

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

Flikkema Farms)
(Property Identification Number) PCB 17-
04-04-22-100-001) (Tax Certification)
)

NOTICE


Steve Santarelli
Illinois Department of Revenue
101 West Jefferson
Post Office Box 19033
Springfield, Illinois 62794

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

Chris Flikkema
19949 Townhall Road
Lanark, IL 61046

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, a copy of which is herewith served upon you.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

By: 
Vera Herst
Assistant Counsel
Division of Legal Counsel

DATED: June 27, 2017

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

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

Flikkema Farms
(Property Identification Number
04-04-22-100-001)

)
) PCB 17-
) (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: _____

Vera Herst
Vera Herst
Assistant Counsel
Division of Legal Counsel

DATED: June 27, 2017

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

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

Flikkema Farms)
(Property Identification Number) PCB 17-
04-04-22-100-001)) (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 January 12, 2017, the Illinois EPA received a request from Flikkema Farms (log number TC-137383, 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:

Flikkema Farms
19949 Townhall Rd.
Lanark, Illinois 61046

The proposed water pollution control facilities in this request are located at Section 21, T25N, R5E of the 4th PM in Carroll County, and consist of the following:

Livestock waste handling facilities consisting of a concrete pit (approximately 48 ft. x 192 ft. x 12 ft. deep), a PVC perimeter tile drain (4 in. diameter and approximately 480 ft. in length), and slotted floors over the pit.

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 (2016), 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 (2016), pollution control facilities must be certified as such by the Board, 35 ILCS 200/11-20 (2016) 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: 
Vera Herst
Assistant Counsel
Division of Legal Counsel

Dated: June 27, 2017

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
BRUCE RAUNER, GOVERNOR ALEC MESSINA, ACTING DIRECTOR

Memorandum

To: Charles Gunnarson, Division of Legal Counsel

From: Al Keller, Manager, Permit Section

Date: June 15, 2017

Re: Flikkema Farms
Attn: Chris Flikkema
19949 Townhall Road
Lanark, IL 61046
Recommendation of Tax Certification
Log # TC-137383
Property ID # 04-04-22-100-001

The Bureau of Water received a request on January 12, 2017 from Flikkema Farms 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:

Flikkema Farms
19949 Townhall Road
Lanark, IL 61046

Section 21, T25N, R5E of the 4th PM in Carroll County

Livestock waste management facilities consist of a concrete pit (approximately 48 ft. x 192 ft. x 12 ft. deep), a PVC perimeter tile drain (4 in. diameter and approximately 480 ft. in length), and slotted floors over the pit. These livestock waste management facilities are used to collect, transport, and/or store livestock waste prior to cropland application.

These facilities are 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 Jenny Larsen at 217/782-0610.

SAK:JML:Tax Certs\Livestock\TC-137383.docx

cc: Tax Cert File

Watershed Unit Tax Certification Review Sheet

Project Name: Flikkema Farms

Location: Lanark, IL

Reviewer: Jenny Larsen

Date: 02/01/2017

Log number: TC-137383

Type: Agchem
 Livestock

Applicant:

Chris Flikkema
19949 Townhall Road
Lanark, IL 61046

Contact: Chris Flikkema

Phone: (815)541-3600

Facility:

19949 Townhall Road
Lanark, IL 61046

Property ID: 04-04-22-100-001

County: Carroll

Legal Description:

S: 21 T: 25N R: 5E PM: 4th

Signature: Chris Flikkema

Title: Partner

Date Control Devices installed: 10/31/15

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

Physical Description of Pollution Control Devices:

This facility consists of a concrete manure pit (approximately 48 ft. x 192 ft. x 12 ft. deep described in the application submitted on Jan. 12, 2017 under Sec. D), a PVC perimeter tile drain (4 in. diameter and approximately 480 ft. long described on Sheet No. 2 of the submitted plan sheets that were part of original application submitted on Jan. 12, 2017) and slotted floors over the pit (indicated on application submitted on Jan. 12, 2017) to collect swine waste. The monitoring port indicated on submitted plan sheets was withdrawn by Chris Flikkema on June 4, 2017 per attached email. The building over the pit was withdrawn by Chris Flikkema on June 4, 2017 per attached email. The manure is pumped out of the pits and applied to the fields as crop fertilizer. The manure flow diagram was submitted by Chris Flikkema on June 4, 2017 attached email.

The primary purpose for these structures is to contain livestock waste thereby preventing contaminated water runoff.

Recommended Action: Permit the above mentioned structures.

