

**BEFORE THE ILLINOIS POLLUTION CONTROL BOARD**

**Legend Gilts LLC** )  
**(Property Identification Number** ) **PCB 20-**  
**07-121-1-11)** ) **(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.


Jeff Johnson  
21275 Hillcrest Road  
Greenfield, Illinois 62044

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  
P.O. Box 19033  
Springfield, Illinois 62794

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

By:  \_\_\_\_\_  
Michael S. Roubitchek  
Assistant Counsel  
Division of Legal Counsel

DATED: January 8, 2020

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**

Legend Gilts LLC )  
(Property Identification Number ) PCB 20-  
07-121-1-11) (Tax Certification)  
)

**A P P E A R A N C E**

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

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

By: 

Michael S. Roubitchek  
Assistant Counsel  
Division of Legal Counsel

DATED: January 8, 2020

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**

Legend Gilts LLC )  
(Property Identification Number ) PCB 20-  
07-121-1-11) (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 March 29, 2019, the Illinois EPA received a request from Legend Gilts LLC (log number TC-141055, 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: Legend Gilts LLC  
3265 E. 825 Avenue  
Rockbridge, IL 62081

The proposed water pollution control facilities in this request are located in the NW ¼ of Section 1, T9N, R11W of the West 3rd P.M. in Greene County, at the above street address and consist of the following:

One (1) concrete livestock waste pit (gestation barn) measuring 369 ft. x 129.83 ft. x 12 ft. deep, the concrete slatted portion of the floor over the manure pit that captures and contains waste generated in the barn above, 10 concrete pump out pits, each approximately 6 ft. x 6 ft. x 12 ft. deep to allow manure removal from the pit, and perforated perimeter drain tile (approximately 1,120 ft. x 4 in. diameter), around the footing of the manure pit to prevent flotation.

One (1) concrete livestock waste pit (isolation barn) measuring 47 ft. x 41.16 ft. x 8 ft. deep, the concrete slatted portion of the floor

over the manure pit that captures and contains waste generated in the barn above, 2 concrete pump out pits, each approximately 6 ft. x 6 ft. x 8 ft. deep to allow manure removal from the pit, and perforated perimeter drain tile (approximately 204 ft. x 4 in. diameter), around the footing of the manure pit to prevent flotation.

Two (2) concrete livestock waste pits (cull room), each measuring 27.66 ft. x 9.33 ft x 2 ft. deep.

Two (2) concrete livestock waste pits (farrowing barns), each measuring 140.5 ft. x 87.42 ft. x 2 ft. deep.

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

3. Section 11-10 of the Property Tax Code, 35 ILCS 200/11-10 (2014), 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 (2014), 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 are 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:   
Michael S. Roubitchek  
Assistant Counsel  
Division of Legal Counsel

Dated: January 8, 2020

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



**Memorandum**

To: Charles Gunnarson, Division of Legal Counsel  
From: Darin E. LeCrone P.E., Manager, Industrial Unit, Permit Section  
Date: November 6, 2019  
Re: Legend Gilts LLC - Greenfield  
Recommendation of Tax Certification  
Log # TC-141055  
BOW ID # W1178250005  
Property Identification # 07-121-1-11

*DEL*  
**RECEIVED**  
Division of Legal Counsel  
NOV 06 2019  
Environmental Protection Agency

The Bureau of Water received a request on March 29, 2019 from Legend Gilts LLC for an Illinois EPA recommendation regarding the tax certification of water pollution control facilities pursuant to 35 Il. Adm. Code 125.204. We offer the following recommendation.

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

Legend Gilts LLC  
3265 E. 825 Avenue  
Rockridge, IL 62081

NW 1/4 of Section 1, Township 9-North, Range 11-West of the West 3rd PM in Greene County.

Livestock waste management facilities consisting of:

One (1) concrete livestock waste (gestation barn) pit measuring 369 ft. (length) x 129.83 ft. (width) x 12 ft. (depth) with 10 concrete pump out pits approximately 6 ft. (length) x 6 ft. (width) x 12 ft. (depth) and approximately 1,120 linear feet of 4 inch diameter perimeter drain tile and approximately 47,104 sq. ft. of concrete slatted flooring over this manure pit.

One (1) concrete livestock waste pit (isolation barn) measuring 47 ft. (length) x 41.16 ft. (width) x 8 ft. (depth) with 2 concrete pump out pits approximately 6 ft. (length) x 6 ft. (width) x 8 ft. (depth) and approximately 204 linear feet of 4 inch diameter perimeter drain tile and approximately 1,840 sq. ft. of concrete slatted flooring over this manure pit.

Two (2) concrete livestock waste pits (cull room) measuring 27.66 ft. (length) x 9.33 ft. (width) x 2 ft. (depth) each.

Two (2) concrete livestock waste pits (farrowing barns) measuring 140.5 ft. (length) x 87.42 ft. (width) x 2 ft. (depth) each.

These livestock waste management facilities are used to collect, transport and/or store livestock wastes prior to cropland application.

These facilities are further described in the enclosed applications and supporting documents.

Page No. 2

Log No. TC-141055

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 Darren Gove at 217/782-0610.

DRG:TC-141055\_Tax Cert Recommendation\_29Mar19.docx

cc: Tax Cert File

Illinois EPA - Bureau of Water - Division of Pollution Control

Title 35 Subtitle A Part 125 Tax Certifications

Illinois EPA Review Notes for:

**Agency Recommendation of Pollution Control Facilities.**

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**BOW ID #:** W1178250005

**Project Name:** Legend Gilts LLC

**Date application received:** 3/29/2019

**Reviewer:** DRG

**Log number:** TC-141055

**Legal Description:**

NW 1/4 of Section 1 Twp: 9-North Range: 11-  
West PM: West 3rd

**County:** Greene

**Facility Contact:** Jeff Johnson

**Phone:** \_217 622-9294

**Pollution Control Facility Type:**

Swine Livestock Waste Management Facility

**Property ID:** 07-121-1-11

**Applicant:** Legend Gilts LLC

21275 Hillcrest Road  
Greenfield, IL 62044

**Facility:** Legend Gilts LLC

3265 E. 825 Avenue  
Rockbridge, IL 62081

**Date Control Devices installed:** 9/1/2018

**Application Signature by:** Charles Johnson

**Title:** Owner

Contents of Application: 3 page application form and corrected/missing data form, cover letter, pollution control facility description list, and facility construction layout (buildings layout 6 pages)

Is there a pollutant control flow diagram? **Yes**

Is there sufficient diagrams showing the pollution control facilities? **Yes**

**This facility generates the following pollutants and prevents their discharge as indicated:**

Livestock waste is collected and land applied to cropland.

**Physical description of pollution control facilities that ARE recommended:**

Livestock waste management facilities consisting of:

One (1) concrete livestock waste (gestation barn) pit measuring 369 ft. (length) x 129.83 ft. (width) x 12 ft. (depth) with 10 concrete pump out pits approximately 6 ft. (length) x 6 ft. (width) x 12 ft. (depth) and approximately 1,120 linear feet of 4 inch diameter perimeter drain tile and approximately 47,104 sq. ft. of concrete slatted flooring over this manure pit.

One (1) concrete livestock waste pit (isolation barn) measuring 47 ft. (length) x 41.16 ft. (width) x 8 ft. (depth) with 2 concrete pump out pits approximately 6 ft. (length) x 6 ft. (width) x 8 ft. (depth) and approximately 204 linear feet of 4 inch diameter perimeter drain tile and approximately 1,840 sq. ft. of concrete slatted flooring over this manure pit.

Two (2) concrete livestock waste pits (cull room) measuring 27.66 ft. (length) x 9.33 ft. (width) x 2 ft. (depth) each.



