

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

Clark Farms Rossville)
(Property Identification Number) **PCB 20-**
07-08-400-002)) **(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.

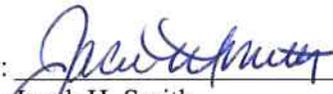
John & Carol Clark
5586 E. 3550 N. Road
Rossville, Illinois 60963

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: March 4, 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

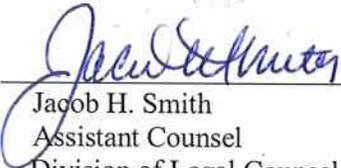
Clark Farms Rossville)
(Property Identification Number) **PCB 20-**
07-08-400-002)) **(Tax Certification)**
)

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: March 4, 2020

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

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BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

Clark Farms Rossville)
(Property Identification Number) **PCB 20-**
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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 November 5, 2019, the Illinois EPA received a request from John Clark (log number TC-141950, 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: Clark Farms Rossville
5586 E. 3550 N. Road
Rossville, IL 60963

The proposed water pollution control facility in this request is located in the SE ¼ of Section 8, T22N, R13W of the 2nd P.M. in Vermilion County, at the above street address and consist of the following facilities:

Two (2) concrete manure pits (approximately 102 ft. x 341 ft. x 8 ft. each), the concrete slatted portion of the floor over the manure pit that capture and contain waste generated in the barns above, twenty-four (24) pump out pits (approximately 6 ft. x 5 ft. x 8 ft. each) to allow manure removal from the manure pit, and Form-A-Drain perimeter drainage tiles (approximately 2,052 ft. x 6 in. x 2 in.) located around the footing of the manure pits to prevent flotation of the pits.

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: March 4, 2020

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: January 21, 2020

Re: Clark Farms Rossville – Rossville
Recommendation of Tax Certification
Log# TC-141950
Property Index# 07-08-400-002

The Bureau of Water received a request on November 5, 2019 from John Clark 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:

Clark Farms Rossville
5586 E. 3550 N. Rd.
Rossville, IL 60963

SE ¼ of Section 8, T22N, R13W of the 2nd PM in Vermilion County

The livestock waste handling facilities consisting of two (2) concrete manure pits (approximately 102 ft. x 341 ft. x 8 ft. each), the concrete slatted portion of the floor over the manure pits that capture and contain waste generated in the barns above, a total of twenty four (24) pumpout pits (approximately 6 ft. x 5 ft. x 8 ft. each) to allow manure removal from the manure pits, and Form-A-Drain perimeter drainage tiles (approximately 2,052 ft. x 6 in. x 2 in.) 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.

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: Clark Farms Rossville

Date: January 7, 2020

Reviewer: WH

Type: Agchem
 Livestock

Log number: TC-141950

Applicant: John & Carol Clark
5586 E. 3550 N Rd.
Rossville, IL 60963

Contact: Carl Clark
36460 N 370 E Rd.
Rankin, IL 60960

Phone: 217-304-3152

Facility: Clark Farms Rossville
5586 E. 3550 N Rd.
Rossville, IL 60963

Property Index#: 07-08-400-002

Parcel#:

Legal Description:

SE of Section: 8 Twp: 22N R: 13W PM: 2nd

County: Vermilion

Signature: John William Clark

Date Control Devices installed: April 2017

Title: Owner

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:

The livestock waste handling facilities consist of two (2) concrete manure pits (approximately 101 ft. x 340 ft. x 8 ft. each) and the concrete slatted portion of the floor over the manure pits that capture and contain waste generated in the barns above. The concrete manure pits have twenty four (24) pumpout pits (5 ft. x 6 ft. x 8 ft. each) to allow manure removal from the manure pits. Form-A-Drain perimeter drainage tiles (approximately 2,052 ft. x 6 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 C of the application form and the attached drawings.

Three (3) concrete manure pits; (101 ft. x 340 ft. x 8 ft.)

Concrete slatted floor at all pits;

Pumpout pits attached to the manure pit, 24 x 6 ft. x 5 ft. x 8 ft.

Perimeter drainage tiles at all pit: Form-A-Drain 2,052 ft. x 6 in x 2 in. (email of 01/07/2020)

A process flow diagram and a plan view of the pit is submitted with the application.

Recommended Action: Issue tax certification.

Han, Wei

From: Carl Clark <cwclark32@yahoo.com>
Sent: Tuesday, January 7, 2020 12:53 PM
To: Han, Wei
Subject: [External] Re: TC-141950 Clark Farms Roseville

Thank you for your correspondence. We used Form a drain product by Certainteed. It was of the 6" Size which equates to a dimension of 6" tall by 2" Wide rectangular. There would be around the perimeter of the manure pits. There would be a lineal distance of 1026' around each barn for a total of 2052' for the site. That length is a computation of the width of the building by the length of the building plus the 12' of additional drain around each of the 12 pump outs. Therefore $100 + 341 + 144 + 341 + 100$ is 1026' and 2 barns is 2052'. I have attached a link to a reference guide to describe the product further if you are not.

<https://www.certainteed.com/resources/FAD%20Install%20Guide%20Canada%2040-01-01.pdf>

If you have any other questions or need any additional information please request. I will try to be as prompt as possible to ensure your work can be timely.

Thank you
Carl Clark
217 304 3152

On Tuesday, January 7, 2020, 11:54:11 AM CST, Han, Wei <wei.han@illinois.gov> wrote:

Mr. Clark,

I am the reviewer of the subject tax certification application. The perimeter drainage tile around the two manure pits are eligible for certification. Should you want to include the perimeter drainage tiles in the certification, please let me know the material (HDPE, plastics, or ceramic), diameter, and total length of the pipes.

Please let me know if you have any other questions. Thanks,

Wei Han, P.E.

Illinois Environmental Protection Agency

BOW/DWPC/Permit Section

1021 North Grand Avenue E.

P.O. Box 19276

Springfield, IL 62794-9276

Phone: 217-524-3034



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.

RECEIVED
NOV 05 2019

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

IEPA
BOW/WPC/PERMIT SECTION

I. Applicant Information:

Company Name: <u>Clark Farms Rossville</u>	Person to Contact for Additional Details <u>Carl Clark</u>
Person Authorized to Receive Certification <u>John & Carol Clark</u>	Street Address: <u>36460 N 370 E RD</u>
Street Address: <u>5586 E 3550 N RD</u>	City: <u>Rankin</u> State: <u>IL</u>
City: <u>Rossville</u> State: <u>IL</u>	Zip: <u>60960</u> Phone: <u>217-304-3152</u>
Zip: <u>60963</u> Phone: <u>217-304-4864</u>	Email Address: <u>cwclark32@yahoo.com</u>
Email Address: <u>cwclark32@yahoo.com</u>	

II. Facility Information:

Facility Location: Quarter Section: SE 8 Township: 22N Range: 13W
 Municipality: Rossville Township: Butler

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

Address: 5586 E 3550 N RD City: Rossville
 State: IL Zip Code: 60963 County: Vermilion Book Number: _____

Property Index Number: 07-08-400-002

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:

Swine Wean to finish operation

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:

Handling liquid swine manure in two separate holding areas

Materials Used in the Process:

Concrete

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):

101' x 340' x 8' covered with slats

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

Handling swine manure

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).

N/A

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
Manure	Injection	Cropland Injection

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: Apr 17, 2017

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

April 17, 2017

Status of installation on date of application:

Complete

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))

John William Clark / Carol Clark	Landowners
Printed Name: Carl Clark	Title: Facility owner

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

John William Clark / Carol Clark	11/2/2019
Signature:	Date:

Clark – Pollution Control Facilities

Section D information

All manure pits receive waste directly via gravity from the swine as it is excreted.

Manure Pit 1 – North Barn

Concrete manure pits measuring 101'8" ft x 341 ft x 8 ft deep with concrete slats covering the entire top.

Manure Pit 2 – South Barn

Concrete manure pits measuring 101'8" ft x 341 ft x 8 ft deep with concrete slats covering the entire top.