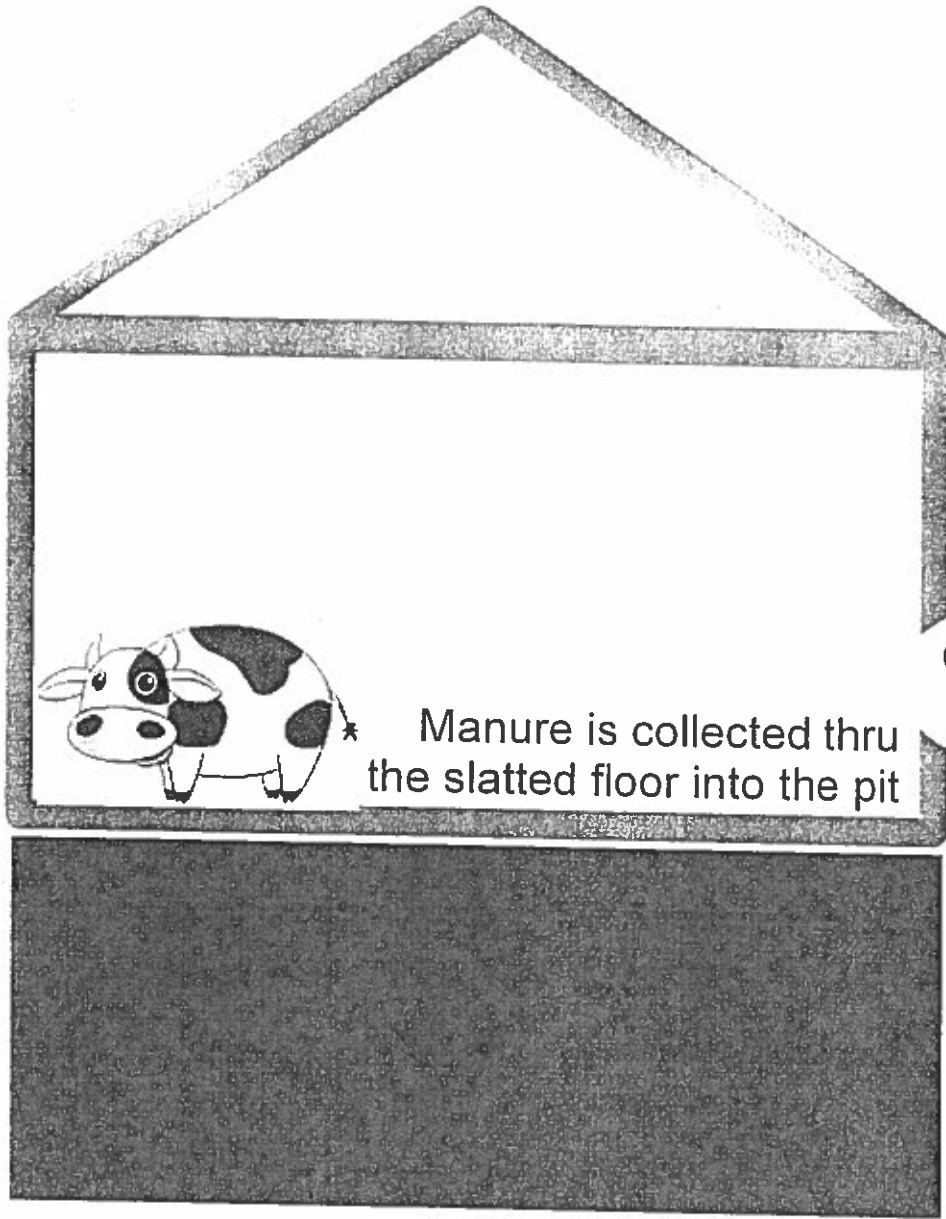
Larsen, Jenny

From: Chris Flikkema <cflikk@gmail.com>
Sent: Sunday, June 04, 2017 8:51 PM
To: Larsen, Jenny
Subject: [External] Cattle building information
Attachments: Cattle flow chart.pdf

Hi Jenny I was just writing to confirm per our conversation that we wish to withdraw the building and drain/ inspection tube from any consideration for our application.

Also attached is a flow document showing how the manure waste is collected from the animal thru the slatted floor into the pit until it is applied to our crop ground.

Please let me know if there are any questions
Thanks again,
Chris Flikkema



Manure is collected thru the slatted floor into the pit

Collected manure is applied to fields

Larsen, Jenny

From: Chris Flikkema <cflikk@gmail.com>
Sent: Friday, February 03, 2017 11:24 AM
To: Larsen, Jenny
Subject: [External] Facility Information

Hi Jenny.

Following our conversation earlier I am writing to confirm that we are seeking the tax waiver on the manure pit structure, the perimeter tile, and the slatted floor. Thank you. If there are any other questions please feel free to call or email.

Thank you.
Chris Flikkema

JmL

TC-137383

APPLICATION FOR CERTIFICATION (PROPERTY TAX TREATMENT)
 POLLUTION CONTROL FACILITY
 AIR WATER


ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
 P. O. Box 19276, Springfield, IL 62794-9276

This Agency is authorized to request this information under Illinois Revised Statutes, 1979, Chapter, 120, Section 502a-5. Disclosure of this information is voluntary. However, failure to comply could prevent your application from being processed or could result in denial of your application for certification.

FOR AGENCY USE					
File No	Date Received	Certification No	Date		
Sec. A APPLICANT	Company Name Flikkema Farms				
	Person Authorized to Receive Certification Chris Flikkema		Person to Contact for Additional Details Same		
	Street Address 19949 Townhall Rd		Street Address		
	Municipality, State & Zip Code Lanark, IL 61046		Municipality, State & Zip Code		
	Telephone Number (815) 541-3600		Telephone Number		
	Location of Facility Quarter Section SE 21		Range 5E	Municipality Lanark	Township 25N
	Street Address 19949 Townhall RD		County Carroll	Book Number	
	Property Identification Number 04-04-22-100-001		Parcel Number 04-000-128-00		
	Sec. B MANUFACTURING OPERATIONS	Nature of Operations Conducted at the Above Location 400 head cattle finishing building on concrete slatted floors			
		Water Pollution Control Construction Permit No.		Date Issued	
NPDES PERMIT No.		Date Issued	Expiration Date		
Air Pollution Control Construction Permit No.		Date Issued			
Air Pollution Control Operating Permit No.		Date Issued			
Sec. C MANUFACTURING PROCESS	Describe Unit Process				
	Materials Used in Process				
Sec. D POLLUTION CONTROL FACILITY DESCRIPTION	Describe Pollution Abatement Control Facility Manure structure that includes a 12 feet deep concrete pit with dimensions of 48 feet by 192 feet with concrete slatted floor.				

