1725 S Naperville Road, Suite 200
Wheaton, IL 60089

State Representative Mike Fortner
135 Fremont Street
West Chicago, IL 60185

County Board Chairman Dan Cronin
Jack T. Knuepfer Admin. Bldg.
421 N. County Farm Road
Wheaton, IL 60187

County Clerk Gary King
Jack T. Knuepfer Admin. Bldg.
421 N. County Farm Road
Wheaton, IL 60187

States Attorney Robert Berlin
503 N. County Farm Road
Wheaton, IL 60187

Dona L. Smith, Township Supervisor
130 Arbor Avenue
West Chicago, IL 60185

City Clerk Nancy Smith
West Chicago City Hall
475 Main Street
West Chicago, IL 60185

NIP Lot 2A LLC
2775 Norton Creek Drive
West Chicago, IL 60185

Motion Industries
333 Charles Court, Suite 109
West Chicago, IL 60185

Tornado Innovation's Cleaning Systems
333 Charles Court, Suite 109
West Chicago, IL 60185

Prairie Materials
7601 W. 79th Street
Bridgeview, IL 60455

Union Pacific Railroad
500 Madison Avenue
Chicago, IL 60661

R. J. Lipscomb Engineering
1215 Washington Street
West Chicago, IL 60185

R.C. Coil Spring Mfg. Co.
C/o Lee Development/West Chicago
0s 020 Quail Run Court
Winfield, IL 60190

Brent Manning, Executive Director
Forest Preserve District of DuPage
County
3S 580 Naperville Road
Wheaton, IL 60189-8761

City Clerk Heidi Wetzel
100 North Island Ave
Batavia, IL 60510-1930

Village Clerk Anne Mareachen
27 W 465 Jewell Road
Winfield, IL 60190

City Clerk Emily Larson
City Hall
28W701 Stafford Pl
Warrenville, IL 60555

Village Clerk Beth Melody
500 N. Gary Avenue
Carol Stream, IL 60188

City Clerk Nancy Garrison
2 East Main Street
St. Charles, IL 60174

Patti Engston, Village Clerk
5N430 Railroad Street
Wayne, IL 60184

6620 1670 0000 0799

U.S. Postal Service TM
CERTIFIED MAIL TM RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com[®]

OFFICIAL USE

Postage	\$ 0.44	0101 14 Postmark Here
Certified Fee	\$2.85	
Return Receipt Fee (Endorsement Required)	\$2.30	
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$ 5.59	

Sent To *Prairie Materials*
 Street, Apt. No.; or PO Box No. *7601 W. 79th Street*
 City, State, ZIP+4 *Bridgeview, IL 60455*

PS Form 3800, August 2006 See Reverse for Instructions

5220 1670 0000 9716 0775

U.S. Postal Service TM
CERTIFIED MAIL TM RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com[®]

OFFICIAL USE

Postage	\$ 0.44	0101 14 Postmark Here
Certified Fee	\$2.85	
Return Receipt Fee (Endorsement Required)	\$2.30	
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$ 5.59	

Sent To *Motion Industries*
 Street, Apt. No.; or PO Box No. *333 Charles Court, Suite 109*
 City, State, ZIP+4 *West Chicago, IL 60185*

PS Form 3800, August 2006 See Reverse for Instructions

0220 1670 0000 9716 0782

U.S. Postal Service TM
CERTIFIED MAIL TM RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com[®]

OFFICIAL USE

Postage	\$ 0.44	0101 14 Postmark Here
Certified Fee	\$2.85	
Return Receipt Fee (Endorsement Required)	\$2.30	
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$ 5.59	

Sent To *Union Pacific Railroad*
 Street, Apt. No.; or PO Box No. *500 Madison Avenue*
 City, State, ZIP+4 *Chicago, IL 60661*

PS Form 3800, August 2006 See Reverse for Instructions

0220 1670 0000 9716 0782

U.S. Postal Service TM
CERTIFIED MAIL TM RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com[®]

OFFICIAL USE

Postage	\$ 0.44	0101 14 Postmark Here
Certified Fee	\$2.85	
Return Receipt Fee (Endorsement Required)	\$2.30	
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$ 5.59	

Sent To *Tornado Innovations Cleaning Systems*
 Street, Apt. No.; or PO Box No. *333 Charles Court, Suite 109*
 City, State, ZIP+4 *West Chicago, IL 60185*

PS Form 3800, August 2006 See Reverse for Instructions

0220 1300 0000 2284 2966

U.S. Postal Service TM
CERTIFIED MAIL TM RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com[®]

OFFICIAL USE

Postage	\$ 0.44	0101 14 Postmark Here
Certified Fee	\$2.85	
Return Receipt Fee (Endorsement Required)	\$2.30	
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$ 5.59	

Sent To *Brent Manning, Executive Director*
 Street, Apt. No.; or PO Box No. *Forrest Preserve Dist. of Doty Co. PO Box No. 351 580 Naperville Road*
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PERMIT APPLICATION FOR A LANDSCAPE WASTE LEAF MULCH PRODUCTION FACILITY

KRAMER TREE SPECIALISTS, INC.
WEST CHICAGO, ILLINOIS
[PROJECT NO. 2011-003]
MAY 2011

For Submission to:

Illinois Environmental Protection Agency
Division of Land Pollution Control
Bureau of Land – Permit Section
Springfield, Illinois

Prepared for:

Kramer Tree Specialists, Inc.
300 Charles Court
West Chicago, Illinois 60185

Prepared by:

JPL Environmental Engineering
1122 North Clark Street
Chicago, Illinois 60610-7899

**KRAMER TREE SPECIALISTS
PERMIT APPLICATION FOR A LANDSCAPE WASTE LEAF MULCH PRODUCTION
FACILITY**

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1.0 INTRODUCTION

A landscape waste leaf mulch production facility (LMPF) is proposed within the boundary of property owned by Kramer Land Development and leased to Kramer Tree Specialists, Inc. (KTS). The purpose of the facility is to collect, store and process leaves, brush and branches, generated from internal and external sources, for the production of leaf mulch. The leaf mulch is then marketed for sale to private contractors and municipalities. The application was the result of consultations with the Illinois Environmental Protection Agency (Agency) whereby the Agency stated the requirement for a permit under Section 830 Standards for Compost Facilities, or a permit under Section 807 Solid Waste, in order to collect, store and process leaves, and produce a mulch product from them.

The property controlled by the owners includes 10 (ten) acres within West Chicago, Illinois, DuPage County. The new LMPF will be located as illustrated on drawing **Sheet 2** in **Attachment 2**. It will encompass approximately 5.5 acres within the overall property controlled by the owner. The application contained herein is a demonstration that the facility meets the standards of 35 IAC Part 830 subject to; the minimum performance standards in Subpart B, Section 830.202; the location standards in Section 830.203, the additional operating standards and requirements in Sections 830.204 through 830.213; and the financial assurance requirements of Subpart F. The application follows the sequence of sections in the regulations and includes information attachments as necessary to support the demonstrations. The end-product quality standards of Subpart E do not apply to this application because only leaf mulch is produced and there will be no finished compost produced.

2.0 PERFORMANCE STANDARDS (830.202) AND LOCATION STANDARDS (830.203)

Performance Standards

Separate plans have been prepared in later parts of this application that demonstrate that the applicant will comply with the requirements of 35 IAC Part 830, Subpart B, Section 830.202.

The operator will post a permanent sign at the entrance along Charles Court at the entrance, and the text will specify in letters not less than three inches high, the following information:

- 1) The name and mailing address of the operation which is Kramer Tree Specialists, 300 Charles Court, West Chicago, Illinois.
- 2) The operating hours which will be from Monday through Saturday from 5:30 am to 6:00 pm.
- 3) The materials which can be accepted shall include only organic landscape waste limited to brush, branches and leaves.
- 4) The statement "COMPLAINTS CONCERNING THIS FACILITY CAN BE MADE TO THE FOLLOWING PERSONS", which will be followed by the name and phone number of the operator, and the name and telephone number of the Bureau of Land, Illinois Environmental Protection Agency, Springfield, Illinois.

The operator will submit a written annual statement to the Agency, on a form provided by the Agency, on or before April 1 of each year that includes:

- A) An estimate of the amount of leaf material in tons or cubic yards, received for production of leaf mulch in the previous calendar year;
- B) An estimate of the amount and disposition of leaf mulch material in the previous calendar year;
- C) A Facility Financial Assurance Plan Compliance Certification.

Location Standards

1. The proposed LMPF is more than 200 feet from the nearest potable water supply well, which is located east of the property as shown in the Potable Water Well Location Map (Illinois Geological Survey) included in **Attachment 3**. Other nearby potable water well locations, and their well location diagrams, are also included in the attachment.

2. A copy of the current Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) is included in **Attachment 4**. The LMPF location is not within the 10-year or 100-yr floodplains.
3. An aerial photograph of the site, showing the proposed LMPF and the nearest residences, is included in **Attachment 5**. The site is more than 1/8th mile from the nearest residence. The nearest residence is located approximately 2500 feet east of the facility boundary as illustrated on the map in **Attachment 5** and on **Figure 1** in **Attachment 2**. There are no facilities that meet the description of 830.203, 3(A), (B) and (C) within 1/8th mile of the site.
4. A map of areas within 1/2 mile of the facility boundary is also included on **Figure 2** in **Attachment 2**. The map illustrates the types of land use immediately adjacent to the facility and the zoning classification of properties. The property for the proposed LMPF is zoned Manufacturing and has been granted a Special Use, by ordinance, to construct an outside storage yard for the processing and storage of mulch and landscape waste materials. A copy of Ordinance No. 06-O-0102 from the City of West Chicago is included in **Attachment 6**.
5. The site is not located within 1/4 mile of the nearest residence as shown on the aerial map in **Attachment 5**. The site is therefore not subject to Section 830.203(4).
6. The location used for storage and production of leaf mulch is entirely situated upon a concrete surface. At no time is the material in contact with the ground surface. Therefore, piezometers were not installed to determine the water table distance from the concrete pad surface as required by Section 830.203 (5).
7. There is no Wild and Scenic River located near the site, therefore, the proposed site will meet the requirements under the Wild and Scenic Rivers Act as per Section 830.203(6).
8. The LMPF will not restrict the flow of the 100-year flood because the proposed facility is located outside the limits of the 100-year floodplain (Section 830.203(7)).
9. The Illinois Department of Natural Resources (IDNR) EcoCAT database was consulted. A determination of endangered species or critical habitat was performed using the EcoCAT database. Results of the database search are included in

Attachment 7. The IDNR concluded that adverse effects are unlikely. The proposed LMPF pad and adjacent office building have been constructed, therefore the Illinois Historic Preservation Agency was not consulted to assess whether or not the facility is located in an area where it may pose a threat of harm or destruction to features such as a historic or archaeological site, natural landmark or natural area as described in Section 830.203 (8)

10. **Figure 1 of Attachment 1** contains a USGS site location map outlining the facility permit area and all adjacent property extending ½ mile beyond the property boundary.

3.0 STORM WATER CONTROLS (830.204)

The LMPF pad has been designed and constructed such that run-on will be diverted around the perimeter. Precipitation falling directly on to the pad is the only runoff that will be generated from the active leaf mulch production area. Surface water runoff from the facility, resulting from precipitation less than or equal to the 10- year, 24 hour precipitation event, will be controlled so as not to cause or contribute to a violation of the Act. The City of West Chicago (City) requirements are equal to, or more stringent than, these requirements and require storm water detention for runoff from a 100 year, 24 hour precipitation event. The City also requires storm sewer collection and discharge pipe structures to be designed to control a 10-year, 24-hour storm. The storm water detention basins that serve the proposed leaf mulch production area are Ponds 3 and 6 on the site drawings, **Sheets 1 and 2 in Attachment 2**. The entire concrete pad is approximately 5.55 acres, with 0.96 acres of the pad draining toward Pond 3, and 4.59 acres draining to Pond 6. These basins and the incoming storm sewer pipes were constructed to meet the City ordinance requirements. Detailed analyses and design calculations are included in **Attachment 8**. The storm water detention pond calculations were performed by SPACECO, Inc. for the site developer, Lee Development Corporation. The storm sewer calculations were prepared by Peter F. Olson (now AMENT, Inc.) for the site construction contractor, Triad Construction Services, Inc.