ATTACHMENT A

LEGEND GILTS LLC TAX CERTIFICATION FORM



**Frank & West**  
Environmental Engineers, Inc.

June 5, 2018

Al Keller  
Permit Section  
Division of Water Pollution Control  
Illinois EPA  
P.O. Box 19276  
Springfield, Illinois 62794-9276

**RECEIVED**  
MAR 29 2018  
IEPA  
BOWWPC/PERMIT SECTION

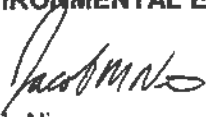
RE: Legend Gilts LLC facility

Dear Mr. Keller:

Frank & West is submitting an application for certification of property tax treatment for pollution control facility on behalf of the Legend Gilts LLC facility.

If you have any further questions or comments regarding the Legend Gilts non-lagoon livestock waste handling facility, please advise.

**FRANK & WEST**  
**ENVIRONMENTAL ENGINEERS, INC.**

  
Jacob Nims  
Agricultural Engineer

Attachment: Application for Certification

TC-141055  
DRG



# 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.

You must have Adobe Acrobat Reader 10 or above installed to use the features on this form.

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

**RECEIVED**  
MAR 29 2019

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

IEPA  
BOW/WPC/PERMIT SECTION

### I. Applicant Information:

Company Name: <u>Legend Gilts LLC</u>	Person to Contact for Additional Details: <u>Same</u>
Person Authorized to Receive Certification: <u>Jeff Johnson</u>	Street Address: _____
Street Address: <u>21275 Hillcrest Rd.</u>	City: _____ State: _____
City: <u>Greenfield</u> State: <u>IL</u>	Zip: _____ Phone: _____
Zip: <u>62044</u> Phone: <u>217-622-9294</u>	Email Address: _____
Email Address: _____	

### II. Facility Information:

Facility Location: Quarter Section: NW Township: 9-North Range: 11-West  
Municipality: Section 1 Township: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_  
State: \_\_\_\_\_ Zip Code: \_\_\_\_\_ County: Greene Book Number: \_\_\_\_\_

Property Index Number: \_\_\_\_\_

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:

The structures are swine gestation and farrowing buildings where animals are housed on concrete slats with below ground concrete pits used as waste storage.

### Permit Information:

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

Not applicable

**Materials Used in the Process:**

Not applicable

**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.

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

The farm consists of two (2) swine farrowing buildings, one (1) swine gestation building, one (1) swine isolation building, and one (1) swine cull room. All barns utilize under ground concrete pits to store manure until the appropriate time when it can be applied to agricultural fields at agronomic rates.  
Please see the attached list for building dimensions, perimeter tile info, etc.

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

The primary purpose of the pits is to have a year's worth of livestock manure storage to allow flexibility for application to agricultural fields when conditions are ideal.

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).

Not applicable

**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
Livestock Manure	Stored in below ground concrete pit	Field applied at agronomic rates

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



# Illinois Environmental Protection Agency

## Point(s) of Waste Water Discharge:

Identify the location of the discharge to the receiving stream. This will typically refer to a source of private 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: \_\_\_\_\_

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

Status of installation on date of application:

### 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))**

Printed Name:	Title:
---------------	--------

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

Signature:	Date:
------------	-------



# 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

### I. Applicant Information:

Company Name: _____	Person to Contact for Additional Details: _____
Person Authorized to Receive Certification: _____	Street Address: _____
Street Address: _____	City: _____ State: _____
City: _____ State: _____	City: _____ State: _____
Zip: _____ Phone: _____	Zip: _____ Phone: _____
Email Address: _____	Email Address: _____

### II. Facility Information:

Facility Location: Quarter Section: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_  
Municipality: \_\_\_\_\_ Township: \_\_\_\_\_

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

Address: 326 SE 825 Ave City: Rockbridge  
State: IL Zip Code: 62081 County: Greene Book Number: \_\_\_\_\_  
Property Index Number: 07-121-1-11

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:

### Permit Information:

WPC Construction Permit Number: _____	Date Issued: _____
NPDES Permit Number: _____	Date Issued: _____ Exp. Date: _____
APC Construction Permit Number: _____	Date Issued: _____
APC Operating Permit Number: _____	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:

**Materials Used in the Process:**

**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):

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

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).

**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

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: Sept 1, 2018

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

Status of installation on date of application:

completed

**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))*

Charles J. Johnson  
Printed Name:

Owner  
Title:

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

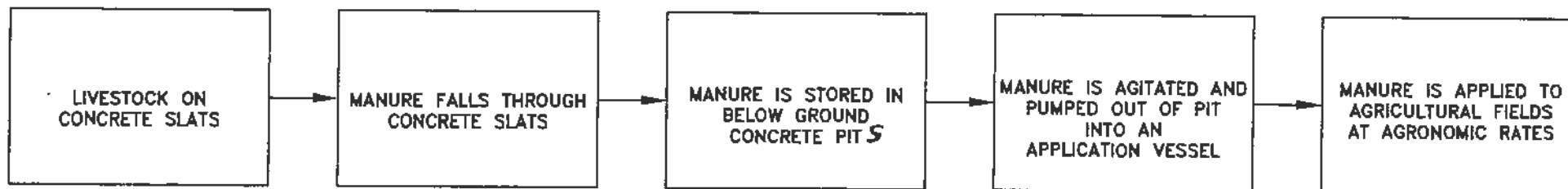
Charles J. Johnson  
Signature:

March 1, 2019  
Date:



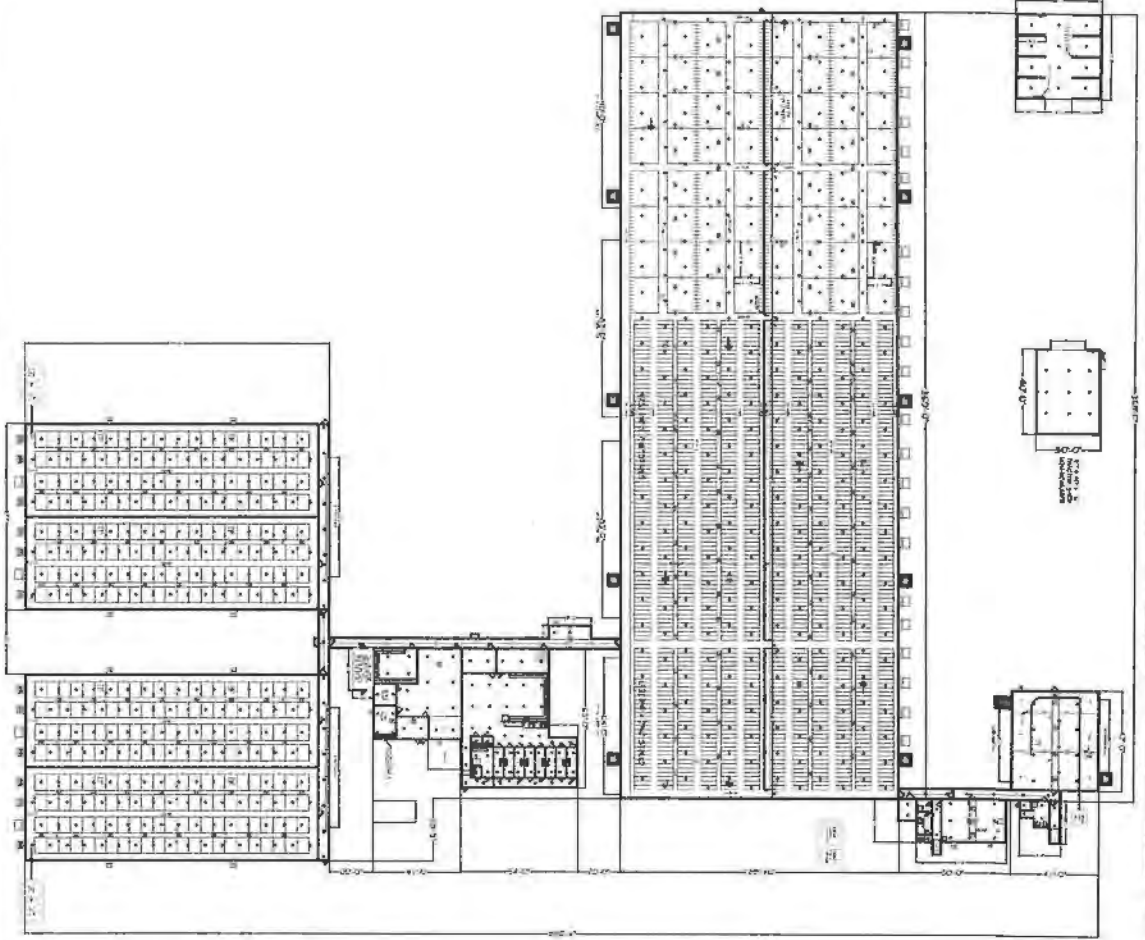
Pollution Control Facility	Dimensions	Number of Pumpouts	Pumpout Size	Length of Perimeter Tile	Type of Tile	Area of Precast Concrete Slats
Gestation barn	369' x 129'10" x 12' deep	10	6' x 6' x 12' deep	1,120'	4" dia. Perforated	47,104 ft <sup>2</sup>
Isolation barn	47' x 41'2" x 8' deep	2	6' x 6' x 8' deep	204'	4" dia. Perforated	1,840 ft <sup>2</sup>
Cull Room	29' x 20'6" x 2' deep	-		-	-	-
	*Cull Room contains two (2) individual pits each measuring 9'4" x 27'8" x 2' deep					
(2) Farrowing barns	140'6" x 87'5" x 2' deep	-		-	-	-
	*Each farrowing building contains eight (8) individual pits each measuring 7'2" x 126'4" x 2' deep					