JAN 12 2017

POLLUTION CONTROL FACILITY - CONTAMINANTS ACCOUNTING DATA	(1) Nature of Contaminants or Pollutants Cattle manure		
	Contaminant or Pollutant		Material Retained, Captured or Recovered
			DESCRIPTION
	Liquid cattle manure		DISPOSAL OR USE
			from finishing cattle
			land applied to adjacent fields
	(2) Point(s) of Waste Water Discharge		
		Plans and Specifications Attached	
		Yes <input checked="" type="checkbox"/>	
		No <input type="checkbox"/>	
(3)	Are contaminants (or residues) collected by the control facility?		
	Yes <input checked="" type="checkbox"/>		
	No <input type="checkbox"/>		
(4)	Date installation completed <u>10/31/15</u> status of installation on date of application _____		
(5)	a. FAIR CASH VALUE IF CONSIDERED REAL PROPERTY:	\$ 550,000.00	
	b. NET SALVAGE VALUE IF CONSIDERED REAL PROPERTY:	\$ 230,000.00	
	c. PRODUCTIVE GROSS ANNUAL INCOME OF CONTROL FACILITY:	\$ <u>Varies</u>	
	d. PRODUCTIVE NET ANNUAL INCOME OF CONTROL FACILITY:	\$ <u>Varies</u>	
	e. PERCENTAGE CONTROL FACILITY BEARS TO WHOLE FACILITY VALUE:	% 80	

SIGNATURE	Sec. F 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. The facilities claimed herein are "pollution control facilities" as defined in Section 11-10 of the Illinois Property Tax Code.  _____ Partner Signature Title
-----------	---

INSTRUCTIONS	INSTRUCTIONS FOR COMPILING AND FILING APPLICATION		
	General: Separate applications must be completed for each control facility claimed. Do not mix types (water and air). Where both air and water operations are related, file two applications. If attachments are needed, record them consecutively on an index sheet.		
Sec. A	Information refers to applicant as listed in the tax records and the person to be contacted for further details or for inspection of facilities. Define facility location by street address or legal description. A plat map location is required for facilities located outside of municipal boundaries. The property identification number is required.		
Sec. B	Self-explanatory. Submit copies of all permits issued by local pollution control agencies. (e.g. MSD Construction Permit)		
Sec. C	Refers to manufacturing processes or materials on which pollution control facility is used.		
Sec. D	Narrative description of the pollution control facility, indicating that its primary purpose is to eliminate, prevent or reduce pollution. State the type of control facility. State permit number, date, and agency issuing permit. A narrative description and a process flow diagram describing the <u>pollution control facility</u> . Include a listing of each major piece of equipment included in the claimed fair cash value for real property. Include an <u>average</u> analysis of the influent and effluent of the control facility stating the collection efficiency.		
Sec. E	List air contaminants, or water pollution substances released as effluents to the manufacturing processes. List also the final disposal of any contaminants removed from the manufacturing processes. Item (1) - Refers to pollutants and contaminants removed from the process by the pollution control facility. Item (2) - Refers to water pollution but can apply to water-carried wastes from air pollution control facilities. 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. Item (3) - If the collected contaminants are disposed of other than as wastes, state the disposition of the materials, and the value in dollars reclaimed by sale or reuse of the collected substances. State the cost of reclamation and related expense. Item (4) - State the date which the pollution control facility was first placed in service and operated. If not, explain. Item (5) - This information is essential to the certification and assessment actions. This accounting data must be completed to activate project review prior to certification by this Agency.		
Sec. F	Self-explanatory. Signature must be a corporate authorized signature.		
	Submit to:	Attention:	Attention:
	Illinois EPA P.O. Box 19276 Springfield, IL 62794-9276	Al Keller Permit Section Division of Water Pollution Control	Donald E. Sutton Permit Section Division of Air Pollution Control

RECEIVED
JAN 12 2017

Electronic Filing: Received, Clerk's Office 6/27/2017 ** PCB 2017-085

PROPOSED SLATTED FLOOR CONFINEMENT BUILDING FLIKKEMA FARMS SE 1/4 SECTION 21, T25N R5E, 4TH P.M.

SHEET INDEX

DESCRIPTION	SHEET NO.
COVER SHEET AND LOCATION MAP	1
SLATTED FLOOR BARN SITE DESIGN	2
PLAN VIEW OF SLATTED FLOOR CONFINEMENT BUILDING	3
CONCRETE DETAILS	4
CONCRETE AND PERIMETER DRAIN DETAILS	5
BEAM AND SLAT DETAILS	6



PROJECT LOCATION MAP

GENERAL NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE DATE OF ACCEPTANCE OF THIS GUARANTEE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR 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 CLAIMS ARISING OUT OF THE PERFORMANCE OF SAID WORK, AND FURTHER AGREES TO DEFEND AND PAY ALL LEGAL FEES ARISING OUT OF THE DEFENSE OF SAID PARTIES. ALL WORK SHALL BE IN ACCORDANCE WITH THE LINES AND GRADES SHOWN ON THE PLANS AND SHALL BE KEPT OPEN TO THE PUBLIC AT ALL TIMES. THE CONTRACTOR SHALL RESTORE THE SITE TO ORIGINAL CONDITION OR BETTER. ALL FIELD TIES SHALL BE SHOWN WITHIN 50 FEET OF THE EXISTING SIZE, LOCATION, AND DEPTH BY CONTRACTOR AND SHALL BE NOTIFIED IMMEDIATELY. IF MORE THAN 1 ACRE OF LAND AREA IS TO BE DISTURBED AS PART OF THE CONSTRUCTION OF THE PROPOSED UTILITIES, CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING A NOTICE OF INTENT TO CONSTRUCT FOR GENERAL PERMIT TO DISBURSE STORM WATER ASSOCIATED WITH CONSTRUCTION SITE ACTIVITIES FROM 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, DULLES, PIPES, AND ADJACENT ROADWAYS SHALL BE KEPT FREE AND CLEAN OF DEBRIS AND OBSTRUCTIONS AT ALL TIMES. THE CONTRACTOR SHALL MAINTAIN AND RESTORE ADJACENT PROPERTY IF DEBRIS IS DEPOSITED ON ADJACENT PROPERTIES, REPAIR 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 RESPREAD THROUGH THE SITE AND BE REGRADED AND RESTORED TO ORIGINAL 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 LOCAL DATUM. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ANY EXISTING UTILITIES PRIOR TO EXCAVATION AND SHALL HAND LOG AS NECESSARY. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND OBTAINING LOCATION OF EXISTING UTILITIES.