- a. Storm water or other water which comes into contact with the interior piles of landscape waste that is received, stored, processed or mulched, or which mixes with landscape waste leachate, will be considered landscape waste leachate and will be re-circulated into the pile, collected and properly disposed of off-site, or treated as necessary prior to discharge off-site to meet applicable standards of 35 Ill. Adm. Code Subtitle C.

Surface water runoff from the concrete pad is collected at each of the drainage inlets shown on **Sheets 1 and 2**. Shallow runoff diversion barriers, such as sand bags or filter socks, will be placed at the toe of the leaf mulch piles in order to collect any leachate draining from within the pile. During heavy precipitation events, surface water runoff will flow directly to the storm drain inlets. For less intense precipitation events, most will be absorbed by the stored and processed leaves. A small portable collection pump will be operated by Kramer Tree Specialists to collect leachate that accumulates from within the leaf storage and mulch piles. It will then be re-circulated

into the pile, or discharged to a waste water treatment facility. Except during large precipitation events, surface water runoff that comes in contact with leaf mulch will not be allowed to leave the Kramer Tree Specialists property without treatment. In general, the stored and processed leaf piles will be stacked as steep as possible to maximize runoff and prevent moisture infiltration.

- b. Ponding of landscape waste leachate within the leaf mulch production area will be prevented by positioning orderly and well-maintained runoff collection barriers and removing the accumulated water in a timely manner. The pad was constructed with sloping surfaces to each of the catch basins to maintain effective removal of storm water during heavy precipitation events. Each catch basin is served by a reinforced concrete drainage pipe to convey storm water into the detention ponds.
- c. The concrete surface used for leaf mulch production is a non-porous material that will dry quickly after surface water runoff is collected, and then discharged from it.

4.0 OPERATING STANDARDS (830.205)

The proposed LMPF will comply with the following operating standards in addition to those set forth in Sections 830.202 and 830.204:

a. Leaf Mulch Process

1. The LMPF will meet the following leaf mulch process standards:

- A. Landscape waste approved for storage and processing at the site will be stored within 24 hours after receipt at the facility by stacking into piles.
- B. The operator shall take measures to maintain the pile density in order to inhibit aerobic decomposition.
- C. The operator shall take measures to minimize moisture infiltration by keeping the outward slope as steep as possible while maintaining stability of the pile.
- D. Landscape waste entering the site will be delivered to the designated leaf mulch production area of the concrete pad. The staging area is illustrated on **Sheet 1 in Attachment 2**. The size of the staging areas may vary depending on the volume of leaves accepted at the facility. In general, the leaf piles will be no more than twenty-five (25) feet in height with an outward slope of less than 1 vertical to 1 horizontal (1V:1H) or less depending on the stability of the stored and processed leaves. During removal of the processed leaves after storage in the piles, site operators will follow Standard Operating Procedures (SOP's) established by Kramer Tree Specialists.
- E. Decomposing material will not be mixed with end-product leaf mulch ready to be sold or offered for use. Chipped tree limbs and trunks, and shredded wood waste, may be added to the processed leaves in order to create another mulch product for sale.
- F. Sufficient equipment and personnel will be available at the site to stack and store incoming volumes of landscape leaf waste within the required

timeframe stipulated in Section 830.205. Personnel associated with the mulch yard at KTS are available during the operating hours of the LMPF.

- G. Written authorization from the Agency will be obtained prior to use of any additives. Additives to the processed leave are not planned for the production of leaf mulch.
2. Each affected portion of the pile will be turned if temperatures in the pile exceed 180 degrees Fahrenheit, indicating that degradation is taking place. The piles of stored and processed leaves will be maintained to prevent infiltration of moisture and air that can sustain degradation of the leaves.
 3. The LMPF is not being operated as a contained leaf mulch production facility. Therefore, no mechanisms to control moisture, air flow and air emissions pertaining to the operation of a contained facility will be constructed.
 4. The mulch production process involves storing the leaves and processing them in their original condition when they are needed for seasonal use in landscaping. Therefore, applicable thermal processing to reduce pathogens is unnecessary.

b. Processing and Storage Surface

1. Open Processes

A. Leaf Mulch Production areas:

- i. The proposed leaf mulch production area will be constructed on a continuous slab surface of reinforced concrete with a minimum thickness of approximately eight (8) inches.
- ii. The proposed leaf mulch production area design will manage run-on and run-off water from the landscape waste in accordance with 830.204. All-weather hard surface access roads into the site have been constructed to allow the site to operate during changing weather conditions.

- iii. Early detection and groundwater monitoring, pursuant to 830.205(b)(1)(A) or 830.205(b)(2)(A), will not be required because no portion of the leaf mulch production will be located on bare ground.
- B. The leaf stacking and storage area, and leaf mulch storage surface, will be constructed and maintained such that:
- i. As shown on **Sheet 1** in **Attachment 2**, run-on waters are diverted away from the leaf mulch production facility as a result of the grading performed during construction of the concrete pad;
 - ii. Runoff waters and landscape waste leachate will be managed in accordance with Section 830.204; and
 - iii. The facility will operate during all weather conditions.
- C. As shown on **Sheet 2** in **Attachment 2**, all surfaces of the proposed leaf mulch production area will be located on a concrete pad with slopes to prevent ponding of surface water runoff.
- c. All utilities necessary for the safe operation of the LMPF already exist at the adjacent KTS shop facility, and are available for use.
 - d. The owner will maintain and operate all systems, related appurtenances and structures for the proposed facility as described in Section V: Operating Plan.
 - e. Open burning will not be allowed at the Kramer Tree Specialists LMPF.
 - f. Dust will be minimized by keeping the access roads and travel paths between piles free of mud and debris, and by watering access roads as needed. Dust emissions from leaf mulch production operations will be controlled by spraying with irrigation water and orienting the piles to minimize wind exposure.
 - g. Noise levels in the proposed leaf mulch production area will be kept as low as reasonably achievable using methods presented herein. Noise will be controlled through the use of mufflers on all vehicles to be used at the LMPF. Maintenance of vehicles will insure that excessive noise is kept to a minimum. Provided that

equipment is kept in good repair, the active work areas will have adequate separation distance from nearby noise receptors.

- h. Vectors will be controlled, so as not to cause or contribute to a violation of the Environmental Protection Act. Problems associated with rodents will be corrected using a licensed extermination contractor who will visit the site and provide traps and other measures for controlling rodents. Insect populations will be corrected by eliminating the source of their propagation and by selective use of pesticides or fly strips. Mosquitoes will be kept to a minimum by preventing standing water to accumulate.
- i. On-site fire protection measures will include maintaining firefighting equipment and telephone access to the West Chicago Fire Protection District (District). The District maintains a fire station less than two miles from the proposed LMPF. Fire extinguishers will be provided at the on-site equipment maintenance building. Fire contingency measures are detailed within the Site Safety Contingency Plan in **Attachment 9**.
- j. The LMPF will be patrolled daily for the retrieval of litter that may result from stacking, grinding and leaf mulch production activities. Retrieved litter shall be placed in a secure container at the equipment maintenance and office building for later disposal. Any litter that may escape the facility boundaries will be collected and disposed of properly by laborers employed in the operation of the mulch yard.
- k. Management procedures for the collection, containment and disposal of wastes that are received and deemed unsuitable for mulch production are detailed in Section V: Operating Plan (f) of this application.
- l. The existing hard surface access roads will be used to prevent mud tracking from the proposed facility. Mud tracked along the entrance roads will be cleaned by Kramer Tree Service.
- m. Monitoring:

Monitoring procedures are described in detail in Section V: Operating Plan (k).

 1. For each of the piles located on the Kramer Tree Specialists LWCF property:

- A. The temperature of each pile of stored and processed leaf material will be monitored on a minimum weekly basis.
 - B. The piles will be maintained to limit oxygen infiltration that will initiate the degradation of the processed leaves. Therefore the oxygen level of each pile of stored and processed leaf material will not be monitored.
2. The Kramer Tree Specialists LMPF will not be operated as an in-vessel continuous feed system. Therefore, Section 830.205, Part m, subpart 2, does not apply.
 3. Early detection and groundwater monitoring, pursuant to 830.205(b)(1)(A) or 830.205(b)(2)(A), will not be required as a result of establishing a working pad surface constructed entirely of concrete.

5.0 OPERATING PLAN (830.206)

The following Operating Plan defines the methods that will be used by Kramer Tree Specialists to manage landscape waste received at its facilities in compliance with 35 IAC 830, 831, and 832. By following this Plan, KTS ensures both compliance with the aforementioned regulations and a consistent high quality end product. This Plan is also intended as a guideline for current personnel and as a training document for new employees.

This facility's operating hours are:

Monday through Friday: 5:30 am to 6:00 pm

Saturday: 5:30 am to 6:00pm

- a. The facility will be operated, maintained, and controlled by the director of operation, yard manager, and the equipment operators and laborers employed at Kramer Tree Specialists. The mulch yard manager is Tim Peters and the operations director is Rick Thomas.
- b. A description of the anticipated quantity and variation, throughout the year, of landscape waste to be received is as follows:

This facility can accept a maximum volume of 30,000 cubic yards of leaf landscape waste per year for production of leaf mulch, utilizing the area illustrated on **Sheet 1** in **Appendix 2**. The concrete mulch processing pad area consists of approximately 5.5 acres. The active leaf mulch production period for the leaf piles is approximately ten (10) months (October through July). The space allocated for storage of leaves is 5.5 acres, of which some will be used for the production of leaf mulch and the remainder for wood mulch. Therefore, the average throughput of leaves for this facility is 30,000 cubic yards, which produces approximately 20,000 cubic yards of leaf mulch after processing.

During the life of the proposed LMPF, the capacity will range up to the maximum amount presented in this section, with the variation a result of the actual acreage utilized for leaves and leaf mulch storage in the operations, and seasonal fluctuation in leaf landscape waste generated. The seasonal quantities of the landscape leaf waste accepted for mulch production will vary throughout the fall.

The outcome of seasonal quantity of leaf landscape waste will be determined by the landscape maintenance and construction companies and municipalities that use the site.

c. The Methods for measuring incoming waste are as follows:

Daily Records will be kept by the Site Yard Manager, using a site ticketing program and database to track the volume of incoming leaf landscape waste that is received and the volume of sold finished leaf mulch. Daily Records will be kept as a backup to the site program and as a readily accessible account of the status of the facility. Methods for measuring incoming landscape waste are described in further detail in Section 10 Recordkeeping and Reporting.

d. Methods to control the types of waste received, in accordance with Section 830.209, and methods for removing, recovering and disposing of non-mulching materials, in accordance with Sections 830.205(k), 830.207 and 830.209, are as follows:

This facility will only accept leaf waste within the definition of landscape waste as described in Section 830.102. A Site Yard Monitor will inspect incoming loads arriving at the staging area. Loads will be inspected for extraneous unwanted materials inconsistent with leaf landscape waste and those with malodors. The Site Yard Manager will be responsible for entering load information onto a form that will be later entered into the database. The load form will contain information on the volume of leaves, and if applicable, the customer information. The Site Yard Monitor will be trained in the management of unacceptable loads and will follow the Operating Plan in the event that an unacceptable load is presented. Once the load information is collected, the vehicle will be instructed to unload.

e. Methods to control traffic and to expedite unloading in accordance with Section 830.205(a)(1)(D) are as follows:

All vehicles entering the facility must do so through the main entrance gate off Charles Court which is locked at all times. After checking-in at the ticket office, they will be allowed to proceed through the gate and into the staging area. The entry gates to the KTS property will also be locked during non-operating hours.

The Site Yard Monitor will make every effort to ensure that trucks entering and leaving the facility are instructed to proceed to and from the staging area in a safe and organized fashion. Traffic may be controlled by the use of road signs, pavement markings and traffic cones to indicate areas of caution, direction to the staging area, exits and speed limits. All site personnel will be instructed to ensure that vehicles entering and exiting the facility are doing so in a safe and organized manner. Inappropriate speeds and maneuvers will be documented and frequent occurrences may be grounds for excluding a customer from the facility.

f. Management procedures that will be used in leaf mulch production will include:

1. Landscape leaf waste entering the site will be delivered to the designated staging areas on the concrete pad and then stacked into piles within 24 hours after receipt.

The staging area is located within the property leased by the operator that encompasses the proposed mulch yard area. The current staging area is illustrated on **Sheet 1 in Attachment 2**. A Site Yard Monitor trained to inspect incoming leaf landscape waste will staff the staging area. The staging area will be used for depositing of leaf landscape waste prior to pile formation. If the load is discovered to contain a large amount of unusable, non-organic material incapable of being used for mulch, the load may be rejected at the staging area and removed by the driver of the vehicle. Plastic bags, whether degradable or not, are to be removed by the individual delivering the load and will be discouraged from being accepted. In the event that incidental materials are inadvertently received, these materials are to be removed and disposed of off-site. Roll-off boxes will be provided on the property for this purpose.

