

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

Harry and Dee McCune)
(Property Identification Number) PCB No.
08-19-100-004)) (Tax Certification)
)

NOTICE

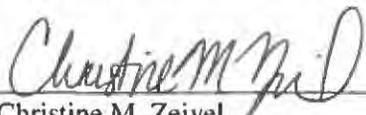
Steve Santarelli
Illinois Department of Revenue
101 West Jefferson
Post Office Box 19033
Springfield, Illinois 62794

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

Harry McCune
7133 2300 N. Avenue
Walnut, Illinois 61376

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

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

By: 
Christine M. Zeivel
Assistant Counsel
Division of Legal Counsel

DATED: March 6, 2017

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

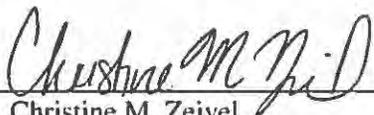
BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

Harry and Dee McCune)
(Property Identification Number) PCB No.
08-19-100-004) (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: 
Christine M. Zeivel
Assistant Counsel
Division of Legal Counsel

DATED: March 6, 2017

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

Harry and Dee McCune)
(Property Identification Number) PCB No.
08-19-100-004)) (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 October 28, 2016, the Illinois EPA received a request from Harry McCune (log number TC-137011, 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:

Harry and Dee McCune
6158 2100 N. Avenue
Sheffield, IL 61361

The proposed water pollution control facilities in this request are located at the NW ¼ of Section 19, T17N, R7E of the 4th P.M. in Bureau County, at the above street address and consist of the following:

Livestock waste management facilities consisting of two concrete manure pits (approximately 71 ft. x 265 ft. x 10 ft. each), concrete slotted portions of the floor over the manure pits that capture and contain livestock waste generated in the barns above, and eight pump out pits for each manure pit to allow for waste removal (approximately 6 ft. x. 6 ft. x. 10 ft. each).

These livestock waste management facilities are used to collect, transport and 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 (2014), and Section 125.200(a) of the Board's regulations, 35 Ill. Adm. Code 125.200(a), define

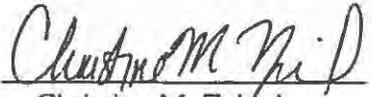
"pollution control facilities" as:

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: 
Christine M. Zeivel
Assistant Counsel
Division of Legal Counsel

Dated: March 6, 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 *AK*
Date: January 23, 2017
Re: Harry and Dee McCune – Sheffield
Recommendation of Tax Certification
Log # TC-137011
Property Index# 08-19-100-004

The Bureau of Water received a request on October 28, 2016 from Harry McCune 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:

Harry and Dee McCune
6158 2100 N. Avenue
Sheffield, IL 61361

NW ¼ of Section 19, T17N, R7E of the 4th PM in Bureau County

The livestock waste handling facilities consisting of two (2) concrete manure pits (approximately 71 ft. x 265 ft. x 10 ft. each), the concrete slotted portion of the floor over the manure pits that capture and contain waste generated in the barns above, eight (8) pumpouts pits (approximately 6 ft. x 6 ft. x 10 ft. each) for each manure pit for manure removal. 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.

SAK:WH:Tax Cert Recommendation.docx

cc: Tax Cert File

Watershed Unit Tax Certification Review Sheet

Project Name: Harry and Dee McCune

Date: December 29, 2016

Reviewer: WH

Type: Agchem
 Livestock

Log number: TC-137011

Contact: Harry McCune
7133 2300 N. Avenue
Walnut, IL 61376
Phone: 815-303-3281

Applicant: Harry McCune
7133 2300 N. Avenue
Walnut, IL 61376

Property Index#: 08-19-100-004

Facility: Harry and Dee McCune
6158 2100 N. Avenue
Sheffield, IL 61361

Parcel#:

County: Bureau

Legal Description:
NW ¼ of Section: 19 Twp: 17N R: 7E PM: 4th

Signature: Harry and Dee McCune

Title: Owner

Date Control Devices installed: 11/2016

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 71 ft. x 265 ft. x 10 ft. each) and the concrete slotted portion of the floor over the manure pits that capture and contain waste generated in the barns above. Eight (8) pumpouts pits (approximately 6 ft. x 6 ft. x 10 ft. each) for each manure pit for manure removal from the manure pit. The facility collects, transports and stores livestock waste prior to cropland application.

12/14/2016: Called Ms. Gavle Baker about corrections on pollution control facilities to be certified.

12/29/2016: Received email from Gavle Baker.

Recommended Action: Issue tax certification.

Han, Wei

From: Gayle C. Baker <gcbaker@mstutz.com>
Sent: Thursday, January 05, 2017 2:43 PM
To: Han, Wei
Subject: [External] RE: Tax Certification for Harry McCune Swine Facility

No where in our application do we request certification for the walls above the deep pit.

I will state again, we are not requesting certification for the walls above the deep pit liquid waste storage facility.

Gayle C Baker, PE
| Agricultural Services Engineer
3116 North Dries Lane, Suite 100 | Peoria, IL 61604
Ph: (309) 693-7615 | Fax: (309) 693-7616 | Cell: (563) 380-8720
Email: gcbaker@mstutz.com | Website: www.mstutz.com

 Please consider the environment before printing this email.

From: Han, Wei [Wei.Han@Illinois.gov]
Sent: Thursday, January 5, 2017 2:30 PM
To: Gayle C. Baker
Subject: RE: Tax Certification for Harry McCune Swine Facility

Mrs. Baker,

Do the barns have walls around them? If so, please withdraw the wall of the barns from the application as well. As we talked over the phone, the barns above the pits cannot be considered as pollution control facility and need to be withdrawn from the application completely.

Wei Han
Facility Evaluation Unit
Bureau of Water
Illinois Environmental Protection Agency

Phone: 217-524-3034
Email: Wei.Han@Illinois.gov

From: Gayle C. Baker [mailto:gcbaker@mstutz.com]
Sent: Thursday, December 29, 2016 10:20 AM
To: Han, Wei
Cc: Dee McCune (deekingmccune@gmail.com); Harry McCune (hmccune@yahoo.com); Terry L. Feldmann; Whitney Warkins (whitney.ls.jewelry@gmail.com)
Subject: [External] Tax Certification for Harry McCune Swine Facility

Mr. Han,

Followup to our phone call, the Harry McCune Facility Pollution Control Application requests certification for the concrete waste storage facility which includes the slats, pump outs and deep pit for both buildings. The application does not request certification for the roof over the deep pit facilities.

The facility consists of two barns: 265'x71'2" swine buildings with each having 10ft deep concrete storage pit. Precast concrete slotted floors enable excreta and wastewater to fall through and accumulate in the below floor pit. The barns have 8 pumpout pits each that collect manure and allow manure transfer through a hose to be pumped for field application.

The building identified as E1 and P1 on the plans has a 10ft deep pit that consists of a 4" thick slab and 8" thick pit walls. The walls have footings that are 10" thick and 1'-6" wide. Columns within the pit are 12" in diameter, 9'-2" tall and supported by 33"x33" square footings. The columns support 8"x10"x12ft long precast concrete floor beams. The floor beams support a 4" thick precast concrete slotted gang slat floor. Each pumpout pit is 6'-0" x 6'-0" with 8" thick walls. Footings around the pumpout pit walls measure 1'-6" by 1'-4" inches thick. The recessed sump area is 3'-10" x 5'-4" x 11" deep.

The facility protects ground and surface water by providing collection and storage of livestock waste for about 365 days. Subsequently, the waste may be applied agronomically to cropland under proper soil and weather conditions for safe use.

Gayle C. Baker, P.E.

 MAURER - STUTZ | Agricultural Services Engineer

3116 N. Dries Lane Suite 100 | Peoria, IL 61604

Ph: (309) 693-7615 | Fax: (309) 693-7616 | Cell: (563) 380-8720

Email: gcbaker@mstutz.com | Website: www.mstutz.com

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Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Application for Certification (Property Tax Treatment) Pollution Control Facility

FOR AGENCY USE ONLY	
File Number: _____	Date Rec'd: _____
Certification Number: _____	Date: _____

Facility Type (check one): Air Water

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

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

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

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

RECEIVED
OCT 28 2016
EPA
BOWWPC/PERMIT SECTION

I. Applicant Information:

Company Name: <u>Harry and Dee Melune</u>	Person to Contact for Additional Details: <u>Harry Melune</u>
Person Authorized to Receive Certification: <u>Harry Melune</u>	Street Address: <u>7133 2300 N Ave</u>
Street Address: <u>7133 2300 N Ave</u>	City: <u>Walnut</u> State: <u>IL</u>
City: <u>Walnut</u> State: <u>IL</u>	Zip: <u>61376</u> Phone: <u>815 303 3281</u>
Zip: <u>61376</u> Phone: <u>815 303 3281</u>	Email Address: <u>hmelune@yghon.com</u>
Email Address: <u>hmelune@yghon.com</u>	

II. Facility Information:

Facility Location: Quarter Section: NW Township: 17N Range: 7E
 Municipality: _____ Township: Manlius

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

Address: 6158 2100 N Ave City: Sheffield IL 61361
 State: IL Zip Code: 61361 County: Edgar Bureau Book Number: _____

Property Index Number: 08-19-100-004

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:

NA

Permit Information:

WPC Construction Permit Number: _____ Date Issued: _____

NPDES Permit Number: ILB 10W326 Date Issued: March 2 Exp. Date: 3/31/2017

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:

NA

Materials Used in the Process:

NA

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):

See Attachment

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

See Attachment

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).