POLLUTION CONTROL FACILITY  
PROCESS FLOW DIAGRAM

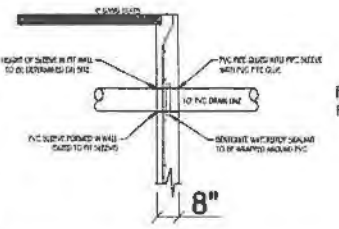
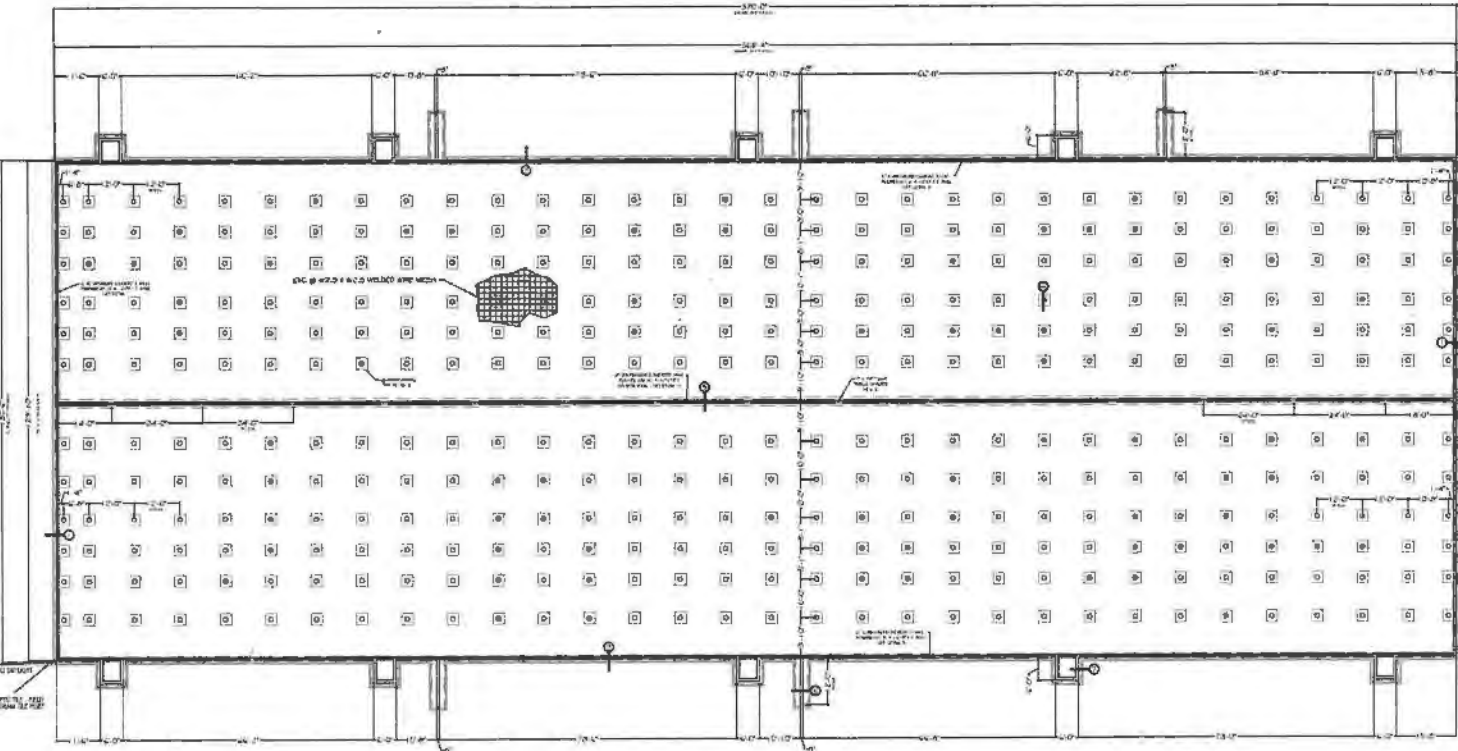


2304 1824	PSI	PRECISION STRUCTURES INCORPORATED	DATE	REV	DESCRIPTION	BY	DATE
1824	18	18	18	18	18	18	18
1824	18	18	18	18	18	18	18
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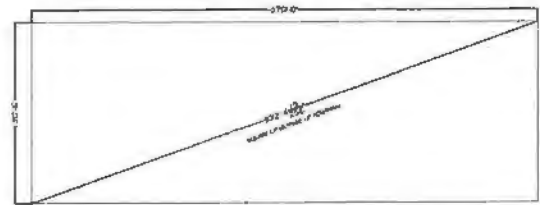
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REVISED ARE SUBJECT TO CHANGE



2304 1824  
PSI  
PRECISION STRUCTURES INCORPORATED  
DATE



- CONSTRUCTION NOTES:**
- DO NOT ALLOW HEAVY EQUIPMENT WITHIN 5' OF PC WALLS EXCEPT AT PLUMB-OUTS
- DESIGN:** STRUCTURAL DESIGN ACCORDING TO UNIFORM CODE BY MIDWEST PLAN SERVICE, IOWA STATE UNIVERSITY
- ANCHOR BOLTS:** ALL ANCHOR BOLTS SHALL BE PLACED IN FRESH CONCRETE AND POSITIONED AS REQUIRED BY FRAMING CONTRACTOR  
DRILLED IN OR WEDGE ANCHORS ARE NOT ALLOWED
- EXCAVATION & BACKFILL:** FOOTING ARE DESIGNED FOR MINIMUM SOIL BEARING CAPACITY = 3000 LB/SQ FT  
CONTRACTOR SHALL COVER EXCAVATE AND PLACE A COMPACT SUITABLE FOOTING MATERIAL AS REQUIRED TO ASSURE MINIMUM SOIL BEARING CAPACITY IS ATTAINED.  
BACKFILL SHALL BE GRANULAR & FREE DRAINING.  
BACKFILL ONLY AFTER PRECAST GANG SLABS ARE PLACED.
- REINFORCING STEEL:** FABRICATE AND PLACE IN ACCORDANCE WITH A.C.I. 318-11 STEEL
- CONCRETE:** MINIMUM 28 DAY COMPRESSIVE STRENGTH  
FOOTINGS & FRT FLOOR 4000 P.S.I.  
WALLS & COLUMNS 4000 P.S.I.
- MIX DESIGN USING FLY ASH SHALL BE CLASS "C" ONLY  
MINIMUM FLY ASH CONTENT 15%  
DRAINED AIR CONTENT 5% & 7%  
MAXIMUM SLUMP 5"
- MIX, PLACE, CURE AND PROTECT CONCRETE IN ACCORDANCE WITH A.C.I. 318-11
- INSULATE FORMS & COVER CONCRETE AS REQUIRED TO PROTECT FROM TEMPERATURES BELOW 40° F
- WATERLINES:** WATER LINES SHALL NOT PENETRATE THE WALL OR FLOOR OF THE LIVESTOCK WASTE HOLDING BASING FACILITY BELOW SEAT LEVEL.
- WATERSTOP:** WATERSTOP SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS



**NOTE**  
ALL REINFORCED CONCRETE SHALL BE CAST WITH 1/2" DIA. ANCHOR BOLTS TO BE PLACED AT THE FULL DEPTH AND CENTER OF THE SLAB. 1/2" DIA. ANCHOR BOLTS SHALL BE PLACED AT THE FULL DEPTH AND CENTER OF THE SLAB.