Stacking of leaf landscape waste will take place in the staging area to; reduce the amount of non-organic material that is not capable of being used for mulch; reject unsuitable materials in order to make the end product more attractive and marketable; speed up the delivery process; and provide quality control of materials placed into piles. Each load will be segregated and then stacked based on the volume content.

Processing for size reduction of incoming leaves for leaf mulch production will be performed using a portable horizontal grinder such as a Vermeer HG-6000, or other similar machine. Size reduction will enhance the storage of the processed leaves as leaf mulch.

2. Leaf landscape waste processed in the staging areas of the proposed leaf mulch production facility will be stacked into piles approximately twenty-five (25) feet in height. The length of the piles will vary according to their location within the leaf mulch production area. Sufficient space, approximately ten (10) feet to twelve (12) feet, will be maintained between piles for unobstructed maneuvering of vehicles and equipment. The pile heights will be constructed based on climate conditions and to a size that increases compaction of the processed material. Piles will be oriented so as to minimize the exposed face in the predominant wind direction in order to minimize wind born movement and will be approximately 120 feet wide. A front end loader with bucket attachment or a conveyor stacker will place leaf landscape waste into piles of various lengths depending on orientation on the pad. The front end loader will be used to turn the piles if temperatures rise to 180 degrees Fahrenheit and the material degradation process has initiated.

The existing LMPF facility has a capacity to store approximately 30,000 cubic yards of incoming leaf landscape waste per year. This volume of leaves will produce approximately 20,000 cubic yards of leaf mulch.

A finished product storage area has also been delineated on plan **Sheet 1** in order to illustrate their current location. The curing area consists of a pile approximately 25 feet tall by 75 feet wide by 75 feet long, to hold approximately 3,000 cubic yards of processed leaves as leaf mulch. As the leaves are processed to create mulch, and stacked into a finished mulch pile, they will be used immediately (within 5 to 7 days) by the operator. A minimal end product storage area is shown because the finished mulch is used immediately for sale to commercial landscape companies and municipalities.

Signs mounted on a wood post and anchored in a concrete 5 gallon container will be placed at the locations of the leaf storage pile and the finished leaf mulch

storage pile. These signs will be moved as necessary to identify the leaf mulch production areas within the footprint of the 5.5 acre concrete pad.

3. Written authorization from the Agency will be obtained prior to use of any additive, other than water.
 4. The proposed LMPF facility will have an initial capacity to handle approximately 30,000 cubic yards of landscape waste per year assuming an initial working area of 5.5 acres and that one (1), 300-day leaf collection, storage and processing cycle can be completed from October to July of the following year.
- g. The methods to minimize odors in addition to the requirements specified in 830.202(e) include:

1. A management plan for bad loads:

In the event a load arrives at the gate emitting objectionable odors, the Site Yard Monitor will reject the load if he/she determines that the load cannot be managed with prompt processing into a pile due to the quantity or the quality of the material in question, wind direction and speed, and the extent of the odors.

If a vehicle arrives at the staging area and objectionable odors are detected as the load dumps, the Site Yard Monitor will reject the load.

A record of rejected loads will be kept with the Site Yard Manager and customers who repeatedly deliver bad loads will be warned and possibly banned from the facility.

2. Operation during all weather conditions:

In order to keep leaf piles from decomposing and becoming anaerobic, operations need to be completed during all types of weather conditions. To accomplish this, personnel will be supplied with rain gear and equipment will be properly enclosed to protect operators from the elements. The facility will be appropriately staffed throughout the leaf generating months of the year to accommodate the incoming raw landscape leaf waste material. Personnel requirements at the facility will vary with the season. Additional operators will be

added during peak seasons. A designated area near the staging area will be reserved for placement of leaf landscape waste during wet weather if the material cannot be immediately stacked.

3. Odor complaint procedures:

The LWCF will have a permanent sign that will instruct the public to direct their complaints to both the operator and the IEPA. KTS employees receiving an odor complaint should follow the following procedures:

- a. Record and report to IEPA, within 24 hours after receiving the odor complaint, the following information, if it is volunteered upon request: (1) the date and time received; (2) the name of complainant; (3) the address and phone number of complainant; and (4) the name of the employee receiving the complaint.
- b. Record and report to IEPA within seven days: the date, time and nature of any action taken in response to an odor complaint.
- c. An example of this form is included in **Attachment 10**.

4. Additional odor-minimizing measures:

Anaerobic conditions occur when the decomposition process has begun and oxygen is depleted from the pile. This results in the demise of aerobic bacteria that use oxygen in the degradation process. When these bacteria are removed from the process, anaerobic bacteria begin to flourish. Anaerobic bacteria produce ammonia and methane gases from carbon and nitrogen sources contained in the raw material.

The best method for preventing a leaf pile from becoming anaerobic is to ensure that only leaves are added and that they are stacked to maximize density. The piles must be maintained to reduce moisture and oxygen infiltration. Green materials, such as grass clippings, have a high nitrogen ratio that contributes to the formation of ammonia. Materials like this need to be avoided in the stacked leaf material. To maintain the integrity of the mixture, site personnel will monitor the temperature of each pile on a regular basis as defined in the Operating Plan.

Monitoring data assists in determining if temperatures pose a risk of a fire hazard. If high temperatures are noted, the location will be isolated, excavated and allowed to cool. The goal is to minimize heat generation during the stacked leaf storage period.

Pile dimensions at the Kramer Tree Specialists LWCF are designed to be compatible with their standard operating equipment, and will normally range less than 25 feet in height.

Despite careful monitoring of temperature, piles may emit odors if being excavated to reduce high temperatures. Operators should use the following methods in this situation.

- a. Estimate the odor potential of each pile based on heat content and age of the pile. Be prepared with odor neutralizing agents such as approved chemicals or use the material immediately as mulch.
- b. Use available on-line weather data sites to determine the direction and wind speed. Excavate piles when wind speeds are higher and wind direction is away from sensitive and more populated areas.
- c. Excavate piles during cooler parts of the day. Early morning and late afternoon are usually coolest.
- h. Methods to control storm water and landscape waste leachate in accordance with section 830.205 are demonstrated in Section 3: Storm Water Controls of this application.
- i. Methods to control noise, vectors and litter, in accordance with section 830.205 are demonstrated in Section 4: Operating Standards (g,h,j) of this application.
- j. Methods to control dust emissions in accordance with Section 830.205 (f) are demonstrated in Section 4: Operating Standards (f) and Section 11: Contingency Plan (a)(6) of this application.
- k. Methods for monitoring temperature, oxygen level and moisture level of the leaf landscape waste material in accordance with Section 830.205 (a) are as follows:

Only temperature will be monitored because the processed leaf storage piles will be maintained to minimize oxygen and moisture content, and these parameters are not important to the quality of processed leaf material when used for mulch production.

A pile monitoring program is essential to maintain optimum temperature and density that will produce a high quality product and prevent the formation of decomposed leaves. The program for the KTS site will require that temperatures be measured on a weekly basis, using an appropriate probe. on all formed piles

A Recordkeeping Plan will be maintained as a guide for managing the piles. Temperature probes will be inserted into the pile at a depth of three to four feet, and the readings will be confirmed every 75 feet along the length of the pile. These measurements will used to indicate times when maintenance, such as cooling of the pile, is required. When the temperature in the pile is greater than 60°C, conditions warrant action.

Monitoring of this parameter plays an important role in producing leaf mulch. Methods for adjusting temperature of the stored material, in accordance with Section 830.205 (a), are to cool the pile. This can be accomplished by excavating the pile or adding water.

l. Recordkeeping and reporting procedures pursuant to Section 830.211 are demonstrated within Section 10: Recordkeeping of this application.

m. Methods to obtain composite samples and test end-product:

1. **Determination of Finished Product**

A leaf mulch pile is maintained to preserve the processed leaves in their original state prior to sale as a mulch product. The material is used when seasonal demand warrants excavation of the stored leaves for use in the mulch production process.

2. **Classification of Compost (830.502):**

The stored processed leaves and final mulch products do not have classification or testing methods associated with their production, sale and end use. Kramer

Tree Specialists requests that the testing requirement of Section 830.502 be waived for the production and sale of blended leaf mulch.

3. Performance Standards for General Use Compost (830.503)

Kramer Tree Service will not produce compost at the Mulch Yard. The following standards will be applied to the blended leaf mulch product that is produced for sale:

General Use Mulch:

- a. Must be free of any materials which pose a definite hazard to human health due to physical characteristics, such as glass or metal shards.
- b. Must not contain man-made materials larger than four millimeters in size exceeding 1% of the end product mulch on a dry weight basis.

4. Testing Requirements for End Product Compost Derived from Landscape Waste (830.504)

Standards do not exist for blended mulch produced with processed leaves. Kramer Tree Specialists requests that the testing requirement of Section 830.504 be waived for the production and sale of blended leaf mulch.

5. Sampling Methods (830.507)

Kramer Tree Specialists requests that the sampling methods requirements of Section 830.507 be waived for the production and sale of blended leaf mulch.

6. Plans for Use of Finished General Use Compost

Blended leaf mulch will be offered to wholesale markets by Kramer Tree Specialist, such as landscape contractors and to municipalities, for general use in mulching applications. Kramer Tree Service already has a market base for which to utilize the end product.

7. Off-Specification Compost (830.508)

All of the blended leaf mulch product will be offered for sale. In the event that blended leaf mulch does not meet customer specifications, it will be screened

and reprocessed, or disposed of at a facility permitted to use it for production of compost.

6.0 SALVAGING (830.207)

Salvaging will not be allowed at the Kramer Tree Specialists LWCF.

7.0 ACCESS CONTROL (830.208)

All vehicles entering the facility will do so through a secured main entrance gate off of Charles Court and will proceed to the staging area. The entry gates to the LWCF will be locked during non-operating hours. The gates are shown on **Drawing 1** in **Attachment 2** and are also secured during times of operation. The Site Yard Monitor will make every effort to ensure trucks entering and leaving the facility are instructed to proceed to and from the staging area in a safe and organized fashion. Traffic may be controlled by the use of road signs, pavement markings and traffic cones to indicate areas of caution, direction to the staging area, exits and speed limits.

The concrete road surface will reduce the potential for mud to be tracked onto the public roadways. Should mud accumulate on the roadways belonging to the public or the facility, it will be removed by KTS equipment.

Access routes that are not gate-restricted into the facility from Charles Court, are restricted by a six (6) feet high chain link fence and a four (4) feet tall concrete jersey block wall. Access from the adjacent properties is restricted using in-place vegetated buffers on the north, south, east and west.

8.0 LOAD CHECKING (830.209)

- a. A Site Monitor will inspect incoming loads arriving at the staging area, located within the mulch yard. Loads will be inspected for extraneous unwanted materials inconsistent with landscape waste and undesirable malodors. The Site Yard Monitor will be responsible for entering load information into the database and printing a load ticket. The load ticket will contain information on the volume of material, the type of material and customer information.

- b. The Site Yard Monitor will be trained in the management of unacceptable loads and will follow the LMPF Operations Contingency Plan and Odor Minimization Plan in the event that an unacceptable load is presented. Once the load information is collected, the vehicle will be instructed to unload at the staging area.

9.0 PERSONNEL TRAINING (830.210)

The operator of the LMPF will provide training to all personnel prior to initial operation of the facility. In addition, annual personnel training will be provided which will include, at a minimum, a thorough explanation of the operating procedures for both normal and emergency situations. KTS maintains a Standard Operating Procedure for an annual Spring orientation meeting for employees of the mulch yard. This procedure is included as **Attachment 9, Appendix E.**

- a. New employees shall be trained, prior to participating in operations at the facility, in facility operations, maintenance procedures and safety and emergency procedures relevant to their employment.
- c. The operator will have personnel sign an acknowledgement stating that they have received the training required pursuant to this section.
- d. The facility operating plan required pursuant to Section 830.206 will be made available and explained to all employees.

Samples of Standard Operating Procedures for training of KTS personnel are included in **Attachment 9.**

10.0 RECORDKEEPING (830.211)

The following methods outline the procedures used to comply with 35 IAC 830.211, which requires all facilities to develop recordkeeping procedures for operations. This regulation also requires that each facility keep copies of facility permits, operating plans and required reports on-site for inspections.