Federal: Title 35, Subtitle E, Chapter I, Part 502&502; State: Title 8, Chapter 1, Subchapter t, Part 900

Nature of Contaminants or Pollutants:

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

Contaminant or Pollutant	Material Retained, Captured or Recovered	
	Description	Disposal or Use
Swine Manure	Manure	Land Application for Crop Nutrients

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: 11/01/2016

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

ops will be placed Dec. 2016

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))

Harry H. ...
Printed Name: _____ Title: _____

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

[Signature] *10/23/2016*
Signature: _____ Date: _____

RECEIVED
OCT 28 2016

IEPA
BOWWPC/PERMIT SECTION

Application for Certification (Property Tax Treatment) Pollution Control Facility
Harry and Dee McCune

ATTACHMENT 1: Facility Pollution Control Facility Description

The facility consists of two barns: 265'x71'2" swine buildings with each having 10ft deep concrete storage pit. Precast concrete slotted floors enable excreta and wastewater to fall through and accumulate in the below floor pit. The barns have 8 pumpout pits that collect manure and allow manure transfer through a hose to be pumped for field application.

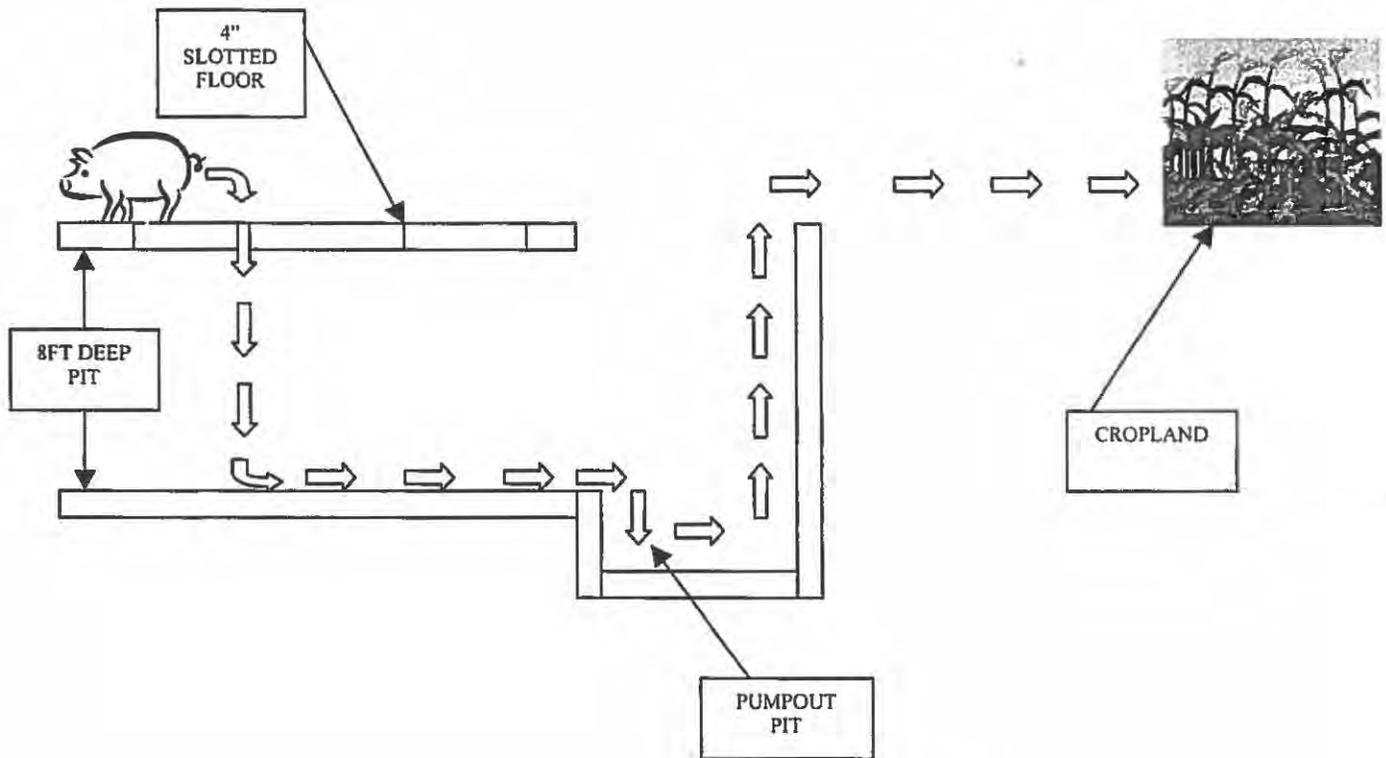
Each building has an animal capacity of 2490 head of wean-finish swine with total site capacity of 4980 head.

The building identified as E1 and P1 on the plans has a 10ft deep pit that consists of a 4" thick slab and 8" thick pit walls. The walls have footings that are 10" thick and 1'-6" wide. Columns within the pit are 12" in diameter, 9'-2" tall and supported by 33"x33" square footings. The columns support 8"x10"x12ft long precast concrete floor beams. The floor beams support a 4" thick precast concrete slotted gang slat floor. Each pumpout pit is 6'-0" x 6'-0" with 8" thick walls. Footings around the pumpout pit walls measure 1'-6" by 1'-4" inches thick. The recessed sump area is 3'-10"x 5'-4" x 11" deep.

The facility protects ground and surface water by providing collection and storage of livestock waste for about 365 days. Subsequently, the waste may be applied agronomically to cropland under proper soil and weather conditions for safe use.

Application for Certification (Property Tax Treatment) Pollution Control Facility
Harry and Dee McCune

MANURE DIAGRAM



ATTACHMENT 2: Purpose of Pollution Control Facility

The primary purpose of the facilities is to provide housing for wean to finish swine and storage for the manure until it can be properly land applied to cropland at agronomic rates.



3116 N. Dries Lane, Suite 100
Peoria, IL 61604

TEL 309-693-7615
FAX 309-693-7616

PROJECT: Harry McCune
PROJECT NO.: 23815017.02
BY: CSK DATE: 10/25/2016

LETTER OF TRANSMITTAL

TO: Illinois EPA
Division of Water Pollution Control
1021 N. Grand Ave. East, P. O. Box 19276
Springfield, IL 62794-9276

SUBJECT: Application for
Certification (Property
Tax Treatment)

ATTENTION: Al Keller, Permit Section

TRANSMITTING: Herewith
 Under Separate Cover

BY: Messenger
Mail
UPS

ENCLOSED: Prints
 Specifications
 Shop Drawings
 Copies
 Other

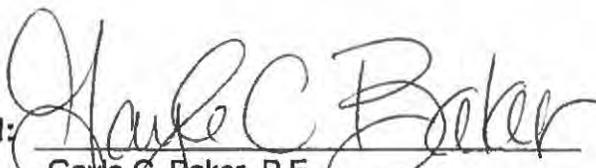
FOR: Approval
Your Files
Your Signature
Distribution
Per Your Request

COPIES:	DESCRIPTION:
1	"Application for Certification (Property Tax Treatment) Pollution Control Facility" for Harry and Dee McCune

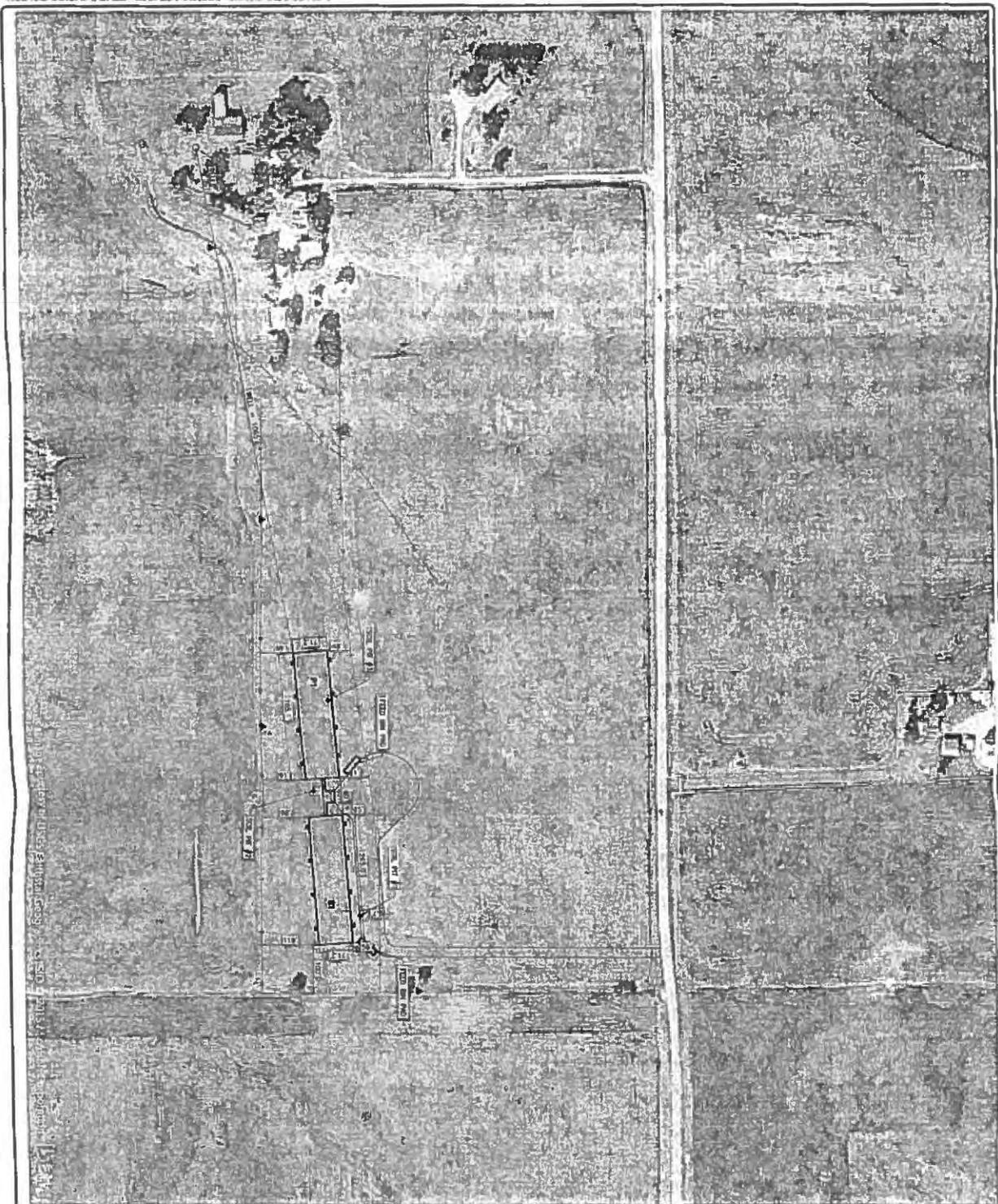
REMARKS: Mr. Keller,

Enclosed find the above referenced Application.