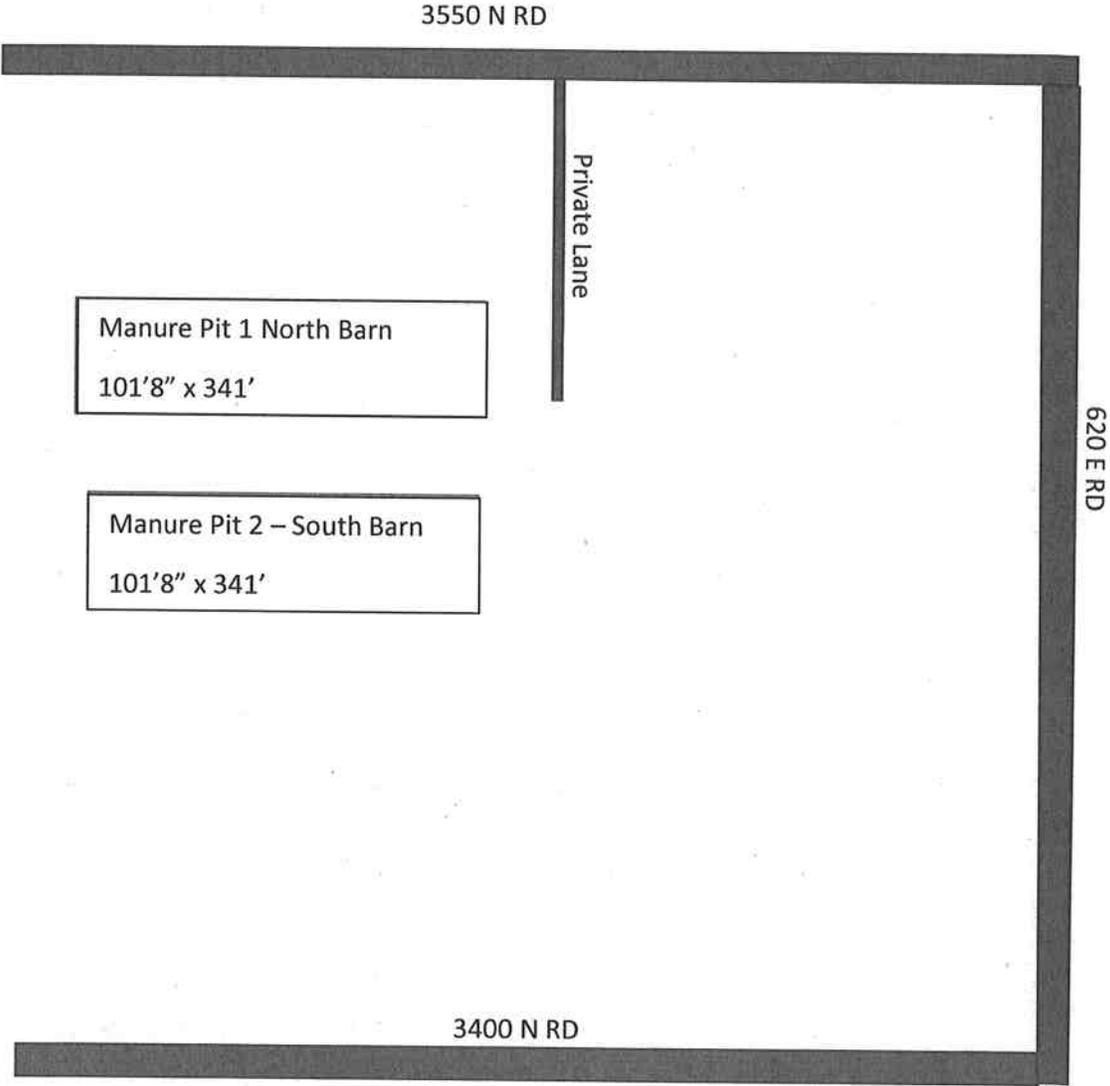
Section E-4 Information

Date Put into Service

Manure Pit 1 – 2017

Manure Pit 2 – 2017

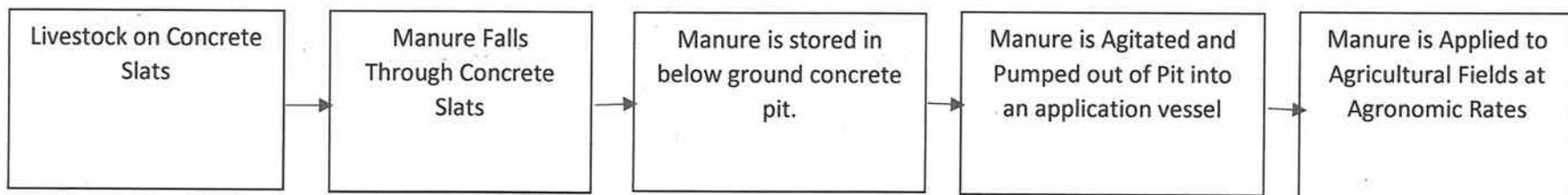
Clark – Existing Facility located at 5586 E 3550 N RD, Rossville, IL 60963



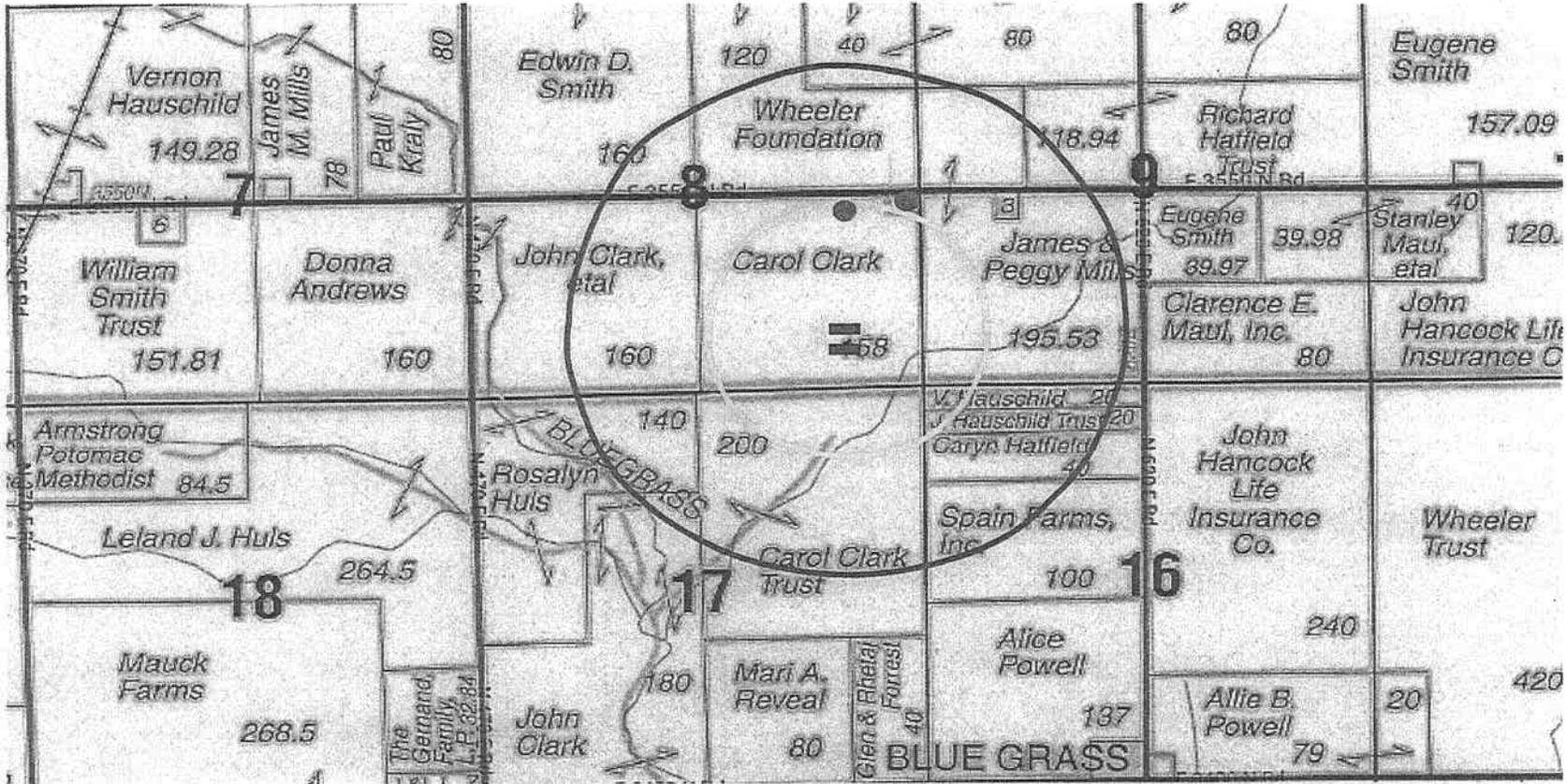
Pollution Control Facility

Process Flow Diagram

Carl Clark

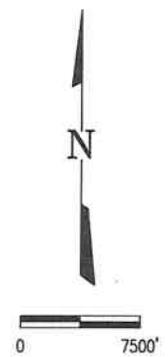
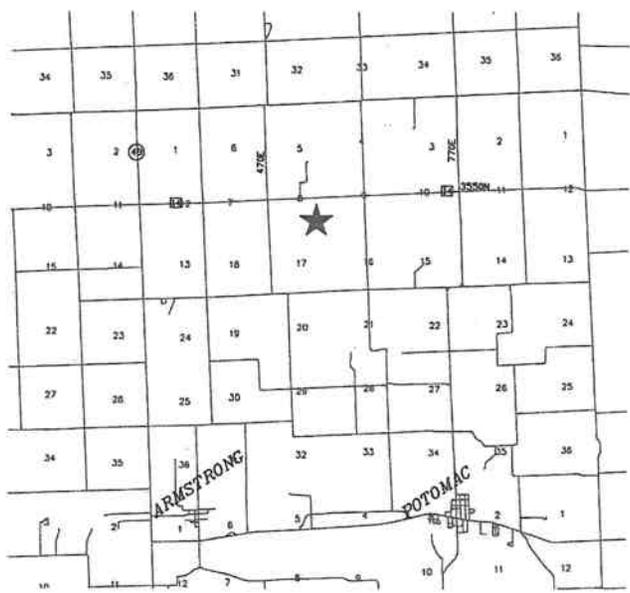
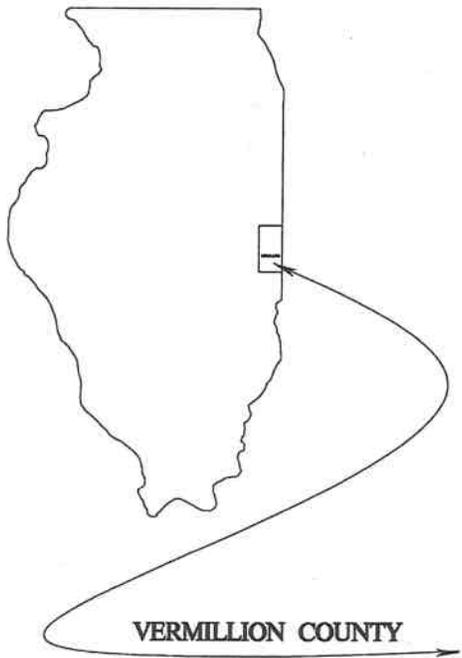


Carl Clark
Landowner Map



	Populated Area Setback -- 3,520 feet		Residences
	Residence Setback -- 1,760 feet		Proposed Facility

CARL CLARK SWINE FACILITY ROSSVILLE, ILLINOIS



INDEX OF SHEETS

- 1 TITLE SHEET
- 2 SITE LAYOUT
- 3 PROXIMITY MAP
- 4 PLAN OF SWINE BARN
- 5-12 TYPICAL DETAILS
- 13 NOTES
(General, Concrete, & Foundation)

UTILITY NOTE

THE LOCATIONS OF THOSE BURIED AND ABOVEGROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVEGROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES, REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR MUST CONTACT J.U.L.I.E. 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.