LEGEND

	EDGE OF BUILDING
	PROPOSED GRAVEL ROADWAY
	PERIMETER DRAIN TILE
	ROADWAY CENTERLINE

JAN 12 2017
 COUNTY CLERK'S OFFICE

REVISIONS				DRAWN M.L.W.	 	WAGNER CONSULTING & AGRICULTURE 709 WEST OAK STREET LENA, ILLINOIS, 61048 815-275-7642 WAGNERCONSULTAG@a.MEDIACOMBI.NET	CONTACT JULIE AT 811 OR 800-897 0123 (with the following) County _____ City/Township _____ Sec & T & R _____ 31-42,9312 working days OFFICE	FLIKKEMA FARMS 19949 TOWNHALL ROAD LANARK, ILLINOIS 61046	PROJECT NO. 7W15 DATE 06/17/15 SHEET NO. 1 OF 161 SHEETS
NO.	DATE	BY	REMARKS						
								COVER SHEET AND LOCATION MAP	

Electronic Filing: Received, Clerk's Office 6/27/2017 *** PCB 2017-085 ***

NOTES: OWNER SHALL BE RESPONSIBLE FOR DETERMINING THE GRAVEL ROADWAY ALIGNMENT.

4" SOLID WALL DRAIN TILE - 86 L.F./ DISCHARGE TO DAYLIGHT

BENCHMARK: PK NAIL ON WEST SIDE OF TOWNHALL ROAD @ CENTER OF DRIVEWAY APPROACH - ELEV. 919.0

4" PERFORATED DRAIN TILE AROUND COMPLETE EXTERIOR OF BUILDING

DRAINAGE COLLECTION POINT INDICATED BY PVC 80R 35 PIPE TO BE INSTALLED BY LABOR ON TOP

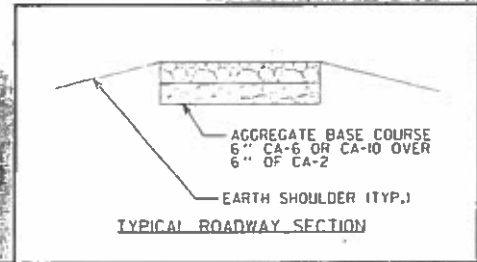
TOWNHALL ROAD

PROPOSED SLATTED FLOOR CONFINEMENT BUILDING (65' X 192') TOP OF SLATS = 923.7

SPECIFICATIONS

- 1. PERFORATED DRAIN TILE
PERFORATED DRAIN TILE SHALL BE 4" DIAMETER, 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 TILE.
- 3. 4" SOLID WALL DRAIN TILE
SOLID WALL DRAIN TILE SHALL BE 4" DIAMETER, CONFORM TO AASHTO M-294 AND M-252 AND ASTM F-405 AND F-667.

GRAVEL ROADWAY



REVISIONS		DATE	BY	REMARKS

DRAWN: M.L.W.
 CHECKED: [Signature]
 A.A.W.
 APPROVED: [Signature]
 M.L.W.

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

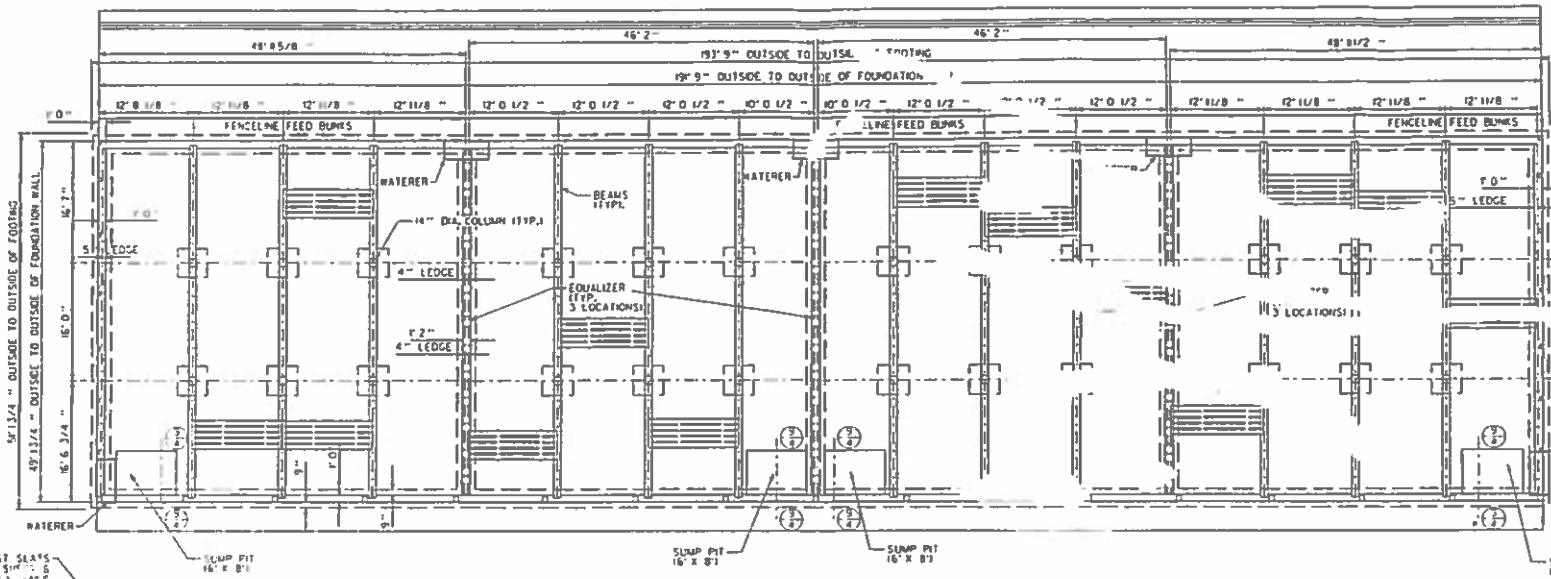
CONTACT JULIE AT 815 OR 300-892-6123
 With the following:

 Job No. _____
 City/Township _____
 Sec & 1/4 Sec No. _____
 (815) 402-7400 / 1-800-345-8899

PROJECT NO. 7W15
 DATE 06/19/15
 SHEET NO. 2 OF 161 SHEETS

FLIKKEMA FARMS
 19949 TOWNHALL ROAD
 LANARK, ILLINOIS, 61046

SLATTED FLOOR BARN SITE DESIGN



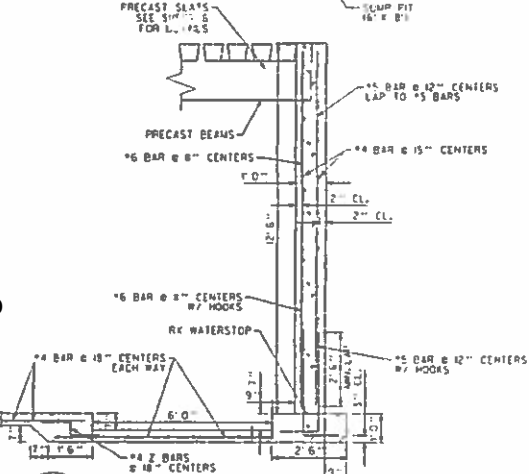
Handwritten signature and date: 6/17/15, CR 11/3/16

1 PLAN VIEW OF CONCRETE MANURE STORAGE
 3 SCALE 1/16" = 1' (11" X 17")

GENERAL NOTES

All precast slabs and plants shall be designed by the precaster in accordance with MPPS-36 by Midwest Plan Service, Iowa State University.
 Design in accordance with ACI 318-11
 Design Criteria
 Concrete
 f'c = 4000 psi in 28 days
 Slump 3" to 5" max.
 Water-cement ratio 0.50 max. (including moisture held in aggregate)
 Add 4.5 to 7.5% entrained air to all concrete exposed to weather
 Reinforcing Steel
 Fy = 60 ksi
 Design loads in accordance with MPPS-36 by Midwest Plan Service, Iowa State University.
 All reinforcement shall be placed, tied, and properly supported, prior to placement of concrete.
 Safely reinforcing a minimum of 30 bar diameters unless otherwise noted on drawings.
 The drawings represent the finished structure. Unless noted otherwise, they do not indicate the means or methods of construction.
 Details and notes on the drawings are intended to be typical for similar situations elsewhere.
 The Engineer is not responsible for any deviations from these plans unless such changes are authorized in writing by the Engineer.
 All soil supported footings shall be founded upon undisturbed, natural subgrade or underlaid and placed on compacted aggregate, with a minimum allowable bearing capacity of 3,000 psf.

The soil subgrade for all footings and slabs shall be inspected and approved by a qualified geotechnical engineer, immediately prior to placing foundation concrete.
 All footing subgrades and all slab subgrades shall be compacted to 98% of maximum density of optimum moisture content based on laboratory designation ASTM D698 for standard proctor dry density.
 All organic and/or other unsuitable materials shall be removed from subgrade and backfill areas and backfilled with acceptable fill, compacted to 95% of modified proctor density. Fill shall be placed in lifts not to exceed 10 inches in base thickness. Cohesive soils used as fill shall be compacted to 80% of maximum density and placed in lifts not to exceed 8 inches. Other acceptable methods are listed on the cover sheet of the plans.
 No mud slabs, footings or slabs shall be placed into or against subgrade containing free water.
 All slab and footing mud stops shall be thoroughly cleaned immediately prior to the foundation concrete placement.
 Proof roll all building areas prior to placing base.
 Notify Engineer of unexpected sub-surface conditions immediately and discontinue affected work in area until notified to resume work by Engineer.
 Correct over excavated areas with coarse aggregate, backfill and compact to 98%.
 Earth berms are not permitted.
 Backfill shall be granular and free draining, meeting the gradations of CA-2, CA-6, CA-7 or CA-10.
 Backfill only after precast slabs and plants are placed.
 All cold joints or areas of two different pours where manure may contact concrete shall be waterstopped as noted on the plans.
 Beams and slabs shall be bulled and grouted tight.
 Pipe penetrations shall not be located in the wall or floor of the proposed freestack waste handling facility.
 Waterstop shall be installed in accordance with manufacturer's instructions.



2 SUMP PIT DETAIL
 3 SCALE 1/4" = 1' (11" X 17")

REVISIONS			
NO.	DATE	BY	REMARKS

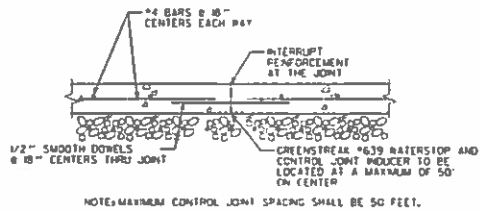
DRAWN BY: M.L.W.
 CHECKED BY: A.A.W.
 APPROVED BY: M.L.W.