TYPE 1: TO CERTIFY THAT THE DESIGN OF THE REINFORCED CONCRETE WALLS, PLUMB-OUT WALLS, AND ALL FRT FOOTINGS OF THE BARRIAGE DIVISION IS IN ACCORD WITH THE CODES OF REGULATIONS TO AT LEAST AS PROTECTED BY THE DESIGNER. SURFACE WATER AND THE STRUCTURAL INTEGRITY OF THE BARRIAGE DIVISION MANAGEMENT FACILITY AS THE CHIEF ENGINEER'S RESPONSIBILITY AND TO BE MAINTAINED IN ACCORDANCE WITH THE DESIGN CONTRACT.

*Michael R. Lesue*  
MICHAEL R. LESUE, P.E., S.E.

**NOTES:**

- REFER TO WALL & MINIMUM 1" OF COVER FROM TOP, SIDE, AND BOTTOM OF WALL AND 3" IN FOOTINGS
- BACKFILL TO AT LEAST 1' OF BEYOND PLANT LEVEL
- OVERLAP REBAR 12" MINIMUM AND WELDED WITH 4" MINIMUM
- ALL REBAR @ 4200 PSI @ 48 CWD AND UNLESS NOTED OTHERWISE
- WELDED WIRE IN 4200 PSI @ 48 CWD
- ALL CONCRETE TO BE 4000 PSI @ 48 CWD
- REINFORCING SHALL BE 1/2" DIA. THE BARRIAGE DIVISION FOR LARGER SUPPORT



**NOTES**

- 4" THICK PRECAST SLABS
- INSTALL ANCHOR BOLTS AS SHOWN IN DETAIL
- LAYOUT OF SIDEWALL ANCHOR BOLTS MUST BE MEASURED FROM THE SAME END OF THE BUILDING
- USE STAINLESS STEEL ANCHOR BOLTS ON CURTAIN OPENINGS UNLESS PROVIDED BY PSI. REMAINDER OF ANCHOR BOLTS ARE STANDARD STEEL PROVIDED BY CONCRETE SUB-CONTRACTOR

REFERENCE JOB #	REFERENCE JOB TITLE	REV	DESCRIPTION	BY	DATE
18010-CD	CONCRETE DETAILS	1	ADDED PIPE PENETRATION DETAIL	JPS	5/12/2018
		2			
		3			
		4			

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CONCRETE LAYOUT

DATE: 5/15/20  
EXPIRES 11/15/20

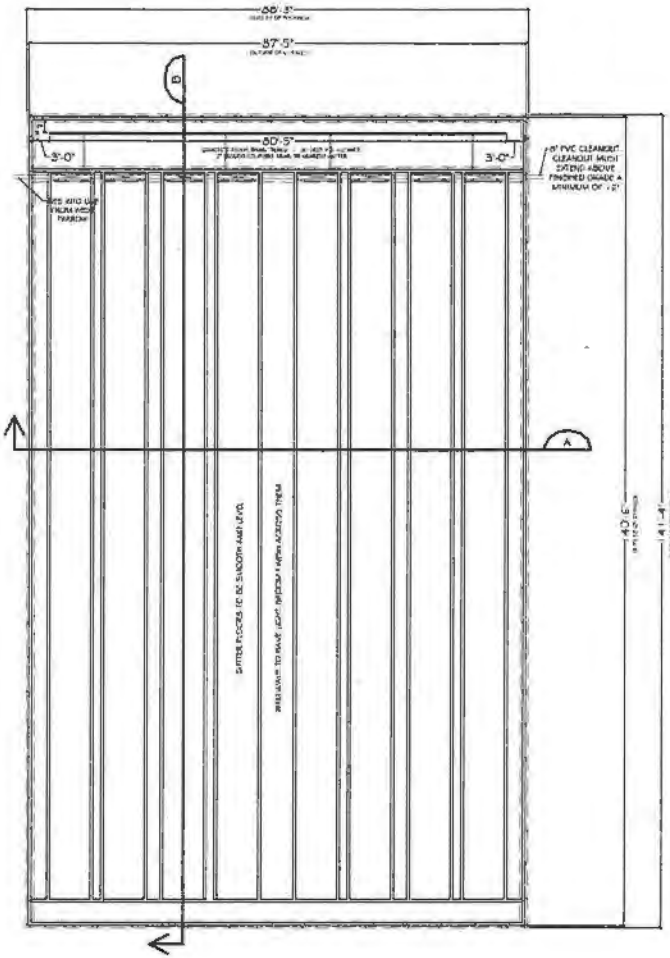


1,336 HEAD GESTATION FACILITY FOR LEGENDS GILT LLC

**PSI** PRECISION STRUCTURES INC  
1304 1ST AVE NORTH, WELLMAN, IOWA 52158-0440

DESIGNED BY	DATE	PROJECT	NO.
JPS	5/12/18	1,336 HEAD GESTATION FACILITY FOR LEGENDS GILT LLC	001
CHECKED BY	DATE	PROJECT	NO.
JPS	5/12/18	1,336 HEAD GESTATION FACILITY FOR LEGENDS GILT LLC	001

CONCRETE LAYOUT



**CONSTRUCTION NOTES:**  
**DO NOT ALLOW HEAVY EQUIPMENT WITHIN 5' OF PIT WALLS EXCEPT AT PUMP-OUTS**

**DESIGN:** STRUCTURAL DESIGN ACCORDING TO MAPS-32 BY MIDWEST PLAN SERVICE, IOWA STATE UNIVERSITY

**ANCHOR BOLTS:** ALL ANCHOR BOLTS SHALL BE PLACED IN FRESH CONCRETE AND POSITIONED AS REQUIRED BY FRAMING CONTRACTOR  
 DRILLED-IN OR WEDGE ANCHORS ARE NOT ALLOWED

**EXCAVATION & BACKFILL:** FOOTINGS ARE DESIGNED FOR MINIMUM SOIL BEARING CAPACITY = 3000 LB/SQ FT  
 CONTRACTOR SHALL OVER EXCAVATE AND PLACE 4" COMPACT SUITABLE FOOTING MATERIAL AS REQUIRED TO ASSURE MINIMUM SOIL BEARING CAPACITY IS ATTAINED.  
 BACKFILL SHALL BE GRANULAR & FREE DRAINING BACKFILL ONLY AFTER PRECAST GANY SLATS ARE PLACED

**REINFORCING STEEL:** FABRICATE AND PLACE IN ACCORDANCE WITH A.C.I. 318-11 STEEL

**CONCRETE:** MINIMUM 28 DAY COMPRESSIVE STRENGTH:  
 FOOTINGS & PIT FLOOR 4000 P.S.I.  
 WALLS & COLLENS 4000 P.S.I.

MIX DESIGN USING FLY ASH SHALL BE CLASS "C" ONLY  
 MAXIMUM FLY ASH CONTENT 15%  
 SUPPLEMENTED AIR CONTENT 5% to 7%  
 MAXIMUM SLUMP 3"

MIX, PLACE, CURE AND PROTECT CONCRETE IN ACCORDANCE WITH A.C.I. 318-11

INSULATE FORMS & COVER CONCRETE AS REQUIRED TO PROTECT FROM TEMPERATURES BELOW 40° F

**WATERLINES:** WATER LINES SHALL NOT PENETRATE THE WALL OR FLOOR OF THE INVESTIG. WASTE HOLDING BASING FACILITY BELOW SLAT LEVEL

