

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

Meier Meadows)
(Property Identification Number) PCB 18-
07-14-23-400-003) (Tax Certification)
)

NOTICE


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

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

Jason Meier
5 North Dakota Road
Ridott, Illinois 61067

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: 

Michael S. Roubitchek
Assistant Counsel
Division of Legal Counsel

DATED: December 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

Meier Meadows)
(Property Identification Number) PCB 18-
07-14-23-400-003) (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: 

Michael S. Roubitchek
Assistant Counsel
Division of Legal Counsel

DATED: December 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

Meier Meadows)
(Property Identification Number) **PCB 18-**
07-14-23-400-003)) **(Tax Certification)**
)

RECOMMENDATION OF THE ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

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

1. On March 14, 2017, the Illinois EPA received a request from Meier Meadows (log number TC-137670, Exhibit A) for an Illinois EPA recommendation regarding the tax certification of water pollution control facilities pursuant to 35 Ill. Adm. Code 125.204. An update to the initial request, which contained corrected information, was received by the Illinois EPA on July 18, 2017.
2. The facility's address is: Meier Meadows
SW Corner of Maize Road and Dakota Road
Freeport, IL 60132

The proposed water pollution control facilities in this request are located in the SE ¼ of Section 23, T27N, R8E of the 4th P.M. in Stephenson County, at the above street address and consist of the following:

Livestock waste holding facilities consisting of one (1) concrete sand processing room (approximately 55 ft. x 96 ft.) that separates manure from sand-laden liquid collected from freestall barns, and one (1) concrete livestock waste holding basin (approximately 350 ft. x 150 ft. x 17 ft.) that stores manure and wastewater.

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 (2014) and 35 Ill. Adm. Code 125.200(a).
5. Upon receipt of a tax certification application, the Illinois EPA must file a recommendation on the application with the Board, 35 Ill Adm. Code 125.204(a).
6. Based on the information in the application and the purpose of the facility, it is the Illinois EPA's engineering judgment that the described facilities may be considered "pollution control facilities," pursuant to 35 Ill. Adm. Code 125.200(a), with the primary purpose of eliminating, preventing, or reducing water pollution, or as otherwise provided in 35 Ill. Adm. Code 125.200, and are eligible for tax certification from the Board.

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

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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

Dated: December 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, DIRECTOR

Memorandum

To: Charles Gunnarson, Division of Legal Counsel

From: Al Keller, Manager, Permit Section

Date: October 11, 2017

Re: Meier Meadows – Freeport
Recommendation of Tax Certification
Log # TC-137670
Property Index# 07-14-23-400-003

The Bureau of Water received a request on March 14, 2017 from Glen Meier 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:

Meier Meadows
SW Corner of Maize and Dakota Rd
Freeport, IL 60132

Section 23, T27N, R8E of the 4th PM in Stephenson County

The livestock waste handling facilities consisting of one (1) concrete sand processing room (approximately 55 ft. x 96 ft.) that separate manure from sand laden liquid collected from freestall barns, and one (1) concrete livestock waste holding basin (approximately 350 ft. x 150 ft. x 17 ft.) that stores manure and wastewater. 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: Meier Meadows

Date: July 18, 2017

Type: Agchem
 Livestock

Reviewer: WH

Log number: TC-137670

Contact: Matthew Wagner
709 Oak St.
Lena, IL 61048

Applicant: Jason Meier
5 North Dakota Rd.
Ridott, IL 61067

Phone: 815-275-7642

Facility: Meier Meadows
SW Corner of Maize and Dakota Rd.
Freeport, IL 60132

Property Index#: 07-14-23-400-003

Parcel#:

County: Stephenson

Legal Description:
Section: 23 Twp: 27N R: 8E PM: 4th

Signature: Glen Meier

Date Control Devices installed: February 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 one (1) concrete sand processing room (approximately 55 ft. x 96 ft.) that separate manure from sand laden liquid from freestall barn, and one (1) concrete livestock waste holding basin (approximately 350 ft. x 150 ft. x 17 ft.) that stores manure and wastewater. The facility collects, transports and stores livestock waste prior to cropland application.

03/20/2017: Called Matt Wagner to withdraw solid manure stacking areas at hospital pens and sort pens.

07/15/2017: Received revised 2nd page of the application form through email from Matt Wagner. Only sand processing room and the manure holding basin are requested to be certified. Hospital pens and sort pens are withdrawn from the request.

07/18/2017: Received email from Matt Wagner for the correction of property index number: 07-14-23-400-003.

Pollution control facilities requested by the applicant to be certified:

One (1) concrete sand processing room (55 ft. x 96 ft.)

One concrete lined manure holding pond (350 ft. x 150 ft. x 17 ft.)

The above facilities were indicated in the description of pollution control facilities in the 2nd page of the application form. Hospital pens and sort pens are withdrawn from the request by the revised 2nd page received 07/18/2017.

A schematic flow diagram from manure generation to land application is attached to the application form received 03/13/2017. A narrative about the pollution control procedure is provided by the Description of Pollution Abatement Control Facility sheet attached to the original application.

Recommended Action: Issue tax certification.

Han, Wei

From: Matt Wagner <wagnerconsultag@mediacombb.net>
Sent: Tuesday, July 18, 2017 2:33 PM
To: Han, Wei
Subject: [External] Meier Meadows

The full property index number for Meier Meadows is 07-14-23-400-003.

Matthew Wagner, P.E.
Wagner Consulting & Agriculture, LLC.
709 West Oak Street
Lena, Illinois 61048
wagnerconsultag@mediacombb.net
Phone: 815-275-7642

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Wagner Consulting & Agriculture, LLC.
709 West Oak Street
Lena, Illinois 61048
wagnerconsultag@mediacombb.net
815-275-7642

July 15, 2017

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

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JUL 18 2017

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DOW/WP-C/PERMIT SECTION

Attn: Wei Han

Re: Meier Meadows Tax Certification

To Wei Han:

On behalf of Meier Meadows, we are updating the tax certification form as requested. Please remove the hospital pens (56' x 22'4") and sort pens (24'7" x 14'4" x 87'4") from the items that were previously requested to be certified. We are now just requesting that the concrete lined manure storage (350' x 150' x 16' to 18'10") and concrete sand room (54'8" x 96') be certified. Also in response to your review comments, we have removed those items from the application and updated page 2 of the tax certification from which is attached.

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

Sincerely,

WAGNER CONSULTING & AGRICULTURE, LLC.

BY Matthew Wagner
Matthew Wagner, P.E.

MW:aw

Encl.

cc: Meier Meadows w/ encl.
File

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:

In the sand room, processing equipment is used to remove the sand from the waste stream, so that the sand can be reused for bedding. The remaining waste stream is pumped with an Houle pump to the concrete lined manure storage structure where the waste is stored until field conditions are appropriate for land application of the waste stream.

Materials Used in the Process:

sand, solid manure, and liquid manure

JUL 18 2017
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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):

Concrete Lined Manure Storage - 350' x 150' x 16' to 18'10"
Concrete Sand Room - 54'8" X 96'

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

See attached sheet

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

The Livestock Management Facilities Act was required to be met in regards to the pollution control devices that were installed at this facility.

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	Solid	Hospital Pens & Sort Pens
Manure	Liquid	Concrete Lined Waste Holding Basin & Sand Room
Milkhouse waste water	Liquid	Concrete Lined Waste Holding Basin & Sand Room

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



Wagner Consulting & Agriculture, LLC.
709 West Oak Street
Lena, Illinois 61048
wagnerconsultag@mediacommb.net
815-275-7642

March 8, 2017

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

Attn: Al Keller, Permit Section
Permit Section

Re: Tax Certification for Livestock Waste Management Facilities

To Al Keller:

On behalf of Meier Meadows, we are submitting the tax certification from for livestock waste management facilities for four facilities recently constructed on the farm. The facilities consist of a concrete lined waste holding basin being 350' x 150' x 16' to 18'10", a concrete sand room being 54'8" x 96', two hospital pens with an overall size of 56' x 22'4", and sort pens with sizes of 24'7" x 30'4" and 14'4" x 87'4" respectively. We are including a brief narrative of the pollution control abatement facilities. We are also including a copy of the construction drawings for the project.

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

Sincerely,

WAGNER CONSULTING & AGRICULTURE, LLC.

BY Matthew Wagner
Matthew Wagner, P.E.

MW:aw

Encl.

cc: Meier Meadows w/ encl.
File

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MAR 14 2017

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Illinois Environmental Protection Agency

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

Application for Certification (Property Tax Treatment) Pollution Control Facility

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

Facility Type (check one): Air Water

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

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

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

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

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I. Applicant Information:

Company Name: <u>Meier Meadows</u>		
Person Authorized to Receive Certification: <u>Jason Meier</u>	Person to Contact for Additional Details: <u>Matthew Wagner</u>	
Street Address: <u>5 North Dakota Road</u>	Street Address: <u>709 Oak Street</u>	
City: <u>Ridott</u> State: <u>IL</u>	City: <u>Lena</u> State: <u>IL</u>	
Zip: <u>61067</u> Phone: <u>815-275-2869</u>	Zip: <u>61048</u> Phone: <u>815-275-7642</u>	
Email Address: <u>meiermeadowshols@aol.com</u>	Email Address: <u>wagnerconsultag@mediacombb.net</u>	

II. Facility Information:

Facility Location: Quarter Section: 23 Township: 27N Range: 8E
Municipality: Freeport Township: Lancaster

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

Address: SW corner of Maize and Dakota Road City: Freeport
State: _____ Zip Code: 60132 County: Stephenson Book Number: _____
Property Index Number: 14-23-400-003

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

Manufacturing Operations Information:

Nature of Operations Conducted at the Above Location:

Permit Information:

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

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

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

Manufacturing Process Information:

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

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Materials Used in the Process:

MAR 14 2017

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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):

Concrete Lined Manure Storage - 350' x 150' x 16' to 18'10"
 Concrete Sand Room - 54'8" X 96'
 Hospital Pens - 56' x 22'4"
 Sort Pens - 24'7" x 30'4" & 14'4" x 87'4"

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

See attached sheet

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

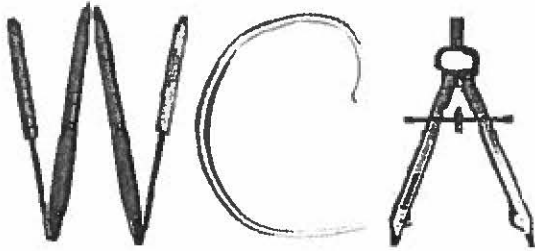
The Livestock Management Facilities Act was required to be met in regards to the pollution control devices that were installed at this facility.

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	Solid	Hospital Pens & Sort Pens
Manure	Liquid	Concrete Lined Waste Holding Basin & Sand Room
Milkhouse waste water	Liquid	Concrete Lined Waste Holding Basin & Sand Room

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



Wagner Consulting & Agriculture, LLC.
709 West Oak Street
Lena, Illinois 61048
wagnerconsultag@mediacombb.net
815-275-7642

March 10, 2017

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MAR 13 2017

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

Attn: Al Keller, Permit Section
Permit Section

Re: Tax Certification for Livestock Waste Management Facilities

To Al Keller:

On behalf of Meier Meadows, please include this signature page (page 3 of the tax certification form) that I previously submitted. I did not have it signed at the time I sent the other paperwork.

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

Sincerely,

WAGNER CONSULTING & AGRICULTURE, LLC.

BY Matthew Wagner
Matthew Wagner, P.E.

MW:aw

Encl.

cc: Meier Meadows w/ encl.
File

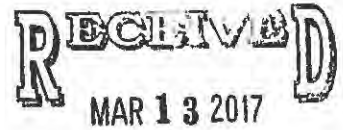
Point(s) of Waste Water Discharge:

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

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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: Feb 6, 2017

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

The pollution control facility is not currently in operation as the freestall barn and other dairy facilities on the farm are not completed that allow for the site to be operational and producing manure. As soon as those facilities are completed and the site is operational the pollution control devices will be operational.

Status of installation on date of application:

The pollution control devices are 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))

Glen Meier owner
 Printed Name: Title:

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

[Signature] 3/10/17
 Signature: Date:

Description of Pollution Abatement Control Facility

The completed pollution abatement control facility is used to handle waste for this facility and to eliminate or reduce pollution. For this facility there are a couple of items that are being used to achieve this. The first would be the sand processing room. The sand processing room has much equipment that is used for various purposes, but the equipment is removing the manure laden water and transferring that waste stream to the waste holding basin or taking that water and reflusing it thru the barn to help with the manure transfer and manure removal in the barn. The sand is being removed from the waste stream to be recycled and reused as bedding. The concrete sand room is 54'8" x 96' in size. The waste holding basin would be the second pollution abatement control facility. The waste holding basin is 350' x 15' x 16' deep and slopes the north to a depth of 18'10". This facility provides for waste storage for the manure laden wastewater until the waste is land applied on farm ground at the appropriate agronomic rates.

The other pollution control abatement facilities are the solid manure storage areas. These would be the areas that are located alongside the breezeway or holding area. These areas would be used for special needs cows or closeup cows. The areas could be used to stack manure prior to the land application of the waste or transfer to the concrete waste holding basin. These facilities have sizes of 56' x 22'4" for the hospital pen and 24'7" x 30'4" and 14'4" x 87'4" for the sort pens respectively.

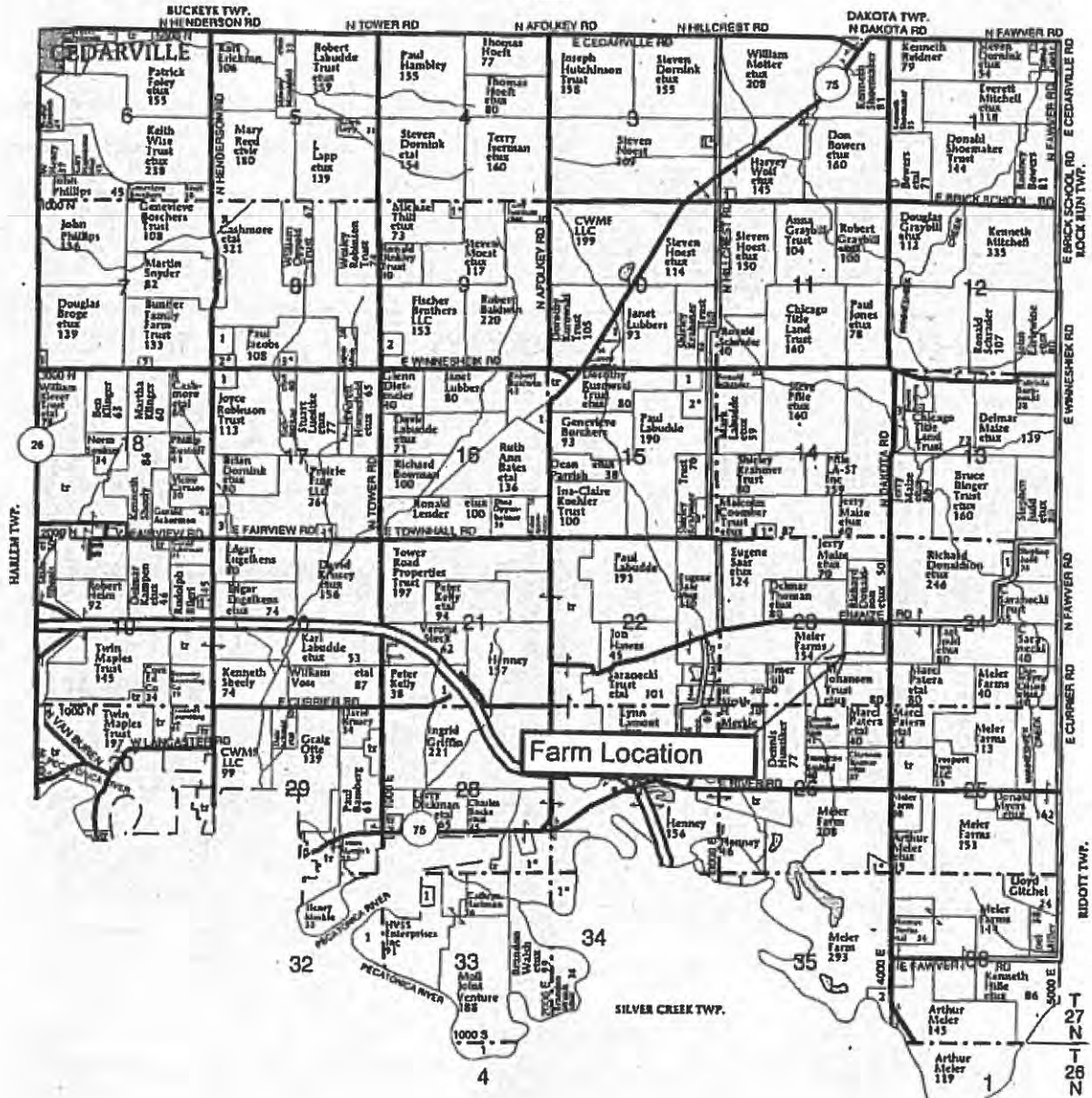
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T-26-27-N

LANCASTER PLAT
(Landowners)

R-8-E



- LANCASTER TOWNSHIP**
- SECTION 2**
 - 1. Gilt Edge Farms Inc 5
 - SECTION 3**
 - 1. Akers, Jack 7
 - SECTION 4S**
 - 1. Mott Joint Venture 15
 - SECTION 7**
 - 1. Tributa Precast Systems 7
 - 2. Huenefeld, David 10

- SECTION 8**
- 1. Schubert, David 11
- 2. Jacobs, Steven 5
- 3. Jacobs, Paul 11
- SECTION 9**
- 1. Simler, Michael 5
- 2. Pals, Larry 8
- SECTION 10**
- 1. Lubbers, Janet 10
- 2. Schrader, Ronald 30
- SECTION 12**
- 1. Pfile LA-ST Inc 10
- 2. Schrader, Ronald 13