★ LOCATION OF CARL CLARK SWINE FACILITY

PLANS DATED:
June 2016
Revised: 6/20/2016

1

Lee. R. Beckman P.E. No. 52890
My License Expires 11-30-2017

MILANO & GRUNLOH ENGINEERS, LLC
114 WEST WASHINGTON
P.O. BOX 897
EFFINGHAM, ILLINOIS 62401
Phone: (217) 347-7262
(800) 677-2714
Fax #: (217) 342-3433
Web Address: www.mgenengineers.com
Design Firm #: 184-003108

TITLE SHEET
CARL CLARK
SWINE FACILITY
ROSSVILLE, ILLINOIS

File name: S:\2016\16256\dwg\Carl Clark FE.dwg
Plot date: 6/14/2016



SCALE: 1" = 300'

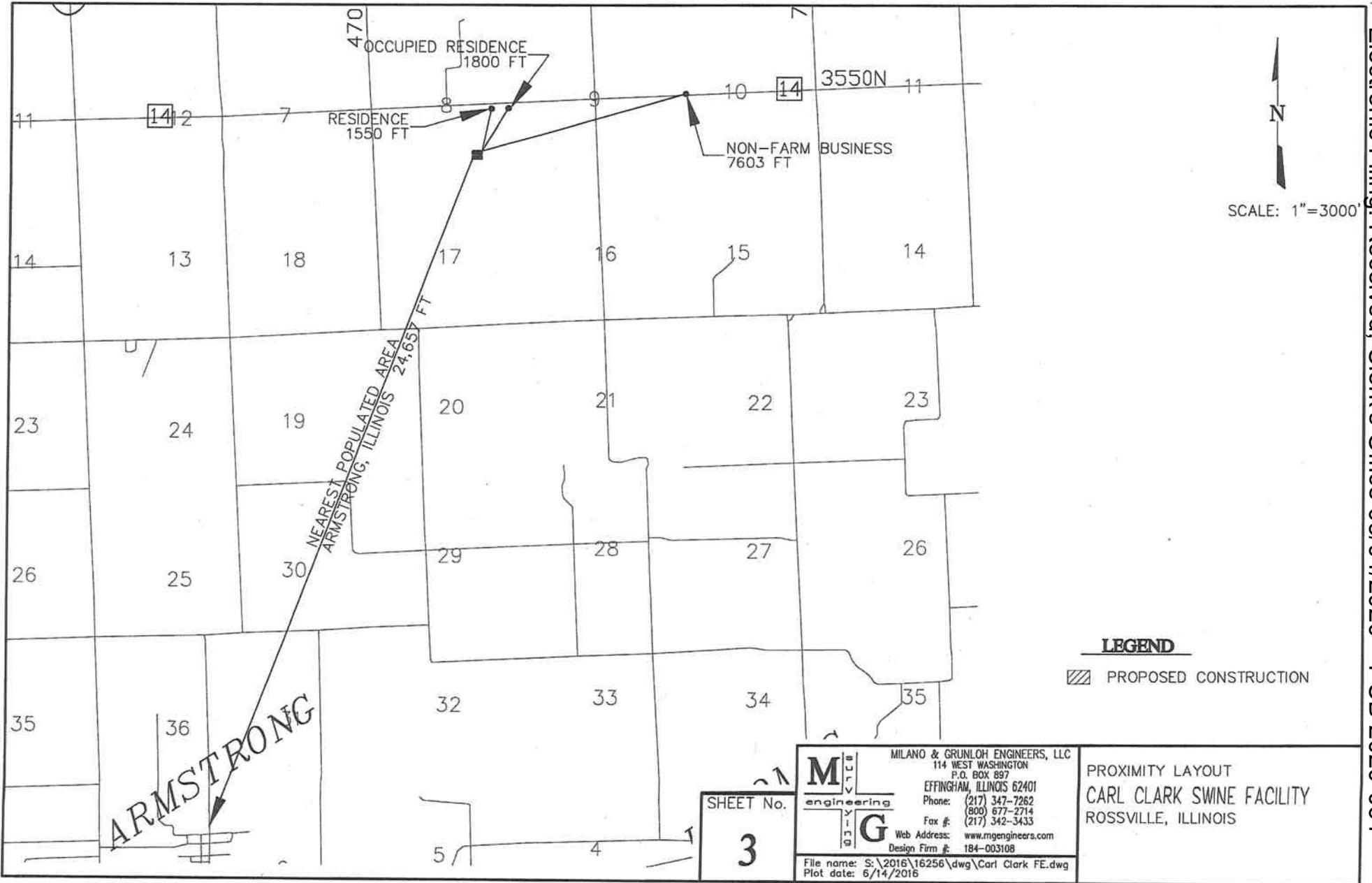
SHEET No.
2

MILANO & GRUNLOH ENGINEERS, LLC
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P.O. BOX 897
EFFINGHAM, ILLINOIS 62401
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(800) 677-2714
Fax #: (217) 342-3433
Web Address: www.mgenineers.com
Design Firm #: 184-003108

MILANO & GRUNLOH
engineering
LLC

File name: S:\2016\16256\dwg\Carl Clark FE.dwg
Plot date: 6/14/2016

SITE LAYOUT
CARL CLARK SWINE FACILITY
ROSSVILLE, ILLINOIS



SCALE: 1"=3000'

LEGEND

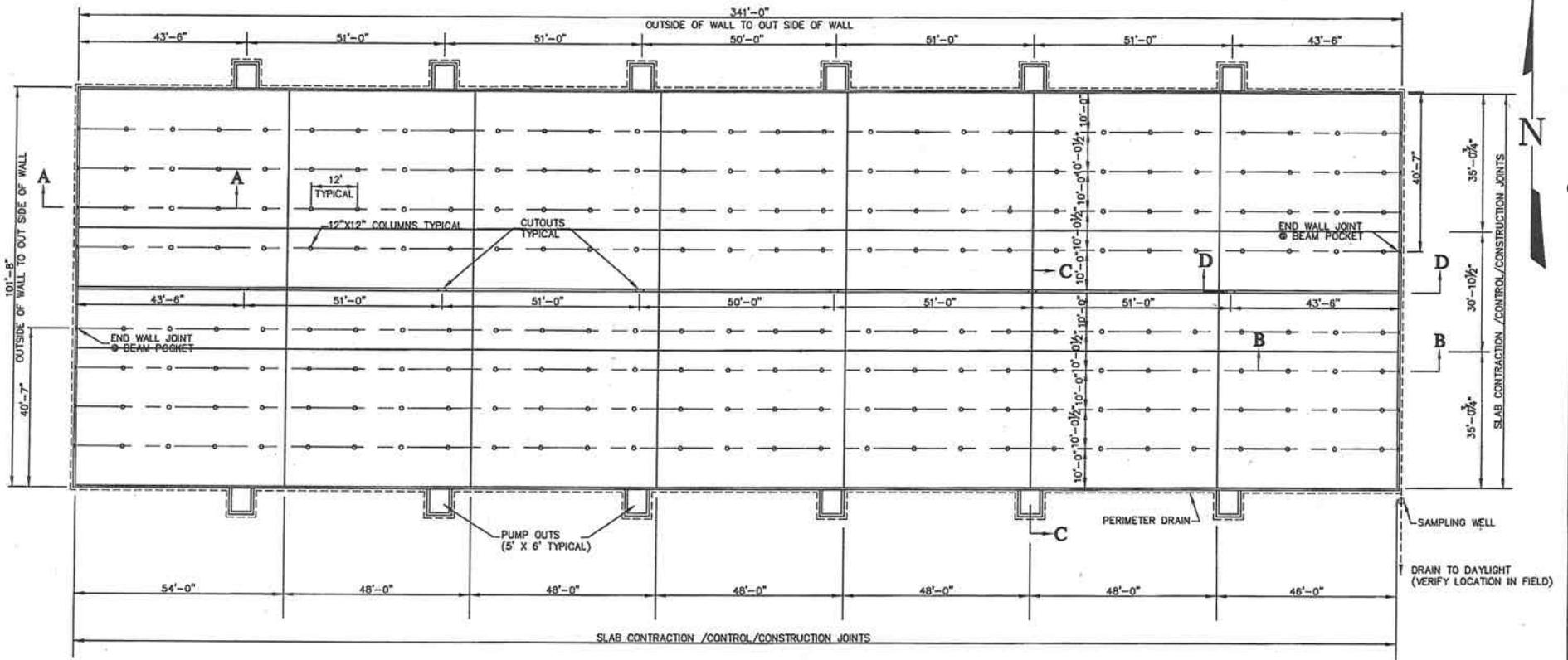
PROPOSED CONSTRUCTION

SHEET No.
3

MILANO & GRUNLOH ENGINEERS, LLC
 114 WEST WASHINGTON
 P.O. BOX 897
 EFFINGHAM, ILLINOIS 62401
 Phone: (217) 347-7262
 (800) 677-2714
 Fax #: (217) 342-3433
 Web Address: www.mgengineers.com
 Design Firm #: 184-003108