**WATERSTOP:** WATERSTOP SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS

**NOTES:**  
 INSTALL ANCHOR BOLTS AS SHOWN IN DETAIL  
 LAYOUT OF MIDWALL ANCHOR BOLTS MUST BE MEASURED FROM THE SAME END OF THE BUILDING  
 USE STAINLESS STEEL ANCHOR BOLTS ON ALL WALLS

**NOTES:**  
 REBAR TO HAVE A MINIMUM OF 2" COVER FROM SIDES, TOP, AND BOTTOM OF WALL AND 2" IN FOOTINGS  
 BACKFILL TO AT LEAST 6" BELOW WALKWAYS  
 OVERLAY REBAR 12" MINIMUM AND WELDED WIRE 6" MINIMUM  
 ALL REBAR IS ASTM A615 GRADE 60 UNLESS NOTED DIFFERENTLY  
 WELDED WIRE IS ASTM A185 GRADE 60  
 ALL CONCRETE TO BE 4000 PSI @ 28 DAYS

**NOTE**  
 ALL REINFORCED CONCRETE SLABS AND/OR BEAMS SHALL BE PUTTED AND/OR GROUTED TIGHT THE FULL DEPTH AND WIDTH OF THEM USING 4000 PSI CONCRETE GROUT MIX



DATE: 12/6/18  
 EXPIRES: 12/30/18

*Michael R. Leslie*  
 MICHAEL R. LESLIE, P.E., S.E.

REFERENCE JOB #	REFERENCE JOB TITLE	REV	DESCRIPTION	BY	DATE
18072-CD	CONCRETE DETAILS	A	ADDED CLEANOUT ELEVATION NOTE	JPS	3/1/2019

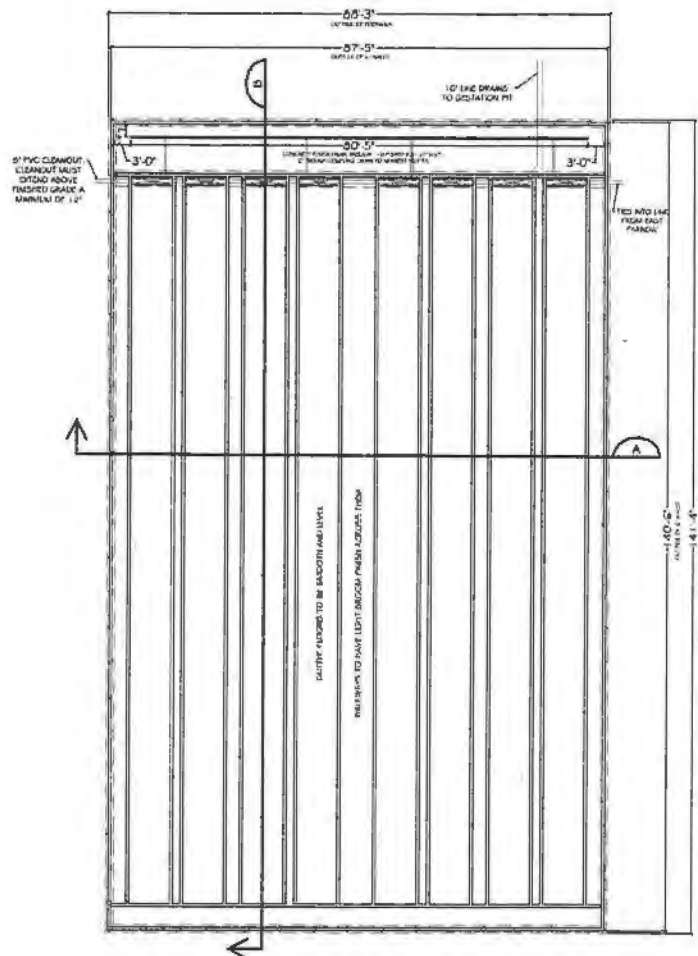
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184 HEAD FALLOW FACILITY FOR  
 LEGENOS GILT LLC

**PSI**  
 PRECISION STRUCTURES INC  
 1304 135<sup>TH</sup> AVE NORTH, HELLMAN, IOWA  
 (319) 646-2430

DATE: 12/6/18  
 DRAWN BY: JPS  
 CHECKED BY: JPS  
 PROJECT NO: 18072-CD  
 SHEET NO: 11P  
 CONCRETE LAYOUT



**CONSTRUCTION NOTES:**  
**DO NOT ALLOW HEAVY EQUIPMENT WITHIN 5' OF PIT WALLS EXCEPT AT PUMP-OUTS**

**DESIGN:** STRUCTURAL DESIGN ACCORDING TO UNWS-36 BY MIDWEST PLAN SERVICE, IOWA STATE UNIVERSITY

**ANCHOR BOLTS-** ALL ANCHOR BOLTS SHALL BE PLACED IN FRESH CONCRETE AND POSITIONED AS REQUIRED BY FRAMING CONTRACTOR  
 DRILLED-IN OR WEDGE ANCHORS ARE NOT ALLOWED

**DIECAVATION & BACKFILL-** FOOTINGS ARE DESIGNED FOR MINIMUM SOIL BEARING CAPACITY = 3000 LB/SQ FT  
 CONTRACTOR SHALL OVER DIECAVATE AND PLACE A COMPACT SUITABLE FOOTING MATERIAL AS REQUIRED TO ASSURE MINIMUM SOIL BEARING CAPACITY IS ATTAINED.  
 BACKFILL SHALL BE GRANULAR & FREE DRAINING.  
 BACKFILL ONLY AFTER PRECAST GAIN SLATS ARE PLACED.

**REINFORCING STEEL-** FABRICATE AND PLACE IN ACCORDANCE WITH A.C.I. 318-11 STEEL

**CONCRETE-** MINIMUM 28 DAY COMPRESSIVE STRENGTH  
 FOOTINGS & PIT FLOOR 4000 P.S.I.  
 WALLS & COLUMNS 4000 P.S.I.

**NO DESIGN USING FLY ASH SHALL BE CLASS 'C' ONLY  
 MAXIMUM FLY ASH CONTENT 15%  
 SIFTED AIR CONTENT 5% to 7%  
 MAXIMUM SLUMP 5"**

**WIK, PLACE, CURE AND PROTECT CONCRETE IN ACCORDANCE WITH A.C.I. 318-11**

**INSULATE FORMS & COVER CONCRETE AS REQUIRED TO PROTECT FROM TEMPERATURES BELOW 40° F**

**WATERLINES**  
 WATER LINES SHALL NOT PENETRATE THE WALL OR FLOOR OF THE LIVESTOCK WASTE HOLDING BASIN FACILITY BELOW SLAT LEVEL

**WATERSTOP**  
 WATERSTOP SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS

**NOTES**  
 INSTALL ANCHOR BOLTS AS SHOWN IN DETAIL  
 LAYOUT OF SIDEWALL ANCHOR BOLTS MUST BE MEASURED FROM THE SAME END OF THE BUILDING  
 USE STAINLESS STEEL ANCHOR BOLTS ON ALL WALLS

**NOTES:**  
 REBAR TO HAVE A MINIMUM OF 2" COVER FROM SIDES, TOP, AND BOTTOM OF WALL AND 3" IN FOOTINGS  
 BACKFILL TO AT LEAST 6" BELOW WALKWAYS  
 OVERLAP REBAR 12" MINIMUM AND WELDED WIRE 6" MINIMUM  
 ALL REBAR IS ASTM A615 GRADE 60 UNLESS NOTED DIFFERENTLY  
 WELDED WIRE IS ASTM A105 GRADE 60  
 ALL CONCRETE TO BE 4000 PSI @ 28 DAYS



DATE: 3/6/18  
 EXPIRES 11/30/18

**NOTE**  
 ALL REINFORCED CONCRETE SLABS AND/OR BEAMS SHALL BE BUTTED AND/OR GROUDED TIGHT THE FULL DEPTH AND WIDTH OF THEM USING 4000 PSI CONCRETE GROUT MIX

THIS IS TO CERTIFY THAT THE DESIGN OF THE PITWALLS, PUMP-OUT WALLS, PIT SLAB AND FOOTINGS OF THE MANURE STORAGE PIT IS SUCH THAT THE GRANT OF MODIFICATION IS AT LEAST AS PROTECTIVE OF THE GROUNDWATER, SURFACE WATER AND THE STRUCTURAL INTEGRITY OF THE LIVESTOCK WASTE MANAGEMENT FACILITY AS THE STATED REQUIREMENTS. CERTIFICATION ALSO INCLUDES COLUMN TO FOOTING AND DOWEL CONNECTIONS.