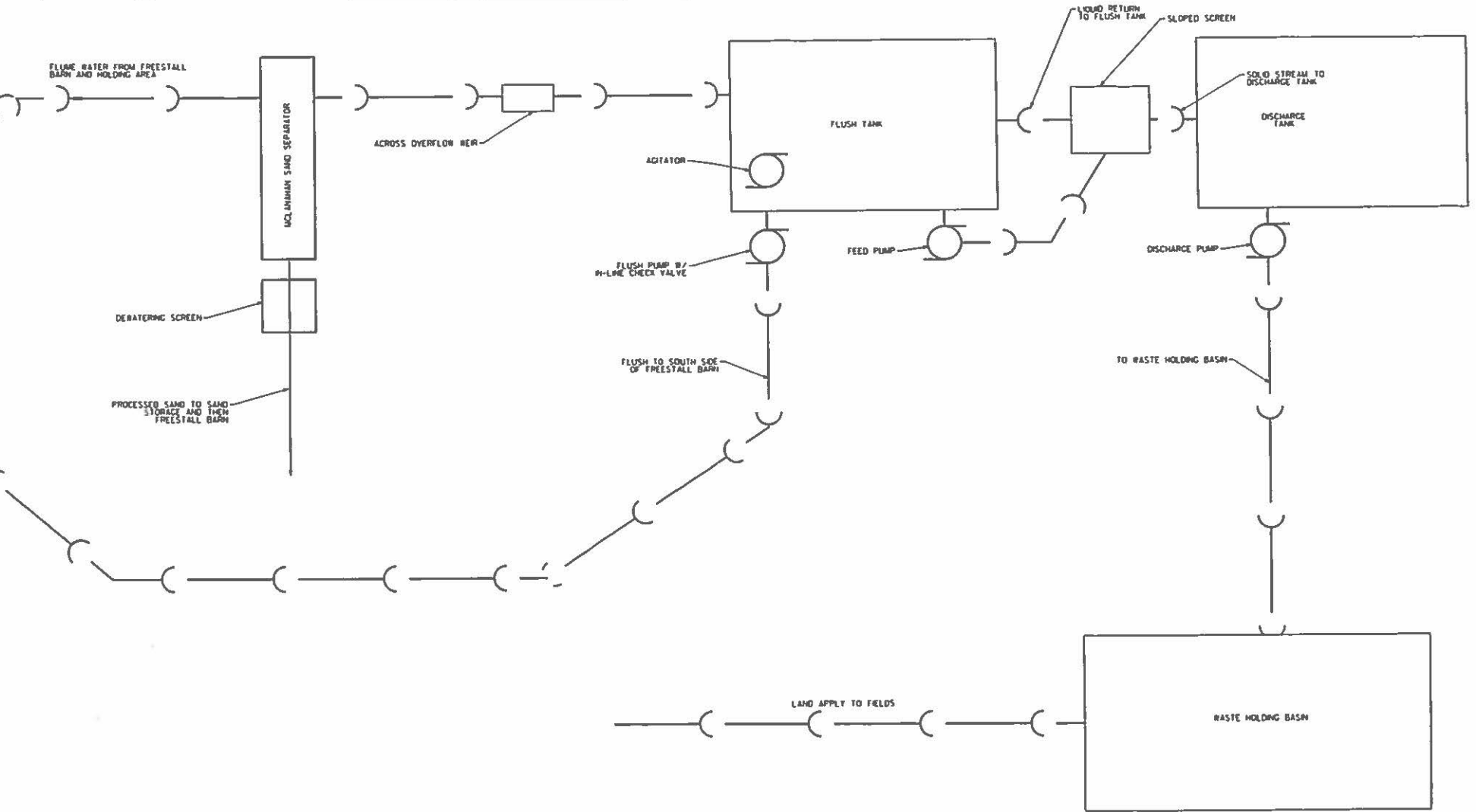
- 3. Pfile LA-ST Inc 10
- SECTION 14**
- 1. Guiffrea, Salvatore 13
- SECTION 15**
- 1. Krahmer Trust, Shirley 19
- 2. Labudde, Merk 11
- 3. Coomber Trust, Malcolm 8
- SECTION 18**
- 1. Borchers, Genevieve 10

- SECTION 17**
- 1. Bielefeldt, Ryan 6
- 2. Burgener, Thomas 12
- 3. Dimodica, Jayson 15
- 4. Boettner, David 5
- SECTION 19**
- 1. Trimble, Marvin 6
- SECTION 21**
- 1. Packee, Daniel 14
- SECTION 22**
- 1. Meier Farms 10
- 2. Hill, Elmer 19
- 3. Merkle, H 20

- SECTION 24**
- 1. Hoffman, Stephen 5
- SECTION 28**
- 1. Breeze, Gary 6
- SECTION 28**
- 1. Walsh, Brandon 18
- SECTION 32**
- 1. HVSS Enterprises Inc 22
- SECTION 33**
- 1. Cannova, Shell 6
- SECTION 34**
- 1. Walsh, Brandon 14

- SECTION 35**
- 1. Henney, J 8
- 2. Meier, Arthur 7

Electronic Filing: Received, Clerk's Office 12/06/2017 * PCB 2018-044 *



REVISIONS			
NO.	DATE	BY	REMARKS

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

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

CONTACT JULIE AT 815 CR 800-892-0123
 With the following:
 County _____
 City/Township _____
 Sec. & T4 Sec No _____
 48 HOURS (2 working days) BEFORE YOU DIG

MEIER MEADOWS
 DAKOTA ROAD
 RIDOTT, ILLINOIS, 61067
 SCHEMATIC FLOW DIAGRAM

PROJECT NO.	SDW14
DATE	08/21/15
SHEET NO.	X
OF (XX) SHEETS	5

SHEET INDEX

DESCRIPTION	SHEET NO.
COVER SHEET AND LOCATION MAP	1
OVERALL SITE DESIGN	2
FREESTALL BARN SITE DESIGN	3
HOLDING AREA, WALKWAY & PARLOR SITE DESIGN	4
HOLDING AREA, WALKWAY & PARLOR PLAN VIEW	4A
PLAN VIEW OF FREESTALL BARN	5
ADDITIONAL FREESTALL BARN DETAILS	6
FLUME AND CONCRETE DETAILS	7
CONCRETE DETAILS & SPECIFICATIONS	8
WASTE HOLDING BASIN PLAN VIEW AND DETAILS	9
WASTE HOLDING BASIN DETAILS	10
SAND PROCESSING ROOM PLAN VIEW	11
SAND PROCESSING ROOM CONCRETE WALL DETAILS	12-13
SAND PROCESSING ROOM CHANNEL & WALL DETAILS	14
FLUME AND DISCHARGE TANK PLAN VIEW	15
FLUME AND DISCHARGE TANK SECTIONS	16
CHANNEL AND WALL DETAILS	17
WALL DETAILS	18
KOMRO SHEET A01	19
KOMRO SHEET P00	20
KOMRO SHEET M00	21
SAND ROOM SECTIONS	22
MILKING PARLOR DETAILS	23
CROSS SECTIONS OF HOLDING AREA, BREEZEWAY & RWB	24
CROSS SECTIONS OF RWB & CONCRETE CHANNEL DETAILS	25
CROSS SECTIONS OF SORT PEN AND FLUSH HEAD DETAILS	26
KOMRO ADDITIONAL DRAWINGS	

LEGEND

	EDGE OF BUILDING
	PROPOSED GRAVEL ROADWAY
	PERIMETER DRAIN TILE
	ROADWAY CENTERLINE

REVISIONS				DRAWN
NO.	DATE	BY	REMARKS	M.L.W.
				CHECKED
				A.A.W.
				APPROVED
				M.L.W.

W A

WAGNER CONSULTING & AGRICULTURE
707 WEST DAK STREET
LENA, ILLINOIS, 61041
815-275-7642
WWW.WAGNERCONSULTINGANDAGRI.COM/WEB

CONTRACT JUNE AT 311 CR 800 832 0123
2018-06-18-2018
JULIE
City of Lena
Sec 4 11 Sec 10
18-02-712-1000-0001-0000-0000-0000-0000

MEIER MEADOWS
DAKOTA ROAD
RIDOTT, ILLINOIS 61067

COVER SHEET AND LOCATION MAP

PROJECT NO.
50114
DATE
04/13/16
SHEET NO.
1
OF 127 SHEETS

PROPOSED DAIRY INCLUDING FREESTALL BARN,
MILKING PARLOR, SAND PROCESSING ROOM,
AND CONCRETE LINED MANURE STORAGE
MEIER MEADOWS
SE 1/4 SECTION 23, T27N, R8E, 4TH P.M.

RECEIVED
MAR 14 2017

GENERAL NOTES

FOR DETAILED CONCRETE DIMENSIONS, CONTRACTOR SHALL REFERENCE DRAWINGS DESIGNED BY WILLET, WILMANS & ASSOCIATES, INC.

ALL WORK PERFORMED BY THE CONTRACTOR SHALL BE GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE OF THE OWNER. THIS GUARANTEE SHALL INCLUDE ALL DEFECTS IN MATERIALS AND WORKMANSHIP.

THE CONTRACTOR, BY AGREEING TO PERFORM THE WORK, MAKES TO INDEMNIFY AND HOLD HARMLESS THE OWNER, ENGINEER, ALL AGENTS AND ASSIGNS OF THOSE PARTIES, FROM ALL SUITS AND CLAIMS ARISING OUT OF THE PERFORMANCE OF SAND STORAGE, AND FURTHER AGREE TO DEFEND OR OTHERWISE PAY ALL LEGAL FEES ARISING OUT OF THE RELEASE OF SAND PARTICLES.

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

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

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

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

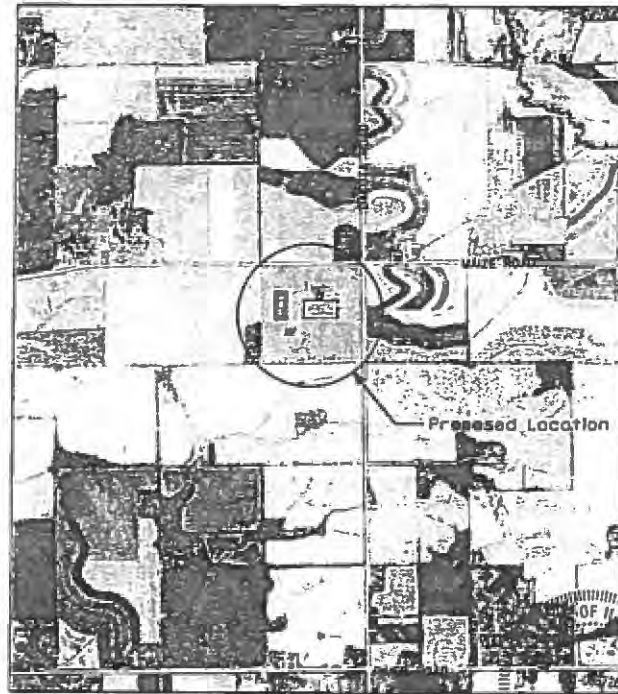
THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE AT THE END OF EACH WORKING DAY. EXCESS EXCAVATED MATERIAL SHALL BE REAPPALED INTO THE SITE AND BE REGRADED AND RESEEDDED.

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

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

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

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ANY EXISTING UTILITIES PRIOR TO CONSTRUCTION AND SHALL MAINTAIN AS NECESSARY. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND OBTAINING LOCATION OF EXISTING UTILITIES.

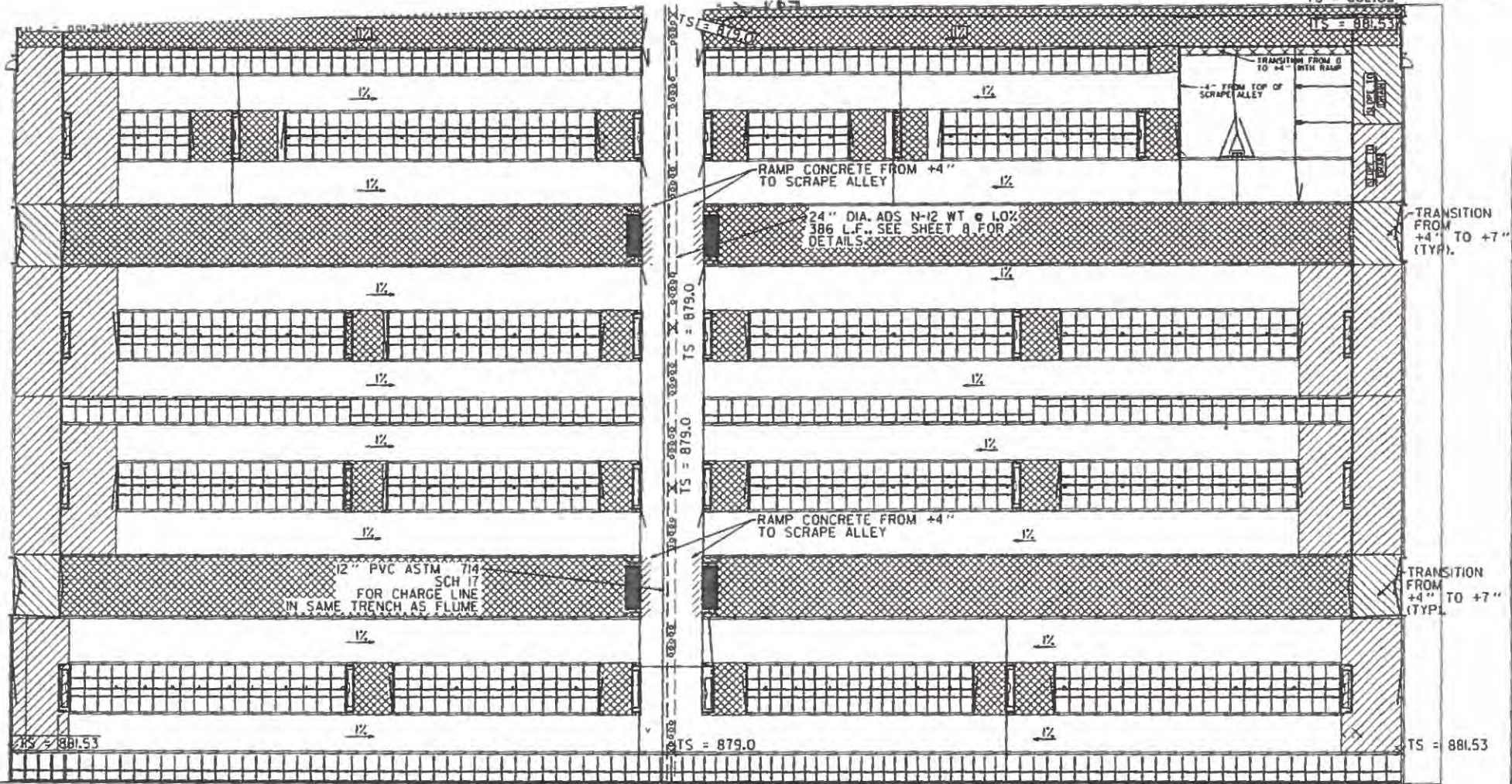


PROJECT LOCATION MAP

Matthew J. Wagner

STATE OF ILLINOIS
M.L.W.
LENA, ILLINOIS
REGISTERED PROFESSIONAL ENGINEER
4-10-16
Exp 4/30/17

THIS IS TO CERTIFY THAT THE DESIGN OF THE SAND PROCESSING ROOM AND MILKING PARLOR IS SUCH THAT THE GRADY OF THE MODIFICATION IS AS PROTECTIVE OF THE GROUNDWATER, SURFACE WATER, AND STRUCTURAL INTEGRITY OF THE LIVESTOCK WASTE MANAGEMENT FACILITY AS THE STATED REQUIREMENTS OF THE LIVESTOCK WASTE MANAGEMENT FACILITY ACT AND MIDWEST PLAN SERVICE (MWS-16) CONCRETE MANURE STORAGE HANDBOOK.



1 PLAN VIEW OF FREESTALL BARN
 3 SCALE 1/29" = 1' 0" X 17"



1/8 BENDS
 AS NEEDED

I.E. 874.91
 24" ADS PIPE
 24" X 12" REDUCER
 TRANSITION COUPLING

HATCHED AREA REPRESENTS
 4" ABOVE SCRAPE ALLEY ELEVATION
 HATCHED AREA REPRESENTS TRANSITION FROM +2" TO
 +7" ABOVE THEORETICAL SCRAPE ALLEY ELEVATION

REVISIONS		
NO.	DATE	REMARKS

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



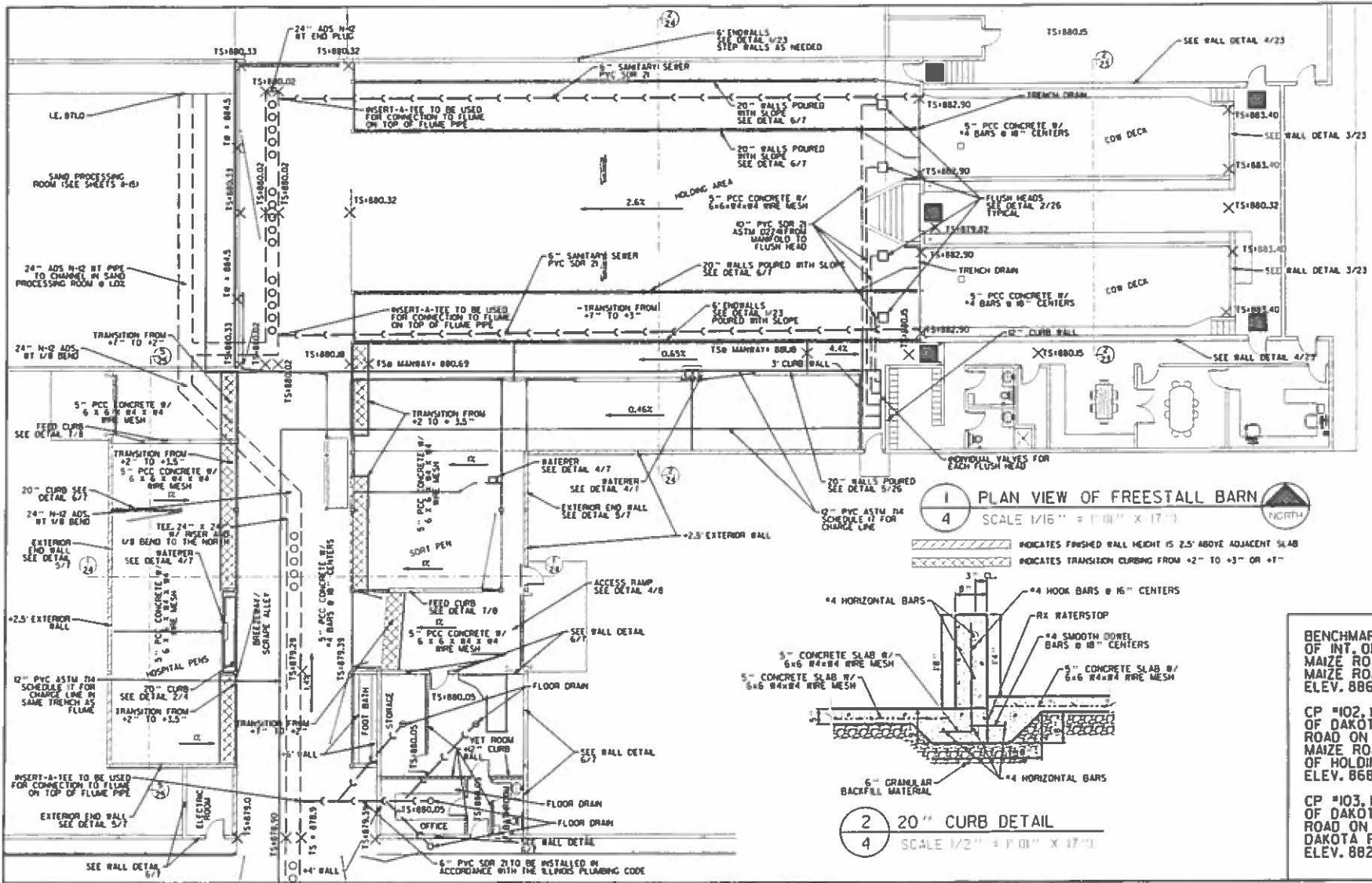
WAGNER CONSULTING & AGRICULTURE
 709 WEST OAK STREET
 LEVA, ILLINOIS 61048
 815-273-7642
 WAGNERCONSULTAG@MEDIA.COM&NET

