

**BEFORE THE ILLINOIS POLLUTION CONTROL BOARD**

**Janssen Farm--Lanark** )  
**(Property Identification Number** ) **PCB 19-**  
**1-05-34-400-02)** ) **(Tax Certification)**  
)

**NOTICE**

**PLEASE TAKE NOTICE** that I have today filed with the Office of the Clerk of the Pollution Control Board an **APPEARANCE** and **RECOMMENDATION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY**, copies of which are herewith served upon you.

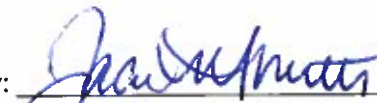
Janssen Farm  
12228 Otter Creek Road  
Lanark, Illinois 61046

Don Brown, Clerk  
Illinois Pollution Control Board  
James R. Thompson Center  
100 West Randolph Street, Suite 11-500  
Chicago, Illinois 60601

**Copies also provided electronically as follows:**

Illinois Department of Revenue  
via email at REV.PropTaxApp@illinois.gov  
101 West Jefferson  
Springfield, Illinois 62794

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

By:   
Jacob H. Smith  
Assistant Counsel  
Division of Legal Counsel

DATED: July 18, 2019

Illinois Environmental Protection Agency  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276  
(217) 782-5544

**THIS FILING IS SUBMITTED ON RECYCLED PAPER**

**BEFORE THE ILLINOIS POLLUTION CONTROL BOARD**

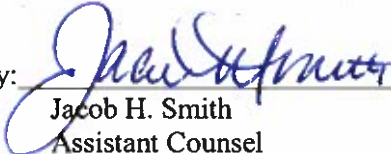
**Janssen Farm--Lanark** )  
**(Property Identification Number** ) **PCB 19-**  
**1-05-34-400-02)** ) **(Tax Certification)**  
 )

**APPEARANCE**

The undersigned, as one of its attorneys, hereby enters an APPEARANCE on behalf of Respondent,  
Illinois Environmental Protection Agency.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

By: \_\_\_\_\_

  
Jacob H. Smith  
Assistant Counsel  
Division of Legal Counsel

DATED: July 18, 2019

Illinois Environmental Protection Agency  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276  
(217)782-5544

**THIS FILING IS SUBMITTED ON RECYCLED PAPER**

**BEFORE THE ILLINOIS POLLUTION CONTROL BOARD**

**Janssen Farm--Lanark** )  
**(Property Identification Number** ) **PCB 19-**  
**1-05-34-400-02)** ) **(Tax Certification)**  
 )  
 )

**RECOMMENDATION OF THE ILLINOIS**  
**ENVIRONMENTAL PROTECTION AGENCY**

The Illinois Environmental Protection Agency ("Illinois EPA") hereby files its Recommendation pursuant to Section 125.204 of the regulations of the Illinois Pollution Control Board ("Board"), 35 Ill. Adm. Code 125.204.

1. On June 3, 2019, the Illinois EPA received a request from Matthew Wagner on behalf of Janssen Farm (log number TC-141341, Exhibit A) for an Illinois EPA recommendation regarding the tax certification of water pollution control facilities pursuant to 35 Ill. Adm. Code 125.204.
2. The facility's address is: Janssen Farm  
12228 Otter Creek Road  
Lanark, IL 61046

The proposed water pollution control facility in this request is located in the SE ¼ of Section 34, T25N, R6E of the 4th P.M. in Stephenson County, at the above street address and consist of the following facilities:

Livestock waste handling facilities consisting of one (1) concrete manure pit (approximately 197 ft. x 102 ft. x 10 ft.), the concrete slatted portion of the floor over the manure pit that capture and contain waste generated in the barn above, and eight (8) pumpout pits (approximately 6 ft. x 5 ft. x 10 ft. each) to allow manure removal from the manure pit, and Form-A-Drain perimeter drainage tiles (approximately 598 ft. x 8 in. x 2 in.) located around the footing of manure pit to prevent flotation of the pit.

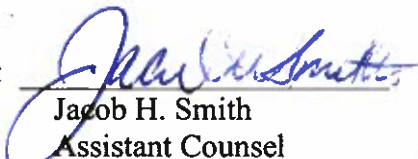
These livestock waste management facilities are used to collect, transport, and/or store livestock waste prior to cropland application, and is further described in Exhibit A.

3. Section 11-10 of the Property Tax Code, 35 ILCS 200/11-10 (2018), and Section 125.200(a) of the Board's regulations, 35 Ill. Adm. Code 125.200(a), define "pollution control facilities" as:

any system, method, construction, device or appliance appurtenant thereto or any portion of any building or equipment, that is designed, constructed, installed or operated for the primary purpose of: eliminating, preventing, or reducing air or water pollution ...or treating, pretreating, modifying or disposing of any potential solid, liquid or gaseous pollutant which if released without treatment, pretreatment modification or disposal might be harmful, detrimental or offensive to human, plant or animal life, or to property.
4. In order to receive preferential tax treatment as pursuant to 35 ILCS 200/11-5 (2018), pollution control facilities must be certified as such by the Board, 35 ILCS 200/11-20 (2014) and 35 Ill. Adm. Code 125.200(a).
5. Upon receipt of a tax certification application, the Illinois EPA must file a recommendation on the application with the Board, 35 Ill Adm. Code 125.204(a).
6. Based on the information in the application and the purpose of the facility, it is the Illinois EPA's engineering judgment that the described facilities may be considered "pollution control facilities," pursuant to 35 Ill. Adm. Code 125.200(a), with the primary purpose of eliminating, preventing, or reducing water pollution, or as otherwise provided in 35 Ill. Adm. Code 125.200, and is eligible for tax certification from the Board.

WHEREFORE, the Illinois EPA recommends that the Board issue the requested tax certification.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

By:   
Jacob H. Smith  
Assistant Counsel  
Division of Legal Counsel

Dated: July 18, 2019

Illinois Environmental Protection Agency  
1021 North Grand Ave. E.  
P.O. Box 19276  
Springfield, Illinois 62794-9276  
217/782-5544



## ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

JB PRITZKER, GOVERNOR

JOHN J. KIM, DIRECTOR

# Memorandum

To: Charles Gunnarson, Division of Legal Counsel

From: Darin E. LeCrone, Manager, Industrial Unit, Permit Section *DEL*

Date: July 15, 2019

Re: Janssen Farm – Lanark  
Recommendation of Tax Certification  
Log # TC-141341  
Property Index# 1-05-34-400-02

The Bureau of Water received a request on June 3, 2019 from Matthew Wagner for an Illinois EPA recommendation regarding the tax certification of water pollution control facilities pursuant to 35 Ill. Adm. Code 125.204. We offer the following recommendation.

The water pollution control facilities in this request include the following:

Janssen Farm  
12228 Otter Creek Rd.  
Lanark, IL

SE ¼ of Section 34, T25N, R6E of the 4<sup>th</sup> PM in Stephenson County

The livestock waste handling facilities consisting of one (1) concrete manure pit (approximately 197 ft. x 102 ft. x 10 ft.), the concrete slatted portion of the floor over the manure pit that capture and contain waste generated in the barn above, eight (8) pumpout pits (approximately 6 ft. x 5 ft. x 10 ft. each) to allow manure removal from the manure pit, and Form-A-Drain perimeter drainage tiles (approximately 598 ft. x 8 in. x 2 in.) located around the footing of manure pit to prevent flotation of the pit. The facility collects, transports and stores livestock waste prior to cropland application.