WAGNER CONSULTING & AGRICULTURE
 709 WEST OAK STREET
 LENOX, ILLINOIS, 61048
 815-275-7642
 WAGNERCONSULTING@MEDIALCOMMUNIT

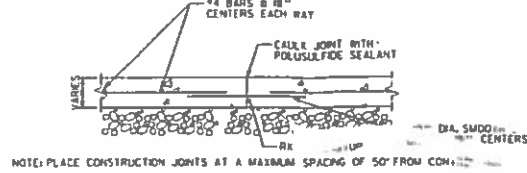
CONTACT JULIE AT 815 OR 602 652 0123
 WITH THE FOLLOWING:

 County: Champaign
 City: Urbana
 St: 614 St: No
 22-CAS12 (working days) 8:00AM-5:00PM

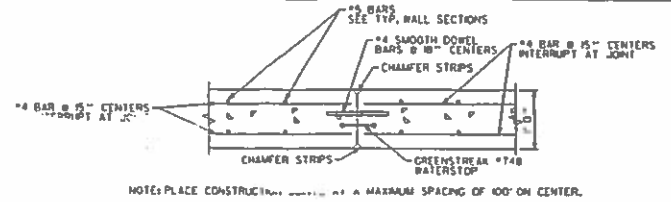
PROJECT NO. 7W15
 DATE 06-19-15
 SHEET NO. 3
 OF 161 SHEETS
 FLIKKEMA FARMS
 19949 TOWNHALL ROAD
 LANARK, ILLINOIS 61046
 PLAN VIEW OF SLATTED FLOOR CONFINEMENT BUILDING



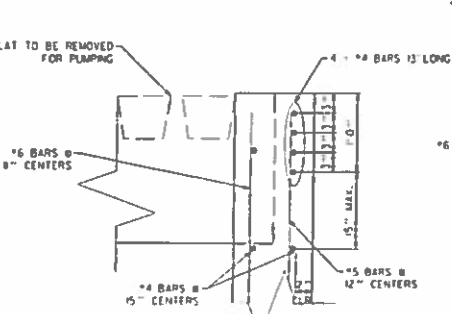
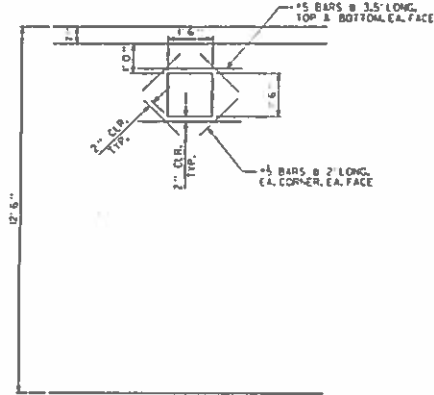
1 TYP. SLAB CONTROL JOINT DETAIL
4 SCALE 1/2" = 1' (11" X 17")



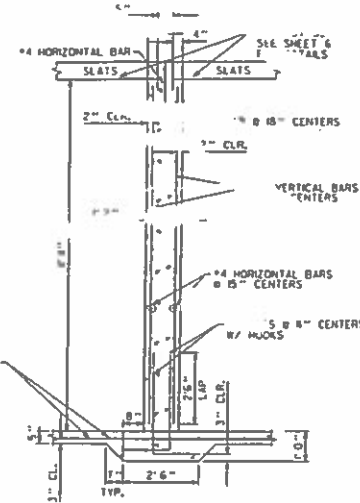
2 TYP. SLAB CONTROL JOINT DETAIL
4 SCALE 1/2" = 1' (11" X 17")



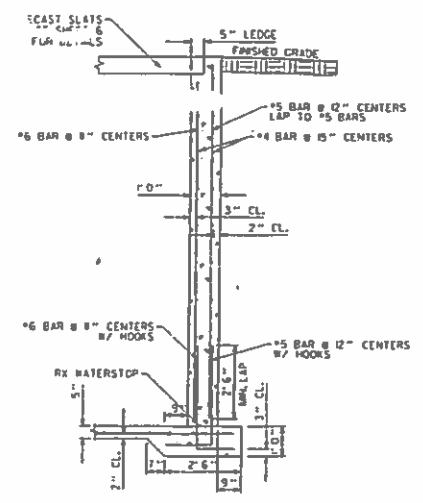
3 TYP. WALL CONTROL/CONSTRUCTION JOINT DETAIL
4 SCALE 1/2" = 1' (11" X 17")



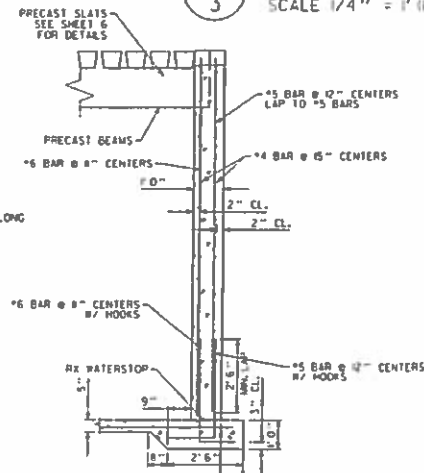
5 BEAM POCKET DETAIL
3 SCALE 1/4" = 1' (11" X 17")