CONTACT JULIE AT 811 CR 800-292-0123
 With the following:
 County _____
 City Township _____
 Sec. & R. Section _____
 48 HOURS (4 work ing days) BEFORE 10:00 AM

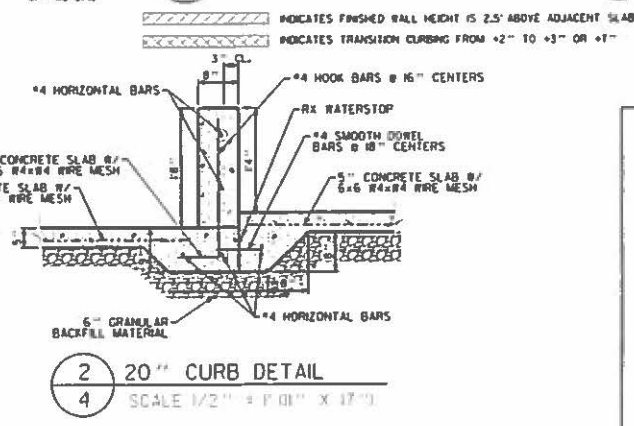
MEIER MEADOWS
 DAKOTA ROAD
 RIDOTT, ILLINOIS 61067

FREESTALL BARN SITE DESIGN

PROJECT NO.
 50W18
 DATE
 03/25/16
 SHEET NO.
 3
 OF 1271 SHEETS



1 PLAN VIEW OF FREESTALL BARN
SCALE 1/16" = 1'-0" X 17'-0"



2 20" CURB DETAIL
SCALE 1/2" = 1'-0" X 17'-0"

BENCHMARKS: CP #101, 450' WEST OF INT. OF DAKOTA ROAD AND MAIZE ROAD ON SOUTH SIDE OF MAIZE ROAD, 5/8" BAR ELEV. 886.07
CP #102, 1190' WEST OF INT. OF DAKOTA ROAD AND MAIZE ROAD ON SOUTH SIDE OF MAIZE ROAD, 5/8" BAR OF HOLDING AREA ELEV. 868.96
CP #103, 1095' SOUTH OF INT. OF DAKOTA ROAD AND MAIZE ROAD ON WEST SIDE OF DAKOTA ROAD, 5/8" BAR ELEV. 882.13

REVISIONS			
NO.	DATE	BY	REMARKS

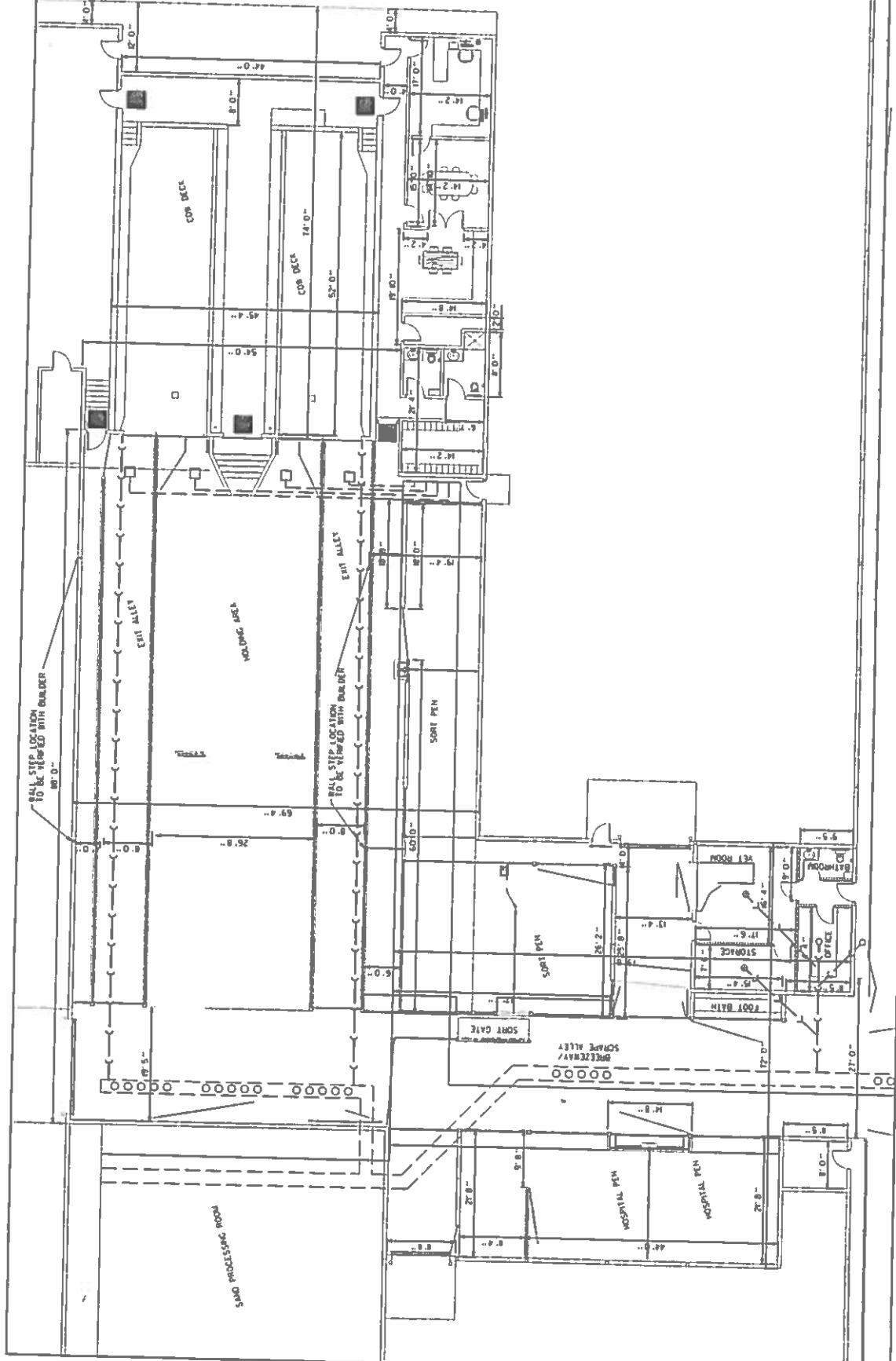
DRAWN M.L.W.	
CHECKED A.A.W.	
APPROVED M.L.W.	

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709 WEST OAK STREET
LENA, ILLINOIS, 61018
815-273-7642
WAGNERCONSULTING@MEDIACOMB.NET

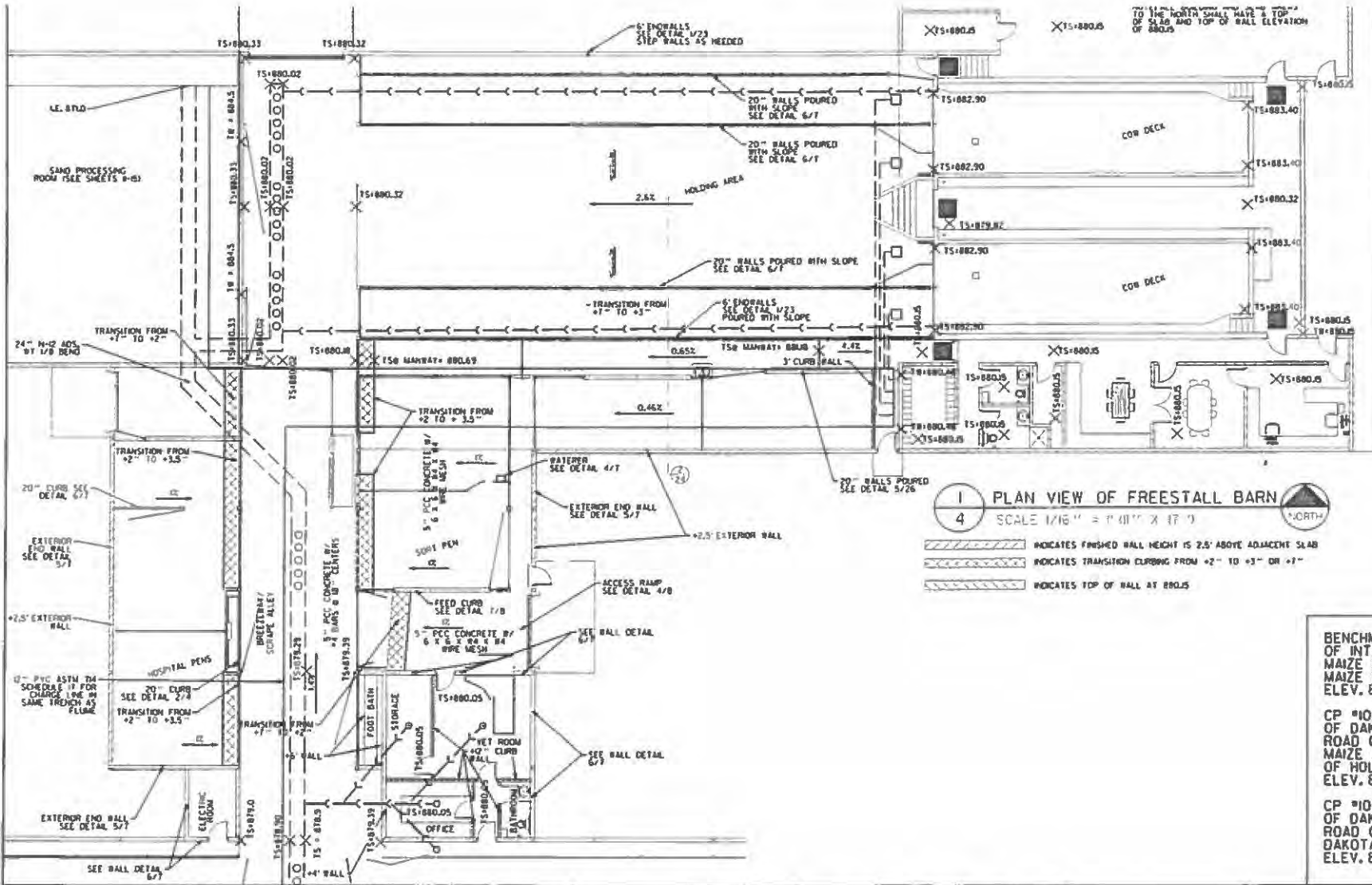
CONTACT JULIE AT 811 CR 800-892-0123
With the following:

 County: _____
 City/Township: _____
 Sec. 114 Sec No: _____
 8 HOURS (2 working days) BEFORE YOU GO

PROJECT NO. 18W114	HOLDING AREA, WALKWAY & PARLOR SITE DESIGN OF 1271 SHEETS
DATE 04.29.18	
SHEET NO. 4	



	PROJECT NO. 1001111111 1001111111	SHEET NO. 4A OF 127 SHEETS
MEIER MEADOWS DAKOTA ROAD RIDOTT, ILLINOIS 60067		
HOLDING AREA, WALKWAY & PARLOR PLAN VIEW		
CONTRACT LINE AT 815 DR. 600-822-0123 With the following: 7 On Townships Sec. 8 & 14 Sec. 16 # 4008123 with appx. 150000/10/10/10/10		
WAGNER CONSULTING & AGRICULTURE 700 WEST OAK STREET ULLINA, ILLINOIS 61034 815 325-2442 WAGNERCONSULTING@AOLMAIL.COM		
DRAWN M.L.W.	CHECKED A.A.W.	APPROVED M.L.W.
NO. DATE	BY	REMARKS



1 PLAN VIEW OF FREESTALL BARN
4 SCALE 1/16" = 1'-0" X 1/8" = 1'-0"

- INDICATES FINISHED WALL HEIGHT IS 2.5' ABOVE ADJACENT SLAB
- INDICATES TRANSITION CURBING FROM +2'-10" TO +3'-0" OR +1'-0"
- INDICATES TOP OF WALL AT 880.5

BENCHMARKS: CP #101, 450' WEST OF INT. OF DAKOTA ROAD AND MAIZE ROAD ON SOUTH SIDE OF MAIZE ROAD, 5/8" BAR ELEV. 886.07

CP #102, #90' WEST OF INT. OF DAKOTA ROAD AND MAIZE ROAD ON SOUTH SIDE OF MAIZE ROAD, 5/8" BAR OF HOLDING AREA ELEV. 868.96

CP #103, 1095' SOUTH OF INT. OF DAKOTA ROAD AND MAIZE ROAD ON WEST SIDE OF DAKOTA ROAD, 5/8" BAR ELEV. 882.33

REVISIONS			
NO.	DATE	BY	REMARKS

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

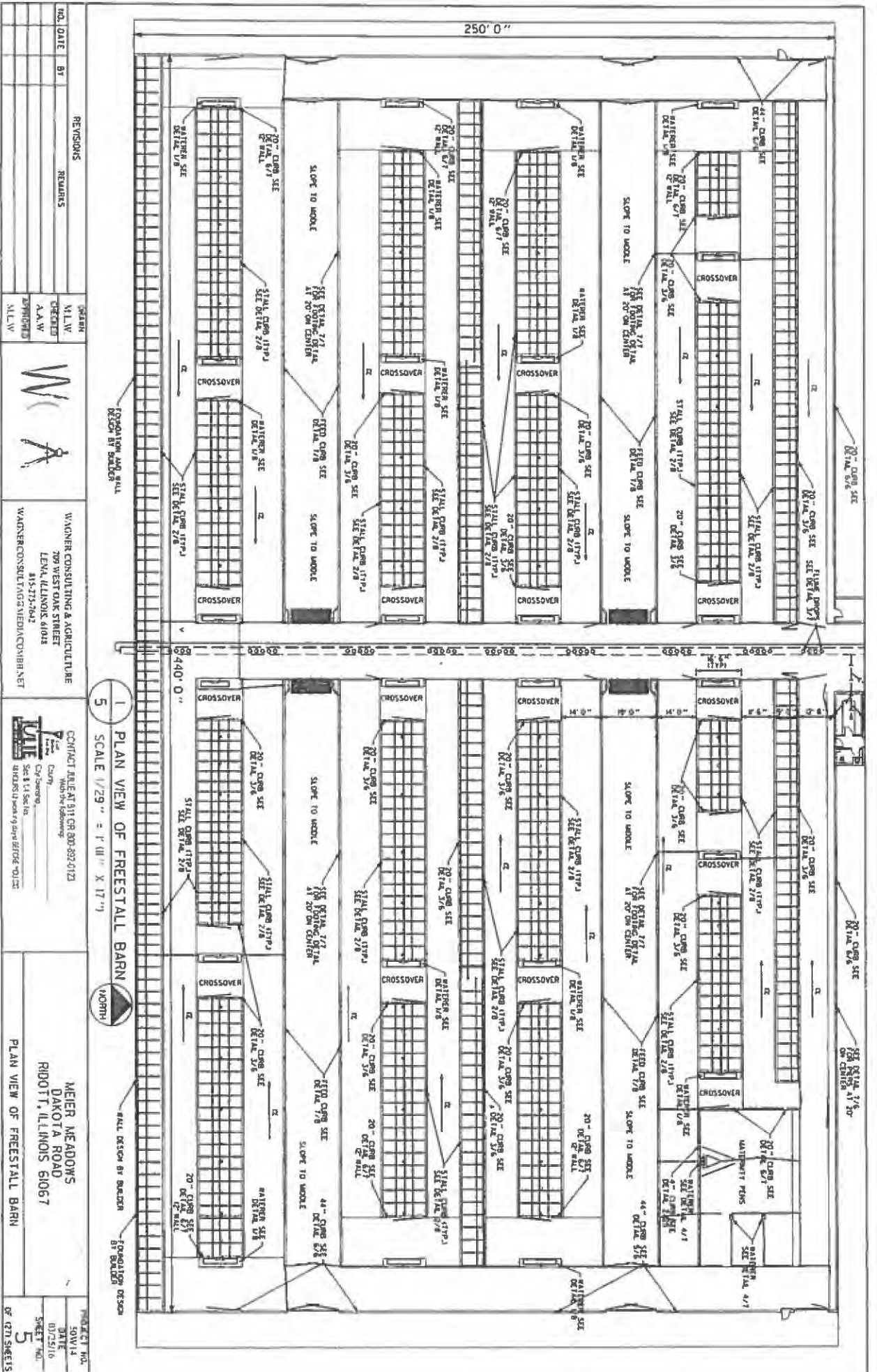
WAGNER CONSULTING & AGRICULTURE
 709 WEST OAK STREET
 LENA, ILLINOIS, 61048
 815-271-7642
 WAGNERCONSULTING@MEDIANCOMMB.NET

CONTACT JULIE AT 811 OR 600-892-0123
 With the following:
 County: _____
 City/Township: _____
 See 3.1.4 Sec No. _____
 18 HOURS (2 working days) BEFORE YOU DIG

MEIER MEADOWS
 DAKOTA ROAD
 RIDOTT, ILLINOIS 61067

HOLDING AREA, WALKWAY & PARLOR SITE DESIGN

PROJECT NO.	20W14
DATE	04/29/16
SHEET NO.	4C
OF 1271 SHEETS	



NO.	DATE	BY	REVISIONS	REMARKS



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 709 WEST OAK STREET
 LEVY, ILLINOIS 61043
 815-373-7642
 WAGNERCONSULTING@VERIZON.COM