The facility is further described in the enclosed applications and supporting documents.

Based on the information included in this submittal, it is our engineering judgment that the above proposed facilities may be considered "Pollution Control Facilities" under 35 IAC 125.200(a), with the primary purpose of eliminating, preventing, or reducing water pollution, or as otherwise provided in this section, and therefore eligible for tax certification from the Illinois Pollution Control Board. The Bureau of Water therefore recommends that the Board issue the requested tax certification for these facilities.

If you have any questions regarding the above, please contact Wei Han at 217/782-0610.

DEL:WH:Tax Cert Recommendation.docx

cc: Tax Cert File

## Watershed Unit Tax Certification Review Sheet

Project Name: Janssen Farm

Reviewer: WH

Log number: TC-141341

Applicant: Dave Janssen  
12228 Otter Creek Rd.  
Lanark, IL 61046

Facility: Janssen Farm  
12228 Otter Creek Rd.  
Lanark, IL

Legal Description:  
SE of Section: 34 Twp: 25N R: 6E PM: 4<sup>th</sup>

Date Control Devices installed: October 2018

Wastes:  Livestock waste is applied to cropland.  
 Agrichemical rinsate and spillage is recycled through the facility and/or land applied.  
 Other: \_\_\_\_\_

Date: June 18, 2019

Type:  Agchem  
 Livestock

Contact: Same as applicant

Phone: 815-266-9702

Property Index#: 1-05-34-400-02

Parcel#:

County: Stephenson

Signature: Mathew Wagner

Title: Engineer

### Physical Description of Pollution Control Devices:

The livestock waste handling facilities consist of one (1) concrete manure pit (approximately 197 ft. x 102 ft. x 10 ft.) and the concrete slatted portion of the floor over the manure pit that capture and contain waste generated in the barn above. The concrete manure pit has eight (8) pumpout pits (approximately 6 ft. x 5 ft. x 10 ft. each) to allow manure removal from the manure pit. Form-A-Drain perimeter tiles (approximately 598 ft. x 8 in. x 2 in.) are located around the footing of the manure pits to prevent flotation of the pits. The facility collects, transports and stores livestock waste prior to cropland application.

Pollution control facilities requested by the applicant through Description of Pollution Control Facilities, Section 2 of the application form and the attached drawings.

One (1) concrete manure pits;

Concrete slatted floor;

Pumpout pits attached to the manure pit;

Form-A-Drain perforated perimeter tile, length calculated by the perimeter of the pit.

A process flow diagram also submitted by the applicant.

Recommended Action: Issue tax certification.



Wagner Consulting & Agriculture, LLC.  
709 West Oak Street  
Lena, Illinois 61048  
[wagnerconsultag@mediacombb.net](mailto:wagnerconsultag@mediacombb.net)  
815-275-7642

May 24, 2019

Illinois EPA  
Division of Water Pollution Control  
1021 North Grand Avenue East  
P.O. Box 19276  
Springfield, Illinois 62794-9276

RECEIVED  
JUN 03 2019

IEPA  
BOW/WPC/PERMIT SECTION

Attn: Al Keller, Permit Section  
Permit Section

Re: Tax Certification for Livestock Waste Management Facilities

To Al Keller:

On behalf of Janssen farm, we are submitting the tax certification for the recently constructed livestock waste management facility. The facility consists of concrete waste storage structure with outside pit wall dimensions of 197'4" x 101'10" x 8'. We are also including a copy of the as-built construction drawings for the project and plat book.

If you should have any questions or require additional information, please feel free to call me at 815-275-7642.

Sincerely,

WAGNER CONSULTING & AGRICULTURE, LLC.

BY Matthew Wagner  
Matthew Wagner, P.E.

MW:ah

Encl.

cc: Janssen Farm w/ encl.  
File





# Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

## Application for Certification (Property Tax Treatment) Pollution Control Facility

### FOR AGENCY USE ONLY

File Number: _____	Date Rec'd: _____
Certification Number: _____	Date: _____

Facility Type (check one):  Air  Water

This form is to be used for any application for certification of property tax treatment for a pollution control facility for air or water from the Illinois EPA. Separate applications must be completed for each control facility claimed. Do not mix types (air and water). Where both air and water operations are related, file two applications.

If attachments are needed, record them consecutively on an index sheet.

You may complete this form online, save a copy locally, print, sign and submit it to:

Illinois EPA  
Attention: Al Keller, Permit Section  
Division of Water Pollution Control  
1021 North Grand Avenue East, P.O. Box 19276  
Springfield, IL 62794-9276

**RECEIVED**  
JUN 03 2019

### I. Applicant Information:

Company Name: <u>Janssen Farm</u>	Person to Contact for Additional Details: <u>Same</u>
Person Authorized to Receive Certification: <u>Dave Janssen</u>	Street Address: _____
Street Address: <u>12228 Otter Creek Road</u>	City: _____ State: _____
City: <u>Lanark</u> State: <u>IL</u>	City: _____ State: _____
Zip: <u>61046</u> Phone: <u>815-266-9702</u>	Zip: _____ Phone: _____
Email Address: <u>janssenfarms@hotmail.com</u>	Email Address: _____

### II. Facility Information:

Facility Location: Quarter Section: SE 34 Township: 25-North Range: 6-East  
Municipality: Lanark Township: Cherry Grove

Note: A plat map location is requested for facilities located outside of municipal boundaries.

Address: 12228 Otter Creek Road City: Lanark  
State: IL Zip Code: 61078 County: Stephenson Book Number: \_\_\_\_\_  
Property Index Number: 1-05-34-400-02

Note: The Property Index Number is the numerical reference used to identify a parcel of real property for assessment and taxation purposes.

### Manufacturing Operations Information:

Nature of Operations Conducted at the Above Location:

Raising of hogs with slatted floor confinement manure storage pit underneath.

### Permit Information:

WPC Construction Permit Number: <u>N/A</u>	Date Issued: _____
NPDES Permit Number: <u>N/A</u>	Date Issued: _____ Exp. Date: _____
APC Construction Permit Number: <u>N/A</u>	Date Issued: _____
APC Operating Permit Number: <u>N/A</u>	Date Issued: _____ Exp. Date: _____

Note: Submit copies of all relevant permits issued by local pollution control agencies. (e.g. MSD Construction Permit)

*This Agency is authorized to request this information under 415 ILCS 5/4(b)(2012). Disclosure of this information is voluntary and no penalties will result from the failure to provide the information. However, the absence of the information could prevent your application from being processed or could result in denial of your application.*

**Manufacturing Process Information:**

Please provide information on the manufacturing process and materials on which pollution control facility is used, including each major piece of equipment associated with the pollution control facility (or low sulfur dioxide emission coal fueled device).  
Description of the Process:

N/A

**Materials Used in the Process:**

N/A

**Pollution Control Facility Information:**

Please provide a narrative description of the pollution control facility (or low sulfur dioxide emission coal fueled device), and an explanation of why its primary purpose is to eliminate, prevent or reduce pollution. State the type of control facility, as well as a narrative description and a process flow diagram describing the pollution control facility. Include an average analysis of the influent and effluent of the control facility stating the collection efficiency, if applicable.