6 CENTER WALL DETAIL
4 SCALE 1/4" = 1' (11" X 17")



7 END WALL DETAIL (EAST-WEST)
4 SCALE 1/4" = 1' (11" X 17")



8 END WALL DETAIL (NORTH-SOUTH)
4 SCALE 1/4" = 1' (11" X 17")

9 TOP OF WALL REINFORCEMENT AT SUMP PITS
4 SCALE 1/4" = 1' (11" X 17")

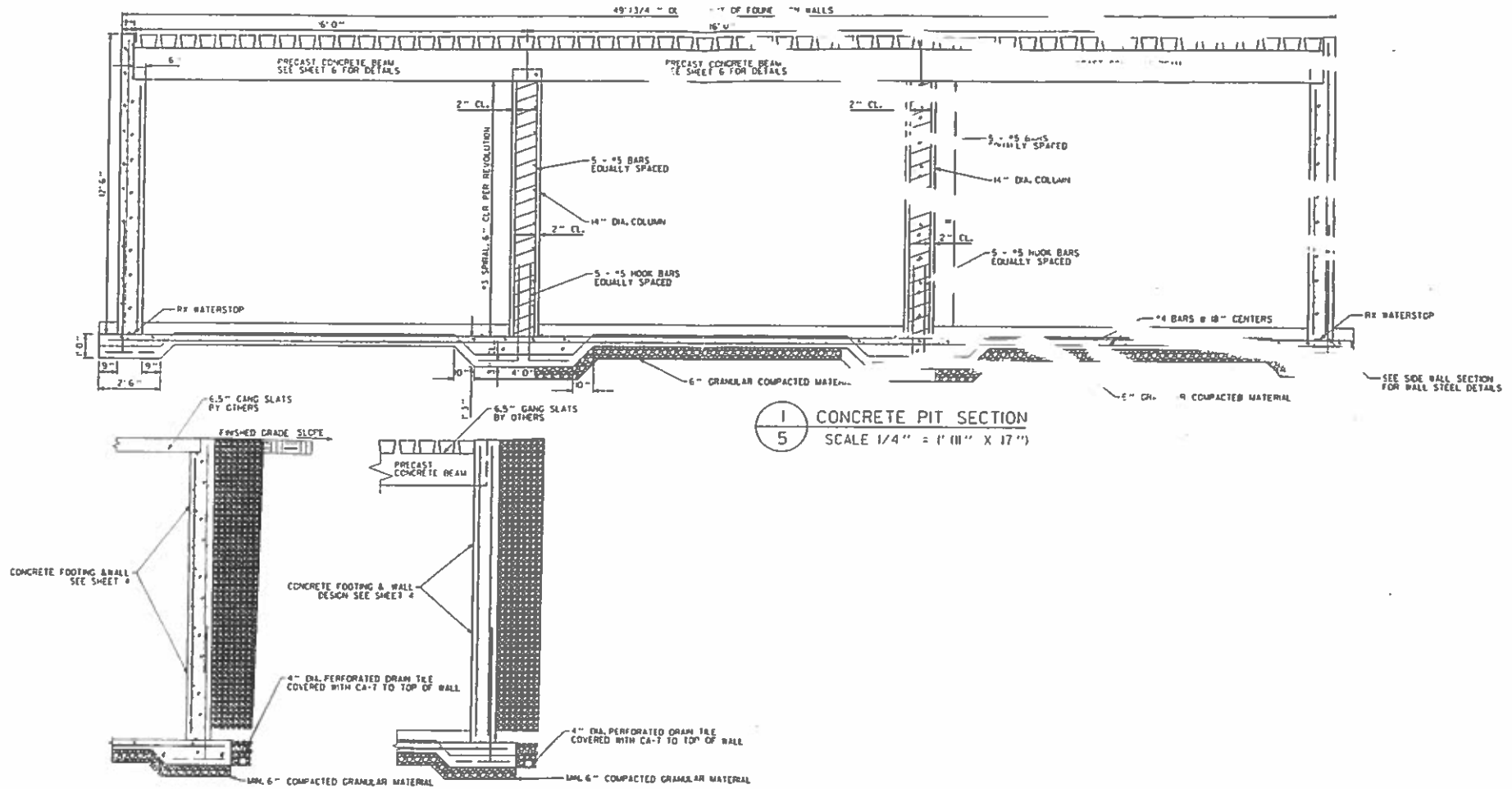
REVISIONS			
NO.	DATE	BY	REMARKS

DRAWN: M.L.W.
 CHECKED: M.L.W.
 APPROVED: M.L.W.

WAGNER CONSULTING & AGRICULTURE
 1100 WEST OAK STREET
 TUNA, ILLINOIS, 61048
 815-275-7642
 WAGNERCONSULTAGW/MEDIACOMBB.NET

CONTACT JULIE AT 811 OR 800-632-6123
 With the following:
 County: _____
 City/Township: _____
 Sec & 1/4 Sec No: _____
 48 HOURS (7 working days) BEFORE YOU DIG

PROJECT NO. 7W15
 DATE 06/19/15
 SHEET NO. 4
 OF 161 SHEETS
 CONCRETE DETAILS



1 CONCRETE PIT SECTION
5 SCALE 1/4" = 1' (11" X 17")

2 PERIMETER DRAIN AT (EAST-WEST)
5 SCALE 1/4" = 1' (11" X 17")

3 PERIMETER DRAIN AT (NORTH-SOUTH)
5 SCALE 1/4" = 1' (11" X 17")

REVISIONS			
NO.	DATE	BY	REMARKS

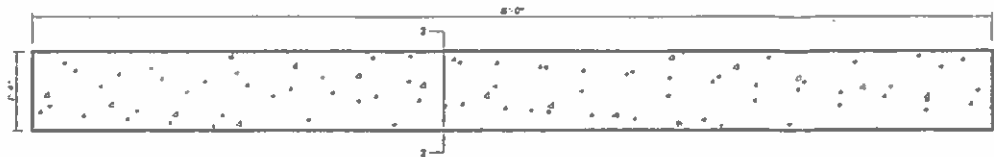
DRAWN
M.L.W.
 CHECKED
A.A.W.
 APPROVED
M.L.W.