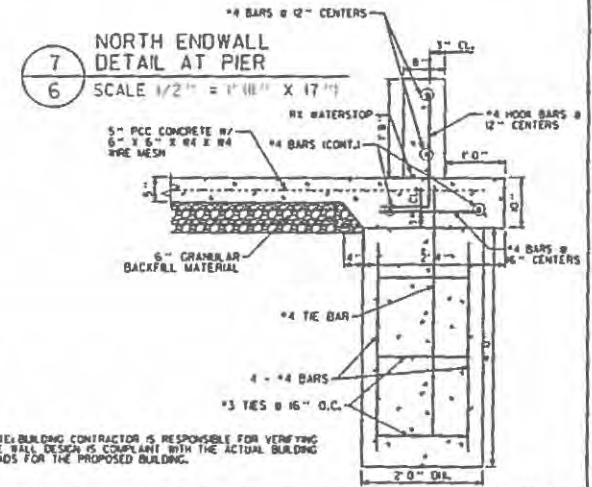
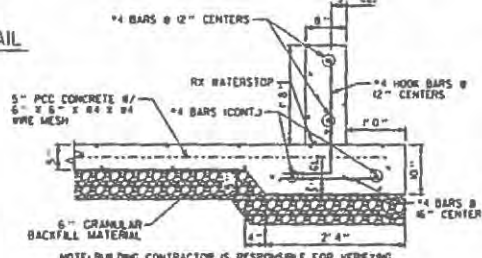
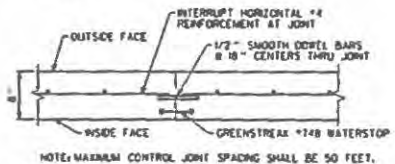
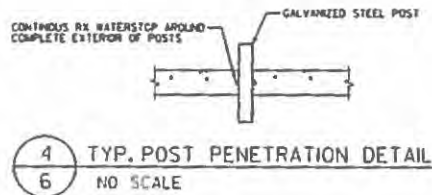
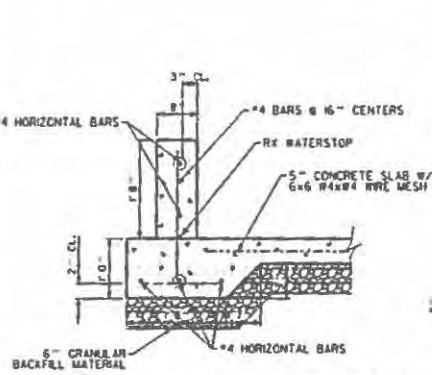
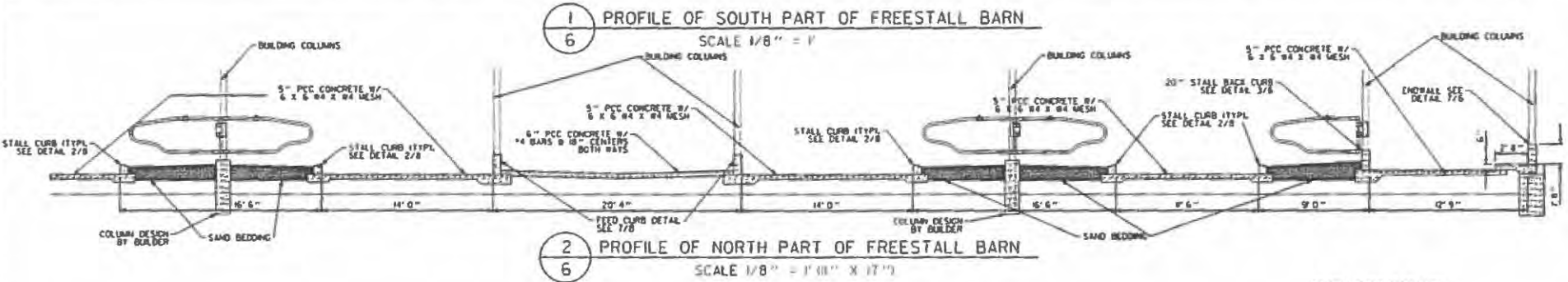
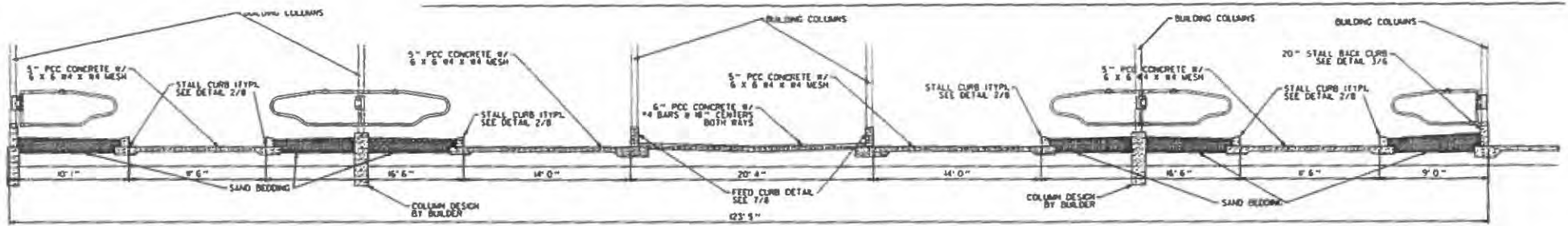
CONTACT JULE AT 311 OR 800-892-0123
 709 West Oak Street
 Levy, Illinois 61043
 City Chicago
 State IL
 Sec 8 1/4 Sec 16
 48'x125' 1/2" Area of Drain Before Flood

MEIER MEADOWS
 DAKOTA ROAD
 RIDGOTT, ILLINOIS 61067

PROJECT NO. 50414
 DATE 07/29/16
 SHEET NO. 5
 OF 127 SHEETS

1 PLAN VIEW OF FREESTALL BARN
 SCALE 1/29" = 1' (11" X 17")

WALL DESIGN BY DESIGNER
 FOUNDATION DESIGN BY DESIGNER



REVISIONS			
NO.	DATE	BY	REMARKS

DRAWN
M.L.W.

CHECKED
A.A.W.

APPROVED
S.L.W.

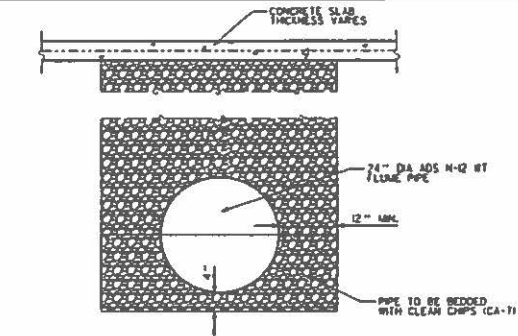
WAGNER CONSULTING & AGRICULTURE
709 WEST OAK STREET
LENA, ILLINOIS, 61048
815-273-7642
WAGNERCONSULTAG@MEDIA.COM.BR.NET

CONTACT JULIE AT 811 OR 800-892-6123
With the following:
City/Township _____
Sec & 1/4 Section _____
48 HOURS (2 work days) BEFORE PLOUGH

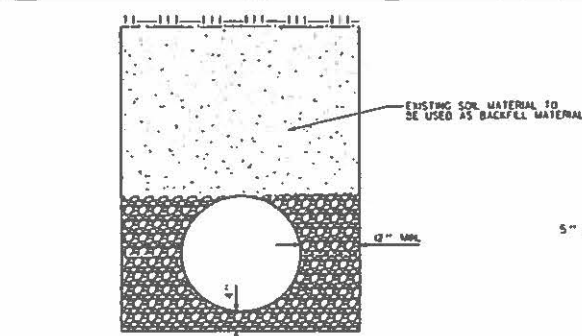
MEIER MEADOWS
DAKOTA ROAD
RIDOTT, ILLINOIS, 61067

ADDITIONAL FREESTALL BARN DETAILS

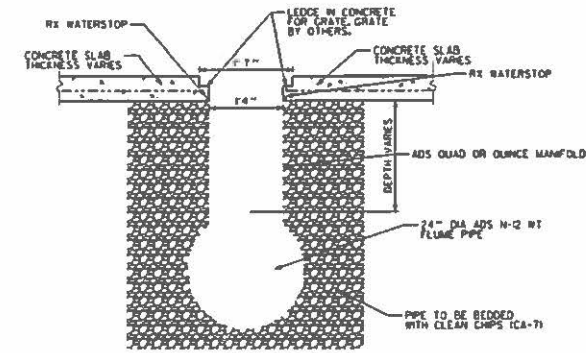
PROJECT NO. 50W14
DATE 03/25/16
SHEET NO. 6
OF 1271 SHEETS



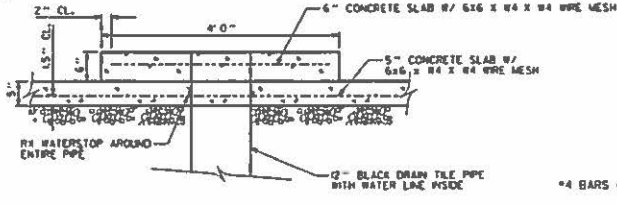
1
7 FLUME BEDDING DETAIL INSIDE BARN
NO SCALE



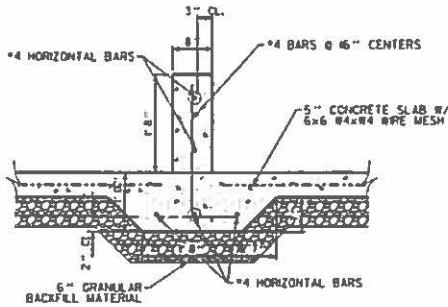
2
7 PIPE INSTALLATION DETAIL OUTSIDE OF BARN
NO SCALE



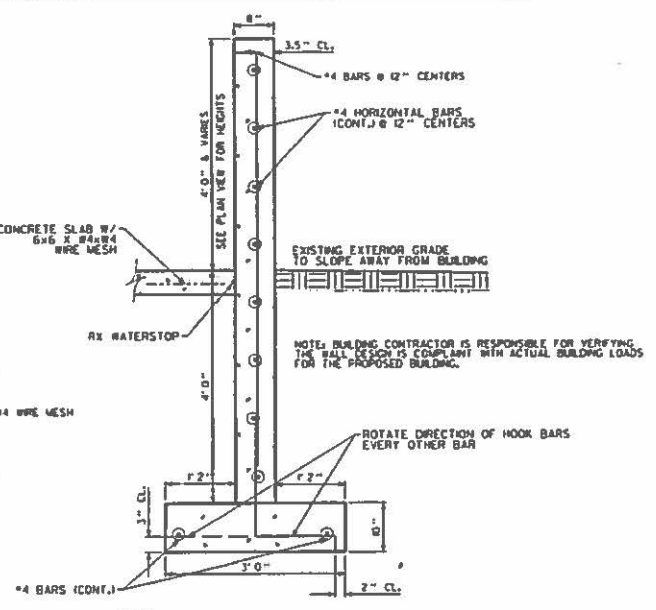
3
7 FLUME DROP DETAIL
SCALE 1/2" = 1' (11" X 17")



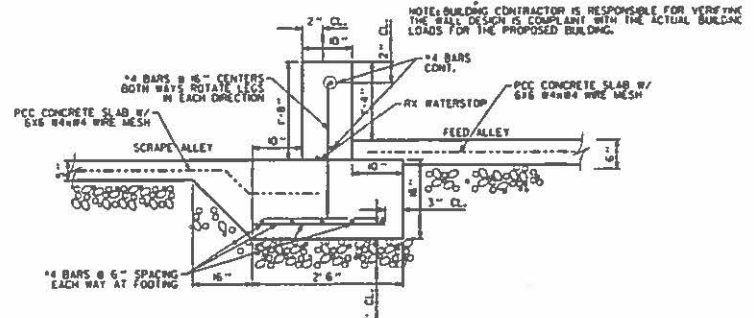
4
7 TYP. WATERER DETAIL
SCALE 1/2" = 1' (11" X 17")



5
7 EXTERIOR END WALL
SCALE 1/2" = 1' (11" X 17")



6
7 20" CURB DETAIL
SCALE 1/2" = 1' (11" X 17")



7
7 FEEDING ALLEY FOOTING
SCALE 1/2" = 1' (11" X 17")

NOTE: BUILDING CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE WALL DESIGN IS COMPLIANT WITH THE ACTUAL BUILDING LOADS FOR THE PROPOSED BUILDING.

NOTE: BUILDING CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE WALL DESIGN IS COMPLIANT WITH THE ACTUAL BUILDING LOADS FOR THE PROPOSED BUILDING.

REVISIONS			
NO.	DATE	BY	REMARKS

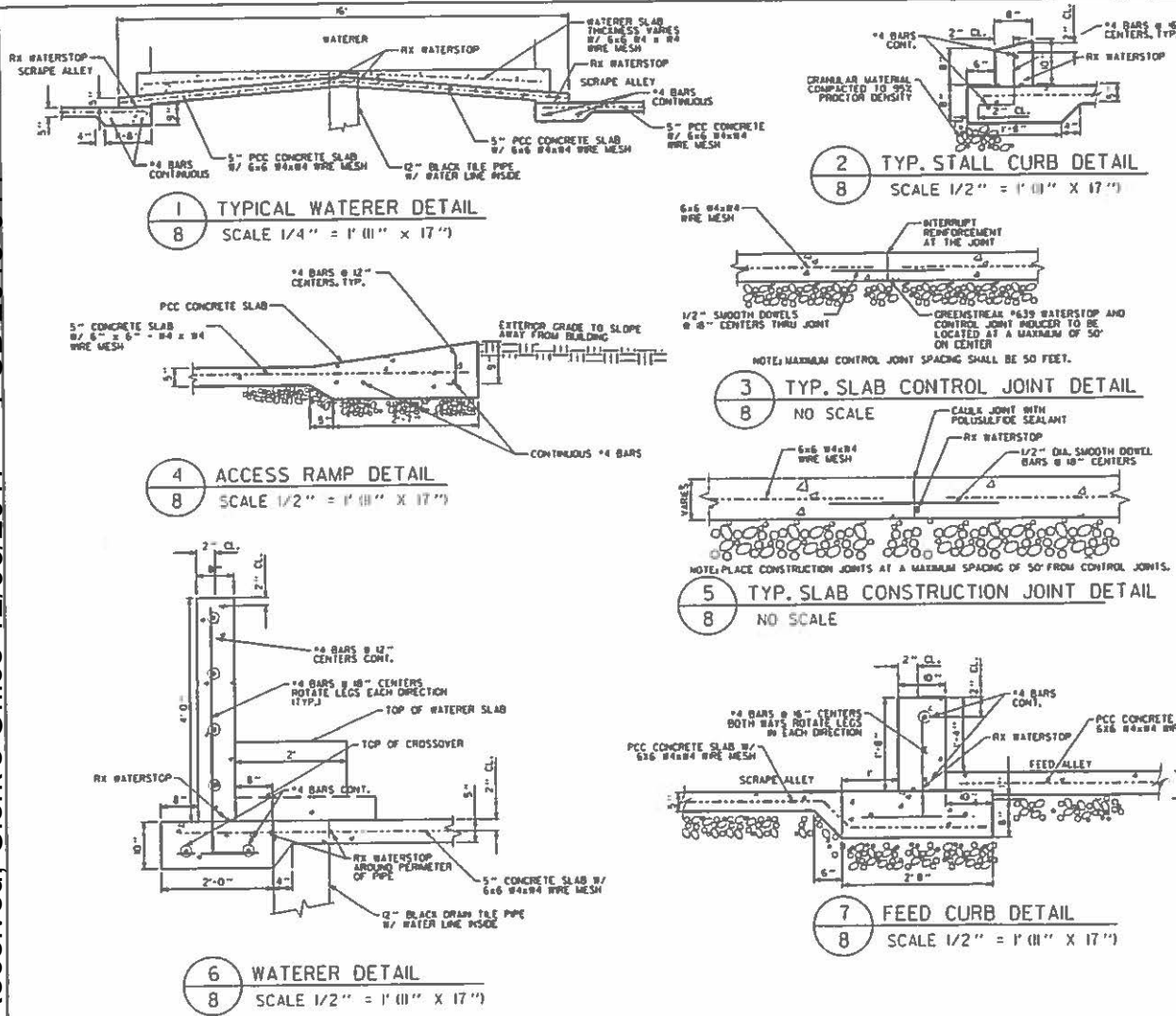
DRAWN M.L.W.	
CHECKED	
A.A.V.	
APPROVED M.L.W.	

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709 WEST OAK STREET
LENA, ILLINOIS, 61048
815-275-7642
WAGNERCONSULTAG@MEDIALCOMBI.BB.NET

CONTACT ME AT 811 OR 800-892-0123
With the following:
County: _____
City/Township: _____
Sec & 1/4 Sec No: _____
48 HOURS 12 working days BEFORE YOU DIG

MEIER MEADOWS
DAKOTA ROAD
RIDOTT, ILLINOIS 61067
FLUME AND CONCRETE DETAILS

PROJECT NO.
SOW 14
DATE
01/25/18
SHEET NO.
7
OF 12/1 SHEETS



CONCRETE SPECIFICATIONS

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

- ACI: AMERICAN CONCRETE INSTITUTE
- ASTM: AMERICAN SOCIETY OF TESTING METHODS
- CRSI: CONCRETE REINFORCING STEEL INSTITUTE
- MWPS: MIDWEST PLAN SERVICE, INC.