Describe the Pollution Control Facility (or Low Sulfur Dioxide Emission Coal Fueled Device):

Slatted floor confinement building - 197'4" x 101'10" x 10'

Describe the Primary Purpose of the Pollution Control Facility (or Low Sulfur Dioxide Emission Coal Fueled Device):

The facility provides for waste storage for the manure laden wastewater until the waste is land applied at the appropriate agronomic rates.

Identify the statute or regulation (federal or state), or local ordinance, if any, requiring the installation of the subject pollution control facility (or low sulfur dioxide emission coal fueled device).

The Livestock Management Facilities Act and the Natural Resource Conservation Service Agency Waste Storage Facility Practice Code (313) were met in regards to the pollution control devices that were installed.

**Nature of Contaminants or Pollutants:**

List air contaminants or water pollution substances released as effluents to the manufacturing processes. Also list the final disposal of any contaminants removed from the manufacturing processes.

Contaminant or Pollutant	Material Retained, Captured or Recovered	
	Description	Disposal or Use
Swine manure	Liquid	Slatted floor confinement pit
Washdown water	Liquid	Slatted floor confinement pit

Note: Contaminant or pollutant means that which is removed from the process by the pollution control facility.

**Point(s) of Waste Water Discharge:**

Identify the location of the discharge to the receiving stream. This will typically refer to a source of water pollution but can include water-carried wastes from air pollution control facilities.

Plans and Specifications Attached  Yes  No

Submit Drawings, which clearly show:

- (a) Point(s) of discharge to receiving stream; and
- (b) Sewers and process piping to and from the control facility.

Are contaminants (or residues) collected by the control facility?  Yes  No

Note: If the collected contaminants are disposed of other than as wastes, state the disposition of the materials, and the value dollars reclaimed by the sale or reuse of the collected substances. State the cost of reclamation and related expense.

**Project Status:**

Date Installation Completed: October 29, 2018

Provide the date the pollution control facility was first placed into service and operated. If not, explain.

February 7, 2019
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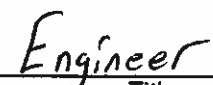
Status of installation on date of application:

Complete
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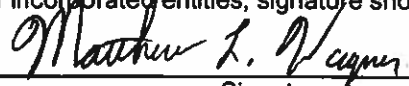
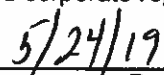
**III. Verification and Signature:**

The following information is submitted in accordance with the Illinois Property Tax Code, as amended, and to the best of my knowledge is true and correct.

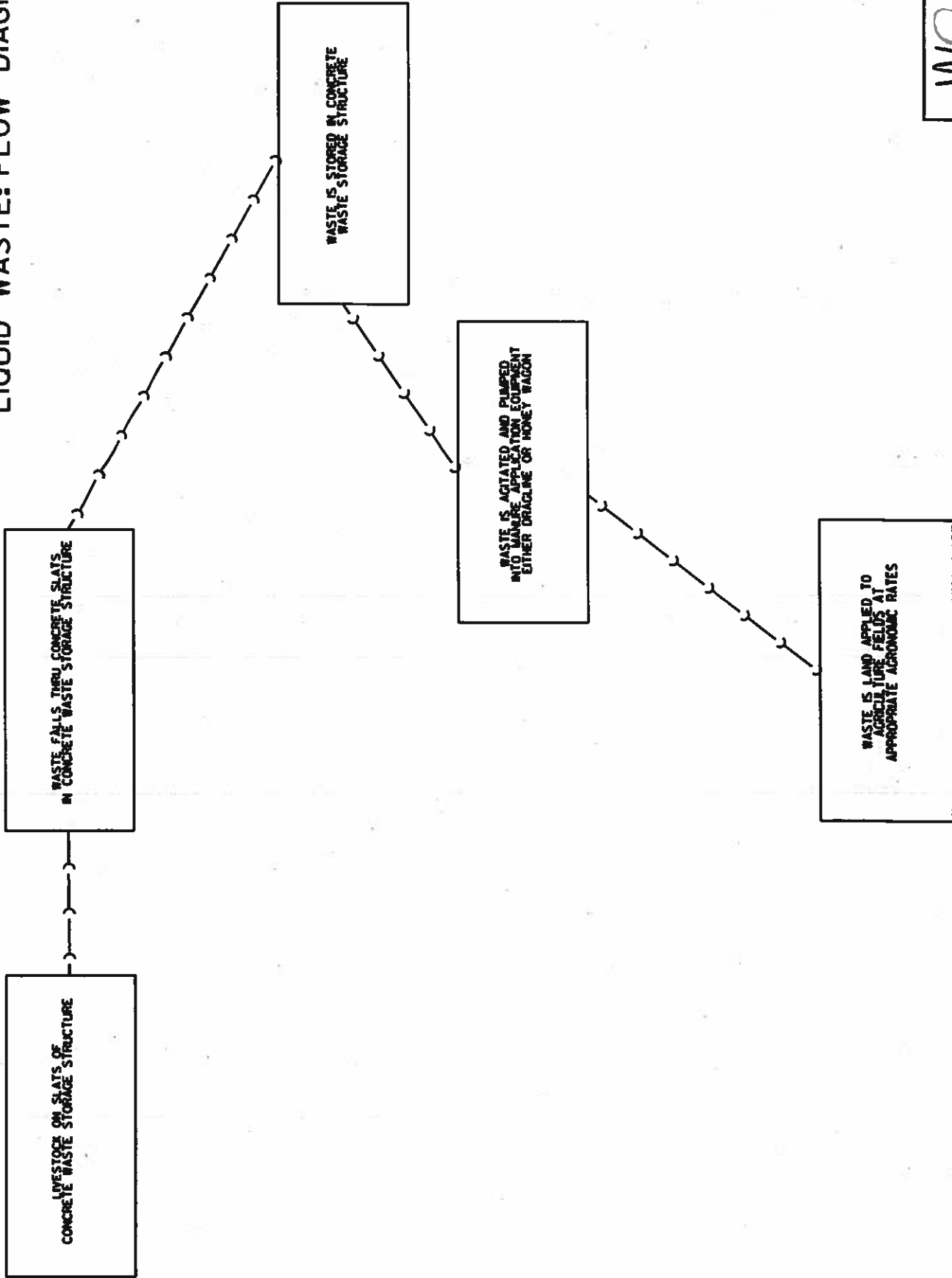
**Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))**

 <hr style="border: 0; border-top: 1px solid black;"/> Printed Name:	 <hr style="border: 0; border-top: 1px solid black;"/> Title:
--	--