PROXIMITY LAYOUT
CARL CLARK SWINE FACILITY
 ROSSVILLE, ILLINOIS

File name: S:\2016\16256\dwg\Carl Clark FE.dwg
 Plot date: 6/14/2016



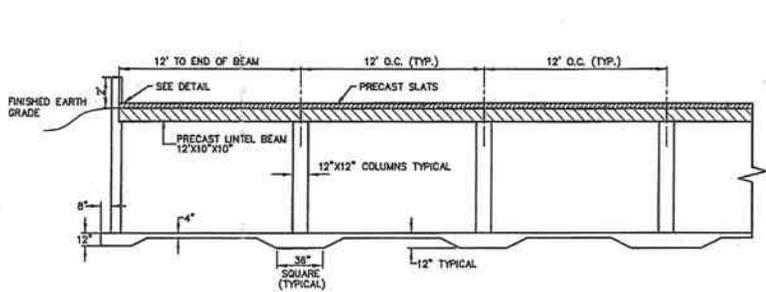
PLAN

Revised date: 8/30/2016
 Revised date: 7/20/2016

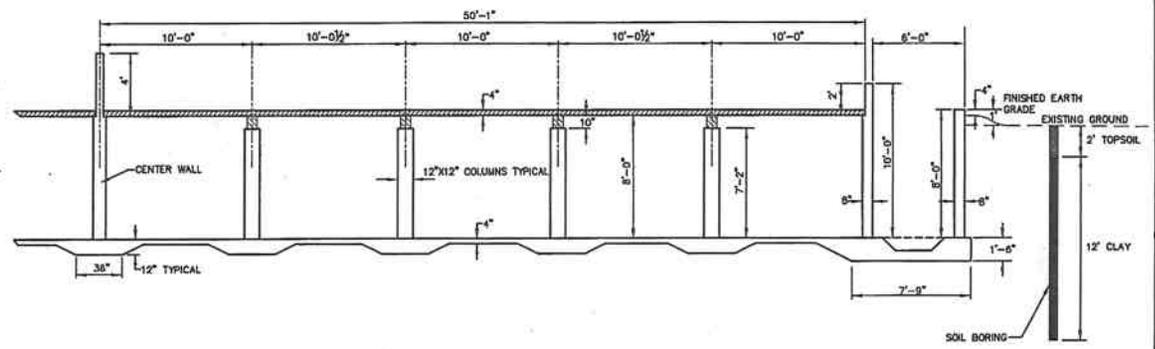
SHEET No.
4

M I L A N O E N G I N E E R S L L C	MILANO & GRUNLOH ENGINEERS, LLC
	114 WEST WASHINGTON
	P.O. BOX 897
	EFFINGHAM, ILLINOIS 62401
	Phone: (217) 347-7262
	Fax #: (800) 677-2714
	(217) 342-3433
	Web Address: www.mgengineers.com
	Design Firm #: 184-003108
File name: S:\2016\16256\dwg\Hog barn.dwg	
Plot date: 6/14/2016	

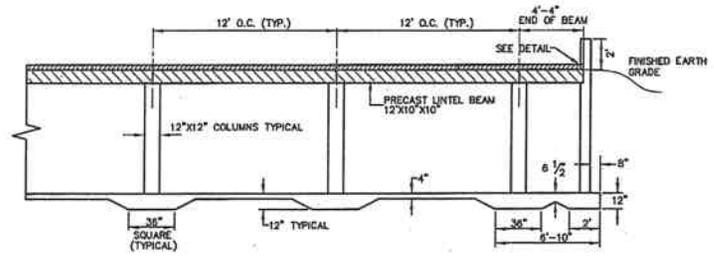
PLAN
 CARL CLARK SWINE FACILITY
 ROSSVILLE, ILLINOIS



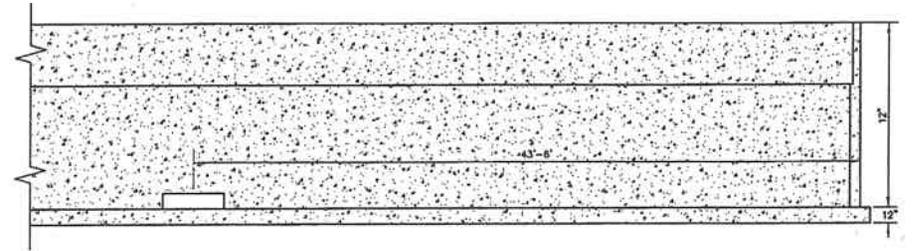
SECTION A-A



SECTION C-C



SECTION B-B



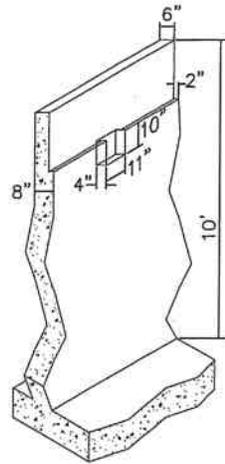
SECTION D-D

Revised date: 8/30/2016
 Revised date: 7/20/2016

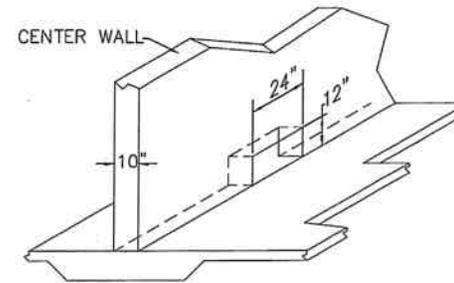
SHEET No.
5

	MILANO & GRUNLOH ENGINEERS, LLC
	114 WEST WASHINGTON
	P.O. BOX 897
	EFFINGHAM, ILLINOIS 62401
	Phone: (217) 347-7262
	(800) 677-2714
	Fax #: (217) 342-3433
	Web Address: www.mgengineers.com
	Design Firm #: 184-003108
	File name: S:\2016\16256\dwg\Hog barn.dwg
	Plot date: 6/14/2016

TYPICAL DETAILS
 CARL CLARK SWINE FACILITY
 ROSSVILLE, ILLINOIS



TYPICAL LINTEL BEAM POCKET



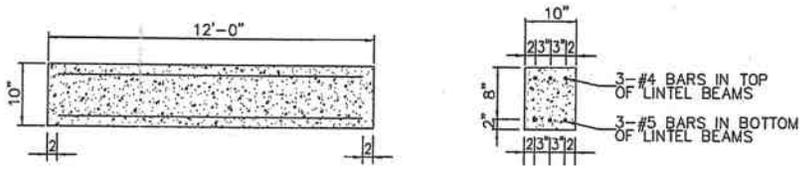
TYPICAL CENTER WALL CUTOUT

SHEET No.

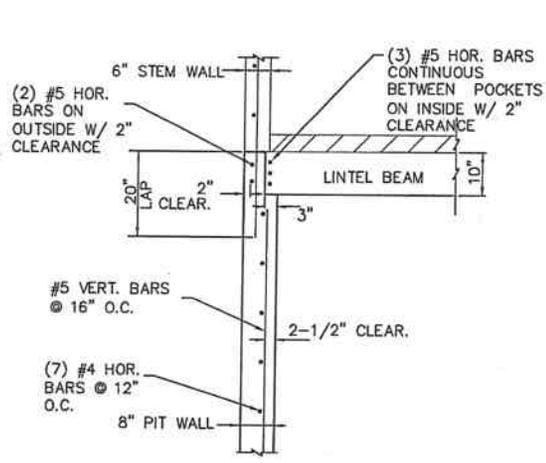
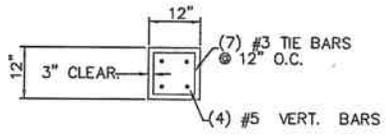
6

M I L A N O E N G I N E E R I N G	MILANO & GRUNLOH ENGINEERS, LLC
	114 WEST WASHINGTON
	P.O. BOX 897
	EFFINGHAM, ILLINOIS 62401
	Phone: (217) 347-7262
	(800) 677-2714
	Fax #: (217) 342-3433
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File name: S:\2016\16256\dwg\Hog barn.dwg	
Plot date: 6/14/2016	

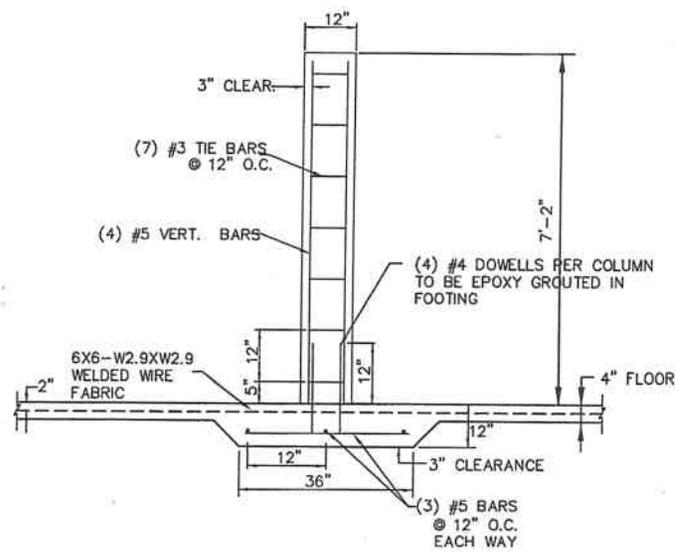
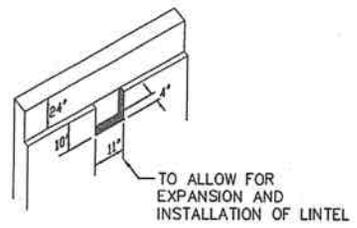
TYPICAL DETAILS
 CARL CLARK SWINE FACILITY
 ROSSVILLE, ILLINOIS



LINTEL BEAMS
 NOTE: (LINTEL BEAM)
 CONCRETE COMPRESSIVE STRENGTH
 = 4500 PSI @ 28 DAYS



DETAIL OF LINTEL BEAM POCKET
 NOT TO SCALE



DETAIL OF CONCRETE COLUMN
 NOT TO SCALE

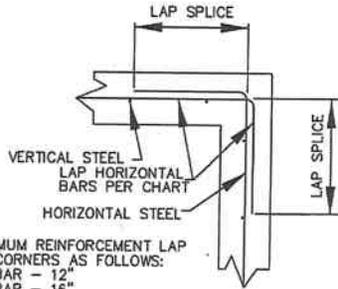
Note: All Precast Beams shall be Butted and grouted tight. Water Lines, Electrical Line, Drain Lines, etc, shall not be permitted to penetrate any walls or floor below the floor slat elevation