- 1.0 GENERAL REQUIREMENT**
- A. DESIGN AND CONSTRUCTION SHALL CONFORM TO THE ACI 318-02 SPECIFICATIONS AND MIDWEST PLAN SERVICE #A
 - B. CONCRETE CONTRACTOR IS ACCOUNTABLE FOR ASSURING THAT ALL NECESSARY INSTALLATIONS ARE COMPLETE PRIOR TO EACH POUR i.e. GROUNDING, PLUMBING, FASTENERS, AND STEEL
 - C. SUBSOIL OR COMPACTED SUBBASE SHALL BE CAPABLE OF SUPPORTING A DESIGN LOADING OF 2,000 PSF
 - D. ALL GRANULAR SUBBASE SHALL BE COMPACTED TO A MINIMUM OF 90% OF THE MODIFIED PROCTOR
 - E. CORRECT OVER EXCAVATED AREAS WITH GRANULAR SUBBASE MATERIAL

- 1.1 CONCRETE MIXES**
- A. ALL CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS
 - B. ALL CONCRETE SHALL BE AIR ENTRAINED 6% ± 0.5%, UNLESS OTHERWISE SPECIFIED
 - C. ALL CONCRETE SHALL HAVE A SLUMP OF 7 TO 5 INCHES UNLESS PRE-APPROVED BY ENGINEER

- 1.2 CONCRETE REINFORCING**
- A. REINFORCING STEEL BARS**
1. ALL REINFORCING BARS TO BE ASTM A615 GRADE #8
 2. WHERE USED, DOWELS SHALL BE SPACED WITH VERTICAL REINFORCEMENT, UNLESS OTHERWISE SPECIFIED
 3. ALL LAP LENGTHS TO BE A MINIMUM OF 12 INCHES. ALL SPECIFIED LAP LENGTHS ARE SHOWN AS MINIMUMS
 4. ALL STEEL BAR REINFORCING COVER WILL CONFORM TO ASTM A118
 5. ALL STEEL SHALL BE PLACED, TIED, AND PROPERLY SUPPORTED PRIOR TO THE PLACEMENT OF THE CONCRETE
- B. REINFORCING WIRE FABRIC**
1. ALL WELDED WIRE FABRIC (W.W.F.) WILL CONFORM TO ASTM A185
 2. ALL STEEL WELDED WIRE FABRIC REINFORCING COVER SHALL CONFORM TO THE MIDWEST PLAN SERVICE #A

- 1.3 PLACING CONCRETE**
- A. LENSES, REINFORCEMENT, INSERTS AND EMBEDDED ITEMS ARE NOT DISTURBED DURING CONCRETE PLACEMENT**
- B. PLACE CONCRETE WITH THE AID OF MECHANICAL VIBRATORS OF APPROVED TYPE. ENOUGH VIBRATION SHALL BE USED TO CAUSE ALL CONCRETE TO FLOW OR SETTLE READILY INTO PLACE. VIBRATORS MUST NOT BE ALLOWED TO TOUCH REINFORCEMENT EMBEDDED IN PARTIALLY SET CONCRETE NOR USED TO TRANSFER CONCRETE IN FORMS**
- C. CONTROL JOINTS SHALL BE REQUIRED AT A MAXIMUM SPACING OF 50 FEET O.C. FOR FLOORS AND AT 10 FEET O.C. FOR WALLS**

- 1.4 WATERSTOPS**
1. ALL COLD JOINTS OR AREAS OF TWO DIFFERENT POURS WHERE WATER MAY CONTACT CONCRETE SHALL BE WATERSTOPPED WITH RX WATERSTOP OR GREENSTREAK WATERSTOP PRODUCTS (AS SHOWN ON CONSTRUCTION DRAWINGS)
 2. ALL WATERSTOP LOCATIONS WILL BE REQUIRED AS PER PLANS
 3. ALL WATERSTOP SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS

REVISIONS			
NO.	DATE	BY	REMARKS

DRAWN
M.L.W.

CHECKED
WCA

A.A.W.
APPROVED

M.L.W.

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

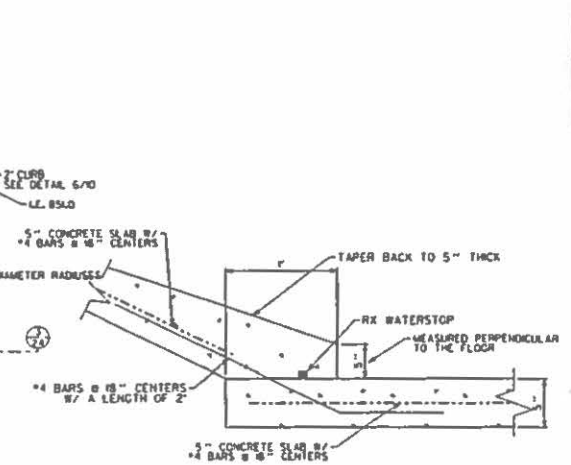
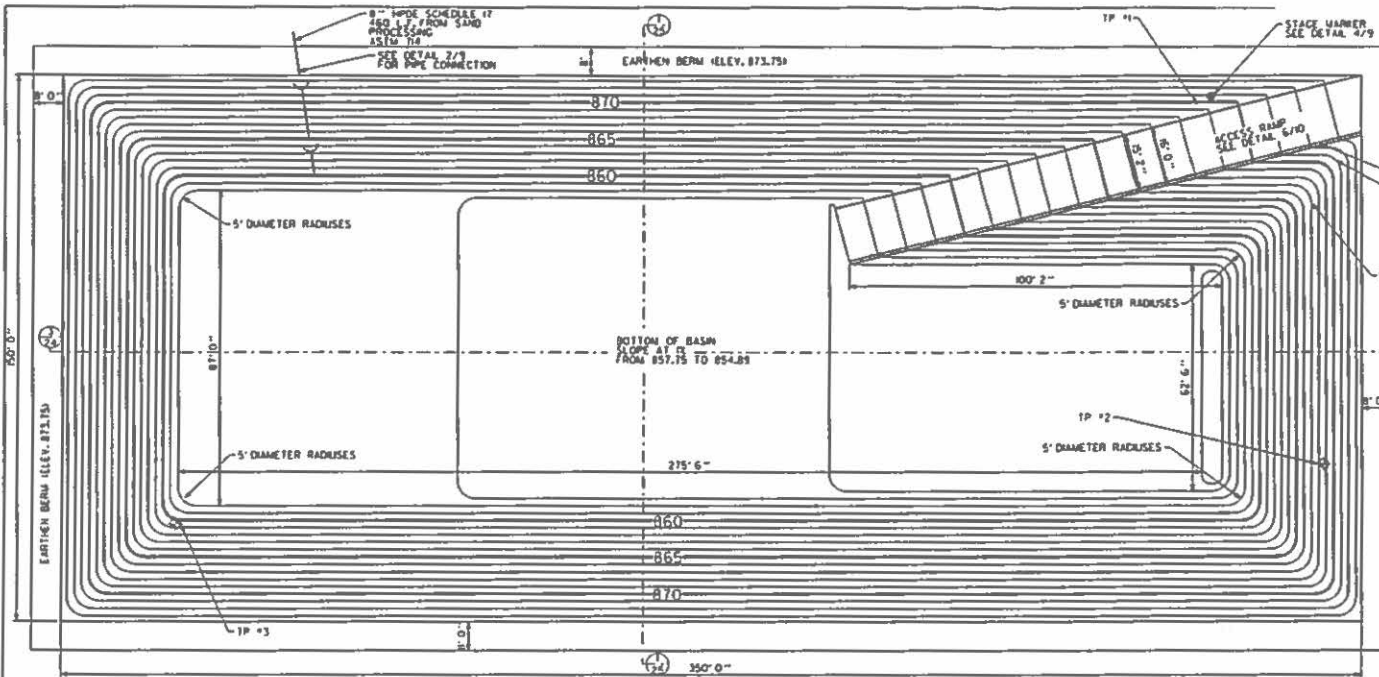
CONTACT JULE AT 811 OR 800-892-6123
With the following:

JULE
City: _____
City/Ownership: _____
Sec & L4 Sec No: _____
24 HOURS (1 working day) BEFORE YOU DIG

MEIER MEADOWS
DAKOTA ROAD
RIDOTT, ILLINOIS, 61067

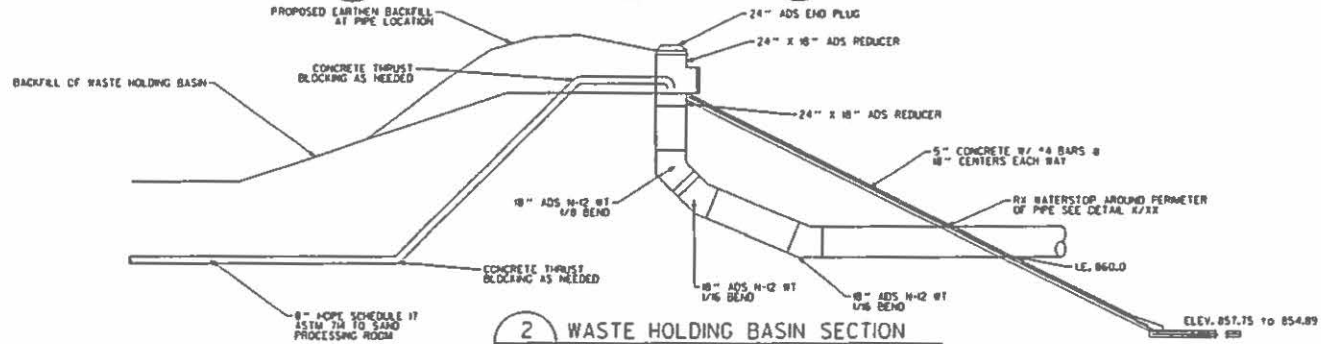
CONCRETE DETAILS & SPECIFICATIONS

PROJECT NO. SOW14
DATE 03/25/15
SHEET NO. 8
OF 127 SHEETS

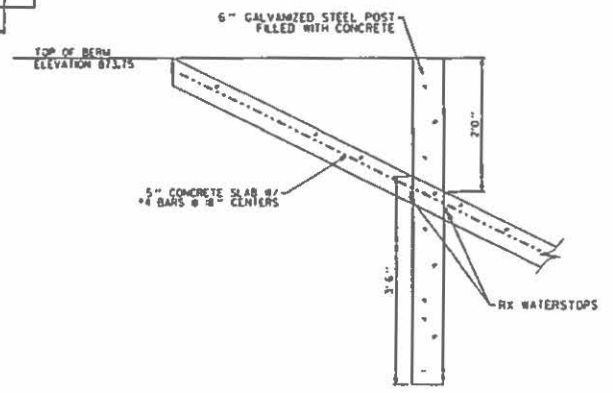


3
9
WASTE HOLDING BASIN SLOPE WALL DETAIL
NO SCALE

1
9
WASTE HOLDING BASIN PLAN VIEW
SCALE 1/32" = 1'



2
9
WASTE HOLDING BASIN SECTION
SCALE 1/32" = 1'



4
9
STAGE MARKER DETAILS
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
709 WEST OAK STREET
LENEX, ILLINOIS 61048
815-273-7642
WAGNERCONSULTAG@MEDIACOMBB.NET

CONTACT JULIE AT 811 OR 800-892-0123
With the following:
County _____
City/Township _____
Sec. & 1/4 Sec. No. _____
18 HOURS (2 WEEKS) BEFORE YOU GO

MEIER MEADOWS
DAKOTA ROAD
RIDOTT, ILLINOIS, 61067

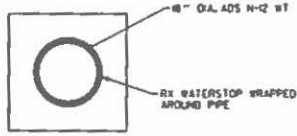
PROJECT NO. _____
SOW 14 _____
DATE 03/25/15
SHEET NO. 9
OF 127 SHEETS

WASTE HOLDING BASIN PLAN VIEW & DETAILS

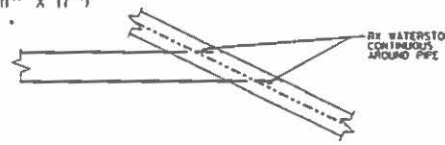
BE SEEDED WITH A MIXTURE OF GRASS SEEDS, PERENNIAL RYEGRASS AT RATES OF 50, 5, AND 20 LBS/ ACRE RESPECTIVELY.

COMPACTED CLAY MATERIAL TO BE COMPACTED TO 95 PERCENT OF THE MODIFIED PROCTOR UNDER WASTE HOLDING BASIN

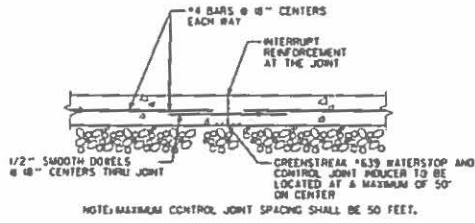
NOTE: COMPACTION DENSITY OF SOIL SHALL BE TESTED BY GEOTECHNICAL ENGINEER PRIOR TO PLACING OF ANY CONCRETE.



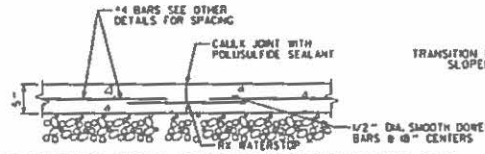
1 TYPICAL MANURE STORAGE PROFILE
SCALE 1/4" = 1' (11" X 17")



2 PIPE PENETRATION AT PIT DETAIL
SCALE 1/4" = 1' (11" X 17")

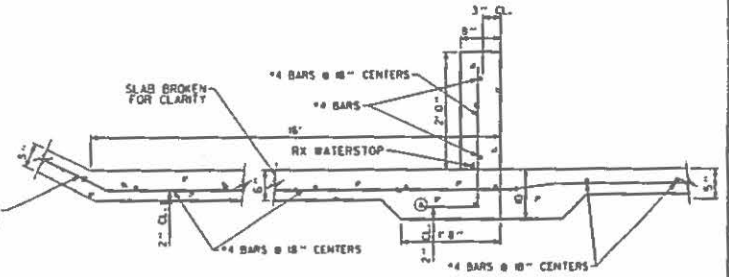
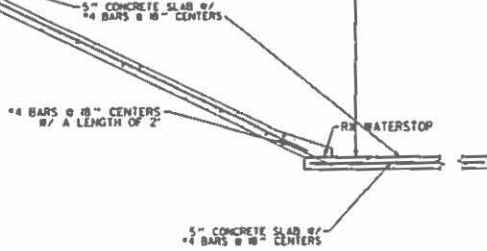


3 PIPE CONNECTION DETAIL
SCALE 1/2" = 1' (11" X 17")



4 TYP. SLAB CONTROL JOINT DETAIL
NO SCALE

5 TYP. SLAB CONSTRUCTION JOINT DETAIL
NO SCALE



6 ACCESS RAMP & 2' CURB DETAIL
SCALE 1/2" = 1' (11" X 17")

REVISIONS			
NO.	DATE	BY	REMARKS

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

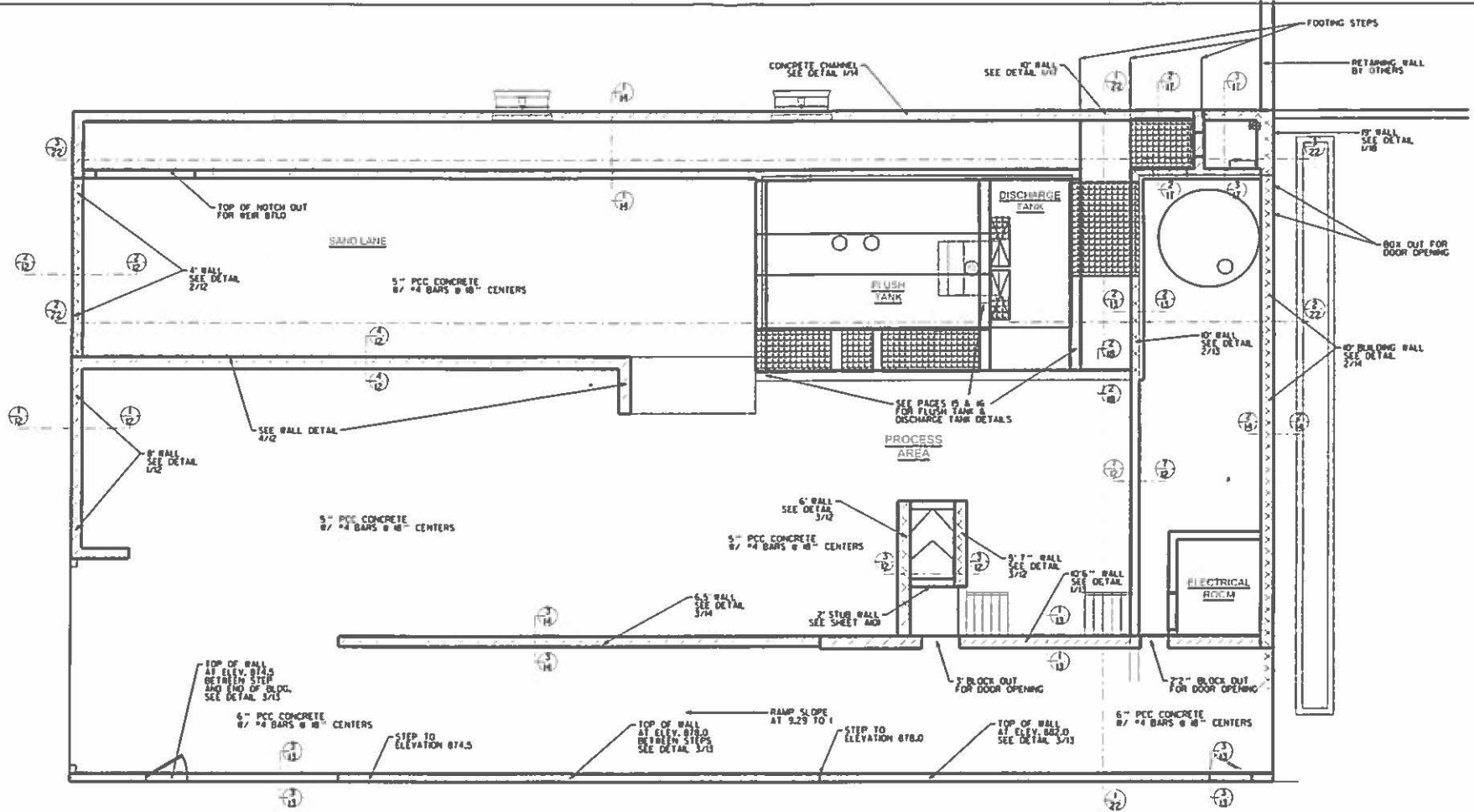
WAGNER CONSULTING & AGRICULTURE
 709 WEST OAK STREET
 LENA, ILLINOIS, 61048
 815-275-7642
 WAGNERCONSULTAG@MEDIALCOMBB.NET

CONTACT JULIE AT 811 OR 800-892-0123
 With the following:

 County _____
 City/Township _____
 Sec & 1/4 Sec No _____
 48 HOURS (2 work ing days) BEFORE *CD/DIG