- a. Copies of permits, reports and inspections will also be kept at the Kramer Tree Specialists main office located at:

300 Charles Court
West Chicago, Illinois 60185

b. The operator will record the following information:

1. Quantity of each load of leaf landscape waste received and quantity of end product removed:

The volume of all loads received will be entered into the company's computer database and a hard copy record will be printed. Additionally, the Site Yard Monitor may track incoming volumes on a spreadsheet or other digital format.

2. Dates of Excavation or Watering of a Pile:

Attachment 11 contains the pile cooling form.

3. Pile Monitoring Data:

Attachment 11 contains the form used to track temperature monitoring data.

4. Conditions evaluated:

Conditions evaluated relevant to the items in Section 830.206 will be documented and summarized in a daily report prepared by the operator.

5. Odor Complaint Records:

Attachment 10 contains the Odor Complaint Reporting Form.

6. Record Of Any Event That Results In Implementation Of Contingency Plan:

Attachment 11 contains the form for reporting the activation of the Contingency Plan for emergency situations.

7. Sampling and Testing Records and Results

There is no existing sampling and testing requirement for processed leaf mulch, therefore records and results are not applicable to the proposed leaf collection, processing, storage and mulch production facility.

8. The daily quantity of each type of end-product removed from the facility:

All of the produced mulch that is removed from the facility will be tracked and reported according to amount removed and date removed. **Attachment 13** contains the form for reporting amount of mulch removed from the facility.

9. Training Records:

Records will be kept for each employee of Kramer Tree Service who is trained in Facility Operations and the record will be updated on a yearly basis.

Maintenance of Records:

All records shall be kept for a minimum of three years and will be available during normal business hours for inspection and photocopying by the Agency. Additionally, records must be sent to the Agency on request.

11.0 CONTINGENCY PLAN (831.07)

- a. A contingency plan has been established that addresses the contingencies set forth in Section 830.202(c) and the following additional contingencies:

1. Equipment Breakdowns:

Kramer Tree Service maintains a fully operational tree care business on property where the LMPF is planned. Some of the equipment used for the facility is also used in this business. Duplicate equipment and qualified repair technicians are available at the site to deal with breakdown of equipment. Careful records are maintained on each piece of equipment to ensure that it stays in service. In the

event of equipment failure that impairs the ability of the site to function, additional equipment will be supplied through a rental.

2. Odors

When a complaint is logged, the cause of the odor will be determined and remedied by implementing procedures outlined in Section 4: Operating Standards (g).

3. Unacceptable Waste Delivered to the Facility

Unacceptable waste will be rejected, prior to unloading, by the Site Yard Monitor. If municipal solid waste or other unacceptable landscape waste is dumped at the facility, it will be promptly removed from the facility and disposed of off-site at a permitted disposal facility. The closest facility is the DuKane Transfer Station operated by Groot Industries.

Often, small non-mulching materials are inadvertently accepted as "incidental" to the load (rocks, plastic bags, etc.). These materials are removed during the grinding and screening process and disposed of properly.

4. Groundwater Contamination

A reinforced concrete pad will be maintained at all times between the water table and the processed leaf storage piles. Groundwater contamination from the LMPF is highly unlikely.

5. Accidental Release of Special Waste

Should processed leaf materials become contaminated by antifreeze, diesel fuel or hydraulic oil from trucks and heavy equipment, the suspect material will undergo Special Waste Testing and Approval protocols as necessary by an IEPA approved sanitary landfill capable of accepting Special Waste. Once the waste is approved, it will be transported by a licensed special waste hauler and disposed of properly. The nearest facility is the DeKalb Landfill operated by Waste Management.

6. Fires, Dust, Noise, Vectors, Power Outages and Unusual Traffic Conditions

Fires can occur within piles when temperatures rise above the combustion temperature of the materials. This is unlikely in a properly maintained leaf storage pile where temperatures average 40° C. The **Site Contingency Plan in Attachment 9**, list some procedures to be implemented in case of a fire or other emergency. Water is available from hydrants located at the mulch yard and hoses are kept in the equipment maintenance building on the property.

Dust problems will be remedied by watering access roads as needed. When excavating dry processed leaf piles, water should be used to suppress dust.

Noise is controlled through the use of mufflers on all vehicles. Maintenance of vehicles insures that excessive noise is keep to a minimum. The location of the site in a predominately industrial and manufacturing area and the distance from Roosevelt Road should mitigate noise issues from potential receptors.

In the event of a power outage, the Site Yard Monitor will revert to the use of hand recorded sheets to register the receipt of loads. The receiving hours for the site are such that daylight will be adequate for this task. All vehicles are equipped with lights to allow safe operation. Workers on the site receive and send communications by cell phone and/or two way radios. A power outage should not affect communications.

Rodent problems will be remedied by contracting with an extermination contractor who will visit the site and provide traps for rodents. Insect populations will be controlled using good housekeeping measures and selective use of pesticides. Mosquitoes will be kept to a minimum by preventing standing water to accumulate.

Traffic on Charles Court is light near the facility, and if adverse weather conditions or accidents occur, the facility will suspend deliveries until the episode is over. Alternatively, in the case of adverse weather, steps will be taken to slow traffic into and out of the facility to avoid accidents. Such steps might include the removal of snow, directing traffic manually in the appropriate safety clothing, and temporary repairs to roads. In the case of an accident, traffic will be re-routed or slowed to allow emergency personnel to gain access to the situation.

- b. The facility contingency plan will be available on-site and implemented as necessary.

12.0 CLOSURE PLAN (830.213)

- a. The following written closure plan has been developed and contains the following:

1. Premature closing of the facility:

Should the Facility be closed prematurely, the following steps would be followed:

- A. Kramer Tree Service shall immediately post signs in letters not less than three inches high:

"This facility is closed for all leaf processing and storage activities and receipt of leaf waste materials. No dumping allowed. Violators will be prosecuted."

- B. Written notification will be sent to large customers notifying them of the premature closure of the site and directing them to possible alternative permitted landscape waste transfer or composting sites.

- C. Any processed leaf material will be prepared as mulch and sold or allowed for pick-up before the 180-day clock expires.

- D. Any waste material or contaminated mulch would be disposed of properly.

2. Routine final closure of the facility:

- A. The operator of the facility will maintain a copy of the closure plan at the facility. This will be available in the facility main office. Kramer Tree Service will initiate implementation of the closure plan within 30 days following the beginning of closure.

B. Upon the decision to close the Leaf Mulch Production Facility, a thirty-day (30) notice will be sent to the Agency

C. Commensurate with the notification to the State, all large-scale customers who disposed of leaf landscape waste will be notified that the facility no longer is accepting landscape waste.

D. Thirty days after the initiation of closure, signage with three inch text will be posted at all access gates to the facility and will read:

"This facility is closed for all leaf processing and storage activities and receipt of all leaf landscape waste materials. No dumping allowed. Violators will be prosecuted."

E. Finished processed leaf storage and blended mulch piles will be managed as described in the Premature Closure Plan.

F. Existing Financial Assurance shall be maintained until a Certificate of Closure is approved by the Agency.

G. An affidavit on an Agency supplied form will be submitted upon completion of closure.

H. On or before April 1 of the year following closure, a Modified Annual Report will be filed with the Agency covering the period of time since the last Annual Report was submitted (April 1 of the previous year). The final report will verify that closure has been completed.

3. Steps to be taken to prevent damage to the environment during temporary suspension:

In the event that there is suspension of activities, the leaf landscape waste can be re-routed to another permitted landscape waste transfer facility located in West Chicago, the DuPage Yard Waste Transfer Station.

4. A revised closure plan will be developed and submitted to the Agency if a modification of the operation of the facility is proposed that would affect the cost of closure of the facility or any portion thereof. This would include; a temporary suspension of leaf landscape waste acceptance at the facility; or an increase of the design capacity to process leaf landscape waste.

13.0 SUBPART F: FINANCIAL ASSURANCE PLAN (830.601, 830.602, 830.603, 830.604, 830.605, 830.606)

a. Written Cost Estimate

For the purposes of preparing this written cost estimate, the following is assumed:

1. The rate of leaf landscape waste that enters the facility is based on the maximum volume of leaf landscape waste permitted, which is 30,000 cubic yards.
2. The maximum volume of landscape waste on site is equal to the annual maximum, 30,000 cubic yards. This is the total volume of processed leaf material that will require removal, during a 180 day closure period,
3. The volume available for blending into mulch, can consume the leaf storage pile at closure (20,000 cubic yards after consolidation) under worst case scenario conditions. The worst case scenario is described as follows:
 - a. In late December, all leaves have been collected, processed and are waiting to be utilized for sale as mulch.
 - b. One equipment operators will work at the facility during 60 working days within the required 90 day closure period, in order to complete the mulch production and then loading it into tucks for removal. Estimated removal rate of 2,000 cubic yards per day.

- c. The mulch material will be sold at a bulk rate in order to serve as an incentive to facilitate its removal.
- d. The estimated quantity of raw material accumulated at the site for the 90 days prior to closure is 30,000 cubic yards as described in 2) and 3) above. The quantity available for sale as mulch is 20,000 cubic yards.
- e. Closure Costs are limited to the 60 days of operation required to process and load the material. Any remaining processed leaf material not blended into mulch will be delivered to the West DuPage Landscape Waste Transfer Station less than one-quarter mile away located on Washington Street. The amount of material is estimated to be less than 75 cubic yards and the tipping fees are estimated at \$15.00 per cubic yard.
- f. The itemized cost of closure is as follows:

Item	Unit Cost	Total Cost
11 days of Operation: Labor and Equipment loading @\$120.00 hour	\$960.00 per day	\$10,560
30,000 cubic yards of leaves processed	\$1.50 per cubic yard	\$45,000
Closure Certification and Annual Report	12 hours @\$80 per hour consultant fee	\$ 900
Removal of Unsuitable Material for Disposal @ 75 cubic yards	\$15.00 cubic yards	\$1,125
Bulk Mulch Revenue for 20,000 cubic yards	\$4.00 per cubic yard	(\$80,000)
	Total:	\$(22,415)

b. Financial Assurance Mechanism

Kramer Tree Service will not be required to fund the cost of closure for this facility due to the net positive outcome for closure of the LMPF.

The operator will submit to the Agency a Facility Financial Assurance Plan Compliance Certification with the information required by Ill. Adm.Code 830.606, a), b) c), d) and e).

**ATTACHMENT 1: USGS WEST CHICAGO 7.5 MINUTE QUADRANGLE
MAP**

ATTACHMENT 2:

FIGURE 1: USGS SITE LOCATION MAP

FIGURE 2: LAND USE/SITE ZONING MAP

SHEET 1: EXISTING CONDITIONS SITE PLAN

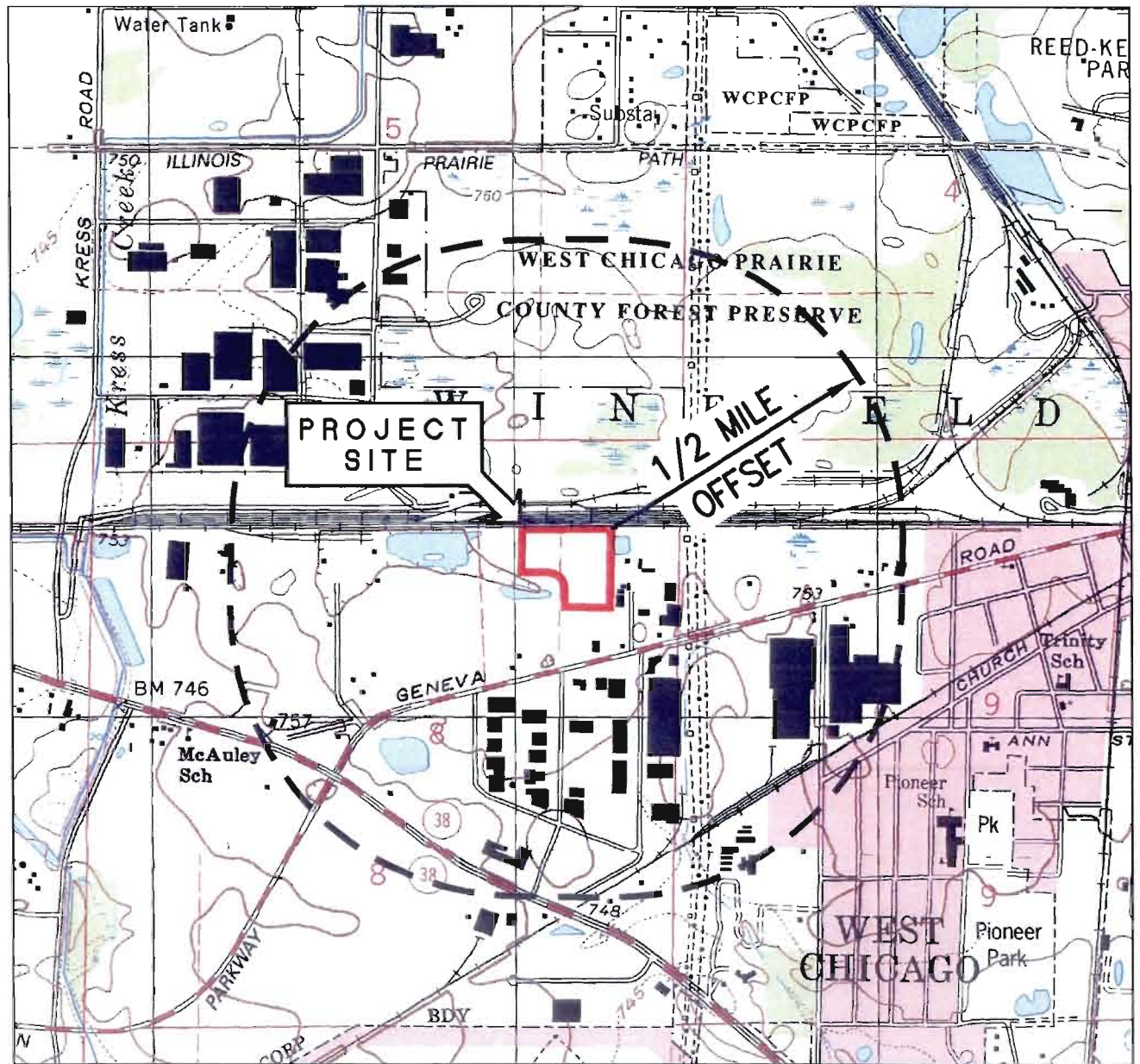
SHEET 2: PERMIT SITE PLAN

KRAMER TREE SPECIALISTS, INC. LEAF MULCH PRODUCTION FACILITY WEST CHICAGO, ILLINOIS

PREPARED BY:
ANDREWS ENGINEERING, INC.
1770 Quincy Avenue, Suite 205, Naperville, Illinois 60563
Tel: (630) 344-3321 Fax: (630) 344-3384

FOR
JPL ENVIRONMENTAL ENGINEERING

REV	DATE	DES	CHKD	APP'D	REVISION DESCRIPTION
1	4/13/11	JPL	MSK	JPL	ISSUED FOR COMMENT



SITE LOCATION MAP
SCALE: 1"=1500'



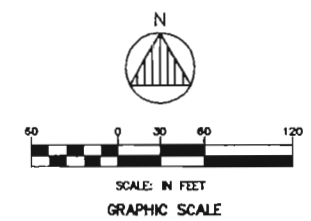
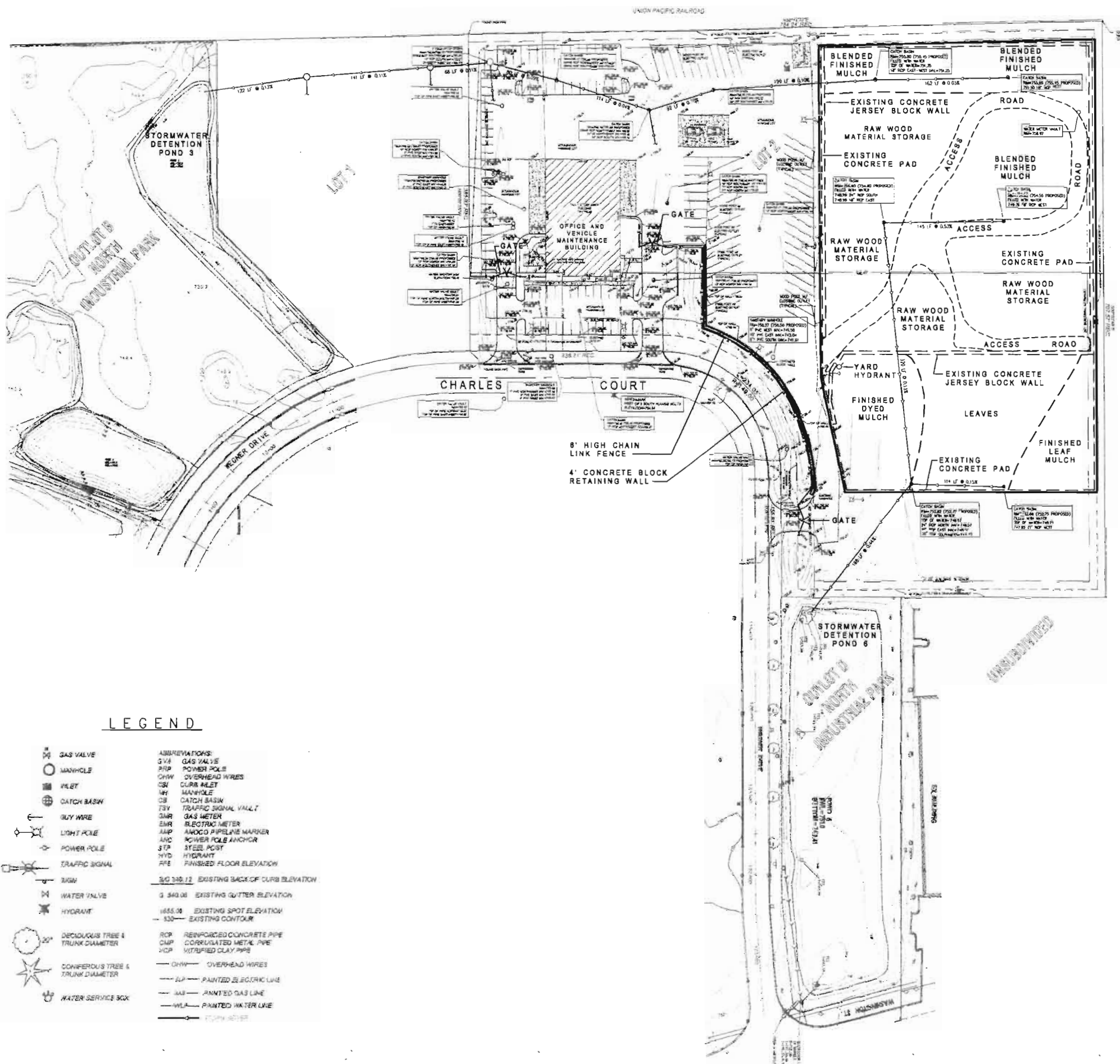
DRAWING INDEX	
DRAWING	TITLE
FIGURE 1	USGS SITE MAP
FIGURE 2	MAP WITH ZONING BOUNDARIES
DRAWING 1	EXISTING CONDITIONS PLAN
DRAWING 2	PERMITTED SITE PLAN

**KRAMER TREE SPECIALISTS, INC.
LEAF MULCH FACILITY
WEST CHICAGO, ILLINOIS**

USGS SITE MAP

REV	SCALE	DATE
PROJECT No. 2011-709		
REV. 1	SCALE AS SHOWN	
DESIGN	JPL	4/13/11
CADD	MSK	4/13/11
CHECK	JPL	4/13/11

FIGURE 1



LEGEND

- | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------------------|--|---------------------------|--|-------------------------|--|-------------------|--|---------------------------|--|----------------------|--|------------------------|--|-------------------|--|---------------------------------|--|----------------------------------|--|-------------------|
| | GAS VALVE | | MANHOLE | | CATCH BASIN | | LIGHT POLE | | POWER POLE | | TRAFFIC SIGNAL | | WATER VALVE | | HYDRANT | | DECIDUOUS TREE & TRUNK DIAMETER | | CONIFEROUS TREE & TRUNK DIAMETER | | WATER SERVICE BOX |
| | ABBREVIATIONS: | | GVS GAS VALVE | | MHP MANHOLE | | CB CATCH BASIN | | LPT LIGHT POLE | | PP POWER POLE | | HYD HYDRANT | | DT DECIDUOUS TREE | | CT CONIFEROUS TREE | | WSB WATER SERVICE BOX | | |
| | RCP REINFORCED CONCRETE PIPE | | CMP CORRUGATED METAL PIPE | | MCP MITRIFIED CLAY PIPE | | OW OVERHEAD WIRES | | PEL PAINTED ELECTRIC LINE | | PLG PAINTED GAS LINE | | PLW PAINTED WATER LINE | | U UTILITY | | | | | | |

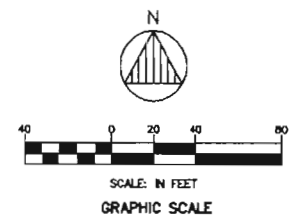
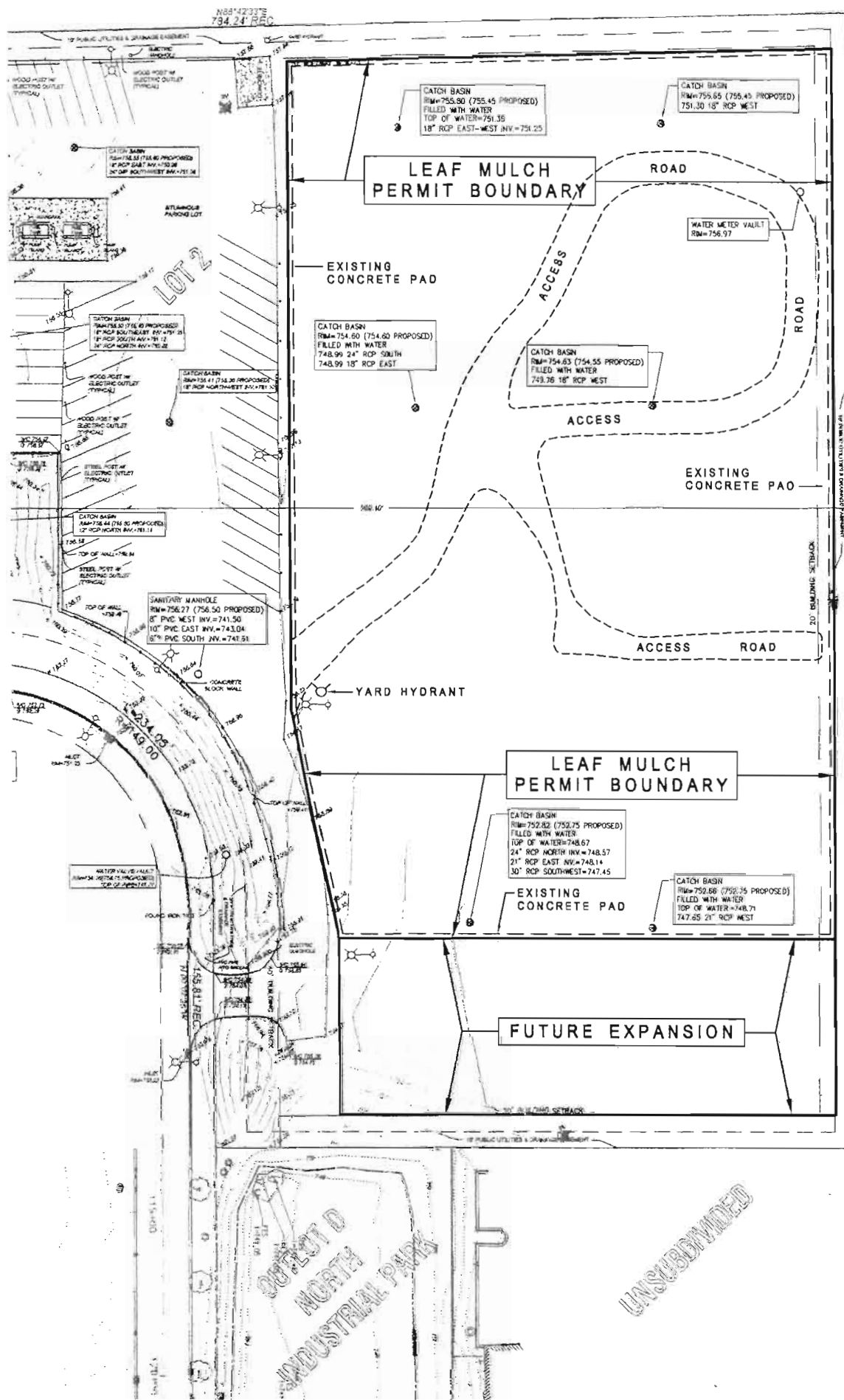
PREPARED BY:
ANDREWS ENGINEERING, INC.
FOR
JPL ENVIRONMENTAL ENGINEERING