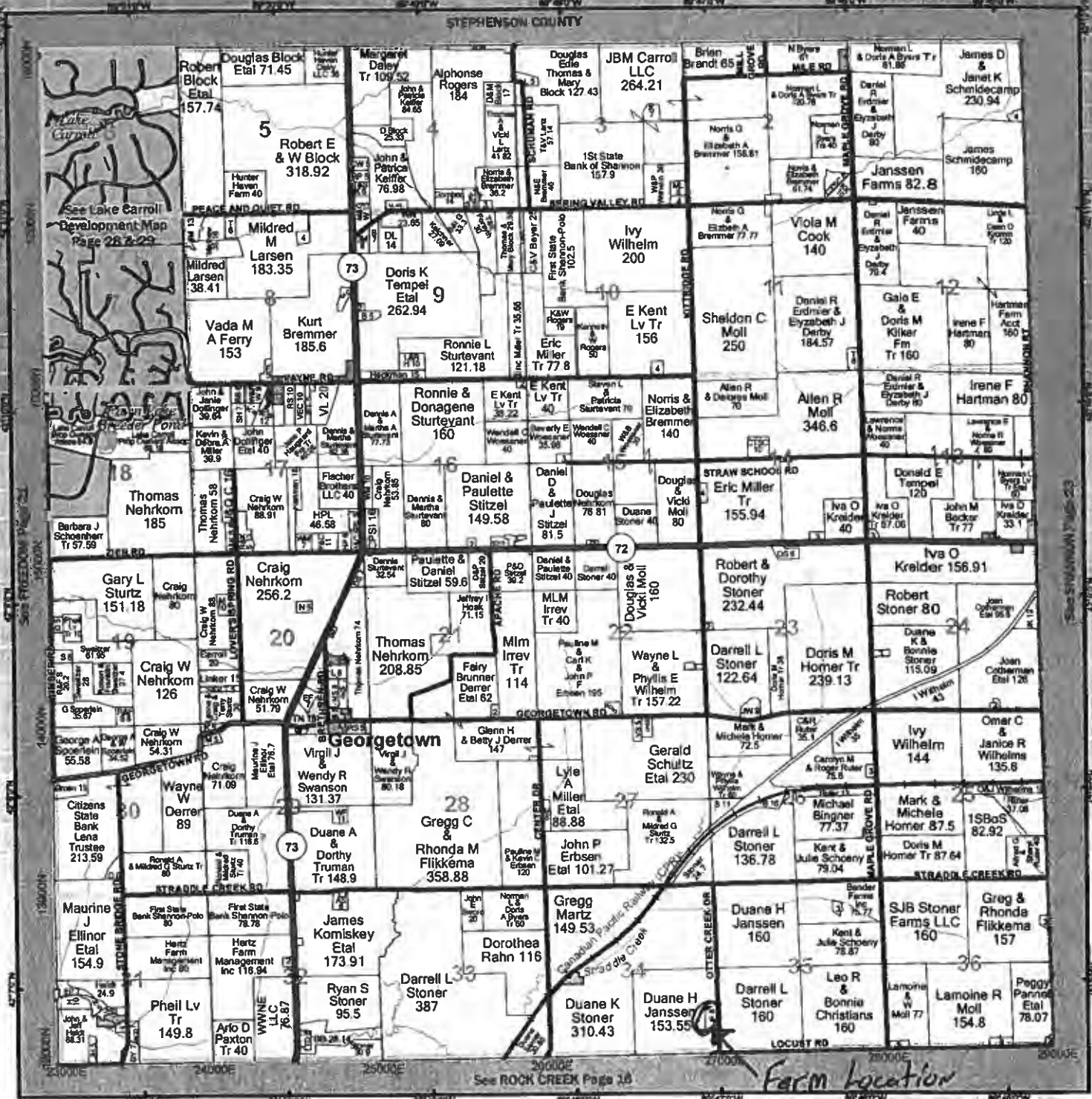
For incorporated entities, signature should be from an authorized corporate representative.

 <hr style="border: 0; border-top: 1px solid black;"/> Signature:	 <hr style="border: 0; border-top: 1px solid black;"/> Date:
---	---

**LIQUID WASTE: FLOW DIAGRAM**



**WCA**  
WASTE CONSULTING & ASSOCIATES  
101 WEST 10th STREET  
LEWA, ILLINOIS, 60458  
815-779-7142  
WWW.WCA-CONSULTING.COM/ENR/ENR1



### All Types of Excavating Work

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- Earth Moving
- Trencher
- Dozer
- Backhoe
- Scraper
- Grader
- Waterways
- Government Conservation Projects

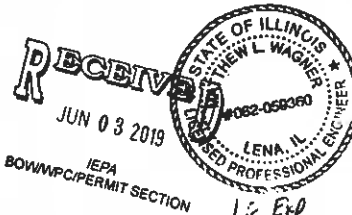


Karl 815-238-3510 • John Tautz 815-244-9435 • Erich 815-238-4242

BLACK DIRT FOR SALE

20892 IL Rt. 40 • Mt. Carroll, IL 61053  
[www.tautztrenching.com](http://www.tautztrenching.com)

PROPOSED HOG CONFINEMENT BUILDING  
 JANSSEN FARM  
 LANARK, ILLINOIS  
 SE 1/4 SECTION 34, T25N, R6E, 4TH P.M.



SHEET INDEX

DESCRIPTION	SHEET NO.
COVER SHEET AND LOCATION MAP	1
CIVIL SITE PLAN	2
PRECISION STRUCTURES, INC. - CONCRETE LAYOUT	3
PRECISION STRUCTURES, INC. - CONCRETE DETAILS	4
CONTROL AND CONSTRUCTION JOINT LOCATIONS	5
ADDITIONAL CONCRETE SPECIFICATIONS	6
SEEDING SPECIFICATIONS	7

LEGEND

	EDGE OF BUILDING
	PROPOSED GRAVEL ROADWAY
	PERMETER DRAIN TILE
	ROADWAY CENTERLINE

SUMMARY OF QUANTITIES

ITEM	UNIT	QUANTITY
PRACTICE CODE 313 (CONCRETE TANK OPEN TOP 3+ 10,000 CU FT STORAGE)	C.F.	172,676
ENVELOPED CORRUGATED PLASTIC PIPE (CPP), SINGLE WALL, 6 IN	L.F.	625
6x 5 INCH CPP	L.F.	65

Proposed Location



PROJECT LOCATION MAP

GENERAL NOTES

FOR DETAILED CONCRETE DRAWINGS, CONTRACTOR SHALL REFERENCE DRAWINGS DESIGNED BY PRECISION STRUCTURES, INC.

ALL WORK PERFORMED BY THE CONTRACTOR SHALL BE GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE OF THE OWNER. THIS GUARANTEE SHALL INCLUDE ALL DEFECTS IN MATERIALS AND WORKMANSHIP.

THE CONTRACTOR, BY AGREEING TO PERFORM THE WORK, AGREES TO INDEMNIFY AND HOLD HARMLESS THE OWNER, ENGINEER, ALL AGENTS AND ASSIGNS OF THOSE PARTIES, FROM ALL SUITS AND CLAIMS ARISING OUT OF THE PERFORMANCE OF SAID WORK, AND FURTHER AGREES TO DEFEND OR OTHERWISE PAY ALL LEGAL FEES ARISING OUT OF THE DEFENSE OF SAID PARTIES.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LINES AND GRADES SHOWN ON THE "APPROVED" ENGINEERING PLANS. THE FULL RESPONSIBILITY FOR KEEPING ALIGNMENTS AND GRADES SHALL REST UPON THE CONTRACTOR.

ALL FIELD TILES ENCOUNTERED DURING CONSTRUCTION SHALL BE RECORDED SHOWING SIZE, LOCATION, AND DEPTH BY CONTRACTOR AND SHALL BE RECONNECTED OR RELOCATED. THE OWNER SHALL BE NOTIFIED IMMEDIATELY.