MEIER MEADOWS
 DAKOTA ROAD
 RIDGOTT, ILLINOIS, 61067
 WASTE HOLDING BASIN DETAILS

PROJECT NO. 50W14
 DATE 12/22/15
 SHEET NO. 10
 OF 127 SHEETS



1 PLAN VIEW OF SAND PROCESSING ROOM
 5 SCALE 1/8" = 1'-0" X 17'-0"

REVISIONS			
NO.	DATE	BY	REMARKS

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

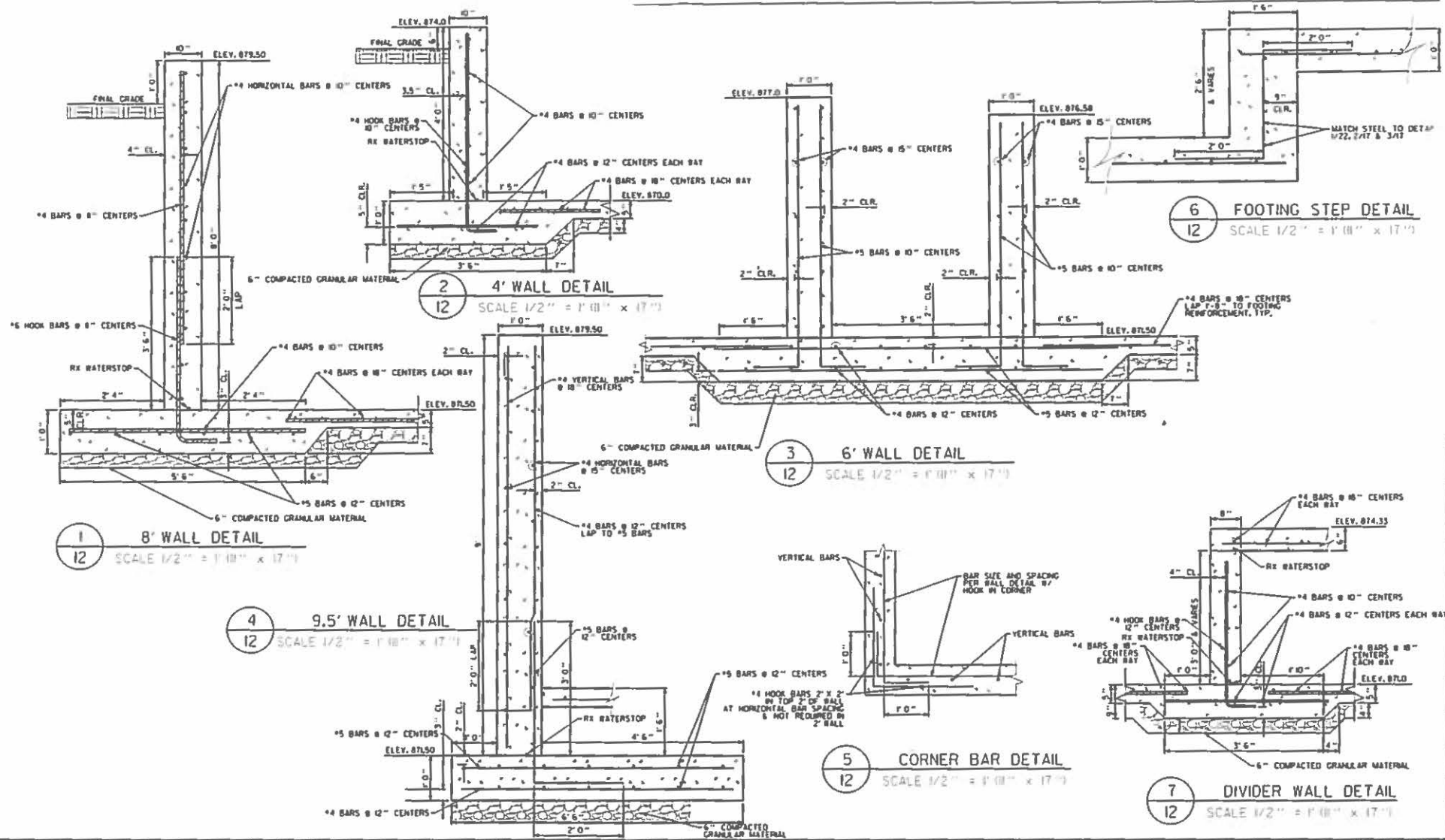
WAGNER CONSULTING & AGRICULTURE
 709 WEST OAK STREET
 LENA, ILLINOIS, 61048
 815-275-7642
 WAGNERCONSULTAG@MEDIACOMMB.NET

CONTACT JULIE AT 811 OR 800-892-0123
 With the following:
 Julie
 City Township
 Sec. 5 1/4 Sec No
 12 HOURS (2 working days) BEFORE YOU DIG

MEIER MEADOWS
 DAKOTA ROAD
 RIDOTT, ILLINOIS 61067

SAND PROCESSING ROOM PLAN VIEW

PROJECT NO. 50W14
 DATE 03/30/16
 SHEET NO. 11
 OF 1271 SHEETS



REVISIONS		
NO.	DATE	BY

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

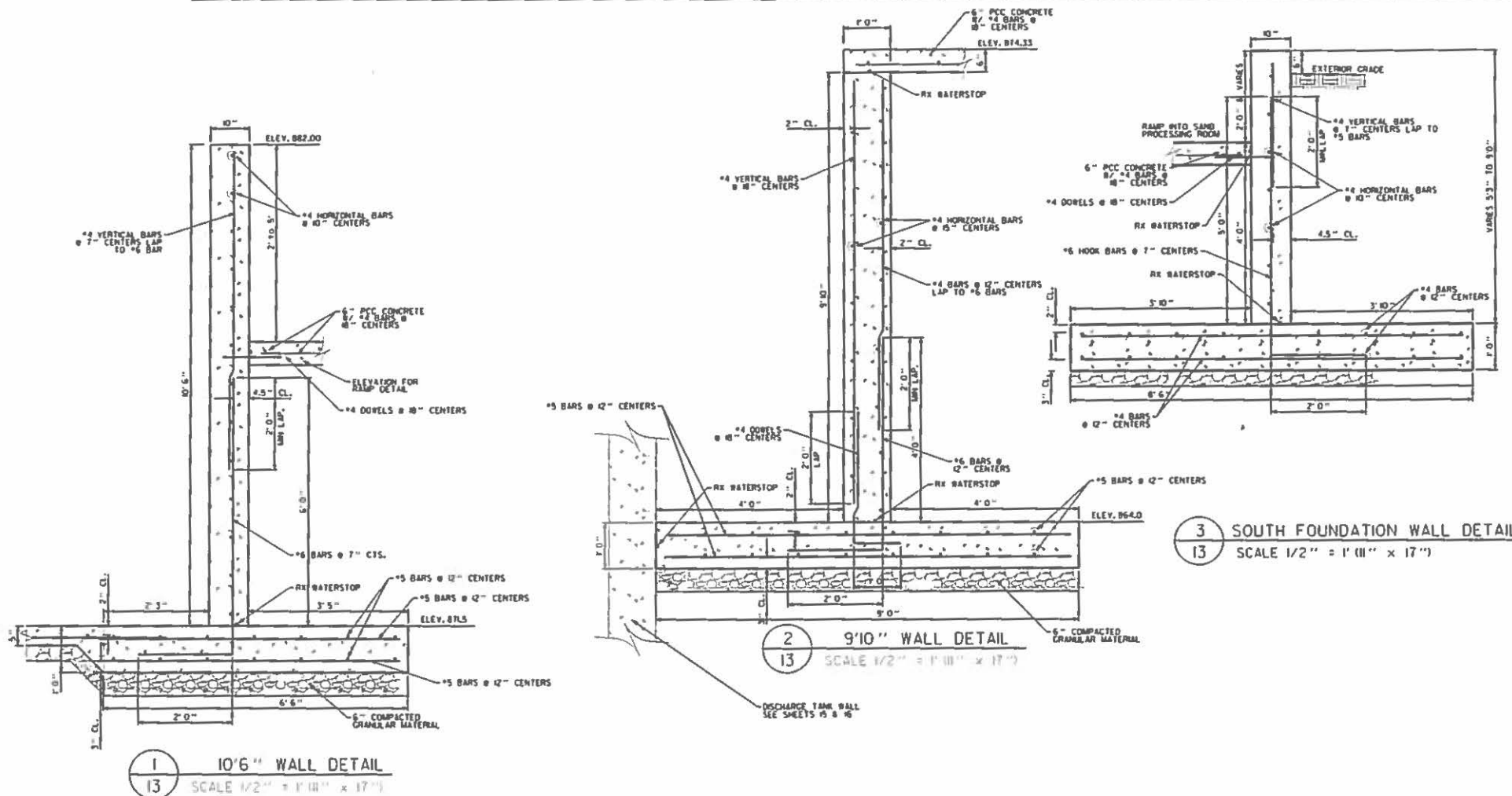
WAGNER CONSULTING & AGRICULTURE
 709 WEST OAK STREET
 LENA, ILLINOIS, 61049
 815-275-7642
 WAGNERCONSULTAG@MEDIALCOM33B.NET

CONTACT JULIE AT 811 OR 800-892-0123
 With the following:
 County _____
 City/Township _____
 Sec. & 1/4 Sec. No. _____
 18 HOURS (2 work days) BEFORE YOU DIG

MEIER MEADOWS
 DAKOTA ROAD
 RIDOTT, ILLINOIS 61067

SAND PROCESSING ROOM CONCRETE WALL DETAILS

PROJECT NO.
SDW13
 DATE
04/15/16
 SHEET NO.
12
 OF 1271 SHEETS



REVISIONS			DRAWN M.E.W.
NO.	DATE	BY	
			CHECKED A.A.W.
			APPROVED M.E.W.

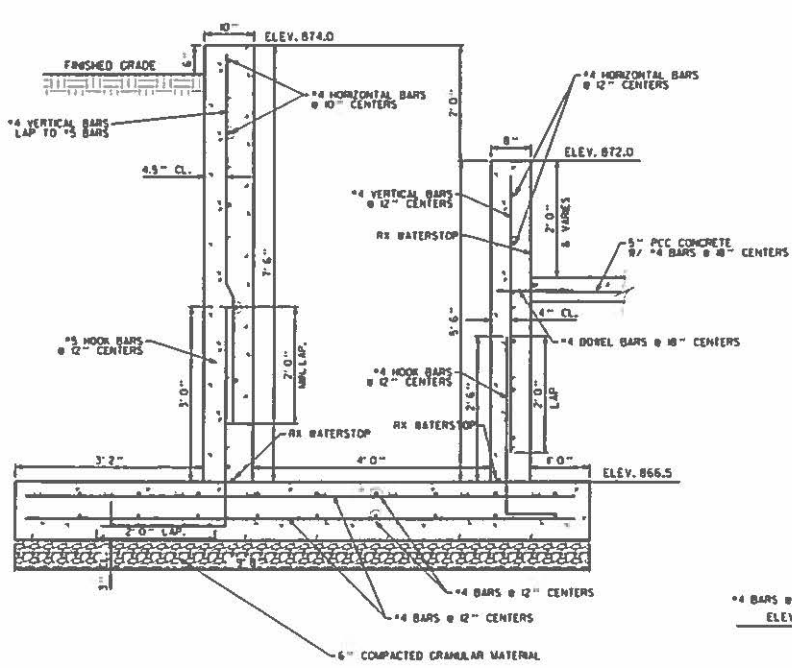
WAGNER CONSULTING & AGRICULTURE
 709 WEST OAK STREET
 LENA, ILLINOIS, 61041
 815-275-7642
 WAGNERCONSULTAG@MEDIACOMMB.NET

CONTACT JULIE AT 815 OR 800-822-0123
 with the following:
 County: _____
 City/Township: _____
 Sec. & 1/4 Sec. No.: _____
 24 HOURS (2 working days) RESPONSE

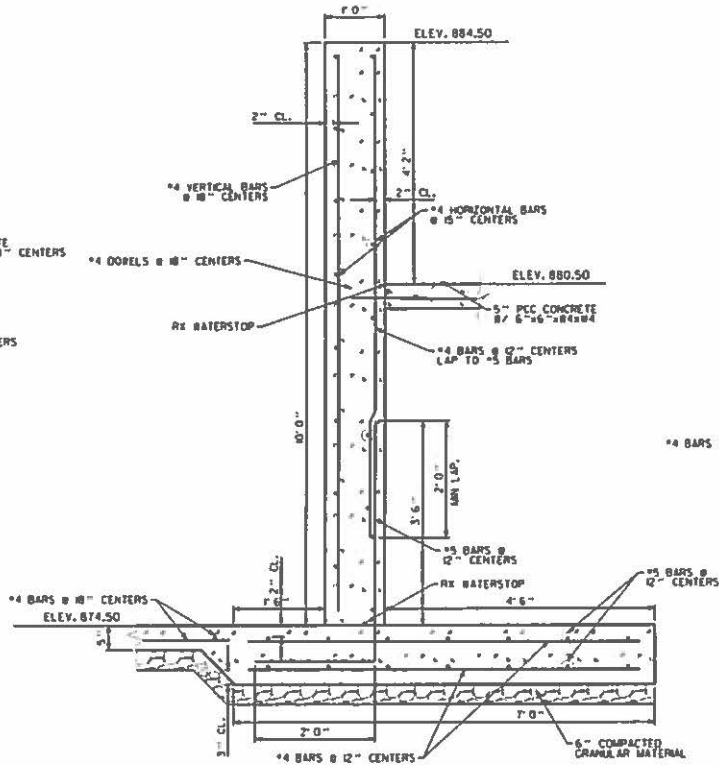
MEIER MEADOWS
 DAKOTA ROAD
 RIDOTT, ILLINOIS 61067

SAND PROCESSING ROOM CONCRETE WALL DETAILS

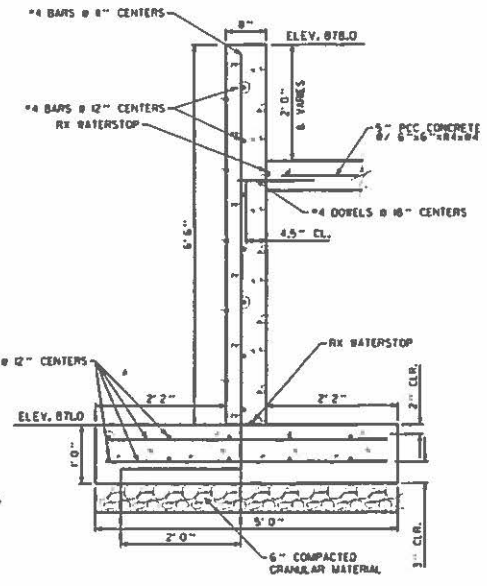
PROJECT NO. 15W-14
 DATE 04.15.16
 SHEET NO. 13
 OF 121 SHEETS



1 TYPICAL CHANNEL CROSS SECTION
14 SCALE 1/2" = 1' (11" x 17")



2 10' BUILDING WALL DETAIL
14 SCALE 1/2" = 1' (11" x 17")



3 6.5' RAMP WALL DETAIL
14 SCALE 1/2" = 1' (11" x 17")

REVISIONS			
NO.	DATE	BY	REMARKS

DRWN
MLW
CHECKED
A.A.W.
APPROVED
MLW



WAGNER CONSULTING & AGRICULTURE
709 WEST OAK STREET
LENA, ILLINOIS, 61048
815-775-7642
WAGNERCONSULTAG@MEDICOMBB.NET

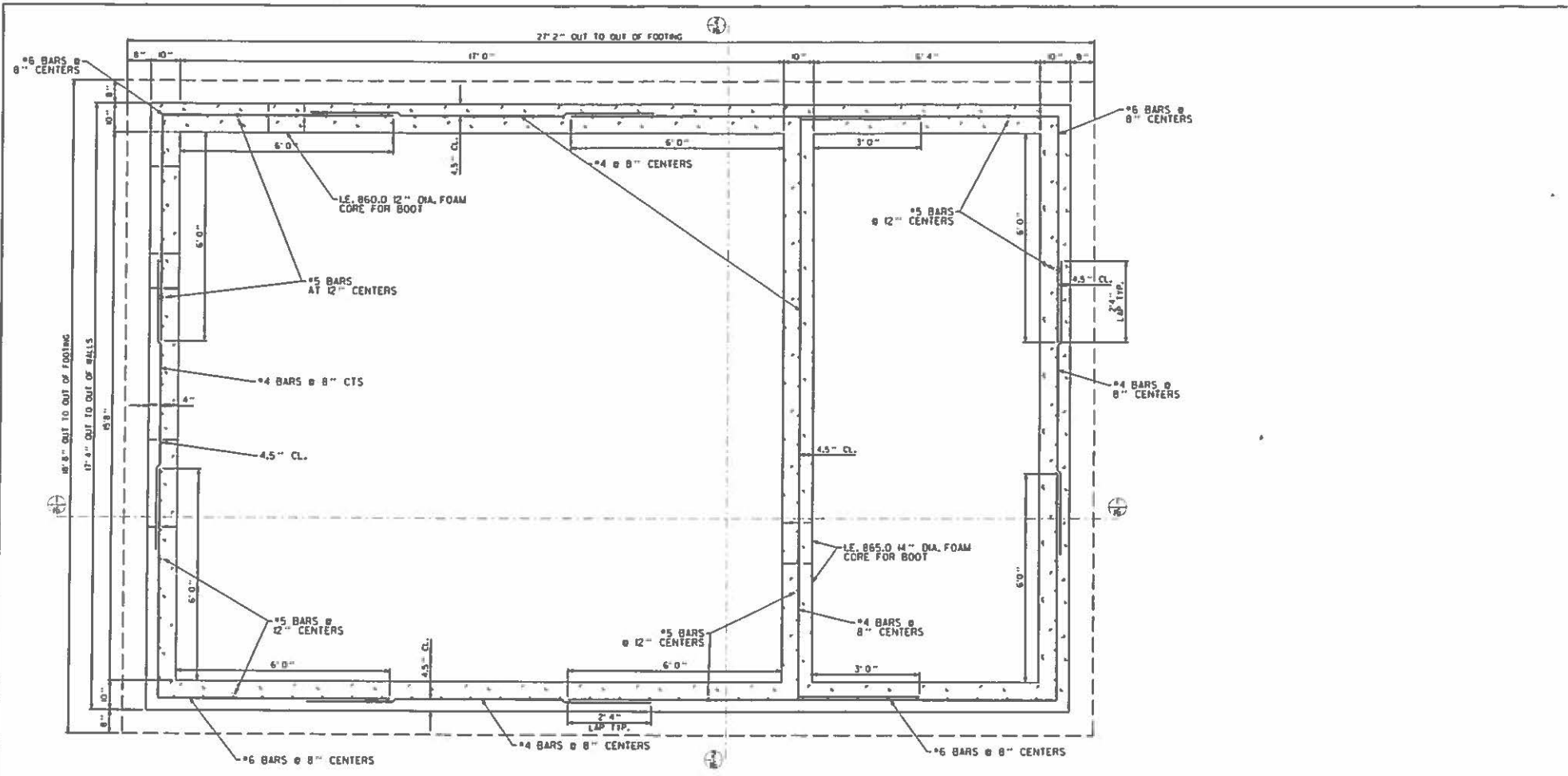
CONTACT JULIE AT 811 OR 800-892-0123
With the following:
City _____
County _____
City/Township _____
Sec. 31.4 Sec No _____
12 HOURS 12 hrs per day 11:00 AM TO 5:00 PM