REV	DATE	BY	CHKD	DESCRIPTION
1	4/13/11	JPL	JPL	ISSUED FOR COMMENT
				REVISION DESCRIPTION

KRAMER TREE SPECIALISTS, INC.
LEAF MULCH FACILITY
WEST CHICAGO, ILLINOIS

EXISTING CONDITIONS

PROJECT NO.	2011-709
REV.	SCALE AS SHOWN
DESIGN	JPL 4/13/11
CADD	MSK 4/13/11
CHECK	JPL 4/13/11



LEGEND

	GAS VALVE		GAS VALVE
	MANHOLE		POWER POLE
	INLET		OVERHEAD WIRES
	CATCH BASIN		CATCH BASIN
	GAS VALVE		TRAFFIC SIGNAL VAULT
	GAS VALVE		GAS METER
	LIGHT POLE		ELECTRIC METER
	POWER POLE		ARROW PIPE MARKER
	TRAFFIC SIGNAL		POWER POLE ARROW
	SIGN		STEEL POST
	WATER VALVE		HYDRANT
	HYDRANT		FINISHED FLOOR ELEVATION
	DECIDUOUS TREE TRUNK DIAMETER		EXISTING BACK OF CURBS ELEVATION
	CONIFEROUS TREE TRUNK DIAMETER		EXISTING GUTTER ELEVATION
	WATER SERVICE SOCK		EXISTING SPOT ELEVATION
			EXISTING CONTOUR
			REINFORCED CONCRETE PIPE
			CORRUGATED METAL PIPE
			VITRIFIED CLAY PIPE
			OVERHEAD WIRES
			PAINTED ELECTRIC LINE
			PAINTED GAS LINE
			PAINTED WATER LINE

PREPARED BY:
ANDREWS ENGINEERING, INC.
1170 South Ashland, Suite 20, Naperville, IL 60563
630.335.4332
FOR: **JPL ENVIRONMENTAL ENGINEERING**

REV.	DATE	BY	CHKD.	DESCRIPTION

KRAMER TREE SPECIALISTS, INC.
LEAF MULCH FACILITY
WEST CHICAGO, ILLINOIS

PERMITTED SITE PLAN

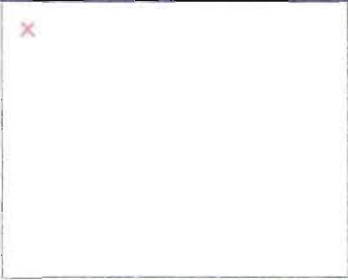
PROJECT No.	2011-709
REV. 1	SCALE AS SHOWN
DESIGN	JPL 4/13/11
SAFS	WSX 4/13/11
CHECK	JPL 4/13/11

DRAWING 2

File: \\2011-709_Kramer Tree Services\Drawings\Current Set\Drawing 2 - Permitted Site Plan.dwg User: jpl Date: 4/13/11 10:47am

**ATTACHMENT 3: POTABLE WATER WELL LOCATION MAP AND
INFORMATION LOGS**

ArcIMS HTML Viewer Map



Legend

Water and Related Wells

Well Status

- Water
- + Dry
- Engineering
- Stratigraphic
- Observation
- Mineral Test
- Outcrop
- Mine-related
- Hazardous Waste or Leaking Tank

- ▭ Sections
- ▭ Townships
- ▭ Counties
- ▭ Lakes
- ▭ Municipalities

CUA 2005 UTM 16 (east)

RGB

- Red: Band_1
- Green: Band_2
- Blue: Band_3

DOO 2005 UTM 16 (east)

Value

High : 255

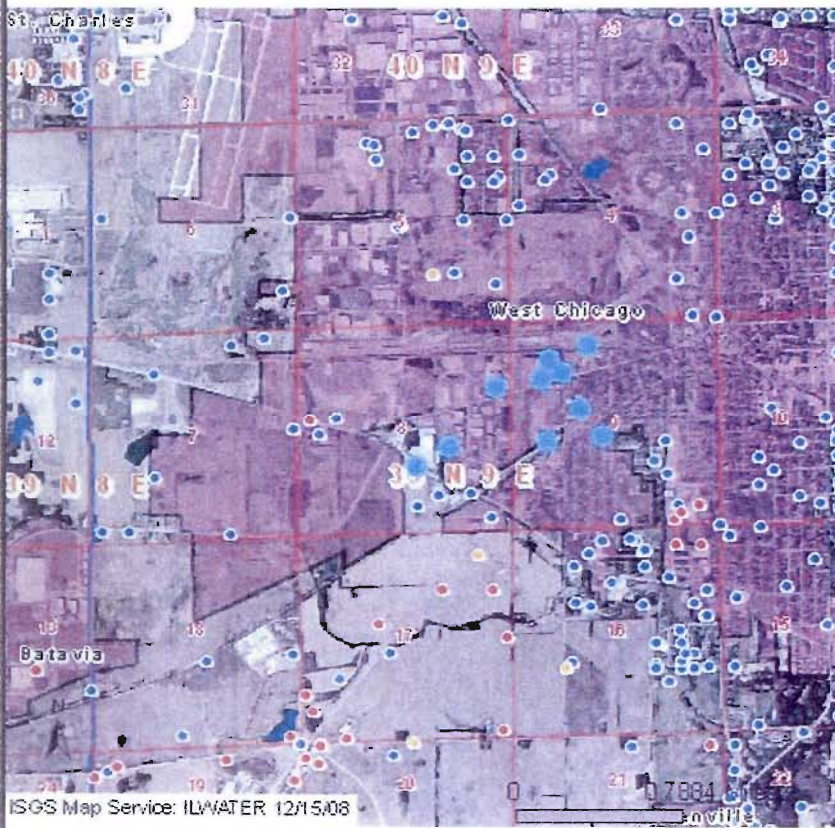
Low : 0

DOO 2005 UTM 15 (west)

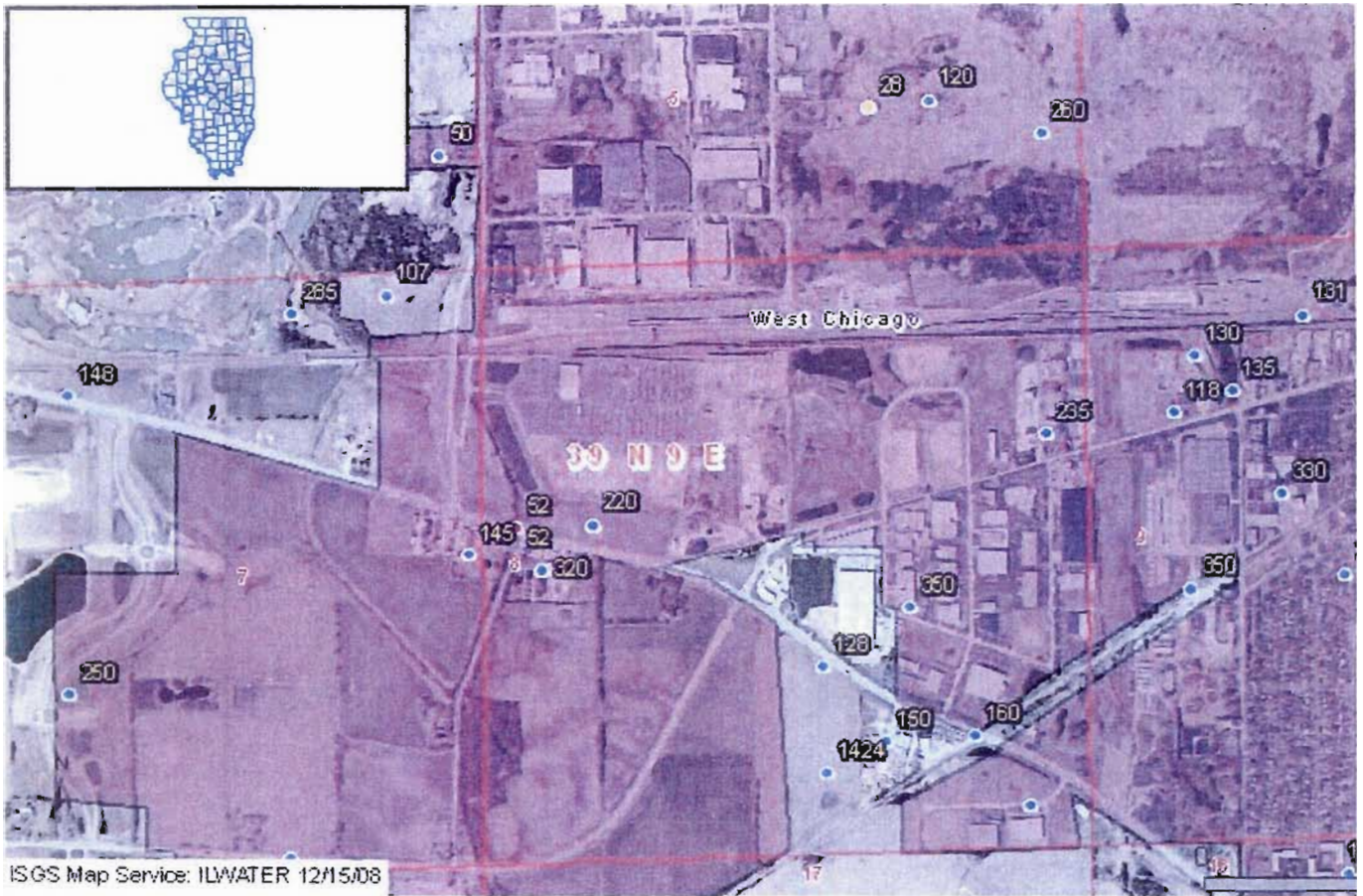
Value

High : 254

Low : 0



ISGS Map Service: ILWATER 12/15/08



ILLINOIS STATE GEOLOGICAL SURVEY

Municipal Water Supply	Top	Bottom
clay & boulders	0	10
clay	10	13
clay & boulders	13	92
white lime	92	103
gray lime	103	107
porous white lime	107	123
hard white lime	123	199
gray lime	199	210
white lime	210	255
gray lime	255	345
shale	345	350
Total Depth		350

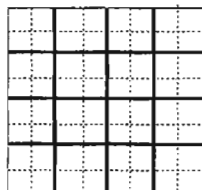
Casing: 14" BLACK STEEL CEMENTED from -1' to 93'
 Water from Silurian limestone at 0' to 0'.

Location source: Location from the driller

Permit Date:

Permit #:

COMPANY Wehling, Richard H.
FARM West Chicago, City of #8
DATE DRILLED October 31, 1988 **NO.**
ELEVATION 750GL **COUNTY NO.** 29697
LOCATION 2150'N 1550'W SE/c
LATITUDE 41.876562 **LONGITUDE** -88.229671
COUNTY DuPage **API** 120432969700



8 - 39N - 9E

ILLINOIS STATE GEOLOGICAL SURVEY

Water Well	Top	Bottom
Total Depth Driller's Log filed		128

Permit Date:

Permit #:

COMPANY Liberg, Patrick A.

FARM Schoppe Rodger

DATE DRILLED May 1, 1969

NO.

ELEVATION 0

COUNTY NO. 01205

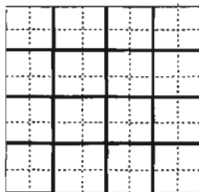
LOCATION SW NW SE

LATITUDE 41.875144

LONGITUDE -88.232482

COUNTY DuPace

API 120430120500

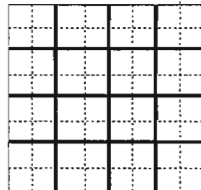


8 - 39N - 9E

ILLINOIS STATE GEOLOGICAL SURVEY

	Top	Bottom
Total Depth		350
<p>Driller's Log filed Sample set # 31318 (0' - 355') Received: July 11, 1958</p>		
Permit Date:	Permit #:	

COMPANY Neely, Larry C.
FARM Ball Geo Inc
DATE DRILLED June 1, 1958 **NO.**
ELEVATION 0 **COUNTY NO.** 00088
LOCATION 415'N line, 385'E line of NW SW
LATITUDE 41.876907 **LONGITUDE** -88.220537
COUNTY DuPage **API** 120430008800



9 - 39N - 9E

ILLINOIS STATE GEOLOGICAL SURVEY

Water Well	Top	Bottom
Total Depth Driller's Log filed		75

Permit Date:

Permit #:

COMPANY Neely, Larry C.