IF MORE THAN 1 ACRE OF LAND AREA IS TO BE DISTURBED AS PART OF THE CONSTRUCTION OF THE HOG BUILDINGS, CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING A NOTICE OF INTENT TO CONSTRUCT FOR GENERAL PERMIT TO DISCHARGE STORM WATER ASSOCIATED WITH CONSTRUCTION SITE ACTIVITIES THRU THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY. ALSO AS PART OF THIS REQUIREMENT, THE CONTRACTOR SHALL DEVELOP AND MAINTAIN A STORM WATER POLLUTION PREVENTION PLAN.

ALL DRAINAGE STRUCTURES, INLETS, PIPES, AND ADJACENT ROADWAYS SHALL BE KEPT FREE AND CLEAN OF DIRT AND DEBRIS AT ALL TIMES. THE CONTRACTOR SHALL NOT SPILL AND LEAVE DIRT ON ADJACENT PAVEMENTS. IF DIRT IS DEPOSITED ON ADJACENT PAVEMENTS, REMOVE THE DIRT AND CLEAN THE PAVEMENTS AT THE END OF EACH CONSTRUCTION DAY.

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE AT THE END OF EACH WORKING DAY. EXCESS EXCAVATED MATERIAL SHALL BE RESPADE THRU THE SITE AND BE REGRADED AND RESLEDED.

THE SUBGRADE OF THE PAVEMENT AND BUILDING AREA SHALL BE FREE OF UNSUITABLE MATERIAL AND BE COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MODIFIED PROCTOR. SOIL BEARING CAPACITY FOR THE HOG BUILDING DENSITY IS REQUIRED TO MEET A MINIMUM OF 1,500 PSF. ANY ADDITIONAL EXCAVATION TO REMOVE UNSUITABLE MATERIALS FROM THESE AREAS AND GRANULAR MATERIAL REQUIRED TO BRING TO THE APPROPRIATE GRADES SHALL BE INCIDENTAL TO THE PROJECT.

PROPERTY CORNERS THAT ARE ENCOUNTERED SHALL BE PROTECTED UNTIL THEY HAVE BEEN REFERENCED BY A PROFESSIONAL LAND SURVEYOR.

THE CONTRACTOR SHALL VERIFY THE ELEVATIONS OF ALL BENCHMARKS PRIOR TO CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

ELEVATIONS SHOWN ON THE PLANS REFERENCE U.S.G.S. DATUM.

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ANY EXISTING UTILITIES PRIOR TO EXCAVATION AND SHALL HAND DIG AS NECESSARY. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND OBTAINING LOCATION OF EXISTING UTILITIES.

TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, JUDGEMENT, AND BELIEF THE WASTE STORAGE STRUCTURE (313) AND SUBSURFACE DRAIN (606), HAVE BEEN INSTALLED IN ACCORDANCE WITH THE ILLINOIS TECHNICAL GUIDE STANDARDS AND SPECIFICATIONS FOR WASTE STORAGE STRUCTURE (313), AND SUBSURFACE DRAIN (606).

*Matthew Wagner* 12-18-18

REVISIONS			
NO.	DATE	BY	REMARKS

DRAWN  
M.L.W.  
CHECKED  
A.A.W.  
APPROVED  
M.L.W.

*Wk* *A*

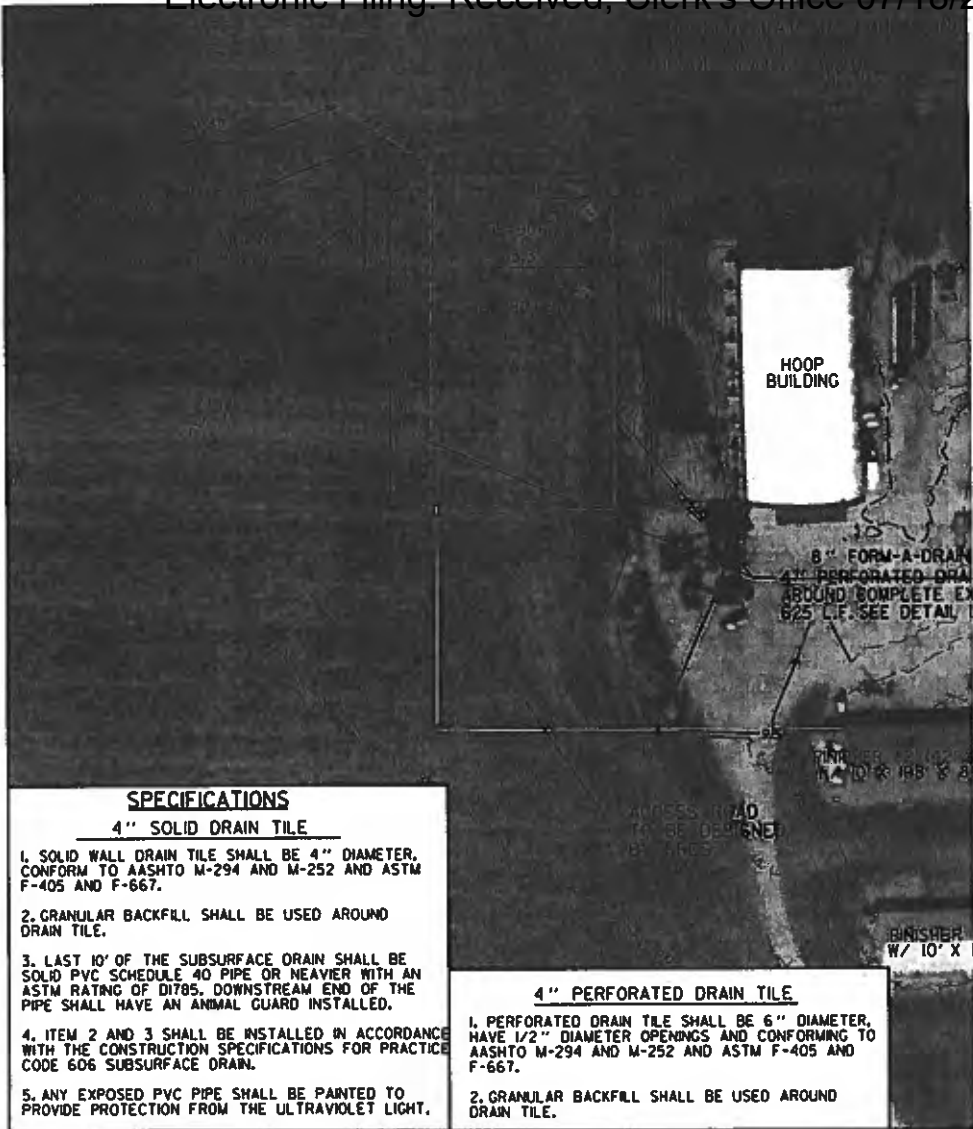
WAGNER CONSULTING & AGRICULTURE  
 709 WEST OAK STREET  
 LENA, ILLINOIS, 61048  
 815-275-7642  
 WAGNERCONSULTAG@MEDIACOMBB.NET