Revised date: 8/30/2016
 Revised date: 7/20/2016

SHEET No.
7

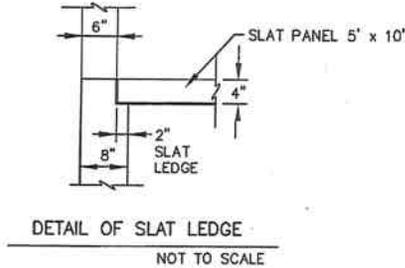
	MILANO & GRUNLOH ENGINEERS, LLC
	114 WEST WASHINGTON P.O. BOX 897
	EFFINGHAM, ILLINOIS 62401
	Phone: (217) 347-7262 (800) 677-2714
	Fax #: (217) 342-3433
Web Address: www.mgengineers.com	
Design Firm #: 184-003108	
File name: S:\2016\16256\dwg\Hog Barn Details.dwg	
Plot date: 09/13/2016	

TYPICAL DETAILS
 CARL CLARK SWINE FACILITY
 ROSSVILLE, ILLINOIS

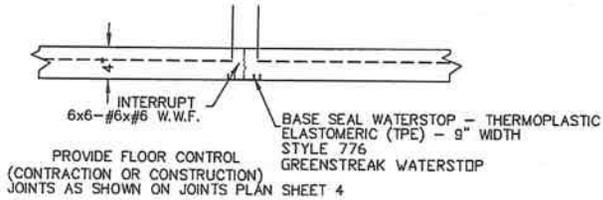


MINIMUM REINFORCEMENT LAP AT CORNERS AS FOLLOWS:
 #3 BAR - 12"
 #4 BAR - 16"
 #5 BAR - 20"
 #6 BAR - 24"
 #7 BAR - 33"
 #8 BAR - 44"
 MINIMUM STEEL BAR BENDING RADUIS = 6d

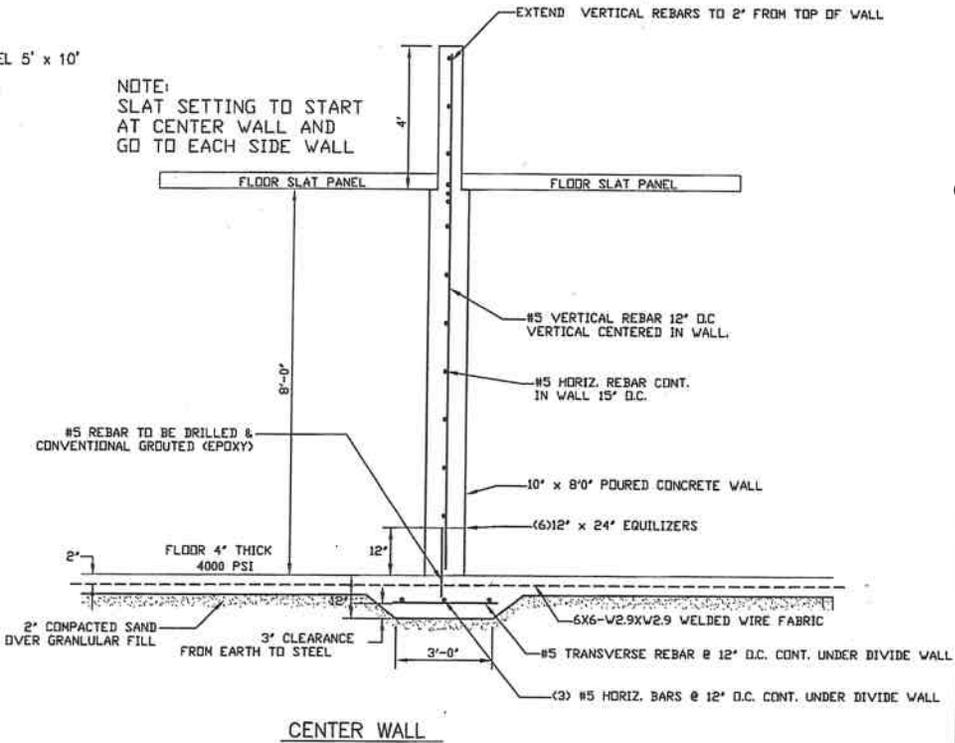
CORNER DETAIL
Not To Scale



DETAIL OF SLAT LEDGE
NOT TO SCALE



SLAB CONTRACTION/CONTROL/CONSTRUCTION JOINT



CENTER WALL

Note: All Precast Beams shall be Butted and grouted tight.
 All Precast Slat Panels shall be Butted and grouted tight.
 Water Lines, Electrical Lines, Drain Lines, etc, shall not be permitted to penetrate any walls or floor below the floor slat elevation

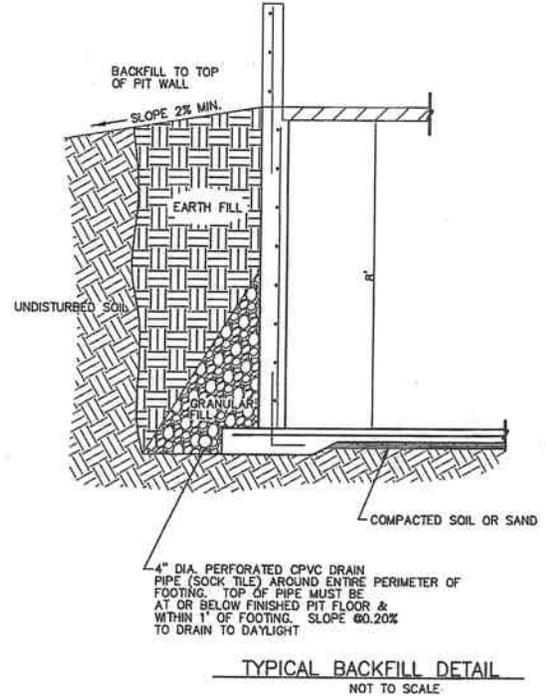
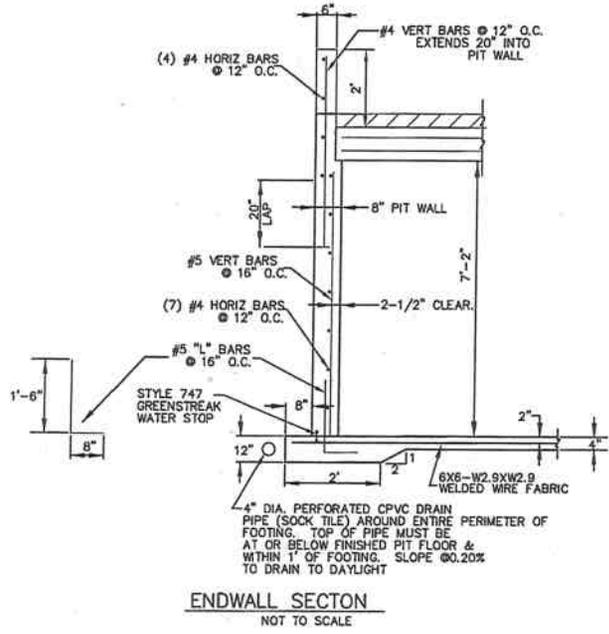
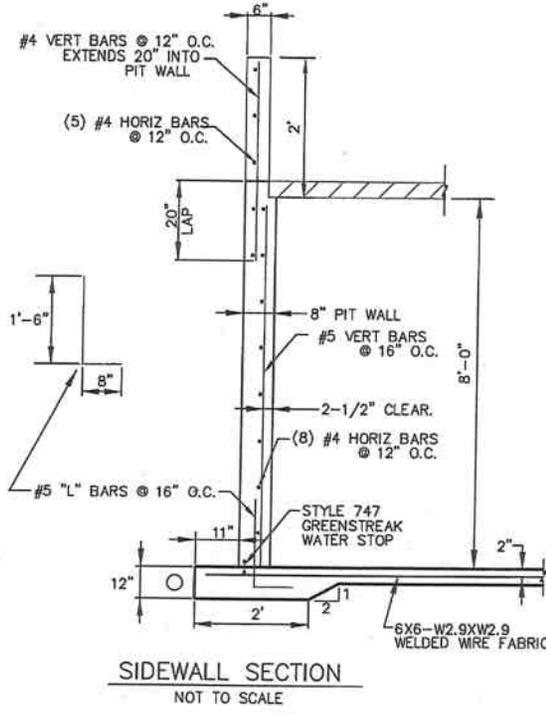
Revised date: 8/30/2016
 Revised date: 7/20/2016

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8

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TYPICAL DETAILS
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 Plot date: 09/13/2016



Note: All Precast Beams and Precast Slat Panels shall be butted and grouted tight. Water Lines, Electrical Lines, Drain Lines, etc, shall not be permitted to penetrate any walls or floor below the floor slat elevation

SHEET No.
9

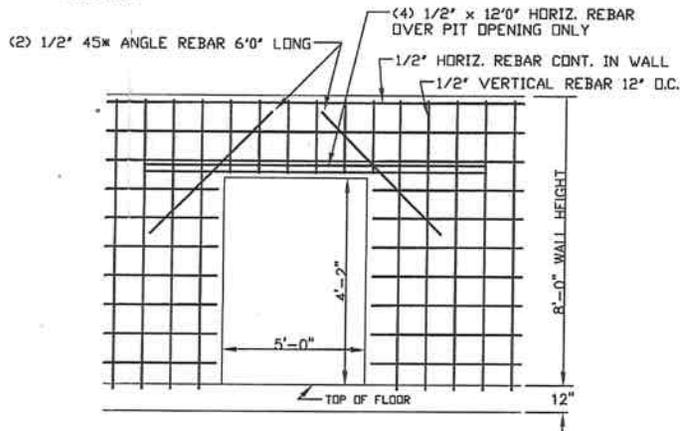
MILANO & GRUNLOH ENGINEERS, LLC
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ROSSVILLE, ILLINOIS