cc: Harry & Dee McCune (Certified Mail # 7007 2560 0002 9703 6129)

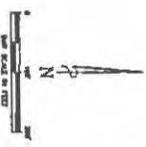
FROM: 
Gayle C. Baker, P.E.
Agricultural Services Engineer

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IEPA
BOW/WPC/PERMIT SECTION



▲ LEASE
 △ TYPICAL CONTROL POINT
 + NEW EXISTING
 ○ PROPOSED STORM SEWER

REVISIONS	
NO.	DESCRIPTION
01	ISSUE FOR FACILITY (LAYOUT CONSTRUCTION)
02	REVISIONS TO FACILITY (LAYOUT CONSTRUCTION)



SCALE VALID ONLY ON 77' x 14' SITE PLANS

HARRY MCCUNE

C102

DATE: 12/15/16
 DRAWN BY: JLM
 CHECKED BY: JLM
 DATE: 12/15/16

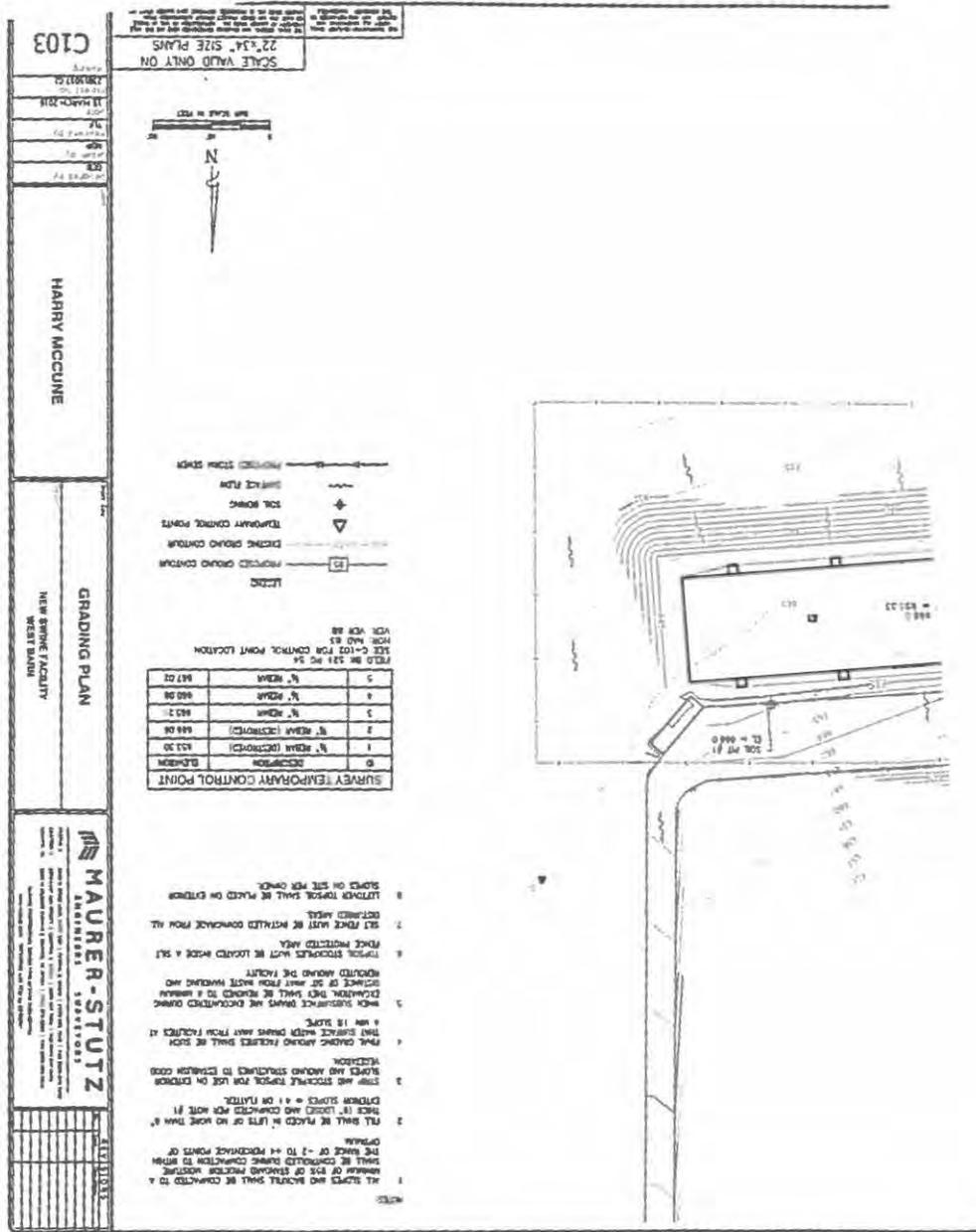
SITE PLAN

NEW SWINE FACILITY WEST BARN

MAURER-STUTZ ENGINEERS ARCHITECTS

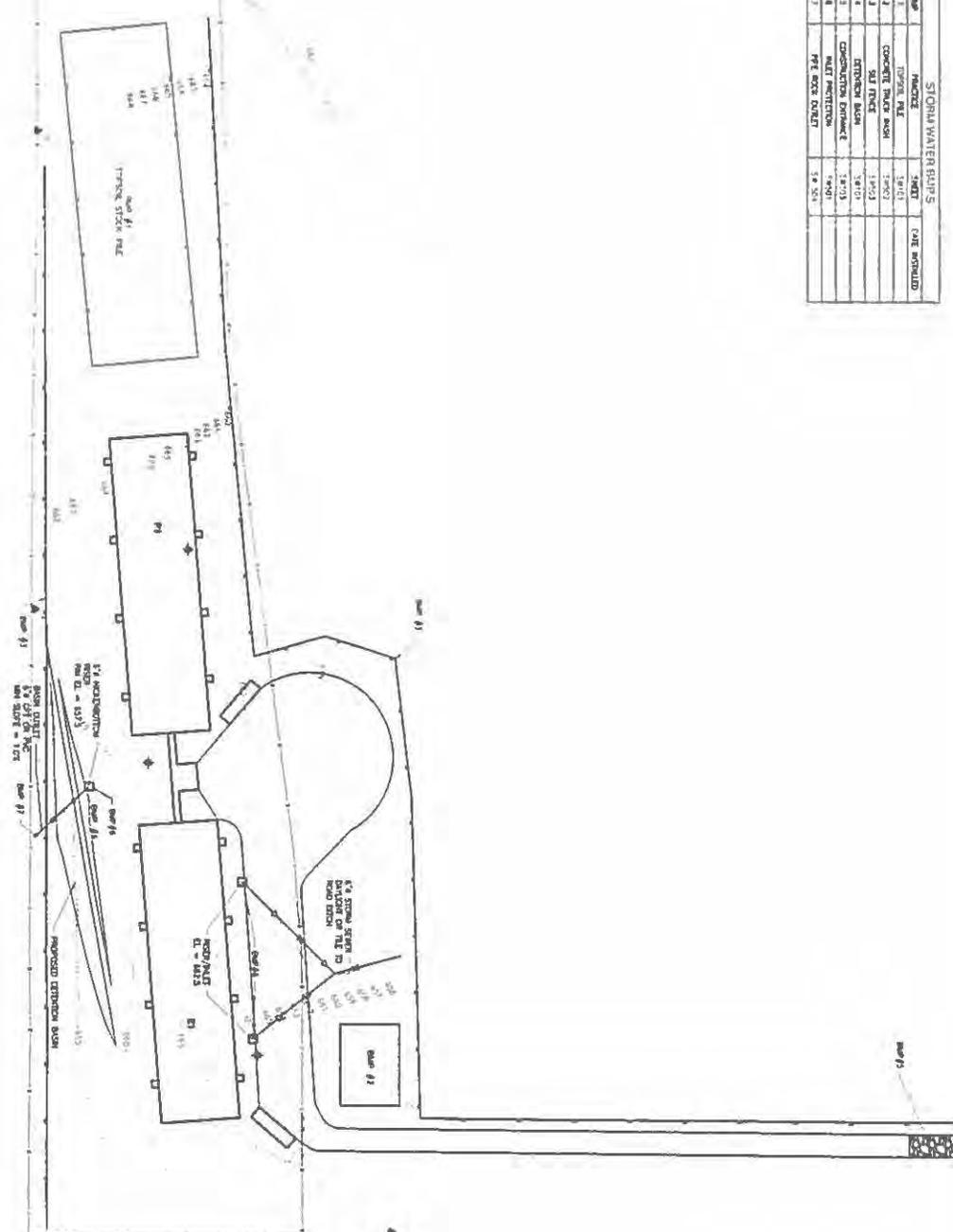
1000 W. 10th Street, Suite 1000, Des Moines, IA 50319
 515-281-1111
 www.maurer-stutz.com