CONTACT JULIE AT 811 OR 800-892-0123  
 With the following:  
 County \_\_\_\_\_  
 City/Township \_\_\_\_\_  
 Sec & 1/4 Sec No \_\_\_\_\_  
 16 HOURS (2 working days) BEFORE YOU DIG

JANSSEN FARM  
 12228 OTTER CREEK ROAD  
 LANARK, ILLINOIS 61046

COVER SHEET AND LOCATION MAP

PROJECT NO.  
21W18  
DATE  
12/18/18  
SHEET NO.  
1  
OF 17 SHEETS



**SPECIFICATIONS**

**4" SOLID DRAIN TILE**

1. SOLID WALL DRAIN TILE SHALL BE 4" DIAMETER, CONFORM TO AASHTO M-294 AND M-252 AND ASTM F-405 AND F-667.

2. GRANULAR BACKFILL SHALL BE USED AROUND DRAIN TILE.

3. LAST 10' OF THE SUBSURFACE DRAIN SHALL BE SOLID PVC SCHEDULE 40 PIPE OR HEAVIER WITH AN ASTM RATING OF D1785. DOWNSTREAM END OF THE PIPE SHALL HAVE AN ANIMAL GUARD INSTALLED.

4. ITEM 2 AND 3 SHALL BE INSTALLED IN ACCORDANCE WITH THE CONSTRUCTION SPECIFICATIONS FOR PRACTICE CODE 606 SUBSURFACE DRAIN.

5. ANY EXPOSED PVC PIPE SHALL BE PAINTED TO PROVIDE PROTECTION FROM THE ULTRAVIOLET LIGHT.

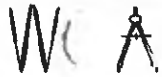
**4" PERFORATED DRAIN TILE**

1. PERFORATED DRAIN TILE SHALL BE 6" DIAMETER, HAVE 1/2" DIAMETER OPENINGS AND CONFORMING TO AASHTO M-294 AND M-252 AND ASTM F-405 AND F-667.

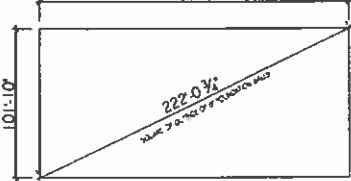
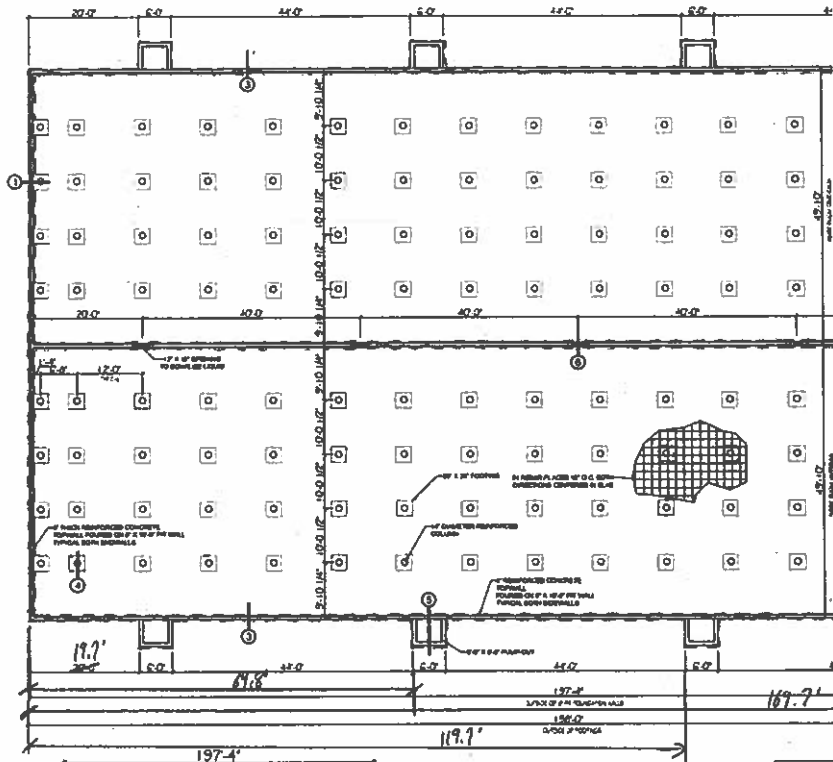
2. GRANULAR BACKFILL SHALL BE USED AROUND DRAIN TILE.

NO.	DATE	BY	REMARKS

M.L.W.  
 CHECKED  
 A.A.W.  
 APPROVED  
 M.L.W.



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**NOTE**  
 ALL REINFORCING CONCRETE SHALL BE PLACED IN PLACE AND SHALL BE FULLY COMPACTED AND CURING SHALL BE MAINTAINED THROUGHOUT THE ENTIRE DURATION OF THE CONSTRUCTION PERIOD.  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTION.  
 TO THE BEST OF HIS KNOWLEDGE, BELIEF AND FAITH, THE TOTAL CONSTRUCTION COSTS AND EXPENSES ARE \$1.1 MILLION.

*[Signature]*  
 MICHAEL R. LESLIE, P.E., S.E.

**NOTES**  
 1. THIS PLAN IS TO BE USED IN CONJUNCTION WITH THE SPECIFICATIONS AND CONTRACT DOCUMENTS.  
 2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.  
 3. SEE GENERAL NOTES FOR FURTHER INFORMATION.  
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REFERENCE JOB #	REFERENCE JOB TITLE	REV	DESCRIPTION	BY
15102-C3	CONCRETE DETAILS			







**CONCRETE SPECIFICATIONS**

THE FOLLOWING TECHNICAL SPECIFICATIONS SHALL BE FOLLOWED DURING THE CONSTRUCTION PROCESS. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY, COMPLETENESS, AND COMPLIANCE STATUS OF THE FINAL INSTALLATION. STANDARDS OF THE FOLLOWING ASSOCIATIONS OR ORGANIZATIONS SHALL BE FOLLOWED AND APPLY AS MINIMUM REQUIREMENTS

- ACI AMERICAN CONCRETE INSTITUTE
- ASTM AMERICAN SOCIETY OF TESTING METHODS
- CRSI CONCRETE REINFORCING STEEL INSTITUTE
- NEH NATIONAL ENGINEERING HANDBOOK (210-VI-NEH, JANUARY 2009)

IN THE CASE OF A CONFLICT BETWEEN THESE SPECIFICATIONS AND ANY OF THE ABOVE MENTIONED SPECIFICATIONS ABOVE, THESE SPECIAL PROVISIONS SHALL PREVAIL.