FARM Fairbank A F

DATE DRILLED January 1, 1957

NO. 1

ELEVATION 753GL

COUNTY NO. 00077

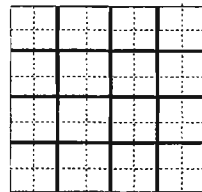
LOCATION NE NE SW

LATITUDE 41.877209

LONGITUDE -88.215486

COUNTY DuPage

API 120430007700



9 - 39N - 9E

ILLINOIS STATE GEOLOGICAL SURVEY

Water Well	Top	Bottom
Total Depth Driller's Log filed		130

Permit Date:

Permit #:

COMPANY Diebold Chester C
FARM Lussenhop Adolph
DATE DRILLED November 1, 1940 **NO.**
ELEVATION 0 **COUNTY NO.** 01746
LOCATION SE NW NW
LATITUDE 41.882605 **LONGITUDE** -88.220326
COUNTY DuPage **API** 120430174600

9 - 39N - 9E

ILLINOIS STATE GEOLOGICAL SURVEY

Water Well	Top	Bottom
Total Depth Driller's Log filed		131

Permit Date:

Permit #:

COMPANY Neely&Schimelpfening

FARM Lockert Jake

DATE DRILLED January 1, 1941

NO.

ELEVATION 0

COUNTY NO. 01745

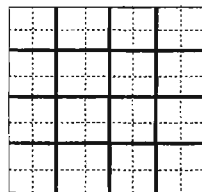
LOCATION NE NW

LATITUDE 41.883559

LONGITUDE -88.216705

COUNTY DuPage

API 120430174500



9 - 39N - 9E

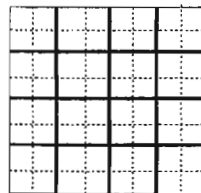
ILLINOIS STATE GEOLOGICAL SURVEY

Water Well	Top	Bottom
Total Depth Driller's Log filed		330

Permit Date:

Permit #:

COMPANY Neely Cliff L
FARM Molded Products Corp
DATE DRILLED January 1, 1954 **NO. 1**
ELEVATION 690GL **COUNTY NO.** 00068
LOCATION 2250'N line, 1750'W line of section
LATITUDE 41.879171 **LONGITUDE** -88.2175
COUNTY DuPage **API** 120430006800



9 - 39N - 9E

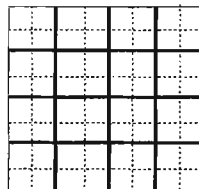
ILLINOIS STATE GEOLOGICAL SURVEY

Water Well	Top	Bottom
<p> Total Depth Driller's Log filed Sample set # 17688 (84' - 118') Received: January 5, 1948 </p>		<p>118</p>

Permit Date:

Permit #:

COMPANY Diebold Chester C
FARM Schlick Clarence
DATE DRILLED January 1, 1947 **NO.**
ELEVATION 758GL **COUNTY NO.** 01747
LOCATION 1500'N line, 800'W line of section
LATITUDE 41.881195 **LONGITUDE** -88.221002
COUNTY DuPage **API** 120430174700



9 - 39N - 9E

ILLINOIS STATE GEOLOGICAL SURVEY

Irrigation Well	Top	Bottom
lay	0	70
fine sand & gravel	70	80
limestone	80	235
Total Depth		235
Casing: 6" STEEL A53 BLACK from -1' to 81'		
Grout: BENTONITE from 0 to 80.		
Water from limestone at 80' to 235'.		
Static level 80' below casing top which is 1' above GL		
Pumping level 85' when pumping at 50 gpm for 2 hours		
Additional Lot: 1 Subdivision: Ifkovits Ass't Plat		
location info:		
Address of well: same as above		
Location source: Location from permit		
Permit Date: October 27, 1997		
Permit #:		

COMPANY Kerry, Charles M.
FARM We Go Greenhouse
DATE DRILLED November 6, 1997 **NO.**
ELEVATION 0 **COUNTY NO.** 30638
LOCATION NE SE NE
LATITUDE 41.880715 **LONGITUDE** -88.225168
COUNTY DuPage **API** 120433063800

8 - 39N - 9E

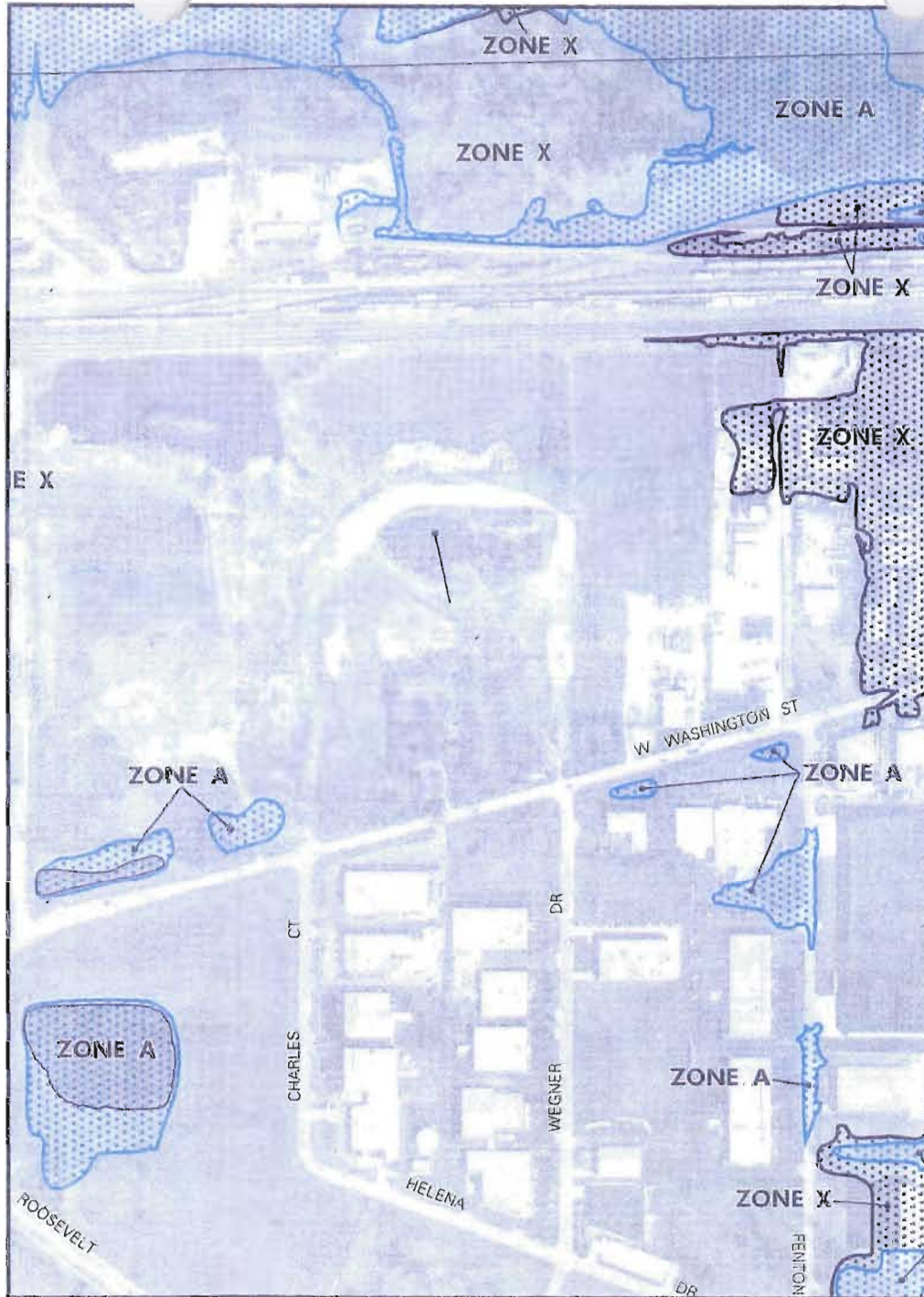
ILLINOIS STATE GEOLOGICAL SURVEY

Private Water Well	Top	Bottom
op soil	0	3
clay	3	10
sand gravel	10	35
clay	35	80
sand gravel	80	95
clay	95	125
sand gravel	125	129
rock	129	135
Total Depth		135
Casing: 5" BLACK 200# from 0' to 129'		
Grout: CUTTINGS from 0 to 129.		
Size hole below casing: 4.75"		
Water from rock at 129' to 135'.		
Static level 50' below casing top which is 1' above GL		
Pumping level 65' when pumping at 14 gpm for 3 hours		
Permanent pump installed at 80' on December 1, 1987, with a capacity of 14 gpm		
Additional Lot: #9 Subdivision: Friends location info:		
Address of well: 28 W. 625 Berkshire Rd. W. Chicago		
Location source: Location from permit		
Permit Date: October 22, 1987		Permit #: 136509

COMPANY Knierim, Phil
FARM Elliot Concrete
DATE DRILLED December 1, 1987 **NO.**
ELEVATION 0 **COUNTY NO.** 27991
LOCATION NW
LATITUDE 41.88171 **LONGITUDE** -88.219119
COUNTY DuPage **API** 120432799100

9 - 39N - 9E

ATTACHMENT 4: FLOOD INSURANCE RATE MAP



JOINS

ZONE AE
(EL 757)

ZONE X

ZONE X

ZONE X

ZONE X

W WASHINGTON ST

ZONE A

4637000 M

ZONE A

ZONE A

ZONE X

ZONE AE
(EL 749)

National Flood Insurance Program at 1-800-638-6020.

MAP SCALE 1" = 500'

250 0 500 1000 FEET

PANEL 0401H

FIRM
FLOOD INSURANCE RATE MAP
DuPAGE COUNTY,
ILLINOIS
AND INCORPORATED AREAS

PANEL 0401 OF 1006

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DuPAGE COUNTY	17039	0401	H
WEST CHICAGO, CITY OF	17029	0401	H

Notes to Users: The Map Number shown below should be used when placing map orders. The Community Number shown above should be used on insurance applications for the subject community.

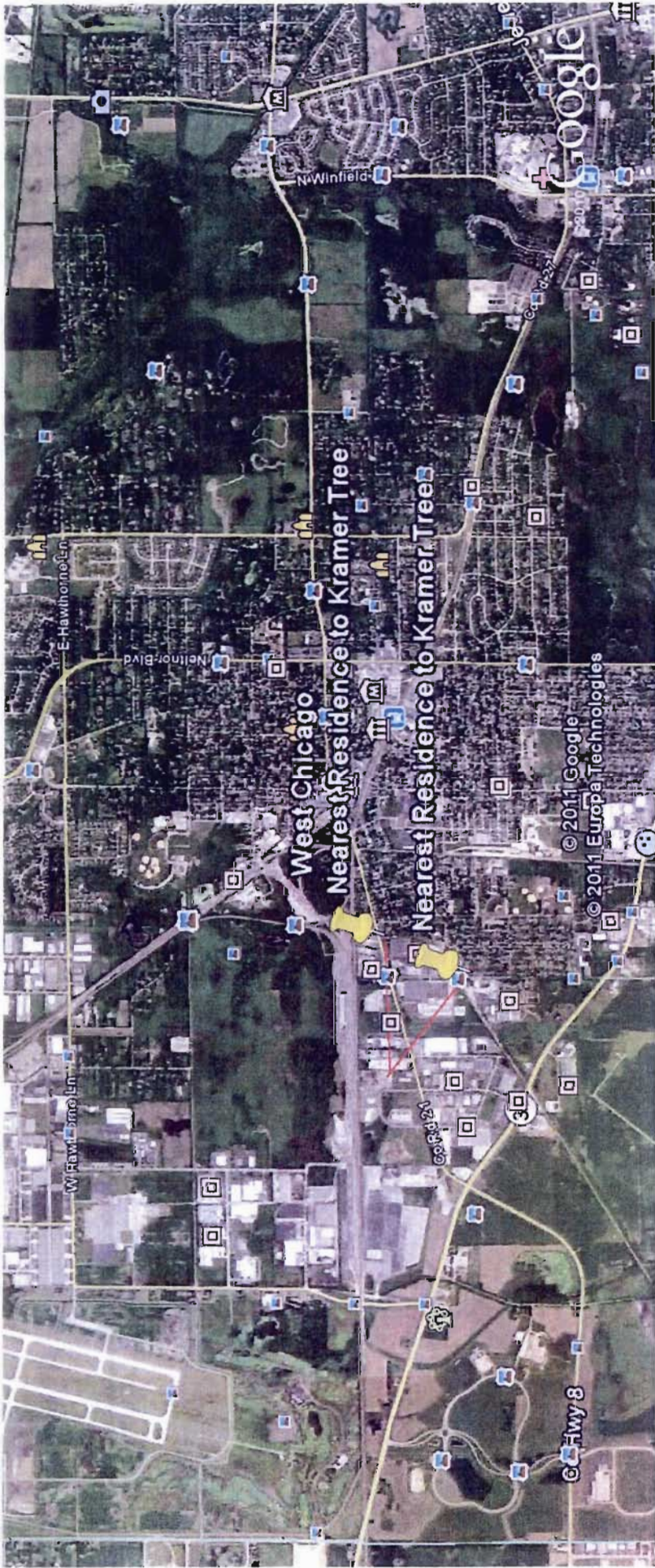
MAP NUMBER
17043C0401H

EFFECTIVE DATE
DECEMBER 16, 2004

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov.