MEIER MEADOWS
DAKOTA ROAD
RIDOTT, ILLINOIS 61067

SAND PROCESSING ROOM CHANNEL & WALL DETAILS

PROJECT NO.
61067
DATE
04/15/14
SHEET NO.
14
OF 1271 SHEETS



1 PLAN VIEW OF FLUSH & DISCHARGE TANK
 15 SCALE 3/8" = 1' (H" X 17")

REVISIONS			
NO.	DATE	BY	REMARKS

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

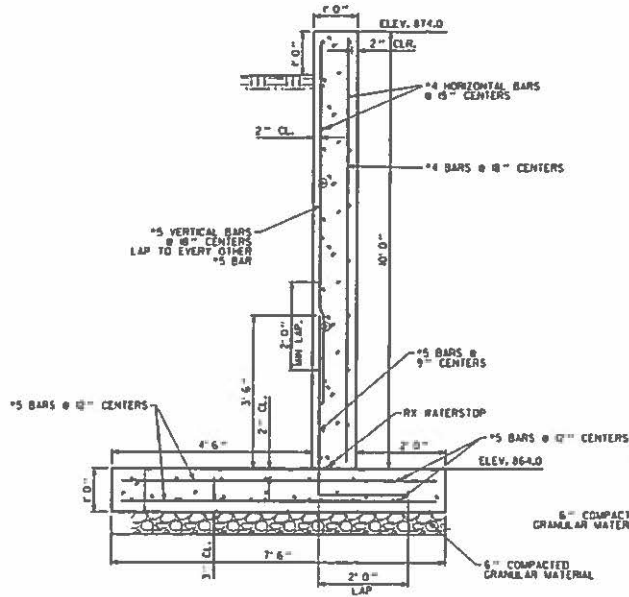
WAGNER CONSULTING & AGRICULTURE
 709 WEST OAK STREET
 LENA, ILLINOIS, 61041
 815.275.7642
 WAGNERCONSULTAG@MEDIACOMBB.NET

CONTACT JULIE AT 811 OR 800-892-0123
 with the following:
 County _____
 City/Township _____
 Set & 1.4 Etc No _____
 18 HOURS (2 working days) BEFORE YOU DIG

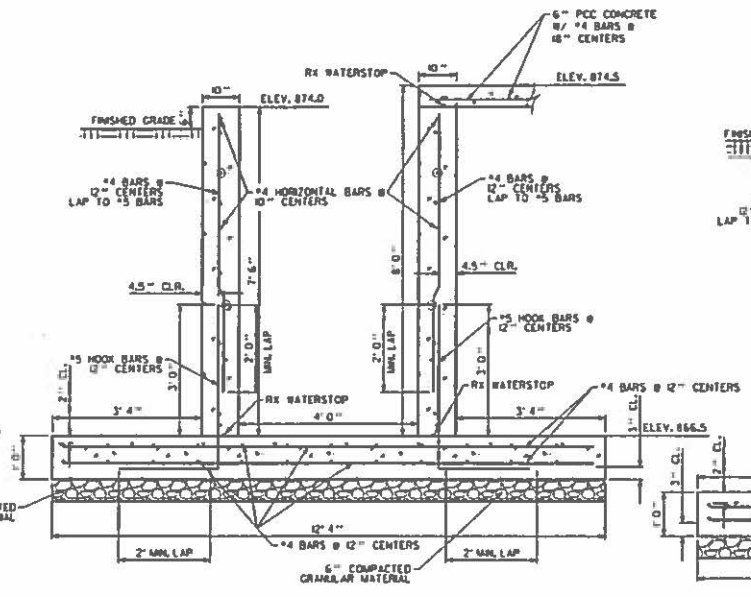
MEIER MEADOWS
 DAKOTA ROAD
 RIDOTT, ILLINOIS 61067

PROJECT NO. SDW14
 DATE 04-15-16
 SHEET NO. 15
 OF (27) SHEETS

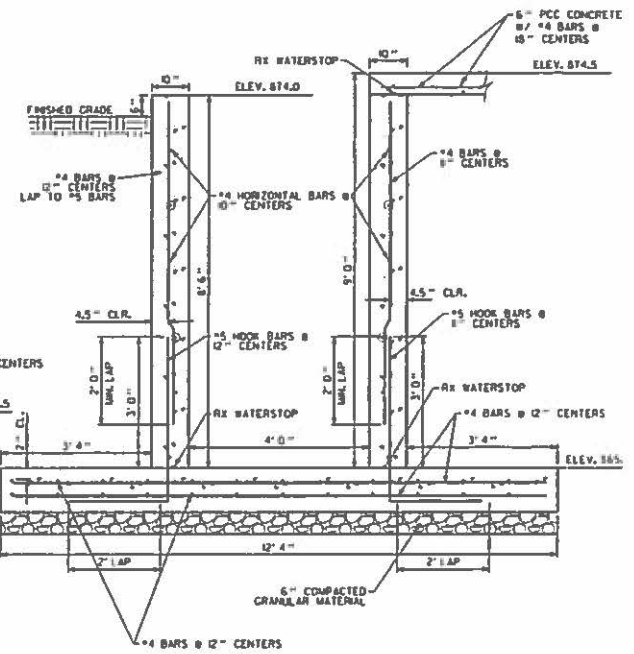
FLUSH AND DISCHARGE TANK PLAN VIEW



1 10' WALL DETAIL
17 SCALE 3/8" = 1' (11" x 17")



2 7.5' CHANNEL DETAIL
17 SCALE 3/8" = 1' (11" x 17")



3 8.5' CHANNEL DETAIL
17 SCALE 3/8" = 1' (11" x 17")

REVISIONS			
NO.	DATE	BY	REMARKS

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

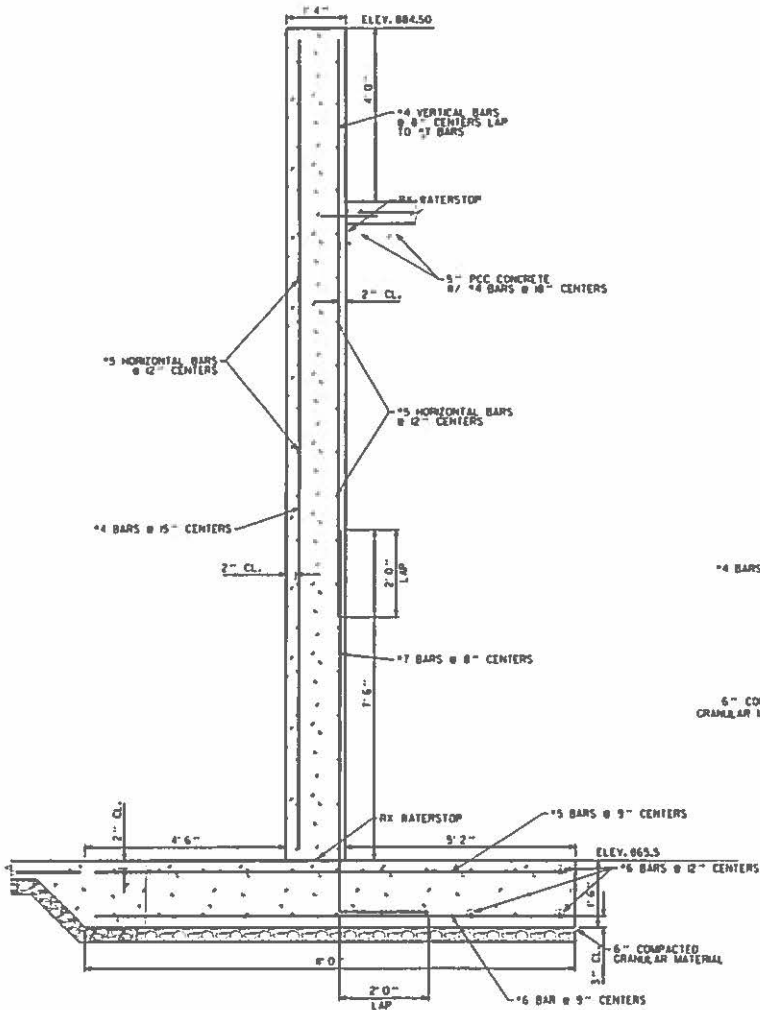
WAGNER CONSULTING & AGRICULTURE
 709 WEST OAK STREET
 LENA, ILLINOIS, 61048
 815-275-7642
 WAGNERCONSULTAG@MEDIACOMMB.NET

CONTACT JULIE AT 311 OR 800-892-0123
 With the following:
 County: _____
 City/Township: _____
 Sec & 1/4 Sec: _____
 48 HOURS (2 work days) BEFORE YOU DIG

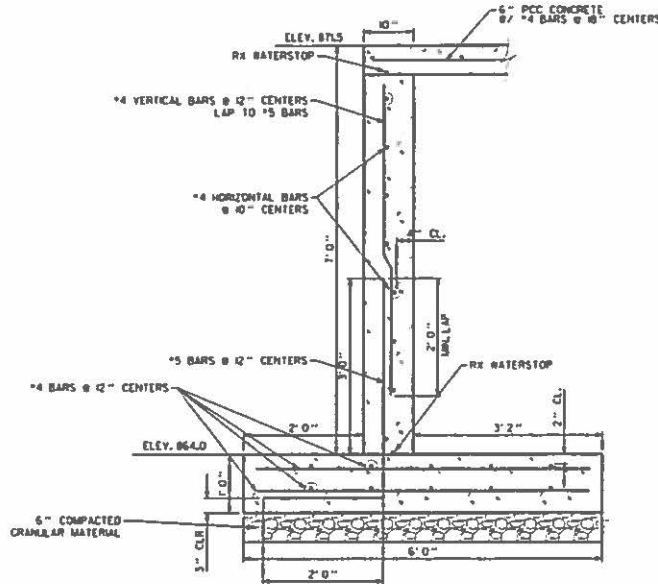
MEIER MEADOWS
 DAKOTA ROAD
 RIDOTT, ILLINOIS, 61067

CHANNEL AND WALL DETAILS

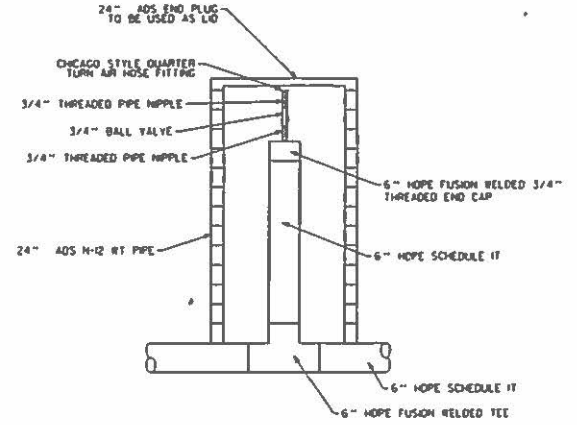
PROJECT NO. 16W14
 DATE 12/22/15
 SHEET NO. 17
 OF 127 SHEETS



1
18 19' WALL DETAIL
SCALE 3/8" = 1' 0" x 17"



2
18 7.5' WALL DETAIL
SCALE 1/2" = 1' 0" x 17"



3
18 AIR BLOWOFF DETAIL
SCALE 1/2" = 1' 0" x 17"

REVISIONS			
NO.	DATE	BY	REMARKS

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



WAGNER CONSULTING & AGRICULTURE
709 WEST OAK STREET
LENA, ILLINOIS, 61045
815-273-7642
WAGNERCONSULTAG@MEDIALCOMBO.NET

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

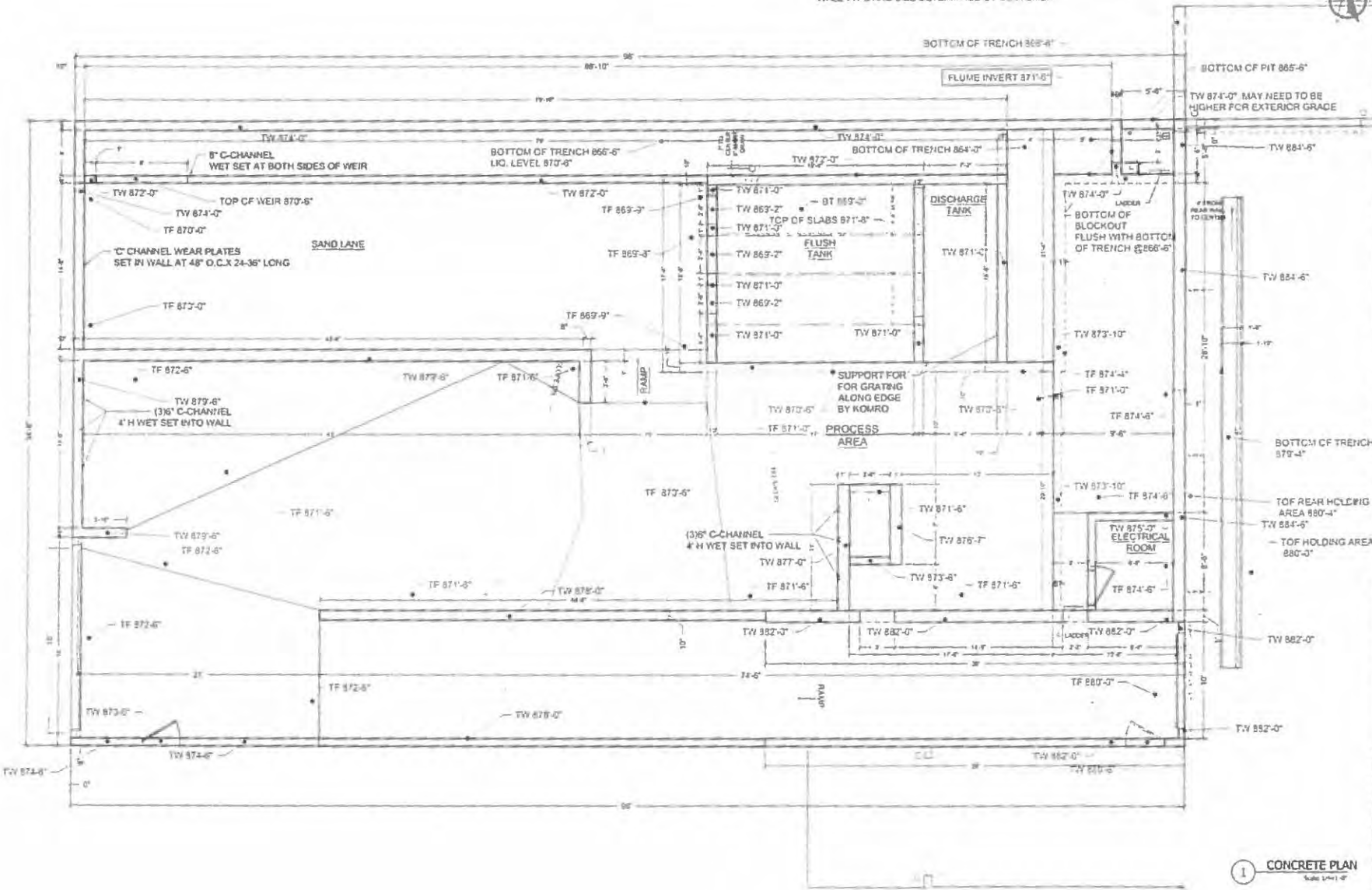


MEIER MEADOWS
DAKOTA ROAD
RIDOTT, ILLINOIS, 61067

WALL DETAILS

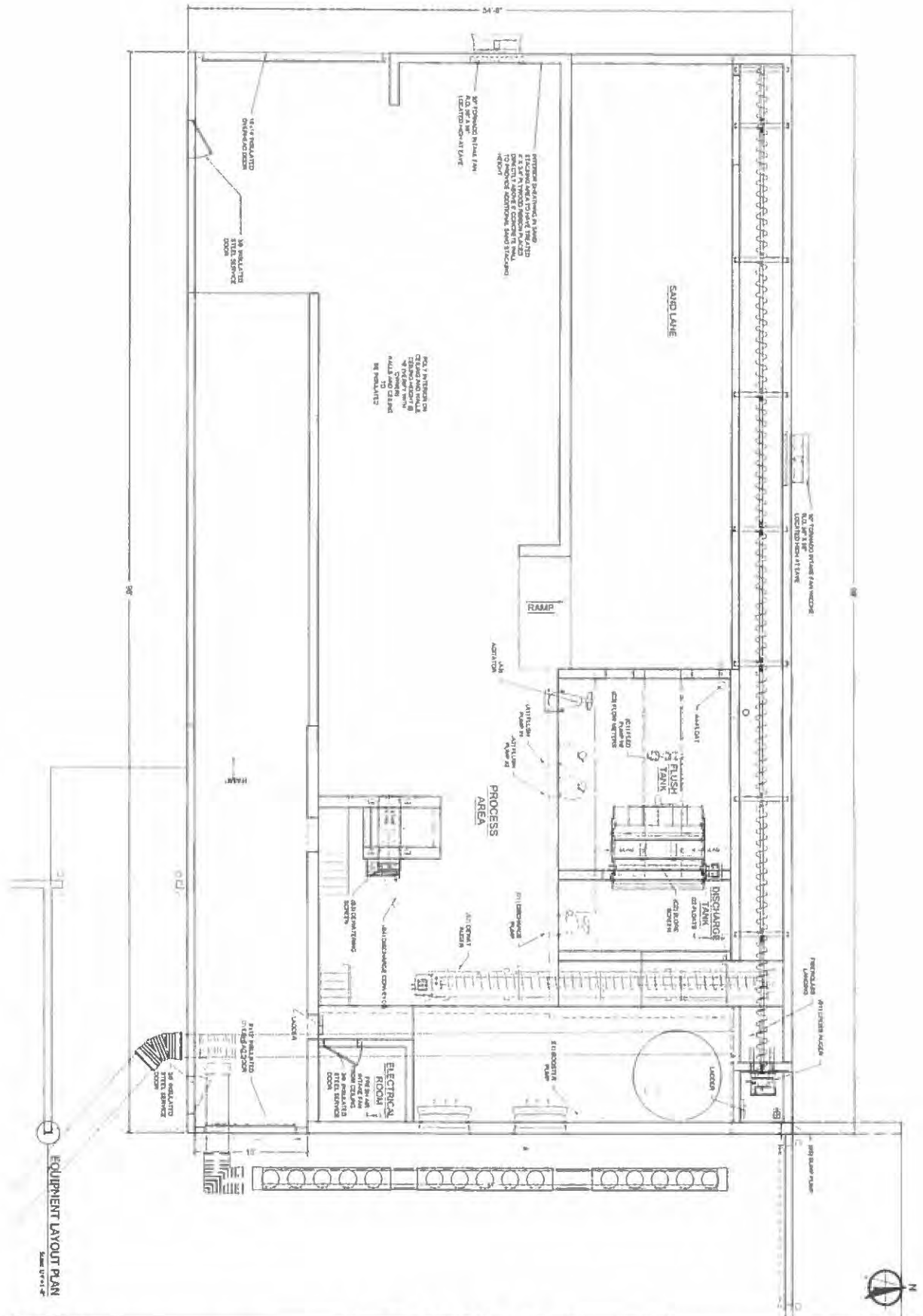
PROJECT NO.
10W14
DATE
04/06/18
SHEET NO.
18
OF 1271 SHEETS