**1.0 GENERAL REQUIREMENT**

- A. DESIGN AND CONSTRUCTION SHALL CONFORM TO THE ACI 318-14.
- B. CONCRETE CONTRACTOR IS ACCOUNTABLE FOR ASSURING THAT ALL NECESSARY INSTALLATIONS ARE COMPLETE PRIOR TO EACH POUR (i.e. GROUNDING, PLUMBING, FASTENERS, AND STEEL).
- C. SUBSOIL OR COMPACTED SUBBASE SHALL BE CAPABLE OF SUPPORTING A DESIGN LOADING OF 1,000 PSF. THIS SHALL BE VERIFIED WITH POCKET PENETROMETER, NUCLEAR DENSITY GAUGE OR PROOF ROLLING.
- D. ALL GRANULAR SUBBASE SHALL BE COMPACTED TO A MINIMUM OF 90% OF THE MODIFIED PROCTOR OR 95% OF THE STANDARD PROCTOR. THIS SHALL BE VERIFIED WITH POCKET PENETROMETER, OR NUCLEAR DENSITY GAUGE OR PROOF ROLLING.
- E. CORRECT OVER EXCAVATED AREAS WITH GRANULAR SUBBASE MATERIAL.
- F. FILL SHALL NOT BE PLACED ON FROZEN GROUND AND FROZEN MATERIAL CAN NOT BE USED AS BACKFILL.
- G. STEEL REINFORCEMENT SHALL BE STORED ON THE JOB SITE IN SUCH A WAY AS TO ELIMINATE CONTAMINATION BY THE SOIL OR GRAVEL. (I.E. STEEL SHALL BE STORED ON CRIBBING OR TIMBERS WITH ADEQUATE SPACING TO PREVENT SAGGING TO THE SOIL.)
- H. ANY TILES ENCOUNTERED DURING THE EXCAVATION SHALL BE RELOCATED TO GREATER THAN 30 FEET AWAY FROM THE PROPOSED WASTE STORAGE STRUCTURE.
- I. CONCRETE SHALL NOT BE PLACED IN WET, UNCOMPACTED FILL OR FROZEN SUBGRADE OR IN STANDING WATER. PLASTIC SHEETING USED TO ISOLATE THE CONCRETE FROM UNSUITABLE SOIL TYPES WILL NOT BE PERMITTED.
- J. FORMS SHALL BE COATED WITH A RELEASE AGENT. FORMS WITH TORN SURFACES, WORN EDGES, DENTS OR OTHER DEFECTS SHALL NOT BE USED. RELEASE AGENT SHALL BE PLACED ON FORMS PRIOR TO SETTING THEM.
- K. REINFORCEMENT SHALL BE ACCURATELY PLACED AND "SECURED" IN THE WALL AT THE POSITIONS AS SHOWN ON THE CONSTRUCTION DRAWINGS. METAL CHAIRS, METAL HANGERS, METAL SPACERS, OR PLASTIC CHAIRS SHALL BE USED TO SUPPORT THE REINFORCEMENT.
- L. STEEL TYING AND CONSTRUCTION ADJACENT TO A RECENT POUR SHALL NOT BEGIN UNTIL THE RECENT POUR HAS CURED FOR AT LEAST 12 HOURS.

**1.1 CONCRETE MIXES**

- A. ALL CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
- B. ALL CONCRETE SHALL BE AIR ENTRAINED 5% TO 7%, UNLESS OTHERWISE SPECIFIED.
- C. ALL CONCRETE SHALL HAVE A SLUMP OF 4 TO 5 INCHES UNLESS PRE-APPROVED BY ENGINEER.

**1.2 USE OF PLASTICIZERS**

- A. A WATER REDUCING AND/OR PLASTICIZING MIXTURE MAY BE ADDED TO THE CONCRETE MIX PROVIDED THE FOLLOWING REQUIREMENTS ARE MET.
- B. THE ADMIXTURE SHALL BE ADDED INTO THE CONCRETE MIX AS SPECIFIED BY THE MANUFACTURER AND BE COMPATIBLE WITH THE OTHER ADMIXTURES IN THE MIX.
- C. THE WATER CONTENT SHALL BE EQUAL TO OR LESS THAN THAT REQUIRED IN THE JOB MIX WITHOUT THE ADMIXTURE.
- D. THE CEMENT CONTENT SHALL BE THE SAME AS THAT REQUIRED IN THE JOB MIX WITHOUT THE ADMIXTURE.
- E. THE AIR CONTENT SHALL BE WITHIN THE SPECIFIED RANGE.
- F. THE SLUMP CONTENT SHALL NOT EXCEED 3 INCHES UNLESS THE CONTRACTOR CAN DEMONSTRATE BEFORE PLACEMENT THAT THE JOB MIX CAN BE PLACED WITHOUT SEGREGATION AT A SLUMP GREATER THAN 3 INCHES. THE CONCRETE SHALL RETAIN THE INCREASED SLUMP FOR NOT LESS THAN 30 MINUTES.
- G. IF THE ADMIXTURE IS ADDED AT THE JOB SITE, THE SLUMP OF THE CONCRETE BEFORE THE ADDITION OF THE ADMIXTURE SHALL NOT EXCEED A SLUMP OF 3 INCHES.

**1.3 CONCRETE REINFORCING**

- A. REINFORCING STEEL BARS
  - 1. ALL REINFORCING BARS TO BE ASTM A615 GRADE 60 OR GRADE 40 AS NOTED ON PLANS. GRADE 40 SHALL BE USED UNLESS OTHERWISE NOTED.
  - 2. WHERE USED, DOWELS SHALL BE SPACED WITH VERTICAL REINFORCEMENT, UNLESS OTHERWISE SPECIFIED.
  - 3. ALL LAP LENGTHS TO BE A MINIMUM OF 36 BAR DIAMETERS. ALL SPECIFIED LAP LENGTHS ARE SHOWN AS MINIMUMS.
  - 4. ALL STEEL BAR REINFORCING COVER WILL CONFORM TO ASTM A 185.
  - 5. ALL STEEL SHALL BE PLACED, TIED, AND PROPERLY SUPPORTED PRIOR TO THE PLACEMENT OF THE CONCRETE.

- B. REINFORCING WIRE FABRICATION
  - 1. ALL WELDED WIRE FABRICATION SHALL BE WELDED WITH THE MIDWEST PLAN SE.

**1.4 PLACING CONCRETE**

- A. ENSURE REINFORCEMENT IS PLACED.
- B. PLACE CONCRETE WITH VIBRATION SHALL BE 1. VIBRATORS MUST NOT TOUCH CONCRETE NOR USED TO VIBRATE CONCRETE.
- C. CONTROL JOINTS SHALL BE PLACED AT 100 FEET.
- D. PLACEMENT OF CONCRETE REINFORCEMENT SHALL BE AS PER ENGINEER'S REPRESENTATIVE'S REPRESENTATIVE.
- E. CONCRETE PLACEMENT TIME SHALL BE GIVEN, SO THAT THE AREA TO BE PLACED IS PROVIDED TO PREVENT CONCRETE FROM SETTING.
- F. ALL CONCRETE SHALL BE PLACED IN ACCESSIBLE LOCATIONS.
- G. THE VIBRATOR SHALL BE WORKED IN CIRCLES AROUND THE REINFORCEMENT.
- H. THE FOLLOWING SPECIFICATIONS SHALL APPLY:
  - 1. 2 INCHES FREQUENCY (100 TO 120 INCHES)
  - 2. RATE OF CONCRETE SHALL BE PLACED FOR WALLS LESS THAN 12 INCHES ARE REMOVED.

**1.5 WATERSTOPS**


- A. ALL COLD JOINTS OR AREAS SHALL BE WATERSTOPPED ON CONSTRUCTION DRAWINGS.
- B. ALL WATERSTOP LOCATIONS SHALL BE AS SHOWN ON CONSTRUCTION DRAWINGS.
- C. ALL WATERSTOPS SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS.