WAGNER CONSULTING & AGRICULTURE
 700 WEST OAK STREET
 LENA, ILLINOIS, 61048
 815-275-7642
 WAGNERCONSULTING@MEDIACOMBI.NET

CONTACT JULIE AT 811 OR 800 832-0123
 With the following:
 County _____
 City/Township _____
 Sec & 1/4 Sec No _____
 48 HOURS (1 working day) BEFORE YOU DIG

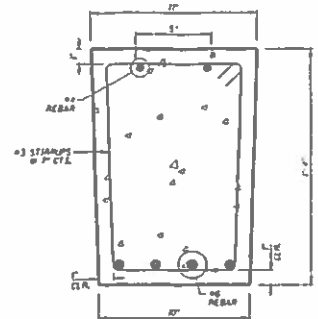
FLIKKEMA FARMS
 19949 TOWNHALL ROAD
 LANARK, ILLINOIS, 61046

PROJECT NO. 71115
DATE 06/19/15
SHEET NO. 5
OF 161 SHEETS

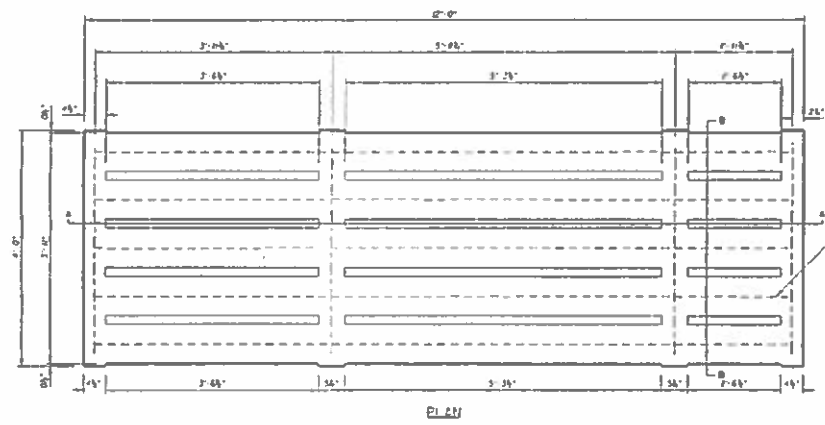


- 1. BOTTOM LAYER = 4 - #8 BARS
- 2. TOP LAYER = 2 - #4 BARS
- 3. TYPING = #3 BARS @ 12" O.C.
- 4. ALL CHAIR @ 12" = #10000 PB
- 5. CONCRETE @ 4" = 10000 PB @ 28 DAYS
- 6. W.C. = CUSTOM PRECAST

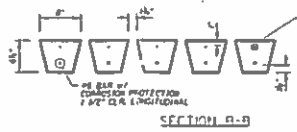
1 BEAM ELEVATION
6 SCALE 1/2" = 1' (11" X 17")



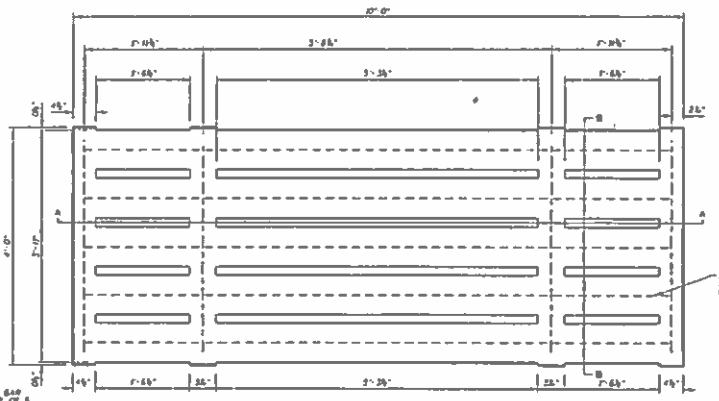
2 BEAM SECTION
6 SCALE 1/2" = 1' (11" X 17")



- 1 - #6 BAR, TOP -
- 1 - #6 BAR, BOTTOM (CONCRETE) AND TYPICAL OF 3
- f₁ = #200 PB (28 DAYS)
- f₂ = #8000 PB (REINFORCEMENT BARS)
- f₃ = #8000 PB (28-DAYS)
- LOADS = 81 and 0R 32 of
- USE = 220 SF
- W = 0/2 = 250/2 = 125 SF CONTROLS
- 3" MIN. BEARING LENGTH AT EACH END FOR THE FULL WIDTH OF THE SLAT
- W.C. = CUSTOM PRECAST



3 12' SLAT DETAIL
6 SCALE 1/2" = 1' (11" X 17")



- 1 - #6 BAR, TOP -
- 1 - #6 BAR, BOTTOM (CONCRETE) AND TYPICAL OF 3

4 10' SLAT DETAIL
6 SCALE 1/2" = 1' (11" X 17")

THIS IS TO CERTIFY THAT THE PRECAST BEAMS AND SLATS DESCRIBED ABOVE WILL SUPPORT THE DESIGN LOADS LISTED AND THAT THE DRAIN OF THE INDICATORS AT LEAST AS PROTECTIVE OF THE GROUNDWATER, SURFACE WATER AND STRUCTURAL INTEGRITY OF THE LIVESTOCK WASTE MANAGEMENT FACILITY AS THE STATED REQUIREMENTS.



REVISIONS				DATE	BY	REMARKS

DRAWN M.L.W. CHECKED M.L.W. APPROVED M.L.W.		WAGNER CONSULTING & AGRICULTURE 704 WEST OAK STREET UENA, ILLINOIS, 61048 815-275-7642 WAGNERCONSULTING&MEDIASOLUTIONS.NET	CONTACT JULIE AT 811 OR 620 632 0123 With the following County _____ City/Township _____ Sec 8 1 & 2 Sec 12 6/20/2018 12:00 pm days BEFORE 6/20/18	FLIKKEMA FARMS 19949 TOWNHALL ROAD LANARK, ILLINOIS, 61046	PROJECT NO. 2W15 DATE 06/19/15 SHEET NO. 6 OF (61) SHEETS
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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 June 27, 2017, 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:

Steve Santarelli
Illinois Department of Revenue
101 West Jefferson
P.O. Box 19033
Springfield, Illinois 62794

Chris Flikkema
19949 Townhall Road
Lanark, IL 61046

[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/ Vera Herst
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)