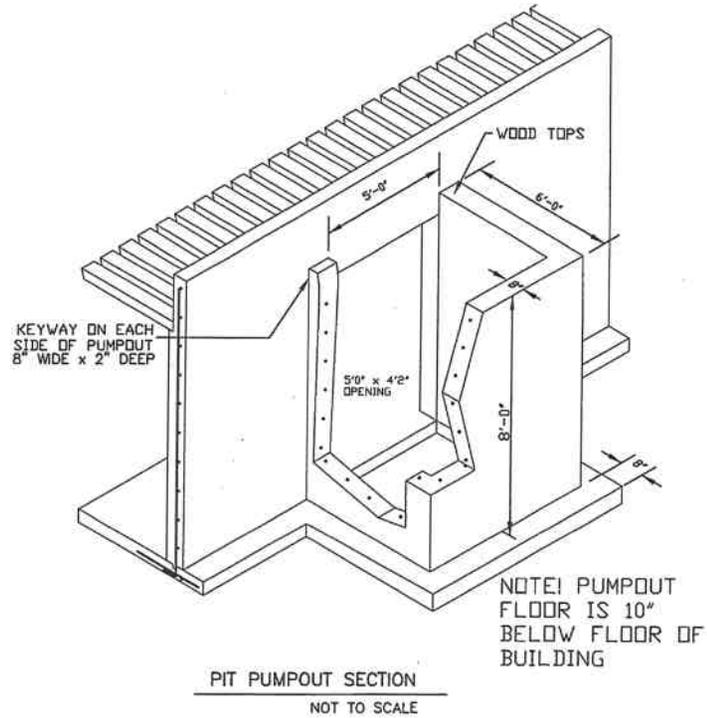
Revised date: 8/30/2016
Revised date: 7/20/2016

File name: S:\2016\16256\dwg\Hog Barn Details.dwg
Plot date: 09/13/2016

NOTE: "L" SHAPED REBAR IS 12" O.C. FOR FASTENING VERTICAL REBARS



REBAR PLACEMENT AT PUMPOUT OPENING
NOT TO SCALE



NOTE: PUMPOUT FLOOR IS 10" BELOW FLOOR OF BUILDING

PIT PUMPOUT SECTION
NOT TO SCALE

Note: All Precast Beams and Precast Slat Panels shall be butted and grouted tight. Water Lines, Electrical Lines, Drain Lines, etc, shall not be permitted to penetrate any walls or floor below the floor slat elevation

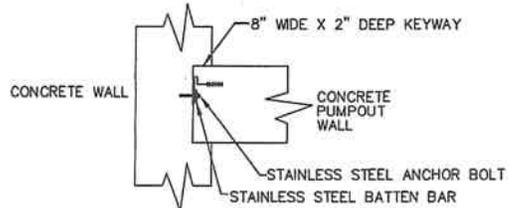
Revised date: 7/20/2016

SHEET No.

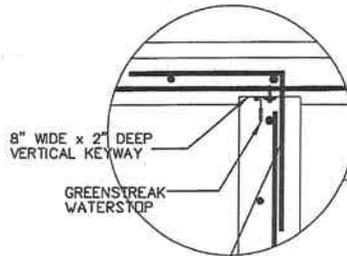
10

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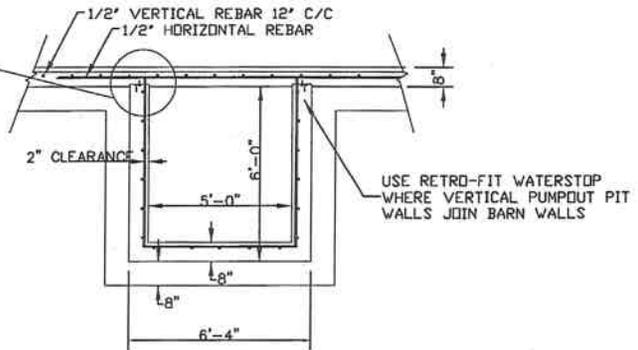
TYPICAL DETAILS
CARL CLARK SWINE FACILITY
ROSSVILLE, ILLINOIS



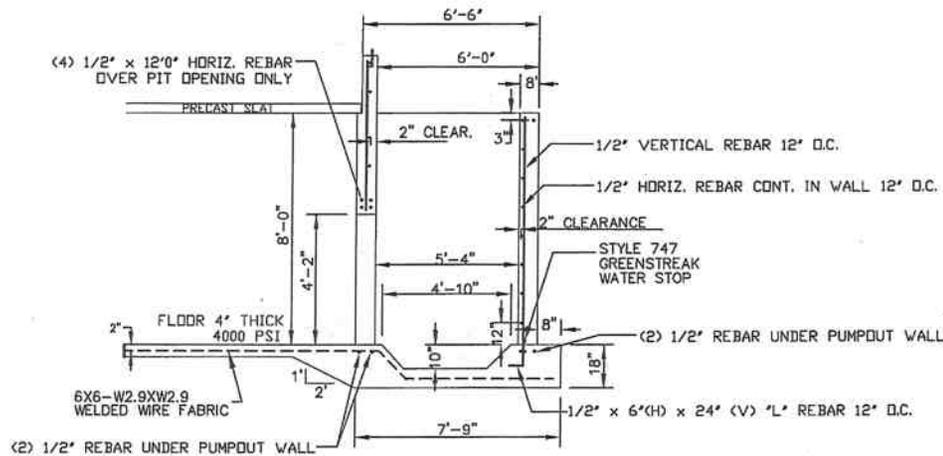
DETAIL OF RETRO-FIT WATERSTOP
(PER MANUFACTURER'S SPECIFICATIONS)



20" x 20" x 1/2" BARS LAP AND TIE TO HORIZ. WALL STEEL



**PUMPOUT CROSS SECTION
PLAN DETAIL**
NOT TO SCALE



PUMPOUT CROSS SECTION
NOT TO SCALE

Note: All Precast Beams and Precast Slat Panels shall be butted and grouted tight. Water Lines, Electrical Lines, Drain Lines, etc, shall not be permitted to penetrate any walls or floor below the floor slat elevation

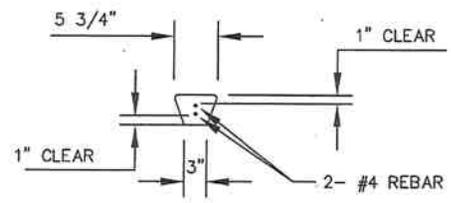
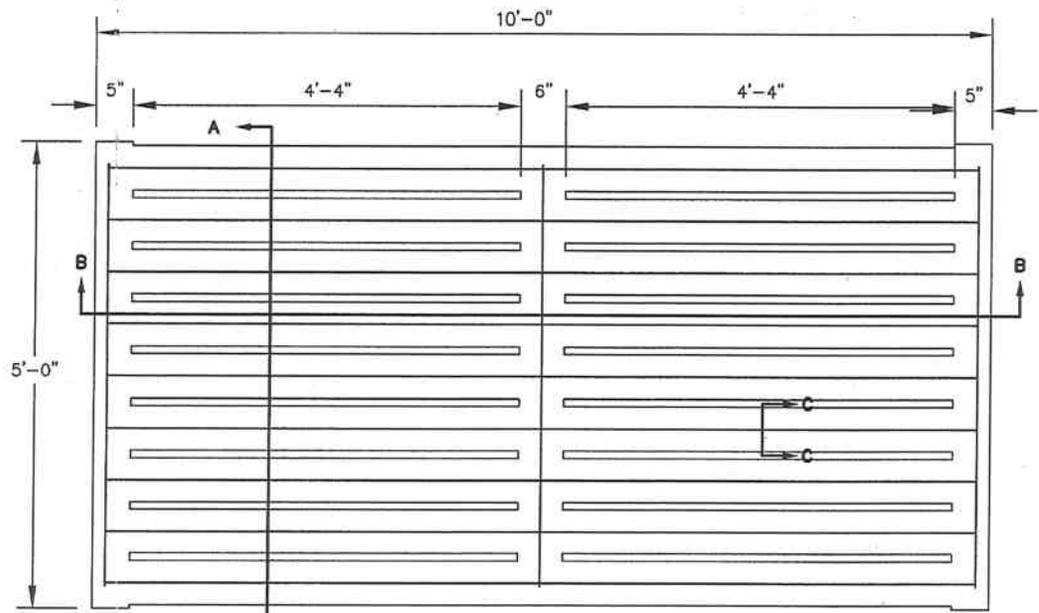
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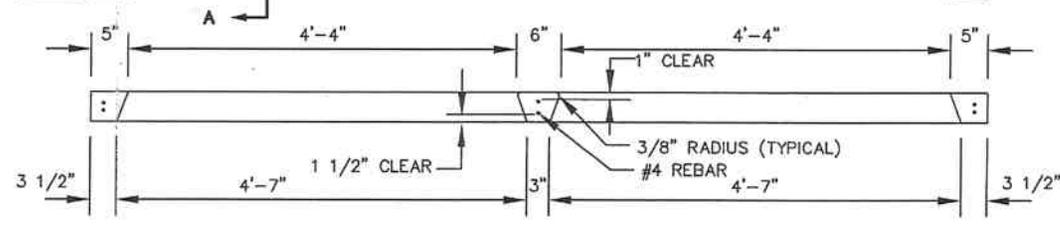
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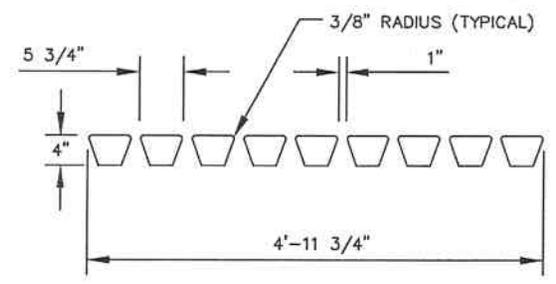
TYPICAL DETAILS
CARL CLARK SWINE FACILITY
ROSSVILLE, ILLINOIS



SECTION C-C
TYP. RIB SECTION



SECTION B-B



SECTION A-A

DETAIL OF HOG SLAT (5'x10')

NOT TO SCALE

Note: All Precast Slat Panels shall be butted and grouted tight.
The Minimum Compressive Strength (28 Day) shall be 4000 PSI.
The Reinforcement Yield Strength shall be Grade 60.