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

REFERENCE JOB #	REFERENCE JOB TITLE	REV	DESCRIPTION	BY	DATE
18011-CD	CONCRETE DETAILS	1	ADDED CLEANOUT ELEVATION NOTE	MS	3/1/2018

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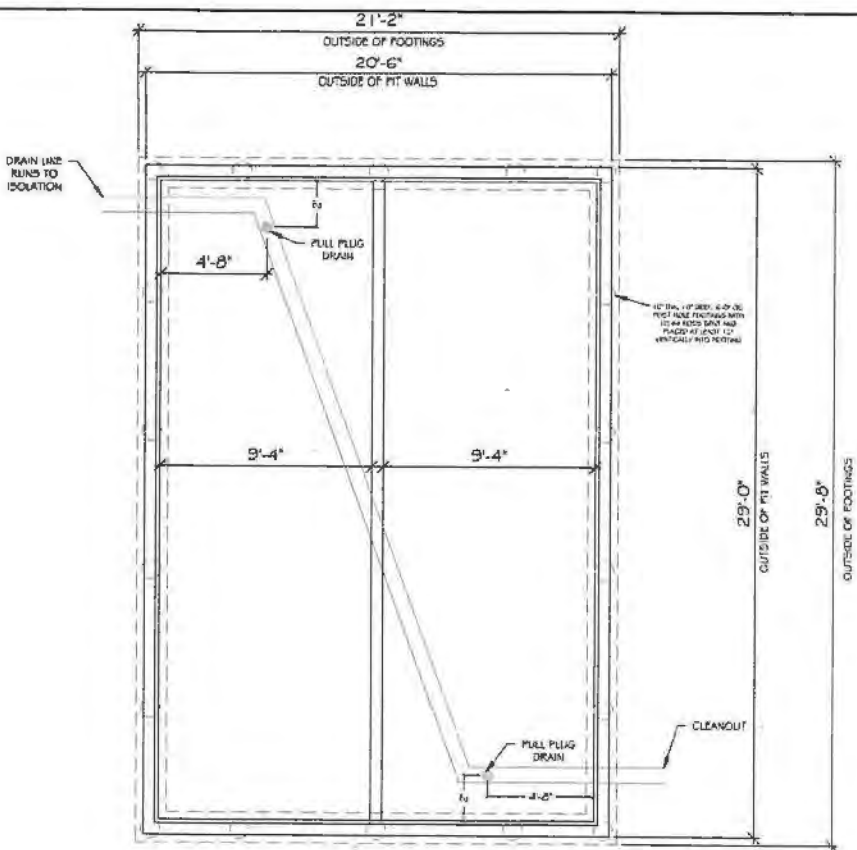


184 HEAD FARROW FACILITY FOR LEGENDS GILT LLC

**PSI** PRECISION STRUCTURES INC  
 1504 15TH AVE NORTH, WELLMAN, IOWA  
 (319) 646-2430

OWNER: PSI	DATE: 2/1/2018	DESIGNER: M. LESLIE	SCALE: 1/8" = 1'-0"
DRAWN: M. LESLIE	CHECKED: M. LESLIE	PROJECT: 18011	APP: A

CONCRETE LAYOUT



DATE: 11/30/18  
EXPIRES 11/30/18

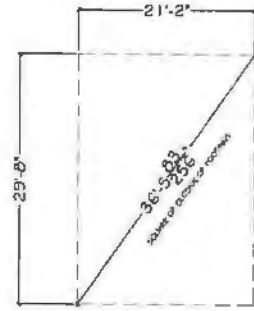
**NOTE**

ALL REINFORCED CONCRETE SLABS AND/OR BEAMS SHALL BE EITHER PROPERLY CASTED TO THE FULL DEPTH AND WIDTH OF THE LEVEL ABOVE FOR A MINIMUM SLAB/BEAM

THIS IS TO CERTIFY THAT THE DESIGN OF THE PITWALL, PLUMBING, PIT COVER AND PLUMBING OF THE WAREHOUSE STORAGE PIT IS SUBJECT TO THE LIMITS OF MODIFICATION TO AT LEAST AS PERTAINING TO THE CONDITIONS, SOURCE WATER AND THE STRUCTURAL DESIGN OF THE WAREHOUSE WASTE MANAGEMENT FACILITY AS THE STATED REQUIREMENTS. YOUR REVIEW ALSO INCLUDES CORRECTIONS TO FOOTINGS AND DRAIN CONNECTIONS.

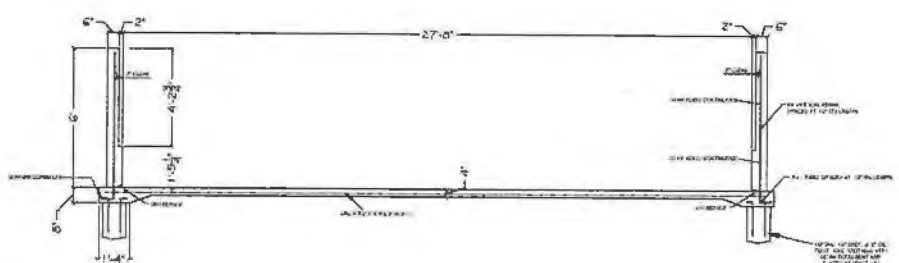
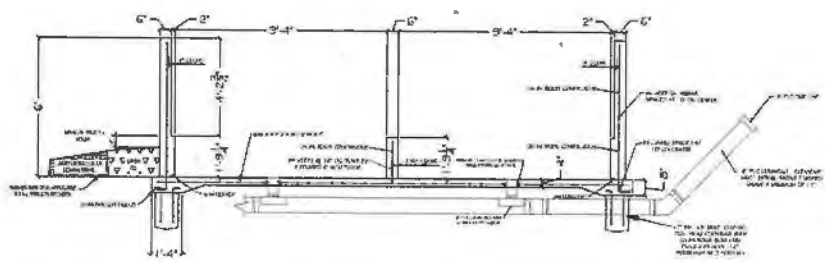
*Michael R. Lesue*  
MICHAEL R. LESUE, P.E., S.E.

**NOTES:**  
DESIGN TO HAVE A MINIMUM OF 2" COVER FROM TOP, AND BOTTOM OF WALL AND 2" IN FOOTING.  
BACKFILL TO AT LEAST AT BOTTOM DEAD LEVEL.  
COVERLAY BEHIND 1" MINIMUM AND VERTICAL WIRE 1" MINIMUM.  
ALL REBAR IN PIT WALL IS GRADE TO UNLESS NOTED OTHERWISE.  
VERTICAL WIRE IS ASTM A182 GALVANNED.  
ALL CONCRETE TO BE MADE PER 28 DAY TEST.



**NOTES**  
VERTICAL ANCHOR BOLTS AS SHOWN IN DETAIL.  
LAYOUT OF OVERWALL ANCHOR BOLTS MUST BE MATCHED FROM THE SAME END OF THE BUILDING.  
USE STABILIZED STEEL ANCHOR BOLT ONLY.