REVISIONS	
NO.	DESCRIPTION



STORM WATER BASINS

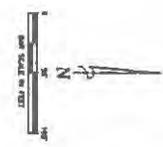
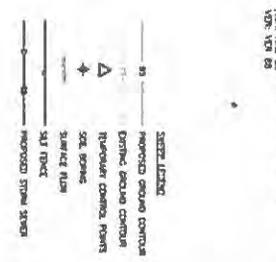
NO.	REMARKS	DATE	BY
1	CONCRETE PAVING MARK	10/20/17	
2	CONCRETE PAVING MARK	10/20/17	
3	CONCRETE PAVING MARK	10/20/17	
4	CONCRETE PAVING MARK	10/20/17	
5	CONCRETE PAVING MARK	10/20/17	
6	CONCRETE PAVING MARK	10/20/17	
7	CONCRETE PAVING MARK	10/20/17	



SURVEY TEMPORARY CONTROL POINT

ID	COORDINATE	ELEVATION
1	N. reseau (EXTENDED)	651.30
2	W. reseau (EXTENDED)	648.00
3	N. reseau	645.11
4	W. reseau	640.06
5	W. reseau	637.02

- NOTES
1. STORM AND PROPOSED PAVEMENT FOR USE ON EXISTING EXISTING AND AROUND STRUCTURES TO ESTABLISH EXISTING ELEVATION.
 2. THAT SURVEY MARKS SHOULD BE PROTECTED FROM DAMAGE BY ALL PERSONS.
 3. EXISTING STRUCTURES MUST BE LOCATED EXACTLY AS SHOWN ON THIS PLAN.
 4. ALL EXISTING STRUCTURES MUST BE LOCATED EXACTLY AS SHOWN ON THIS PLAN.
 5. ALL EXISTING STRUCTURES MUST BE LOCATED EXACTLY AS SHOWN ON THIS PLAN.
 6. ALL EXISTING STRUCTURES MUST BE LOCATED EXACTLY AS SHOWN ON THIS PLAN.
 7. ALL EXISTING STRUCTURES MUST BE LOCATED EXACTLY AS SHOWN ON THIS PLAN.
 8. ALL EXISTING STRUCTURES MUST BE LOCATED EXACTLY AS SHOWN ON THIS PLAN.



SCALE: VARIOUS ONLY ON 22' x 34' SHEET PLANS

HARRY MCCUNE

STORM WATER POLLUTION PREVENTION PLAN

NEW SWINE FACILITY WEST BARN

DATE: 10/20/17

PROJECT NO: SW101

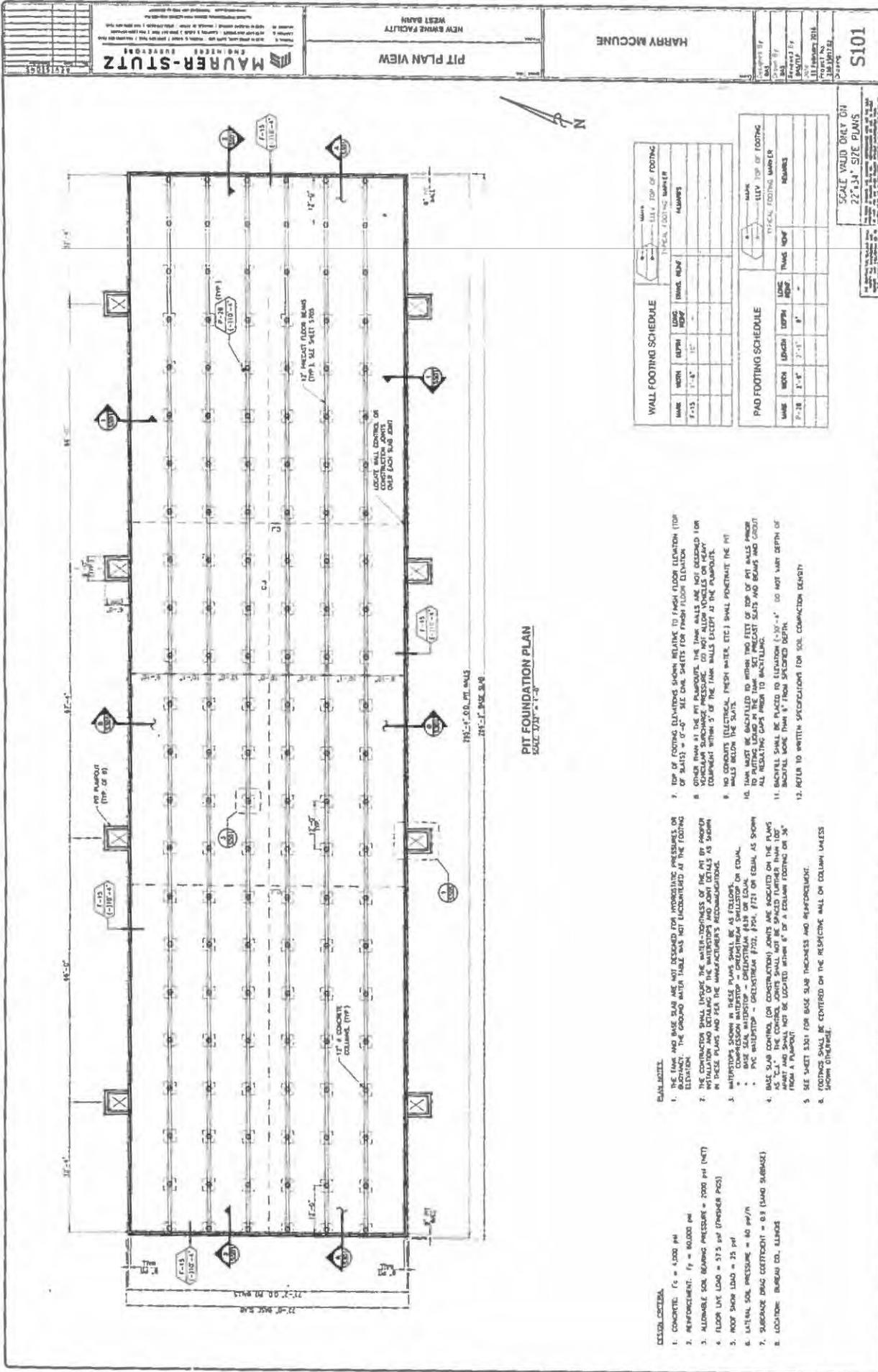
MAURER-STUTZ ENGINEERS SURVEYORS

1111 N. 10th Street, Suite 100, Lincoln, NE 68502

402.441.1111

www.mst-engineers.com

NO.	REVISION	DATE



PIT FOUNDATION PLAN
SCALE 3/32" = 1'-0"

WALL FOOTING SCHEDULE

MARK	DEPTH	WIDTH	FINISH	MARK	TYPE
F-115	1'-0"	1'-0"	CONCRETE	F-115	WALL

PAD FOOTING SCHEDULE

MARK	LENGTH	WIDTH	FINISH	MARK	TYPE
P-118	7'-1"	3'-0"	CONCRETE	P-118	PAD

SCALE VALID ONLY ON
22" x 34" SIZE PLANS

- GENERAL NOTES**
- CONCRETE AND BASE SLAB ARE NOT DESIGNED FOR HYDROSTATIC PRESSURES OR BUCKLING. THE GROUND WATER TABLE WAS NOT DETERMINED AT THE FOOTING ELEVATION.
 - THE CONTRACTOR SHALL INQUIRE THE WATER-TIGHTNESS OF THE PIT BY PROPER INSTALLATION AND DETAILING OF THE WATERSTOP AND JOINT DETAILS AS SHOWN AT THESE JOINTS AND FOR THE MANUFACTURER'S RECOMMENDATIONS.
 - WATERSTOP - CHEMISTRIUM (PVC) OR EQUAL, SCHEDULED ON EQUAL.
 - BASE SEAL WATERSTOP - CHEMISTRIUM (PVC) #121 OR EQUAL AS SHOWN
 - PVC WATERSTOP - CHEMISTRIUM (PVC) #121 OR EQUAL AS SHOWN
 - BASE SEAL WATERSTOP - CHEMISTRIUM (PVC) #121 OR EQUAL AS SHOWN
 - BASE SLAB CONTROL (OR CONSTRUCTION) JOINTS ARE LOCATED ON THE PLANS AS SHOWN. THE CONTRACTOR SHALL PROVIDE THE JOINTS WITH CURING AND PROTECTIVE JOINTS SHALL NOT BE LOCATED MORE THAN 8' FROM A PLUMBLINE.
 - SEE SHEET S301 FOR BASE SLAB THICKNESS AND REINFORCEMENT.
 - FOOTINGS SHALL BE CENTERED ON THE RESPECTIVE WALL OR COLUMN AXES AS SHOWN OTHERWISE.