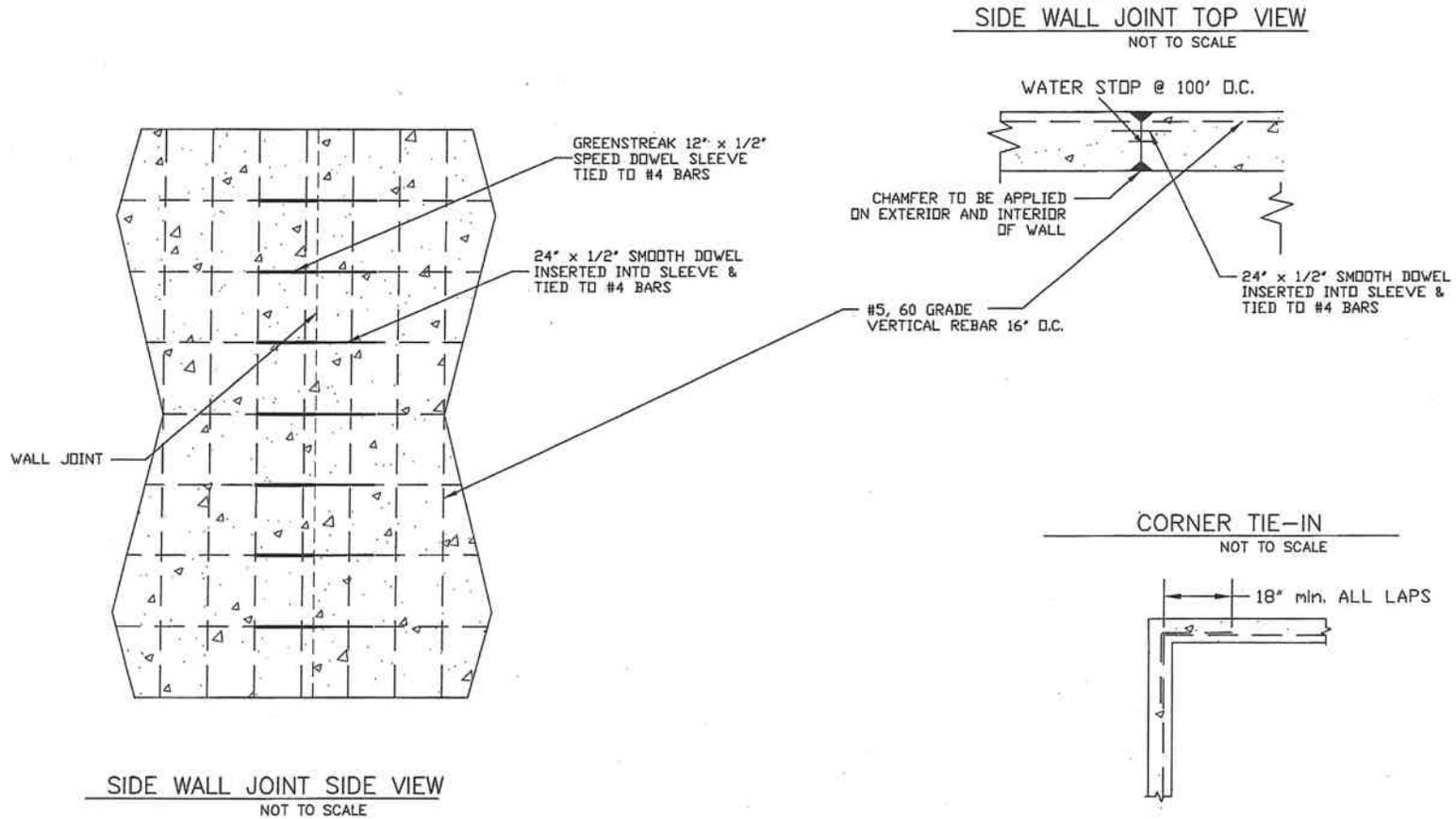
SHEET No.

12

Revised date: 7/20/2016

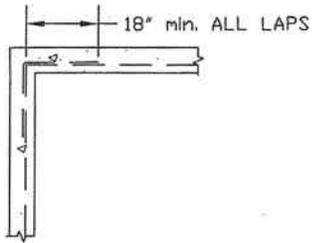
	MILANO & GRUNLOH ENGINEERS, LLC
	114 WEST WASHINGTON P.O. BOX 897
	EFFINGHAM, ILLINOIS 62401
	Phone: (217) 347-7262 (800) 677-2714
	Fax #: (217) 342-3433
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TYPICAL DETAILS
CARL CLARK SWINE FACILITY
ROSSVILLE, ILLINOIS



SIDE WALL JOINT SIDE VIEW
NOT TO SCALE

CORNER TIE-IN
NOT TO SCALE

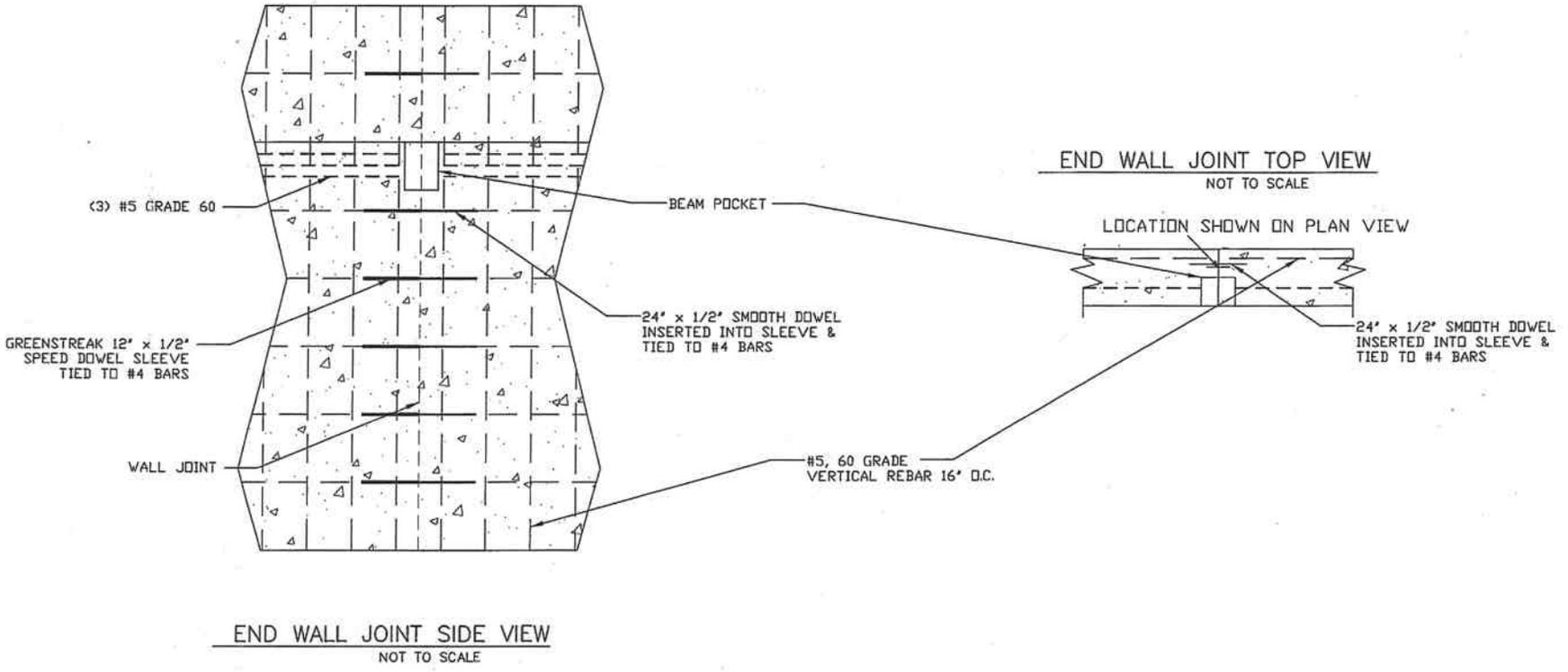


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13

M S L V engineering Y G	MILANO & GRUNLOH ENGINEERS, LLC
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TYPICAL DETAILS
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ROSSVILLE, ILLINOIS