- DESIGNER'S NOTES:**
- SEE SHEET 1000-1001 FOR GENERAL NOTES.
  - DESIGN: STRUCTURAL DESIGN ACCORDING TO AMPS-34 OR A RECENT PLAN SERVICE, OR A STATE UNIVERSITY.
  - ANCHOR BOLTS: ALL ANCHOR BOLTS SHALL BE PLACED IN FRESH CONCRETE AND FASTENED AS REQUIRED BY TRAINING CONTRACTOR.
  - DESIGNER'S NOTES: ENCLOSED IN OF WEDGE ANCHORS ARE NOT ALLOWED.
  - DESIGNER'S NOTES: FOOTING ARE DESIGNED FOR MINIMUM SOIL BEARING CAPACITY = 3000 LB/SQ FT.
  - DESIGNER'S NOTES: CONTRACTOR SHALL COVER DRAINAGE AND PLACE A COMPACT SURFACE FOOTING MATERIAL AS REQUIRED TO ACHIEVE MINIMUM SOIL BEARING CAPACITY IS ATTAINED.
  - DESIGNER'S NOTES: FOOTING SHALL BE DRAMBLER & FACE DRAINING (ONLY) ONLY AFTER PRECAST CONCRETE HAS PLACED.
  - REINFORCING BARS: FABRICATE AND PLACE IN ACCORDANCE WITH A.C.I. 318.11, STEEL.
  - CONCRETE: MINIMUM 4000 PSI COMPRESSIVE STRENGTH. FOOTINGS & PIT FLOOR: 4000 PSI. WALLS & OVERWALL: 4000 PSI.
  - DESIGNER'S NOTES: ALL REBAR USING PER ASH SHALL BE GRADE TO ONLY. MINIMUM PER ASH COVER 1.5 IN.
  - DESIGNER'S NOTES: COVERED AIR CONTENT 5% TO 7%.
  - DESIGNER'S NOTES: MAXIMUM SLUMP 5".
  - DESIGNER'S NOTES: ALL PLACE, CURE AND PROTECT CONCRETE IN ACCORDANCE WITH A.C.I. 318.11.
  - DESIGNER'S NOTES: MONITOR TEMPERATURE CONCRETE AS REQUIRED TO PREVENT FROM TEMPERATURES BELOW 40°F.
  - DESIGNER'S NOTES: WATER TABLES SHALL NOT PENETRATE THE WALL OR FLOOR OF THE UNDERWALL TO HOLDING MATERIAL PRECIPITATION BELOW GRADE LEVEL.
  - DESIGNER'S NOTES: WATERPROOF: WATERPROOF SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.



REFERENCE JOB #	REFERENCE JOB TITLE	REV	DESCRIPTION	BY	DATE
		A	ADDED CLEANOUT EXTENSION TO CROSS SECTION AND REQUIRED HEIGHT OF THAT CLEANOUT	JPS	3/12/2018
		B	CONNECTED THE OUTSIDE OF FOOTINGS DETAIL	JPS	3/21/2018

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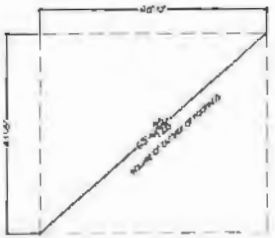
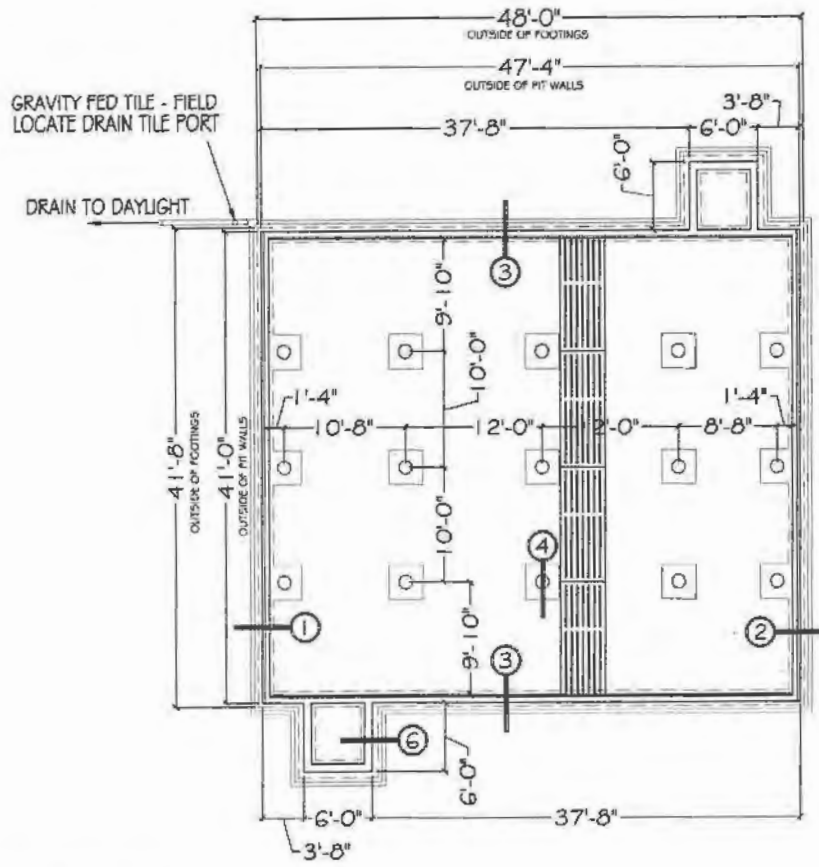


**CALL ROOM FOR LEGENDS GALT LLC**

**PRECISION STRUCTURES INC**  
1104 1ST AVE NORTH, WELLSVILLE, IOWA  
(319) 646-2430

DATE	BY	DATE	BY
3/12/2018	JPS	3/21/2018	JPS
3/21/2018	JPS		

CONCRETE PRINT



**NOTE**  
ALL REINFORCED CONCRETE SHALL BE CAST IN PLACE AND SHALL BE SET TO THE FINISH SURFACE OF THE FORMS. ALL REINFORCING SHALL BE PLACED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

THIS IS TO CERTIFY THAT THE DESIGN OF THE REINFORCED PRECAST CONCRETE PIT WALL AND FOOTING OF THE ISOLATION FACILITY IS SUCH THAT THE DESIGN OF THE FACILITY IS AT LEAST AS PROTECTIVE OF THE UNDERGROUND SURFACE AFTER AND THE STRUCTURAL INTEGRITY OF THE STRUCTURE UNDER REMOVED PRESSURE OF THE GROUND. THE DESIGNER'S CERTIFICATION HAS BEEN OBTAINED TO THE DESIGN AND CONSTRUCTION OF THIS FACILITY.

MICHAEL R. LESLIE, P.E., S.E.

**NOTES:**  
REFER TO THE MINIMUM OF 2" COVER FROM SIDES, TOP AND BOTTOM OF WALL AND PIT FOOTING.  
WALLS TO AT LEAST 1/2" REINFORCING.  
OVERLAY SHALL BE 2" UNWEIGHTED AND UNWEIGHTED W/ 4" MINIMUM ALL REINFORCING SHALL BE 1" UNLESS NOTED OTHERWISE.  
WELDED WIRE IS NOT TO BE USED UNLESS NOTED OTHERWISE.  
ALL CONCRETE TO BE 4000 PSI @ 28 DAYS.  
REINFORCING SHALL BE 100% TO THE MANUFACTURER'S RECOMMENDATIONS FOR LATERAL SUPPORT.