- DESIGN CRITERIA**
- CONCRETE: $f_c = 4,000$ psi
 - REINFORCEMENT: $f_y = 60,000$ psi
 - ALLOWABLE SOIL BEARING PRESSURE = 2,000 psf (NET)
 - FLOOR LIVE LOAD = 57.5 psf (PREPARED PCS)
 - ROOF SNOW LOAD = 25 psf
 - LIVE-LOAD SOIL PRESSURE = 40 psf/ft
 - SUBGRADE DRAG COEFFICIENT = 0.8 (UNAD SUBGRADE)
 - LOCATION: BUREAU CO., ILLINOIS

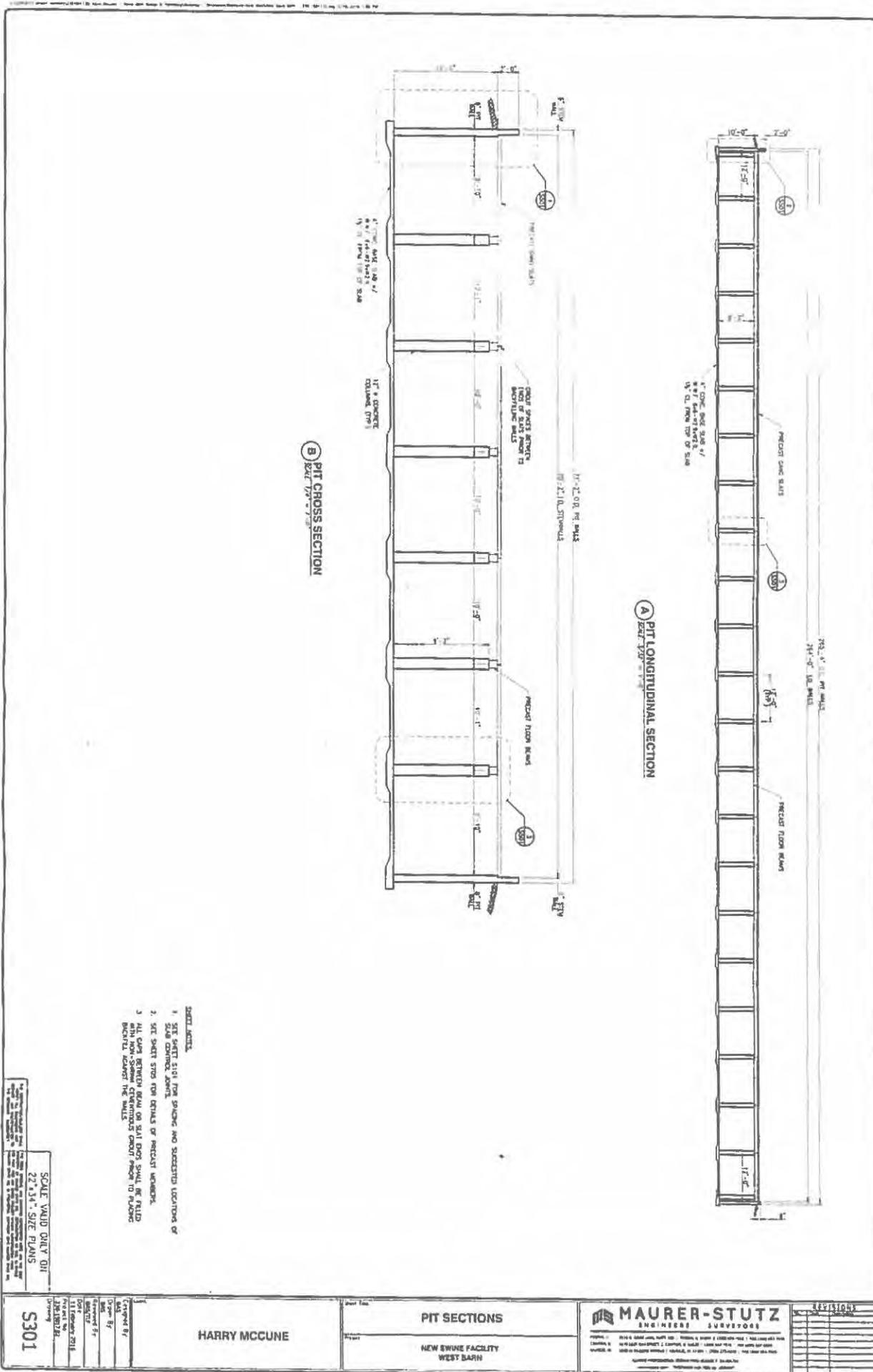
MAURER-STUTZ
ENGINEERS
ARCHITECTS

PIT PLAN VIEW
NEW BUREAU FACILITY
WEST BAY

HARRY MCCUNE

101

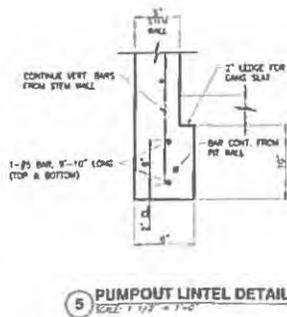
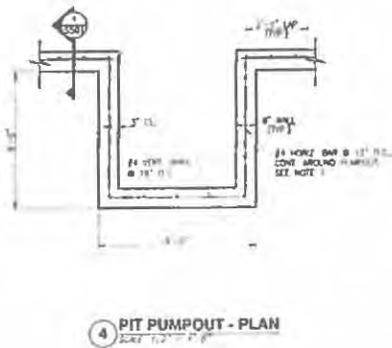
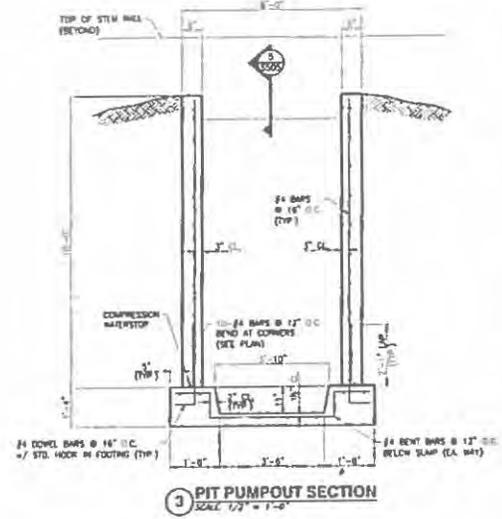
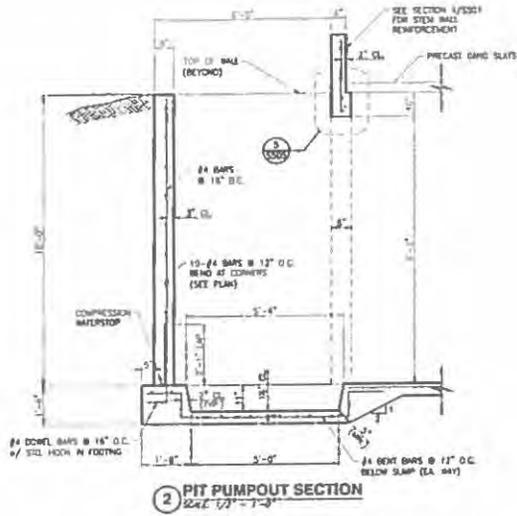
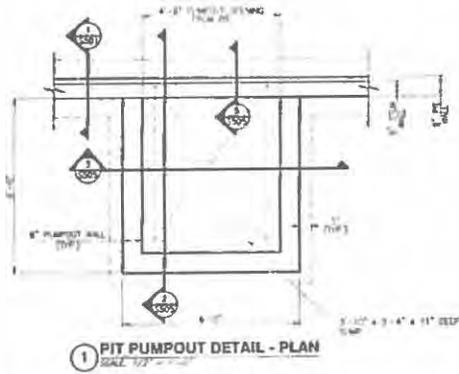
DATE: 11 FEBRUARY 2016
PROJECT: NEW BUREAU FACILITY
DRAWN BY: HARRY MCCUNE
CHECKED BY: HARRY MCCUNE
SCALE: 1/8" = 1'-0"



- NOTE:**
- SEE SHEET FOR SPACING AND SUGGESTED LOCATION OF SIDE WALLS.
 - SEE SHEET FOR DETAILS OF PIT END WALLS.
 - ALL JOISTS BETWEEN BEAM OR SLAB DECS SHALL BE FIELD BEAMS. REFER TO SHEET FOR DETAILS.

SCALE: 1/4" = 1'-0"
 SCALE VALID ONLY ON
 22" x 34" SIZE PLANS

<p>S301</p> <p>CREATED BY: HARRY MCCUNE</p> <p>DATE: 11/15/2011</p> <p>PROJECT: WEST BARN</p>	<p>PIT SECTIONS</p> <p>NEW SWINE FACILITY WEST BARN</p>	<p>MAURER-STUTZ ENGINEERS SURVEYORS</p> <p>1111 FARM ROAD WEST BARN, MA 01989 TEL: 508-253-2700 WWW.MS-ENR.COM</p>	<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	DESCRIPTION									
	NO.	DATE	DESCRIPTION												
<p>SCALE: 1/4" = 1'-0"</p>	<p>DATE: 11/15/2011</p>	<p>PROJECT: WEST BARN</p>	<p>SCALE: 1/4" = 1'-0"</p>												



SHEET NOTES:

1. "CONC." HORIZONTAL BARS AROUND PUMPOUT MAY BE SPACED AT MID-LENGTH ALONG BAY OF THE WALLS. PROVIDE LAP SPLICE PER DETAIL ON SHEET 2502. LAPS NEED NOT BE STAGGERED IN PUMPOUT.
2. CORNER DETAILS FROM SHEET 2502 NEED NOT APPLY AROUND THE PUMPOUTS.
3. HORIZONTAL LINTEL REINFORCEMENT BARS SHALL BE CENTERED ON THE PUMPOUT.
4. THE PUMPOUT SLAB AND SLUMP PIT SHALL BE POURED MONOLITHICALLY WITH THE REST OF THE SURROUNDING BASE SLAB. THE PUMPOUT WALLS SHALL BE POURED MONOLITHICALLY WITH THE ADJACENT PIT WALLS.
5. MAINTAIN MIN. 2" CLEARANCE FROM ENDS OF REINFORCEMENT BARS TO THE FORMED FACE OF CONCRETE WALLS.