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TYPICAL DETAILS
CARL CLARK SWINE FACILITY
ROSSVILLE, ILLINOIS

GENERAL NOTES

1. The contractor shall field verify all dimensions and existing conditions prior to construction. Notify the engineer (owners representative) of any discrepancy immediately.
2. Verify drawings for location of all openings in walls and slabs.
3. All fill or backfill within the limits of a building or a structure shall be compacted according to the specifications.
4. Unless otherwise indicated, all miscellaneous angles, wide flanges, sections, etc. shall be ASTM A-36.
5. Unless otherwise indicated, the contractor shall box out around pipe with keyway. Contractor shall place pipe and pack opening with non-shrink grout.
6. Contractor shall coordinate the installation of electrical & mechanical equipment with the respective sub-contractors prior to the placement of concrete.
7. Contractor shall be responsible for adequacy of temporary shoring, including masonry wall shoring to resist all loading conditions during construction.
8. PERMITS AND CODES
 - A.- CONTRACTOR SHALL PROVIDE ALL OTHER NECESSARY LICENSES AND PERMITS AND PAY ALL FEES, TAXES, AND ROYALTIES, UNLESS OTHERWISE INDICATED. COMPLY WITH LOCAL AND MUNICIPAL ORDINANCES AND APPLICABLE STATE AND NATIONAL CODES.
9. VERIFICATION OF CONDITIONS
 - A.- VERIFY GRADES, LINES, LEVELS, LOCATIONS, AND DIMENSIONS AS SHOWN, AND INSPECT SURFACES THAT ARE TO RECEIVE WORK BEFORE PROCEEDING. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ACCURACY OF MEASUREMENTS AND LAYING OUT OF ITS WORK. NOTIFY OWNER IN WRITING IN CASE OF UNSUITABLE CONDITIONS, defective substrates, or discrepancies in contract documents. STARTING OF WORK SHALL IMPLY ACCEPTANCE OF CONDITIONS.
10. TOPSOIL STRIPPING
 - A.- STRIP TOPSOIL FROM PROJECT AREA TO WHATEVER DEPTHS ENCOUNTERED; PREVENT INTERMINGLING WITH UNDER LAYING SUBSOIL OR OTHER OBJECTIONABLE MATERIAL. REMOVE HEAVY GROWTHS OF GRASS FROM AREAS BEFORE STRIPPING TOPSOIL.
 - B.- STOCKPILE TOPSOIL IN STORAGE PILES IN AREAS AS DESIGNATED BY OWNER. CONSTRUCT STORAGE PILES TO FREELY DRAIN SURFACE WATER. COVER OR SPRINKLE WATER ON STORAGE PILES TO PREVENT WINDBLOWN DUST; REMOVE EXCESS FROM SITE.
11. SITE GRADING
 - A.- UNSUITABLE MATERIALS: EXCAVATE ORGANIC, FROZEN, WET, SOFT, AND LOOSE SOILS (INCLUDING PREVIOUSLY PLACED UNCOMPACTED FILL SOILS); BOULDERS; AND OTHER UNSUITABLE MATERIALS FROM BENEATH PROPOSED FOUNDATIONS, SLABS, PAVEMENTS, AND DETENTION POND DIKES.
 - B.- SUBGRADE: PRIOR TO FILLING, PROOF-ROLL EXPOSED SUBGRADE TO DETECT AREAS IN WHICH MUST BE UNDERCUT OR IMPROVED BY APPROPRIATE PREPARATION AND COMPACTION TECHNIQUES. THE EXPOSED SOILS SHOULD BE THOROUGHLY PROOF COMPACTED WITH AT LEAST 10 OVERLAPPING PASSES OF A 10 TON VIBRATORY ROLLER OR OTHER EQUIPMENT OF SIMILAR SIZE AND WEIGHT. GRANULAR SOILS ENCOUNTERED IN THE FOOTING EXCAVATIONS SHALL BE COMPACTED TO A MINIMUM OF 95 % OF THE MAXIMUM MODIFIED PROCTOR (ASTM D1557) DRY DENSITY.
 - C.- IF UNSUITABLE BEARING SOILS ARE REMOVED FROM BENEATH PROPOSED FOOTINGS, EXCAVATION SHALL EXTEND Laterally BEYOND PERIMETER OF FOUNDATION FOR A DISTANCE AT LEAST EQUAL TO THICKNESS OF BACKFILL BELOW FOOTING BASE. THIS PROVISION SHALL ALSO APPLY WHERE A RAISED STRUCTURAL PAD IS CONSTRUCTED TO ACHIEVE A BEARING ELEVATION GREATER THAN THE EXISTING GRADES.

*(Continued Next Column)

GENERAL NOTES (cont.)

- D.- TAKE STEPS TO PREVENT EXCESSIVE DRYING OR WETTING OF EXPOSED FOOTING, SLAB, AND PAVEMENT SUBGRADE SOILS.
- E.- FILL: FILL MATERIALS SHALL BE CLEAN GRANULAR MATERIAL OR LOW PLASTICITY COHESIVE SOIL. SUITABLE ON-SITE CUT MATERIAL MAY BE USED FOR REQUIRED FILLS. PROVIDE ADDITIONAL OFF-SITE FILL AS NECESSARY TO BRING SITE TO REQUIRED GRADES. FILL MATERIALS SHALL BE APPROVED BY GEOTECHNICAL ENGINEER.
- F.- PLACE EACH LAYER OF FILL ON A MAXIMUM 1 (V) :5(H) SLOPE; STEP AND BENCH FILLS IF NECESSARY.
- G.- DEWATERING: PERFORM SITE GRADING IN A MANNER TO PREVENT SURFACE WATER AND GROUND WATER FROM FLOWING INTO WORK AREA. PROMPTLY REMOVE WATER FROM EXCAVATIONS USING PUMPS, SUMPS, AND DEWATERING SYSTEM COMPONENTS NECESSARY TO CONVEY WATER AWAY FROM EXCAVATIONS. CONVEY WATER REMOVED FROM EXCAVATIONS AND RAIN WATER TO COLLECTIONS OR RUN-OFF AREAS. PROVIDE AND MAINTAIN TEMPORARY DRAINAGE DITCHES. IF UNDERGROUND SPRINGS OR DRAIN TILE ARE ENCOUNTERED, NOTIFY GEOTECHNICAL ENGINEER BEFORE PROCEEDING.

CONCRETE NOTES

1. ALL CAST-IN-PLACE CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 P.S.I.
2. ALL REINFORCEMENT BARS SHALL CONFORM TO ASTM-A615, GRADE 60.
3. ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. (FLAT STOCK ONLY)
4. ALL CONCRETE WORK SHALL CONFORM TO ACI 318-2002 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" AND ACI 301 "SPECIFICATION FOR STRUCTURAL CONCRETE FOR BUILDINGS." ALL REINFORCING DETAILS NOT SHOWN SHALL CONFORM TO ACI 315 "DETAILING MANUAL" LATEST EDITION.
5. REINFORCING BAR LAP SPLICES SHALL BE CLASS "B" SPLICES.
6. CONTINUOUS TOP AND BOTTOM BARS, WHEN SHOWN IN SECTIONS ONLY, SHALL BE LAPPED AS FOLLOWS: TOP BARS NEAR MIDSPAN, BOTTOM BARS DIRECTLY OVER SUPPORTS.
7. CONCRETE PROTECTION (MINIMUM CONCRETE COVER) FOR REINFORCEMENT SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:
 - A.- CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH- 3"
 - B.- CONCRETE EXPOSED TO EARTH OR WEATHER- 3"
8. ALL REINFORCEMENT BARS SHALL BE CLEAN AND FREE OF GREASE, SCALING RUST, AND OTHER FOREIGN MATERIALS.
9. UNLESS OTHERWISE INDICATED, FOR SLABS ON GRADE, USE 1/2" THICK PREMOLDED JOINT FILLER TO ISOLATE THE SLAB FROM CONTACT WITH THE STRUCTURES ALONG ITS PERIMETER AND APPLY SEALANT, 3/4" MIN. DEPTH.
10. SHORING FOR ROOF AND FLOOR SLABS SHALL BE REMOVED IN SUCH A MANNER AS TO MAINTAIN A UNIFORM LOADING ON THE SLAB AT ALL TIMES. REMOVAL OF FORMS SHALL NOT BEGIN UNTIL APPROVED BY THE ENGINEER.
11. TWO #5 BARS, EACH FACE, SHALL BE PROVIDED DIAGONALLY AT ALL RE-ENTRANT CORNERS. BARS SHALL BE EXTENDED 24 INCHES (MIN.) BEYOND CORNERS OF THE OPENING.
12. NO CONSTRUCTION JOINTS, EXCEPT THOSE SHOWN ON THE PLANS, WILL BE ALLOWED.

FOUNDATION NOTES

1. ALL FOOTING EXCAVATIONS SHALL BE CLEAN AND FREE OF DEBRIS, STANDING WATER, AND LOOSE SOIL AND SHALL BE INSPECTED BY THE ENGINEER (OWNER'S REPRESENTATIVE) PRIOR TO PLACEMENT OF CONCRETE.
2. IN STRUCTURAL AREAS (WHERE STRUCTURES DERIVE SOME OR ALL SUPPORT FROM FILL-SUPPORTED FOUNDATIONS) AND SLABS-ON-GRADE, FILL SHALL BE COMPACTED TO 95 PERCENT OF STD. PROCTOR MAXIMUM DRY DENSITY (ASTM D-698), UNLESS OTHERWISE SPECIFIED.
3. ALL FILL MATERIAL SHALL BE APPROVED FOR USE IN ADVANCE OF PLACEMENT BY THE ENGINEER. NO FILL SHALL BE PLACED OVER FROZEN, MUDDY OR OTHER DELETERIOUS MATERIAL. LIFT THICKNESS SHALL BE MINIMIZED TO ALLOW EFFICIENT COMPACTION. NO FILL MAY BE PLACED OVER A PREVIOUS LIFT THAT HAS NOT BEEN ADEQUATELY COMPACTED AND HAS NOT BEEN ACCEPTED BY THE ENGINEER.
4. BACKFILL AGAINST GRADE WALLS SHALL BE PLACED EVENLY ON ALL SIDES.
5. A LEAN CONCRETE MUD SLAB 3 TO 4 IN. THICK SHALL BE USED IN THE FOOTING EXCAVATION IF THE BOTTOM OF THE EXCAVATION TENDS TO BECOME MUDDY AND SOFT DUE TO CONSTRUCTION ACTIVITY. LEAN CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2,000 P.S.I.
6. FILTER FABRIC SHALL BE MIRAFI 140N OR EQUAL (NON-WOVEN FABRIC).

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GENERAL NOTES
 CARL CLARK SWINE FACILITY
 ROSSVILLE, ILLINOIS

STATE OF ILLINOIS

COUNTY OF SANGAMON

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)
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CERTIFICATE OF SERVICE

I, the undersigned attorney at law, hereby certify that I have served on the date of March 4, 2020, 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:

John & Carol Clark
5586 E. 3550 N. Road
Rossville, Illinois 60963

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
1021 North Grand Avenue East
P.O. Box 19276
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217.782.5544
217.782.9143 (TDD)

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