- CONSTRUCTION NOTES**
- DO NOT ALLOW HEAVY EQUIPMENT WITHIN 5' OF PIT WALLS EXCEPT AT PUMP-OUTS
  - DESIGN- STRUCTURAL DESIGN ACCORDING TO MWPS 36 BY ARROWEST PLAN SERVICE, IOWA STATE UNIVERSITY
  - ANCHOR BOLTS- ALL ANCHOR BOLTS SHALL BE PLACED IN FRESH CONCRETE AND POSITIONED AS REQUIRED BY FRAMING CONTRACTOR  
DRILLED-IN OR WEDGE ANCHORS ARE NOT ALLOWED
  - EXCAVATION & BACKFILL- FOOTING ARE DESIGNED FOR MINIMUM SOIL BEARING CAPACITY = 3000 LB/SQ FT  
CONTRACTOR SHALL OVER EXCAVATE AND PLACE & COMPACT SUITABLE FOOTING MATERIAL AS REQUIRED TO ASSURE MINIMUM SOIL BEARING CAPACITY IS ATTAINED.  
BACKFILL SHALL BE GRANULAR & FREE DRAINING.  
BACKFILL ONLY AFTER PRECAST GANG SLABS ARE PLACED.
  - REINFORCING STEEL- FABRICATE AND PLACE IN ACCORDANCE WITH A.C.I. 318-11 STEEL
  - CONCRETE- MINIMUM 28 DAY COMPRESSIVE STRENGTH  
FOOTINGS & PIT FLOOR- 4000 P.S.I.  
WALLS & COLUMNS- 4000 P.S.I.  
MW DESIGN USING FLY ASH SHALL BE CLASS "C" ONLY  
MAXIMUM FLY ASH CONTENT 13%  
ENTRAINED AIR CONTENT 5% TO 7%  
MAXIMUM SLUMP 5"  
MW, PLACE, CURE AND PROTECT CONCRETE IN ACCORDANCE WITH A.C.I. 318  
INSULATE FORMS & COVER CONCRETE AS REQUIRED TO PROTECT FROM TEMPERATURES BELOW 40° F
  - WATERWAYS- WATER LINES SHALL NOT PENETRATE THE WALL OR FLOOR OF THE LIVESTOCK WASTE HOLDING BASING FACILITY BELOW SLAT LEVEL.
  - WATERSTOP- WATERSTOP SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS

**NOTES**

- #1 THICK PRECAST SLABS
- INSTALL ANCHOR BOLTS AS SHOWN IN DETAIL
- LAYOUT OF SIDEWALL ANCHOR BOLTS MUST BE MEASURED FROM THE SAME END OF THE BUILDING
- USE STAINLESS STEEL ANCHOR BOLTS ON CURTAIN OPENINGS ONLY PROVIDED BY FSH REMAINDER OF ANCHOR BOLTS ARE STAINLESS STEEL PROVIDED BY CONCRETE SUB-CONTRACTOR

REFERENCE JOB #	REFERENCE JOB TITLE	REV	DESCRIPTION	BY	DATE
10013-CD	CONCRETE DETAILS				

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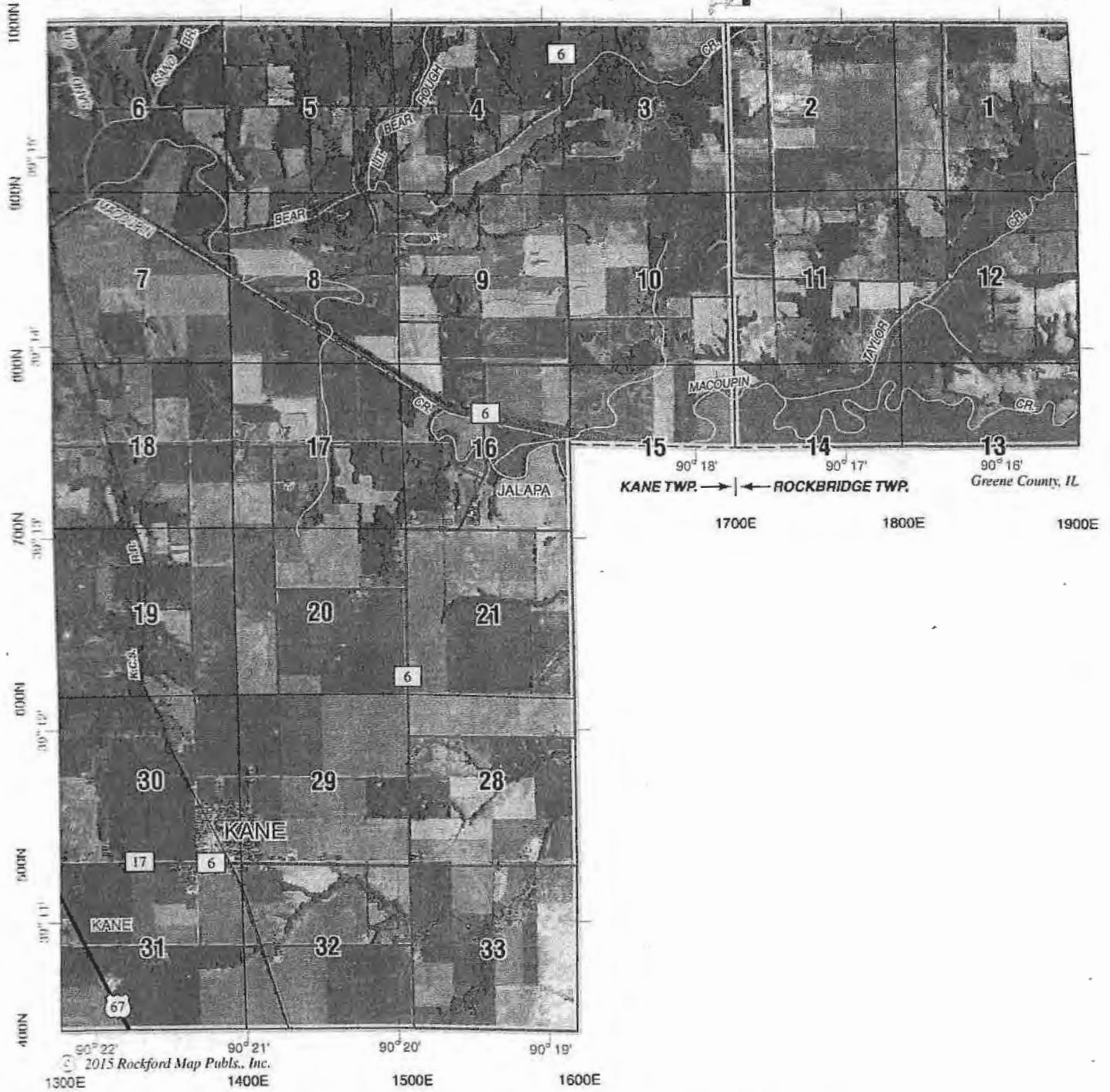
100 HEAD ISOLATION FACILITY FOR  
LEGENDS GILT LLC

**PRECISION STRUCTURES INC**  
1204 1ST AVE NORTH, WELLSVILLE, IOWA  
(319) 246-2430

DATE: 01/08/2020  
SCALE: 1/4" = 1'-0"  
DRAWN BY: [blank]  
CHECKED BY: [blank]



EAST PART KANE    SOUTHWEST PART ROCKBRIDGE    T.9N.-R.11W.



## Latitude and Longitude

Latitude and longitude information is a coordinate system written in degrees (°) and minutes (') and uses a grid that enables us to precisely locate a particular place or point on the earth's surface.

Latitude lines, or parallels, run horizontally across the surface of the map and is the angular distance north or south from the equator of a particular point on the earth's surface. The degrees continue 90° north and south, with 0° being located at the equator.

Longitude lines, or meridians, run vertically and is the angular distance of a particular point east or west of the prime meridian at 0° located in Greenwich, England. The degrees continue 180° east and 180° west where they come together to form the International Date Line in the Pacific Ocean.

Degrees latitude and longitude are divided into minutes and seconds for more precision in finding a particular point on the earth. There are 60 minutes in each degree and each minute is divided into 60 seconds. Rockford Map Publishers is located at 42°16'N, 89°5'W (42 degrees and 16 minutes north of the equator and 89 degrees and 5 minutes west of the meridian in Greenwich, England).

STATE OF ILLINOIS

COUNTY OF SANGAMON

)  
)  
)  
)  
)

**CERTIFICATE OF SERVICE**

I, the undersigned attorney at law, hereby certify that I have served on the date of January 8, 2020, the attached **NOTICE, 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:

Jeff Johnson  
21275 Hillcrest Road  
Greenfield, Illinois 62044

**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/ Michael S. Roubitchek  
Assistant Counsel  
Division of Legal Counsel  
1021 North Grand Avenue East  
P.O. Box 19276  
Springfield, Illinois 62794-9276  
217.782.5544  
217.782.9143 (TDD)

**THIS FILING IS SUBMITTED ON RECYCLED PAPER**