MAURER-STUTZ
 CONSTRUCTION SERVICES
 1000 W. 10th Street, Suite 100, Lincoln, NE 68502
 (402) 441-1111
 www.maurer-stutz.com

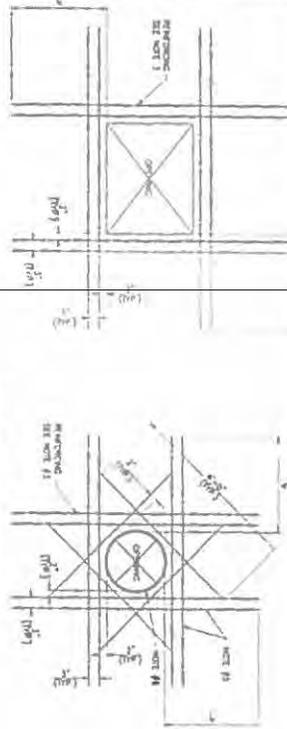
PIT PUMPOUT DETAILS
 NEW SWINE FACILITY
 SHEET 2401

HARRY MCCUNE

Design By: BMS
 Drawn By: BMS
 Reviewed By: BMS/STP
 Date: 11 February 2016
 Project No: 13038102
 Drawing:

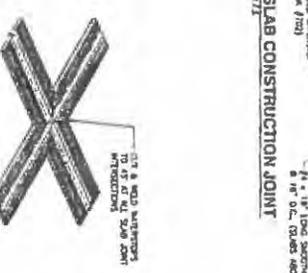
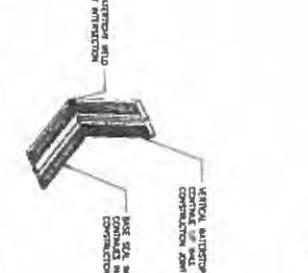
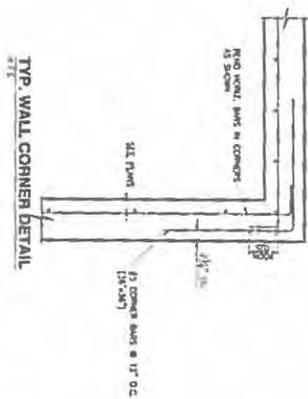
S505

SCALE VALID ONLY ON 22"x34" SIZE PLANS



- NOTES:**
1. FOR OTHERS PARTS OF DEVELOPER'S DRAWINGS SEE THESE DETAILS.
 2. FOR DETAILS AND ALL REINFORCEMENT CHANGES SEE THE DEVELOPER'S DRAWINGS FOR THE PROJECT.
 3. ALL REINFORCEMENT SHALL BE CENTERED ON GROUNDS.
 4. FOR 3/4" X 12" DEVELOPER'S LENGTH INLET.

TYP. PENETRATION DETAIL



- REINFORCEMENT NOTES:**
1. REINFORCEMENT BAR LAP SPICES SHALL BE CLASS B SPICES.
 2. REINFORCEMENT BAR LAP SPICES SHALL BE CLASS B SPICES.
 3. REINFORCEMENT BAR LAP SPICES SHALL BE CLASS B SPICES.
 4. REINFORCEMENT BAR LAP SPICES SHALL BE CLASS B SPICES.
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 8. REINFORCEMENT BAR LAP SPICES SHALL BE CLASS B SPICES.
 9. REINFORCEMENT BAR LAP SPICES SHALL BE CLASS B SPICES.
 10. REINFORCEMENT BAR LAP SPICES SHALL BE CLASS B SPICES.

DEVELOPER LENGTH	SLAB	REINFORCEMENT	WALL	STRIP
11	12"	12"	12"	12"
12	12"	12"	12"	12"
13	12"	12"	12"	12"
14	12"	12"	12"	12"
15	12"	12"	12"	12"
16	12"	12"	12"	12"
17	12"	12"	12"	12"
18	12"	12"	12"	12"
19	12"	12"	12"	12"
20	12"	12"	12"	12"
21	12"	12"	12"	12"
22	12"	12"	12"	12"
23	12"	12"	12"	12"
24	12"	12"	12"	12"
25	12"	12"	12"	12"

STANDARD HOOK LENGTH	SLAB	REINFORCEMENT	WALL	STRIP
11	12"	12"	12"	12"
12	12"	12"	12"	12"
13	12"	12"	12"	12"
14	12"	12"	12"	12"
15	12"	12"	12"	12"
16	12"	12"	12"	12"
17	12"	12"	12"	12"
18	12"	12"	12"	12"
19	12"	12"	12"	12"
20	12"	12"	12"	12"
21	12"	12"	12"	12"
22	12"	12"	12"	12"
23	12"	12"	12"	12"
24	12"	12"	12"	12"
25	12"	12"	12"	12"

SCALE: VARIOUS SIZES ON 22"x34" SIZE PLANS

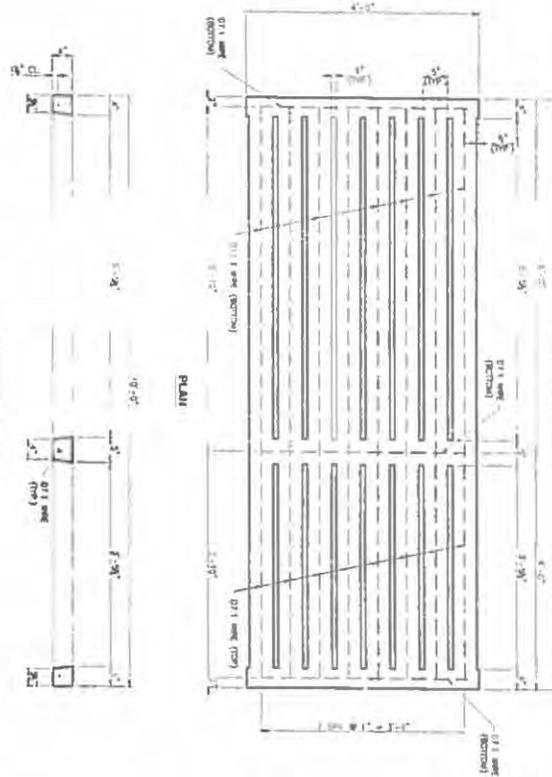
INTERSECTION OF PVC AND STRIP WATERSTOPS

SLAB JOINT INTERSECTION

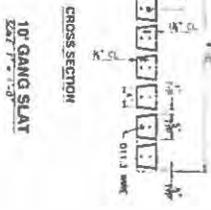
WALL/SLAB JOINT INTERSECTION

TYP. WALL CORNER DETAIL

TYP. PENETRATION DETAIL

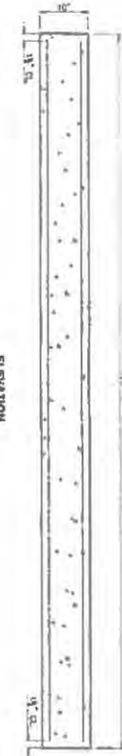


DESIGN DATA:
 CONCRETE STRENGTH $f_c = 7,000$ psi
 REINFORCEMENT $f_y = 70,000$ psi
 (ASTM A618)
 DEAD LOAD: 328 psf (unpartitioned floor load)
 188 psf (partitioned floor load)
 LIVE LOAD: (per ASCE STRENGTH DESIGN 128.1)
 65 psf (unpartitioned floor load)
 150 psf (partitioned floor load)
 75 psf (per ASCE 128.1, TABLE 4.1)
 ALL CONCRETE AND REBAR DETAILS SHALL CONFORM TO ACI 318
 AND ACI 308.1R - 08.
 REINFORCEMENT SHALL BE CUT TO LENGTH AND
 BENT TO FIT. REBAR SHALL BE COATED
 WITH AN EPOXY PAINT.

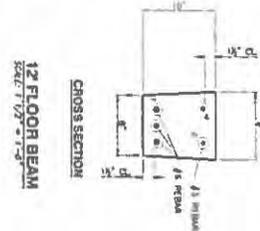


10 GANG SLAT
 SCALE: 1/2" = 1'-0"

DESIGN DATA:
 CONCRETE STRENGTH $f_c = 7,000$ psi
 REINFORCEMENT $f_y = 70,000$ psi
 (ASTM A618)
 SUPERIMPOSED FACTORED LOAD = 1950 psf
 (1.2 * DEAD + 1.6 * LIVE)
 3" MINIMUM REBAR LENGTH AT EACH END
 REBAR LENGTH AT BOTH ENDS COMBINED
 SHALL BE GREATER THAN 8"
 ALL CONCRETE AND REBAR DETAILS SHALL
 CONFORM TO ACI 318
 REBAR SPACING SHALL BE 12" O.C. UNLESS
 OTHERWISE NOTED. REBAR SHALL BE CUT TO
 LENGTH AND BENT TO FIT. REBAR SHALL BE
 COATED WITH AN EPOXY PAINT.



ELEVATION
 SCALE: 1/2" = 1'-0"