**1.6 COLD WEATHER CONCRETE**

- A. METHODS FOR COLD WEATHER CONCRETE SHALL BE AS SPECIFIED BY THE CONTRACTOR.
- B. CONCRETE SHALL BE PLACED AT A TEMPERATURE OF LESS THAN 32 DEGREES F.
- C. IF ADDITIONAL CEMENT IS REQUIRED TO MAINTAIN A MINIMUM TEMPERATURE OF 32 DEGREES F, PLEASE REFERENCE 210-FIRST 72 HOURS.
- D. EXHAUST GASES FROM ENCLOSED AREAS SHALL BE EXHAUSTED TO THE OUTSIDE.
- E. AT THE END OF THE POUR, THE SURFACE SHALL BE COVERED WITH A MAXIMUM OF 2 INCHES OF PROTECTIVE COVERING.


**1.7 HOT WEATHER CONCRETE**

- A. HOT WEATHER IS DEFINED AS A TEMPERATURE OF 70 DEGREES F OR HIGHER.
- B. IN TEMPERATURES EXCEEDING 70 DEGREES F, CONCRETE AT DIFFERENT PLACES SHALL BE PLACED AT DIFFERENT TIMES.
- C. THE TEMPERATURE OF CONCRETE SHALL NOT EXCEED 100 DEGREES F DURING MIXING, CONVEYING, OR PLACING.
- D. EXPOSED SURFACES SHALL BE PROTECTED BY SPRAYING WITH A WATER-REPELLENT.
- E. FINISHING OF THE CONCRETE SHALL NOT BE DONE UNTIL THE SURFACE HAS SET.
- F. FORMED WALL SURFACES SHALL BE COVERED WITH A WATER-REPELLENT UNTIL CONCRETE IS FULLY CURED.
- G. FORMED FLAT SURFACES SHALL BE COVERED WITH A WATER-REPELLENT UNTIL CONCRETE IS FULLY CURED.

REVISIONS				DRAWN		WAGNER CONSULTING & AGRICULTURE 109 WEST OAK STREET LENA, ILLINOIS 61048 815-275-7642 WAGNERCONSULTAG@MEDIACOMBB.N
NO.	DATE	BY	REMARKS	M.L.W.		
				CHECKED		
				A.A.W.		
				APPROVED		
				M.L.W.		

**SPECIFICATIONS FOR VEGETATION ESTABLISHMENT IN BACKFILL AREA**

- A. THE FILL AREA AROUND THE PROPOSED SLATTED FLOOR CONFINEMENT BUILDING SHALL BE SHAPED TO THE GRADE AND DIMENSIONS SHOWN IN THE PLAN OR AS STAKED IN THE FIELD. IF NECESSARY, TOPSOIL SHALL BE STOCKPILED AND SPREAD TO THE REQUIRED GRADE AND THICKNESS. EXCESS SOIL SHALL BE WASTED TO THE NORTHWEST OF THE PROPOSED SLATTED FLOOR CONFINEMENT BUILDING.
- B. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE VEGETATED EXCEPT FOR ANY AREAS TO THE NORTH OR WEST OF THE PROPOSED WASTE STORAGE STRUCTURE WHICH WILL BE ROW CROPPED.
- C. IMMEDIATELY PRIOR TO SEEDBED PREPARATION, APPLY THE FOLLOWING MINIMUM AMOUNTS OF STARTER FERTILIZER PER ACRE.
  - 1. NITROGEN (N) - 120 POUNDS OF ACTUAL NITROGEN
  - 2. PHOSPHORUS (P) - 120 POUNDS OF P<sub>2</sub>O<sub>5</sub>
  - 3. POTASSIUM (K) - 120 POUNDS OF K<sub>2</sub>O
- D. APPLY LIMESTONE, IF NECESSARY FOR THIS SPECIES TO BE GROWN.
- E. INCORPORATE THE REQUIRED LIME AND FERTILIZER AND PREPARE A FIRM SEEDBED TO A DEPTH OF 3 INCHES. THE SEEDBED SHALL BE FREE FROM CLODS, STONES, OR OTHER DEBRIS THAT MIGHT HAMPER PROPER SEEDING.
- F. THE RECOMMENDED SEEDING RATES FOR A VEGETATIVE ESTABLISHMENT ARE:
  - 1. SMOOTH BROMEGRASS - 24 LBS/ACRE
  - 2. TIMOTHY - 23 LBS/ACRE
  - 3. BIRDFOOT TREFOIL - 12 LBS/ACRE
  - 4. COMPANION CROP OF OATS - 1 BU/ACRE
- G. APPLY SEED UNIFORMLY AT A DEPTH OF 1/4 TO 1/2 INCH WITH A DRILL (BAND SEED) OR CULTIPACKER TYPE SEEDER OR BROADCAST SEED UNIFORMLY AND COVER TO A DEPTH OF 1/4 TO 1/2 INCH WITH A CULTIPACKER OR HARROW. IF A DRILL OR CULTIPACKER SEEDER IS USED, SEED ACROSS THE SLOPE OR CUT CHANNEL.
- H. SEEDING DATES SHALL BE AS LISTED BELOW:
  - 1. LATE WINTER TO JUNE 1
  - 2. AUGUST 1 TO SEPTEMBER 1
  - 3. NOVEMBER 1 TO FIRST FROST
  - 4. FEBRUARY 1 TO MARCH 15
- I. MULCH WITH CLEAN STRAW USING 2 TONS OF MULCH PER ACRE. THE MULCH MUST BE UNIFORMLY SPREAD OVER THE SEEDBED AREA.
- J. ANCHOR THE MULCH BY ONE OF THE METHODS:
  - 1. PRESS IT INTO THE SOIL TO A 3 INCH DEPTH BY USING A SERRATED STRAIGHT DISK OR DRILL PAWM DISK SET STRAIGHT. CROSS THE SLOPE PERPENDICULAR TO THE DIRECTION OF FLOW OF WATER, OR
  - 2. APPLY A NETTING ON TOP OF THE MULCH AND ANCHOR IT WITH STAPLES.

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NO.	DATE	BY	REMARKS	M.L.W.		
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				APPROVED		
				M.L.W.		

STATE OF ILLINOIS

COUNTY OF SANGAMON

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**CERTIFICATE OF SERVICE**

I, the undersigned attorney at law, hereby certify that I have served on the date of July 18, 2019, the attached **APPEARANCE** and **RECOMMENDATION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY**, upon the following persons by causing to be mailed a true copy thereof in an envelope duly addressed, bearing proper first class postage, and deposited in the United States mail at Springfield, Illinois:

Janssen Farm  
12228 Otter Creek Road  
Lanark, Illinois 61046

**Copies also provided electronically as follows:**

Illinois Department of Revenue  
via email at REV.PropTaxApp.illinois.gov  
101 West Jefferson  
P.O. Box 19033  
Springfield, Illinois 62794

**[Electronic Filing]**

Clerk  
Illinois Pollution Control Board  
James R. Thompson Center  
100 West Randolph Street, Suite. 11-500  
Chicago, Illinois 60601

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY**

/s/ Jacob H. Smith  
Assistant Counsel  
Division of Legal Counsel  
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**THIS FILING IS SUBMITTED ON RECYCLED PAPER**