ATTACHMENT 5: AERIAL MAP OF CLOSEST RESIDENCE



West Chicago Illinois

IMAGE DATE 6/30/2010
SCALE 1" = 4,000 FT.

ATTACHMENT 6: ORDINANCE NO. 06-O-0102

Electronic Filing - Received, Clerk's Office, 11/03/2011
Special Use Permit - Outside Storage
from City of West Chicago
ORDINANCE NO. 06-O-0102

**AN ORDINANCE GRANTING SPECIAL USES
TO CONSTRUCT AN OUTSIDE STORAGE YARD AND
TO LANDBANK REQUIRED OFF-STREET PARKING
300 CHARLES COURT - KRAMER TREE SPECIALISTS**

WHEREAS, on or about November 9, 2006, Joe Kramer of Kramer Tree Specialists, (the "APPLICANT"), filed an application for special use permits to construct an outside storage yard and to landbank nine (9) required off-street parking spaces, with respect to the property legally described on Exhibit "A" attached hereto and incorporated herein (the "SUBJECT REALTY"); and,

WHEREAS, Notice of Public Hearing on said application was published in the Daily Herald on or about November 20, 2006, all as required by the ordinances of the City of West Chicago and the statutes of the State of Illinois; and,

WHEREAS, a Public Hearing was conducted by the Plan Commission/Zoning Board of Appeals of the City of West Chicago, commencing on December 5, 2006, pursuant to said Notice; and,

WHEREAS, at the Public Hearing, the APPLICANT provided testimony in support of its application, and all interested parties had an opportunity to be heard; and,

WHEREAS, the corporate authorities of the City of West Chicago have received the recommendation of the Plan Commission/Zoning Board of Appeals which contains specific findings of fact, pursuant to Recommendation No. 1053, a copy of which is attached hereto as Exhibit "B" which is, by this reference, incorporated herein.

NOW, THEREFORE, BE IT ORDAINED by the City Council of the City of West Chicago, Du Page County, Illinois, in regular session assembled, as follows:

Section 1. That a special use permit in conformance with Section 5.5, Section 11.2-4 (T) of the Zoning Ordinance is hereby granted for the SUBJECT REALTY, to construct an outside storage yard for the processing and storage of mulch and landscape waste materials.

Section 2. That a special use permit in conformance with Sections 5.5 and 13.3(B) of the Zoning Ordinance is hereby granted for the SUBJECT REALTY, to landbank nine (9) required off-street parking spaces.

Section 3. That the special use permits are hereby granted subject to compliance with the following conditions:

1. The site shall be developed in conformance with the Site Plan A1.0 prepared by Triad Construction Services, consisting of one sheet, dated July 25, 2006, and having a final revision date of _____, attached hereto and incorporated herein as Exhibit "C".
2. The landscaping shall be installed in conformance with the Landscape Plans L1.0 through L1.3 prepared by Planning Resources, Inc., consisting of one sheet each, dated _____, attached hereto and incorporated herein as Exhibit "C".
3. The applicant shall install the nine (9) landbanked parking spaces in conformance with the Site Plan A1.0 prepared by Triad Construction Services, dated July 25, 2006, and having a final revision date of _____, and attached hereto and incorporated herein as Exhibit "C". The landbanked parking spaces shall be installed if the City, at any time, determines that there is inadequate parking provided on the subject property.
4. The applicant shall submit engineering plans addressing the parking lot expansion design and storm water management needs in accordance with current City standards prior to the parking lot expansion installation.
5. The applicant shall be permitted to develop the overall site in multiple phases with the restriction that no unpaved or undeveloped portion of the site be utilized for any business operations until that portion of the site is improved according the approved site development plans.
6. The applicant shall be permitted to install evergreen trees less than the minimum height of six (6') feet along the perimeter of the storage yard fence with the condition that said trees obtain the required 100% screening requirement within five (5) years of the issuance of the initial occupancy permit for the subject property. Any trees that do not comply with the screening requirement at the five (5) year deadline shall be replaced, additional landscaping shall be added, or other screening measures, as approved by the City, shall be utilized in order to obtain the required screening.
7. The storage or parking of any non-business related equipment, vehicles, or materials shall be prohibited at all times on the subject property.
8. At no time shall the height of any business related materials stored on the subject property exceed twenty-five (25) feet in height.

Section 3. That all ordinances and resolutions, or parts thereof, in conflict with the provisions of this Ordinance are, to the extent of such conflict, hereby repealed.

Section 4. That this Ordinance shall be in full force and effect from and after its passage, approval and publication in pamphlet form as provided by law.

PASSED this 18th day of December 2006.

Alderman L. Chassee	<u>Yes</u>	Alderman J. Beifuss	<u>Absent</u>
Alderman H.R. Monroe	<u>Yes</u>	Alderman G. Kauth	<u>Yes</u>
Alderman R. Radkiewicz	<u>Absent</u>	Alderman R. Pineda	<u>Yes</u>
Alderman S. Dimas	<u>Yes</u>	Alderman G. Bunch	<u>Yes</u>
Alderman M. Kwasman	<u>Yes</u>	Alderman N. Connelly	<u>Yes</u>
Alderman R. Stout	<u>Yes</u>	Alderman N. Dzierzanowski	<u>Yes</u>
Alderman M. Fuesting	<u>Yes</u>	Alderman A. Murphy	<u>Yes</u>

APPROVED as to form:

Patrick K. Bond
City Attorney

APPROVED this 18th day of December 2006.

Michael B. Kwasman
Acting Mayor, Michael B. Kwasman

ATTEST:

Nancy M. Smith
City Clerk, Nancy M. Smith

PUBLISHED: _____

EXHIBIT "A"

LEGAL DESCRIPTION FOR ORDINANCE NO. 06-O-0102

Lot 2 of North Industrial Park Second Resubdivision, being a Resubdivision of Lot 2 in North Industrial Park, in the Northeast Quarter of Section 8, Township 39 North, Range 9 East of the Third Principal Meridian, according to the plat recorded September 19, 2005, as Document R2005-206729, in DuPage County, Illinois.

P.I.N. 04-08-201-027

EXHIBIT "B"

**RECOMMENDATION #1070
ORDINANCE 06-O-0102**

TO: The Honorable Mayor and City Council

SUBJECT: PC 06-50: Special Uses for an outside storage yard and to landbank nine (9) required off-street parking spaces
300 Charles Court – Kramer Tree Specialists

DATE: December 6, 2006

DECISION: The motion to approve the requests passed (4-0) with staff's recommendation # 7 from the staff report PC 06-50 amended to read as follows: "At no time shall the height of any business related materials stored on the subject property exceed twenty-five (25) feet in height".

RECOMMENDATION

After review of the requested special uses, the Plan Commission/Zoning Board of Appeals (PC/ZBA) recommended approval according to the following findings of fact:

- (1) Are necessary for the public convenience at that location or, the case of existing nonconforming uses, a special use permit will make the use more compatible with its surroundings:*

(This standard should be interpreted as indicating whether or not the proposed use is good for the public at that particular physical location, and not whether or not the use itself is *needed* there).

The proposed special uses are designed to facilitate the relocation of a legal non-conforming industrially based use from a residential area to a more suitable industrial area of the City.

- (2) Is so designed, located and proposed to be operated that the public health, safety and welfare will be protected:*

The proposed use of the outside storage yard in conjunction with the contractor's office operations is designed to protect the public's health, safety and welfare by relocating a use currently operating in a residential area to an industrial area that is better suited for this type of business operations and landbanking of the nine (9) parking spaces is designed to improve the aesthetics of the site by limiting the amount of hard surface on-site until such time that it is deemed necessary.

(3) *Will not cause substantial injury to the value of other property in the neighborhood in which it is located:*

The proposed use should not have a negative impact on the surrounding neighborhood in which it is located given that the site is located within an existing industrial park and surrounded by similar industrial uses.

(4) *The proposed special use is designated by this code as a listed special use in the zoning district in which the property in question is located:*

The proposed outdoor storage yard and landbanking of required off-street parking spaces are indeed listed as a special uses, per the M, Manufacturing District regulations established in Section 11.2-4 (T) and the off-street parking regulations established in Section 13.3 (B) of the Zoning Code.

Respectfully submitted,

John Warbiany
Chairman

VOTE:

For	Against	Abstain	Absent
J. Warbiany			V. Barber
J. Banas			S. Jarolin
B. Lemon			
J. Hale			

EXHIBIT "C"

ORDINANCE 06-O-0102

Insert Site Plan A1.0 and Landscape Plans L1.0, L1.1, L1.2, L1.3 here

**ATTACHMENT 7 - ILLINOIS DEPARTMENT OF NATURAL RESOURCES
DETERMINATION LETTER**

EcoCAT REPORT



Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
<http://dnr.state.il.us>

Pat Quinn, Governor
Marc Miller, Director

May 05, 2011

John Lardner
JPL Environmental Engineering
1122 North Clark Street
#3803
Chicago, IL 60610 7899

Re: Kraner Tree Specialists LMPF
Project Number(s): 1112268 [2011-003]
County: DuPage

Dear Applicant:

This letter is in reference to the project you recently submitted for consultation. The natural resource review provided by EcoCAT identified protected resources that may be in the vicinity of the proposed action. The Department has evaluated this information and concluded that adverse effects are unlikely. Therefore, consultation under 17 Ill. Adm. Code Part 1075 is terminated.

This consultation is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary.

The natural resource review reflects the information existing in the Illinois Natural Heritage Database at the time of the project submittal, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, you must comply with the applicable statutes and regulations. Also, note that termination does not imply IDNR's authorization or endorsement of the proposed action.

Please contact me if you have questions regarding this review.

Tracy Evans
Division of Ecosystems and Environment
217-785-5500



Applicant: JPL Environmental Engineering
Contact: John Lardner
Address: 1122 North Clark Street
#3803
Chicago, IL 60610

IDNR Project #: 1112268
Alternate #: 2011-003
Date: 05/04/2011

Project: Kraner Tree Specialists LMPF
Address: 300 Charles Court, West Chicago

Description: Leaf mulch production at existing landscape equipment yard

Natural Resource Review Results

Consultation for Endangered Species Protection and Natural Areas Preservation (Part 1075)

The Illinois Natural Heritage Database shows the following protected resources may be in the vicinity of the project location:

- West Chicago Prairie INAI Site
- Truitt-Hoff Nature Preserve
- Blanding'S Turtle (*Emydoidea blandingii*)
- Tube Beard Tongue (*Penstemon tubaefflorus*)

An IDNR staff member will evaluate this information and contact you within 30 days to request additional information or to terminate consultation if adverse effects are unlikely.

Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: DuPage
Township, Range, Section:
39N, 9E, 9



IL Department of Natural Resources Contact
Tracy Evans
217-785-5500
Division of Ecosystems & Environment

Local or State Government Jurisdiction
IL Environmental Protection Agency
Permit Section
Illinois EPA
1021 North Grand Avenue
Springfield, Illinois 62794-9276

IDNR Project Number: 1112268

Disclaimer

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Applicant: JPL Environmental Engineering
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Chicago, IL 60610

IDNR Project #: 1112268
Alternate #: 2011-003
Date: 05/04/2011

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