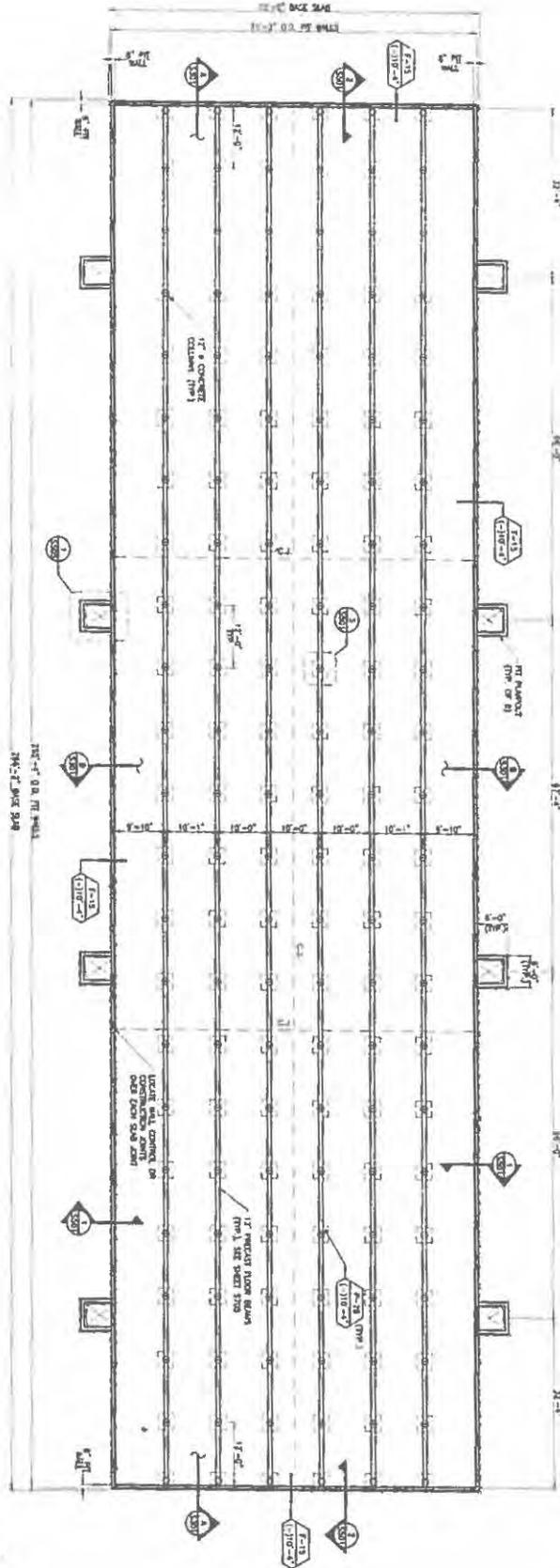


12 FLOOR BEAM
 SCALE: 1/2" = 1'-0"

MANUFACTURER: CUSTOM PRECAST, INC.

SCALE VALID ONLY ON
 22"x34" SIZE PLANS

<p>HARRY MCCUNE</p>	<p>PRECAST FLOOR MEMBERS</p>	<p>MAURER-STUTZ ENGINEERS ARCHITECTS</p>	<p>REVISIONS</p>
			<p>NEW SWINE FACILITY WEST BARN</p>
<p>Project No. 5705</p>	<p>Client: HARRY MCCUNE</p>	<p>Project No. 5705</p>	<p>Drawn By: []</p> <p>Checked By: []</p> <p>Approved By: []</p> <p>Date: 12/15/16</p>



PIT FOUNDATION PLAN
SEE SHEET 5101

- GENERAL NOTES:**
1. CONCRETE: $f_c = 4,000$ psi
 2. REINFORCEMENT: $f_y = 60,000$ psi
 3. ALLOWABLE SOIL BEARING CAPACITY - 2,000 psf (ASPT)
 4. FLOOR LIVE LOAD = 21.2 psf (PROPOSED MS2)
 5. ROOF SNOW LOAD = 23 psf
 6. WINDLOAD: USE PREVIOUS = 50 psf/ft
 7. SEISMIC BASIC COEFFICIENT = 0.8 (SMA5 SEISMIC)
 8. LOCATION: BUREAU OF MINES
- REMARKS:**
1. THE TANK AND BASE SLAB ARE NOT DESIGNED FOR UNIFORM PRESSURES OR DISTRIBUTION OF LOADS WITHIN THE TANK AND NOT CONSIDERED IN THE DESIGN OF THE CONCRETE.
 2. THE CONCRETE SHALL BEGRADE THE SUBSTRATE TO THE FINISH FLOOR FINISH AND GRADE OF THE SUBSTRATE AND JOINT DETAILS AS SHOWN IN THESE PLANS AND PER THE MANUFACTURER'S RECOMMENDATIONS.
 3. ALL REINFORCING BARS SHALL BE AS NOTED ON DRAWING.
 4. ALL REINFORCING BARS SHALL BE AS NOTED ON DRAWING.
 5. ALL REINFORCING BARS SHALL BE AS NOTED ON DRAWING.
 6. ALL REINFORCING BARS SHALL BE AS NOTED ON DRAWING.
 7. ALL REINFORCING BARS SHALL BE AS NOTED ON DRAWING.
 8. ALL REINFORCING BARS SHALL BE AS NOTED ON DRAWING.
 9. ALL REINFORCING BARS SHALL BE AS NOTED ON DRAWING.
 10. ALL REINFORCING BARS SHALL BE AS NOTED ON DRAWING.

1. TOP OF FOOTING ELEVATIONS SHOWN RELATIVE TO FINISH FLOOR ELEVATION (FF) OR SLABS = 0'-0". SEE ONE SHEET FOR FINISH FLOOR ELEVATION.
2. OTHER THAN AT THE FINISH FLOOR, THE TANK WALLS ARE NOT DESIGNED FOR ELEVATION WITHIN 5' OF THE TANK WALLS EXCEPT AT THE FOOTINGS.
3. NO CONCRETE (EXCEPT FROM ABOVE) SHALL PENETRATE THE FINISH FLOOR.
4. THE TANK SHALL BE CONSIDERED TO WITHSTAND THE FULL WEIGHT OF THE TANK WALLS FROM ALL FLOOR LOADS IN THE TANK. SET REINFORCING BARS AND BENTS AND DETAIL REINFORCING BARS TO BE SHOWN.
5. REINFORCING BARS SHALL BE PLACED TO DEVELOPEMENT $C = 20 \times d$. DO NOT VARY DOWN OR UP FROM THE DEVELOPEMENT LENGTH.
6. REFER TO SECTION SPECIFICATIONS FOR SOIL COMPACTION DENSITY.
7. REFER TO SECTION SPECIFICATIONS FOR SOIL COMPACTION DENSITY.
8. REFER TO SECTION SPECIFICATIONS FOR SOIL COMPACTION DENSITY.
9. REFER TO SECTION SPECIFICATIONS FOR SOIL COMPACTION DENSITY.
10. REFER TO SECTION SPECIFICATIONS FOR SOIL COMPACTION DENSITY.
11. REFER TO SECTION SPECIFICATIONS FOR SOIL COMPACTION DENSITY.
12. REFER TO SECTION SPECIFICATIONS FOR SOIL COMPACTION DENSITY.

WALL	WIDTH	DEPTH	LONG REINFORCING BARS	SHORT REINFORCING BARS	REMARKS
F-15	1'-0"	1'-0"	4 #4	4 #4	

WALL	WIDTH	DEPTH	LONG REINFORCING BARS	SHORT REINFORCING BARS	REMARKS
F-15	1'-0"	1'-0"	4 #4	4 #4	

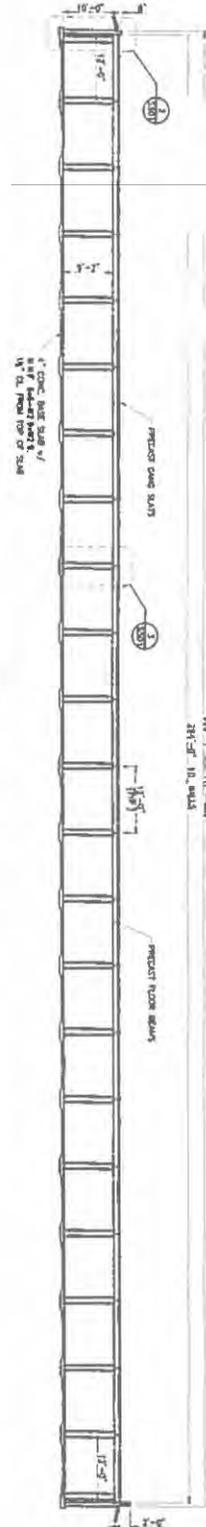


SCALE: VERTICAL ONLY ON 22 X 34 SIZE PLANS
 HARRY MCCUNE
 5101

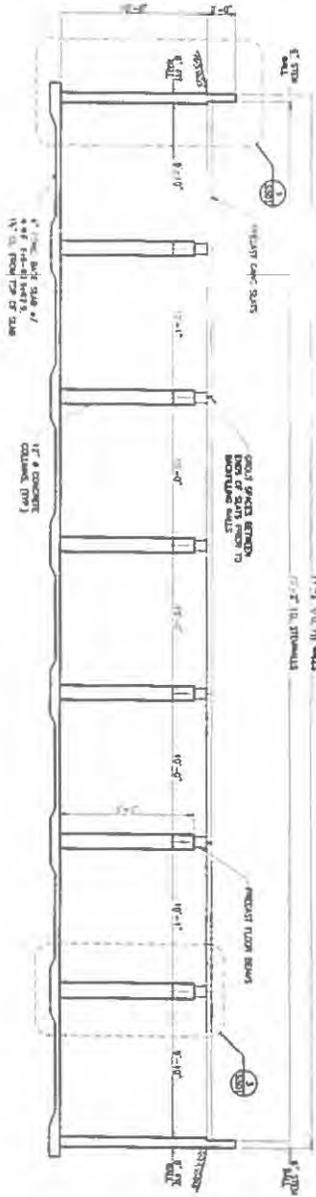
PIT PLAN VIEW
 NEW SWINE FACILITY

MAURER-STUTZ
 ENGINEERS SURVEYORS

NO.	DATE	DESCRIPTION



A PIT LONGITUDINAL SECTION
SCALE 3/8" = 1'-0"

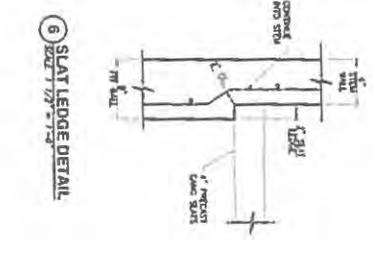
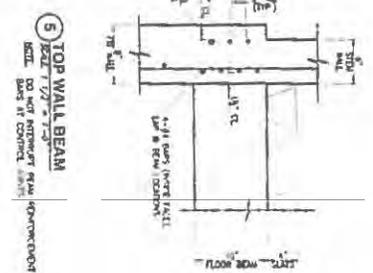
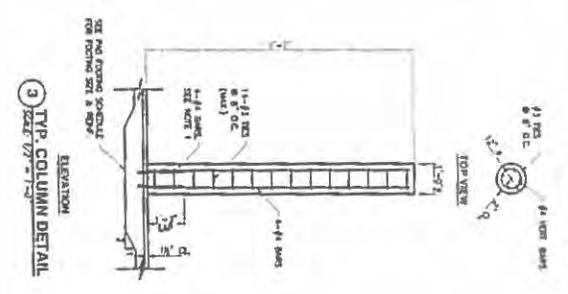
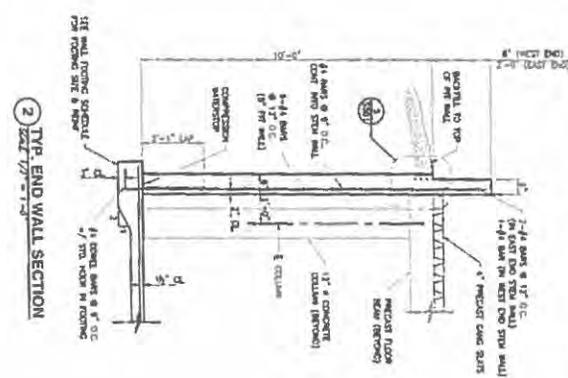
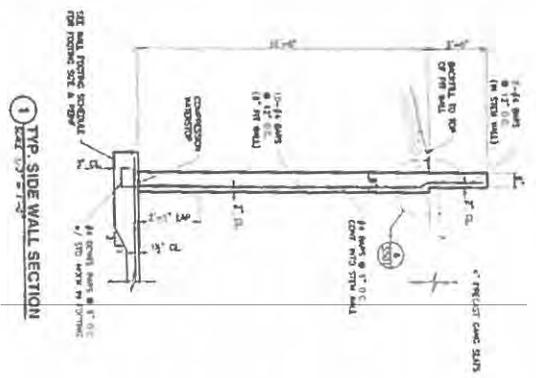


B PIT CROSS SECTION
SCALE 3/8" = 1'-0"

- SHEET NOTES:**
- SEE SHEET S107 FOR SPACING AND SUGGESTED LOCATIONS OF SLAB CORNER JOINTS.
 - SEE SHEET S703 FOR DETAILS OF PRECAST JOINTS.
 - ALL CURS BETWEEN BEAMS OR SLAB DOGS SHALL BE FILLED WITH NON-SHOWER CURTAINING CONCRETE PERIOD TO PLACE AND MOULD AROUND THE BEAMS.

SCALE (VARD ONLY ON 22"x34" SIZE PLANS

<p>S301</p>	<p>HARRY MCCUNE</p>	<p>PIT SECTIONS</p>	<p>MAURER-STUTZ ENGINEERS SURVEYORS</p>
	<p>NEW BRINE FACILITY</p>	<p>DATE: 03/06/2017</p>	



- SHEET NOTES**
1. DETAIL AND EVERY CONCRETE BARS 4" INTO CONCRETE SLAB SHALL BE SHOWN. DETAIL EVERY WALL, TO PROVIDE THE SAME FOR ALL WALLS. PROVIDE ALL REINFORCING BARS AND CONNECTIONS FOR ALL WALLS, END WALLS, AND CONNECTIONS FOR ALL WALLS.
 2. ALL WALLS, CONNECTIONS, OR DETAILING OF THE REINFORCING BARS SHALL BE SHOWN TO PROVIDE A FULL 3" HOLE RELIEF EDGE FOR THE SLAT.
 3. NO HORIZONTAL CONNECTION JOINTS SHALL BE PROVIDED IN THE WALL BEHIND THE TOP OF SLAT ELEVATION.
 4. SEE SHEET STD FOR TYPICAL COMMON BAR AND LAP STEEL DETAILS.
 5. SEE SHEET STD FOR PRECAST CONCRETE AND REINFORCING.
 6. SEE SHEET STD FOR PRECAST COLUMN DETAILS.
 7. UNLESS INDICATED OTHERWISE, ALL WALLS SHALL BE 12" UNLESS NOTED OTHERWISE IN THESE DETAILS.
 8. ALL WALLS SHALL BE REINFORCED TO RESIST THE WALL AND TO PROVIDE THE WALL WITH THE SAME STRENGTH AS THE WALL.
 9. HORIZONTAL REINFORCING BARS IN THE WALL BEHIND SHALL BE PROVIDED FOR THE LENGTH OF THE WALL. LAP SPACERS SHALL BE PROVIDED AT CONNECTIONS SHOWN IN THE DETAILS.

SCALE WALLS ONLY 1/4" = 1'-0"
 SCALE 1/2" = 1'-0"
 SCALE 3/4" = 1'-0"

HARRY MCCUNE

DATE: 11/15/16
 DRAWN BY: HMC
 CHECKED BY: HMC
 PROJECT: NEW SWIRE FACILITY

PIT WALL AND COLUMN DETAILS

NEW SWIRE FACILITY

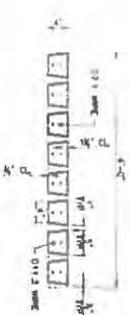
MAURER-STUTZ
 ENGINEERS SUBSTRUCTORS

1000 WEST 10TH AVENUE
 DENVER, CO 80202
 (303) 733-1111
 WWW.MAURER-STUTZ.COM

NO.	REVISIONS

DESIGN LOADS:
 CONCRETE STRENGTH $f_c = 4000$ psi
 REINFORCEMENT $f_y = 60,000$ psi
 (ACI 318-11)
 DEAD LOAD = 28.8 psf (CONCRETE, ALUM. LINDS)
 LIVE LOAD = 18.8 psf (INDUSTRIAL SLAB)
 LIVE LOAD = 175 psf (PER ACI 318-11)
 PER ACI 318-11, PERMISSIBLE MOMENT AT SUPPORTS SHALL BE 1/16 OF THE FULL POSITIVE MOMENT AT THE CENTER OF THE SPAN.
 2" MIN. REINFORC. LAYOUT AT EACH END FOR FULL WIDTH OF SLAB
 ALL CONCRETE AND REBAR DETAILS SHALL CONFORM TO ACI 318
 MIN. AGGREGATE SIZE = 1/2"
 IF NECESSARY FOR FIN. SLABS MAY BE CUT TO MIN. THK. 1'-0" (NOTHING)
 REBAR AT CUT EDGES SHALL BE COATED WITH AN EPDM / BUTY

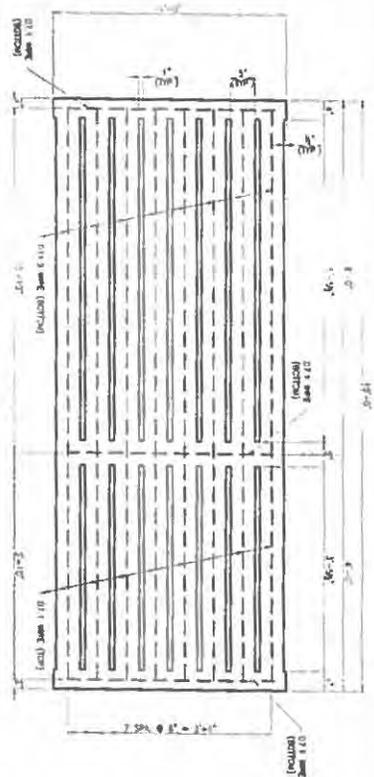
CROSS SECTION
 10" GANG SLAT
 SCALE: 1/4" = 1'-0"



LONGITUDINAL SECTION

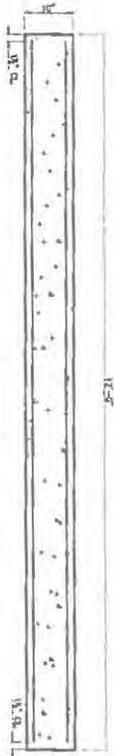


PLAN



DESIGN LOADS:
 CONCRETE STRENGTH $f_c = 4000$ psi
 REINFORCEMENT $f_y = 60,000$ psi
 (ACI 318-11)
 DEAD LOAD = 28.8 psf (CONCRETE, ALUM. LINDS)
 LIVE LOAD = 18.8 psf (INDUSTRIAL SLAB)
 LIVE LOAD = 175 psf (PER ACI 318-11)
 PER ACI 318-11, PERMISSIBLE MOMENT AT SUPPORTS SHALL BE 1/16 OF THE FULL POSITIVE MOMENT AT THE CENTER OF THE SPAN.
 2" MIN. REINFORC. LAYOUT AT EACH END FOR FULL WIDTH OF SLAB
 ALL CONCRETE AND REBAR DETAILS SHALL CONFORM TO ACI 318
 MIN. AGGREGATE SIZE = 1/2"
 IF NECESSARY FOR FIN. SLABS MAY BE CUT TO MIN. THK. 1'-0" (NOTHING)
 REBAR AT CUT EDGES SHALL BE COATED WITH AN EPDM / BUTY

ELEVATION



CROSS SECTION
 12" FLOOR BEAM
 SCALE: 1/4" = 1'-0"



MANUFACTURER: CUSTOM PRECAST, INC.

SCALE: WOULD ONLY ON
 22" x 34" SIZE PLANS

5705

HARRY MCCUNE

PRECAST FLOOR MEMBERS

NEW SWIRE FACILITY

MAURER-STUTZ
 ENGINEERS ARCHITECTS

MAURER-STUTZ ENGINEERS ARCHITECTS
 1000 N. 10TH ST., SUITE 100
 DENVER, CO 80202
 TEL: 303.733.1111
 FAX: 303.733.1112
 WWW: MAURER-STUTZ.COM

NO.	REVISION

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 March 6, 2017, 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:

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

Harry McCune
7133 2300 N. Avenue
Walnut, Illinois 61376

[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/ Christine M. Zeivel
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)

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