RETAINING WALL FOR GRADE CHANGE
 NOT PART OF SAND ROOM CONSTRUCTION
 WALL TYPE AND SIZE DETERMINED BY CUSTOMER

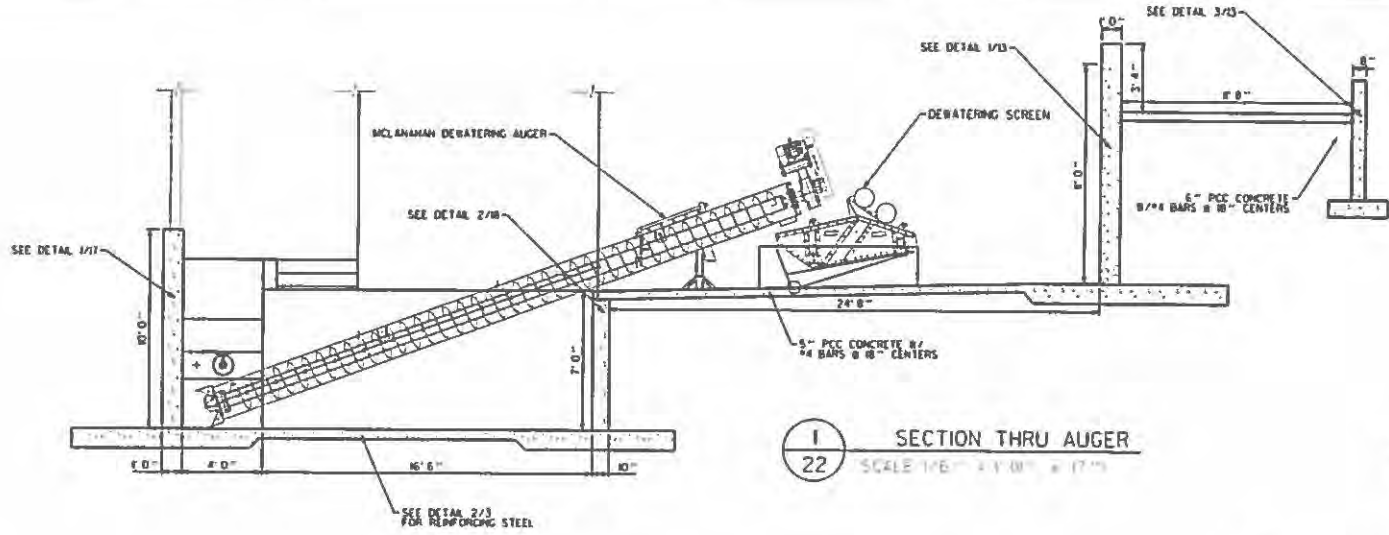


<p>DATE: 4/5/16</p> <p>PROJECT: SAND SEPARATION</p> <p>SCALE: 1/4" = 1'-0"</p> <p>A101</p>	<p>KOMRO SALES & SERVICE, INC. DURAND, WI</p>	<p>MEIER MEADOWS PROJECT SAND SEPARATION</p>	<p>DATE: 4/5/16</p> <p>PROJECT: SAND SEPARATION</p> <p>SCALE: 1/4" = 1'-0"</p> <p>A101</p> <p>DATE: 4/5/16</p>
---------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------	-------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------

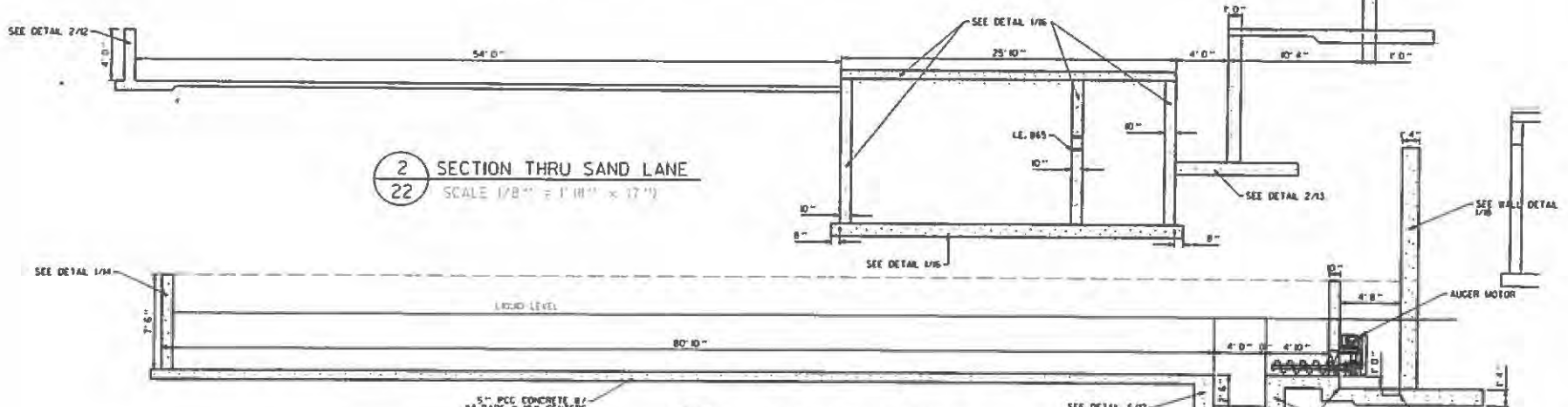
1 CONCRETE PLAN
 Scale 1/4" = 1'-0"



DATE: 4/5/16	JOB NO: M100	CLIENT: MEIER MEADOWS		DESIGNER FOR AG AUTOMATION & FACILITY CONTRACTORS SINCE 1960 800 999 6666 P 715-872-4282 F 715-872-4479 WWW.KOMROSALES.COM	REV NO	REV DESCRIPTION	DATE	BY
		PROJECT: SAND SEPARATION						



1
SECTION THRU AUGER
SCALE 1/8" = 1' 0" x 17"



2
SECTION THRU SAND LANE
SCALE 1/8" = 1' 0" x 17"

3
SECTION THRU CHANNEL
SCALE 1/4" = 1' 0" x 17"

REVISIONS		
NO.	DATE	BY

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

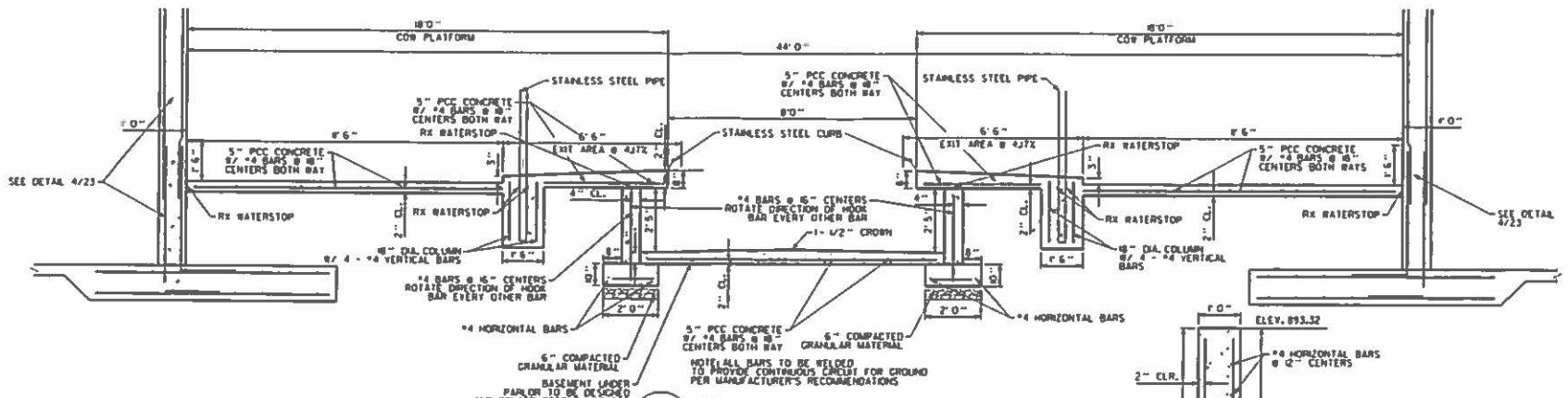
WAGSLE CONSULTING & AGRICULTURE
 709 WEST OAK STREET
 LENA, ILLINOIS, 61041
 815 275-7662
 WAGSLECONSULTING@MIDWESTTEL.NET

CONTACT JULIE AT 815 OR 800-892-0123
 with the following:
 County: _____
 City/Township: _____
 Sec. & 14 Sec No: _____
 8 HOURS of working days BEFORE YOU DIG

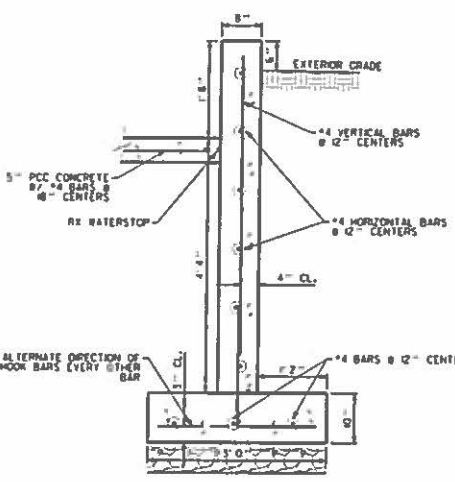
MEIER MEADOWS
 DAKOTA ROAD
 RIDOTT, ILLINOIS, 61067

WALL DETAILS

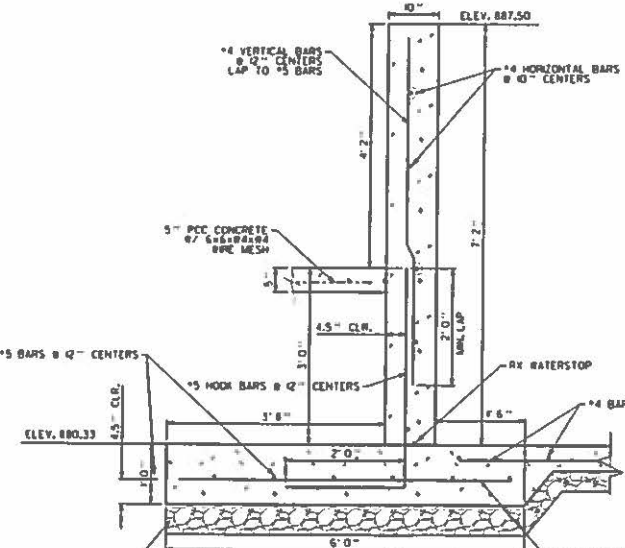
PROJECT NO. 10101-4
 DATE 04/06/16
 SHEET NO. 22
 OF 127 SHEETS



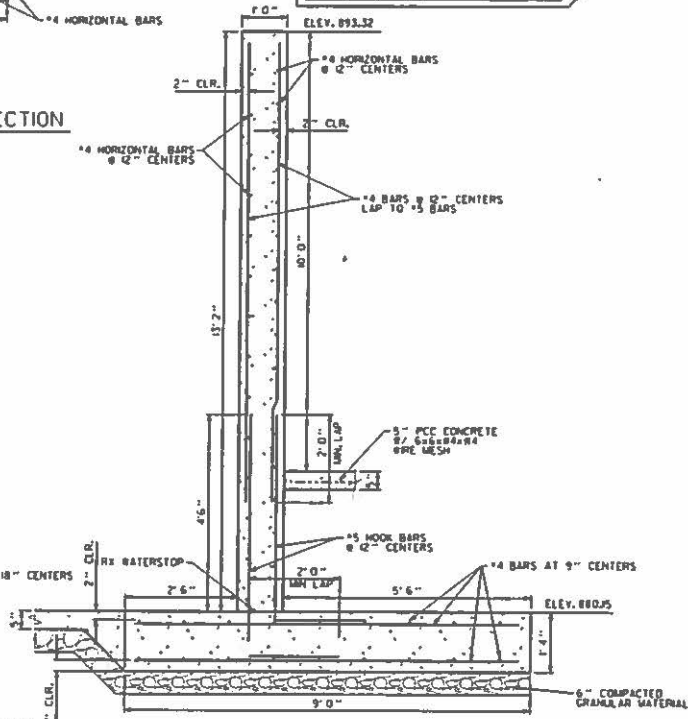
2 MILKING PARLOR CROSS SECTION
 23 SCALE 1/4" = 1' (11" x 17")



1 6' WALL DETAIL
 23 SCALE 1/2" = 1' (11" x 17")



3 EAST COW DECK WALL DETAIL
 23 SCALE 1/2" = 1' (11" x 17")



4 COW DECK END WALL DETAIL
 23 SCALE 1/2" = 1' (11" x 17")

REVISIONS			
NO.	DATE	BY	REMARKS

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

WAGNER CONSULTING & AGRICULTURE
 709 WEST OAK STREET
 LENA, ILLINOIS, 61049
 815-275-7642
 WAGNERCONSULTAG@M.DIACOMMB.NET

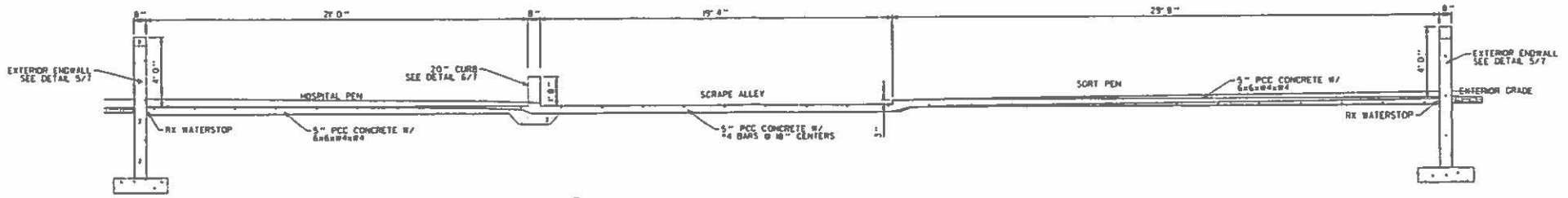
CONTACT JULIE AT 811 OR 800-892-0123
 With the following:

 City

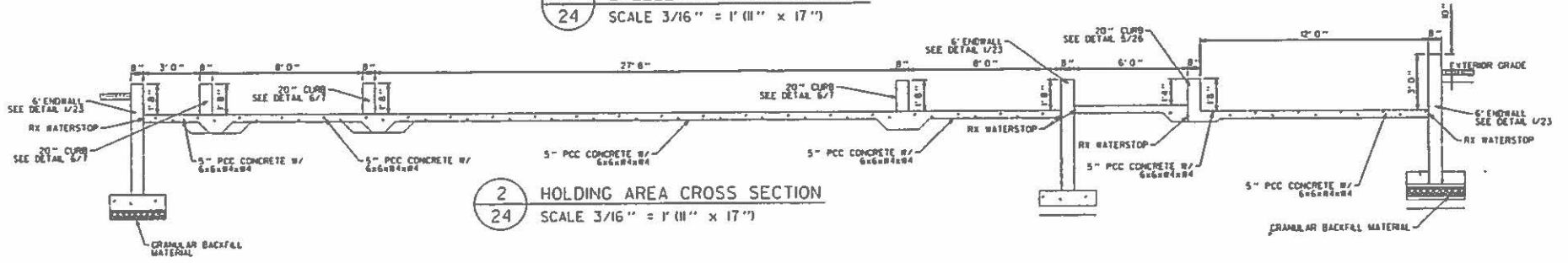
 State & 14 Sec No
 18 HOURS 12 working days BEFORE POSTING

MEIER MEADOWS
 DAKOTA ROAD
 RIDOTT, ILLINOIS, 61067
 MILKING PARLOR DETAILS

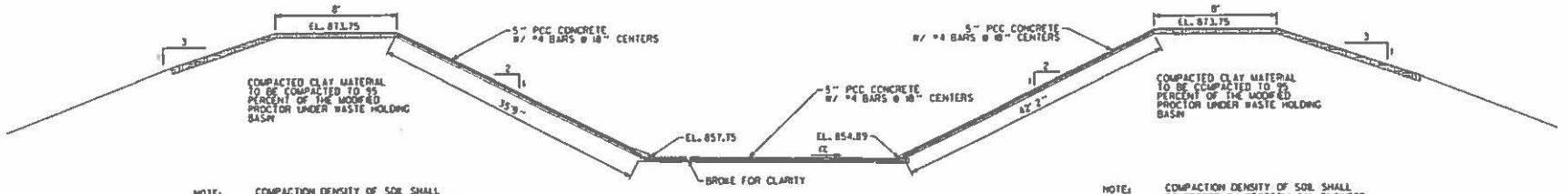
PROJECT NO.	10W14
DATE	04/09/16
SHEET NO.	23
OF 1271 SHEETS	



1 BREEZEWAY CROSS SECTION
24 SCALE 3/16" = 1' (11" x 17")



2 HOLDING AREA CROSS SECTION
24 SCALE 3/16" = 1' (11" x 17")



3 WASTE HOLDING BASIN N/S SECTION
24 NOT TO SCALE

NOTE: EXTERIOR SIDE SLOPE AND TOP OF BERM SHALL BE SEEDED WITH A MIXTURE OF GRASS, TIMOTHY, AND PERENNIAL RYEGRASS AT RATES OF 50.5 AND 20 LBS/ ACRE RESPECTIVELY.

NOTE: COMPACTION DENSITY OF SOIL SHALL BE TESTED BY GEOTECHNICAL ENGINEER PRIOR TO PLACING OF ANY CONCRETE.

NOTE: COMPACTION DENSITY OF SOIL SHALL BE TESTED BY GEOTECHNICAL ENGINEER PRIOR TO PLACING OF ANY CONCRETE.

REVISIONS				NO.	DATE	BY	REMARKS

DRAWN M.L.W. CHECKED A.A.W. APPROVED M.L.W.	 	WAGNER CONSULTING & AGRICULTURE 709 WEST DAK STREET LENOX, ILLINOIS, 61048 815-275-7642 WAGNERCONSULTAG@MEDIACOMBB.NET	CONTACT JULIE AT 311 OR 800-892-0123 With the following: County _____ City/Township _____ Sec & T, R _____ 24 HOURS (2 working days) BEFORE YOU GO	MEIER MEADOWS DAKOTA ROAD RIDOTT, ILLINOIS, 61067	PROJECT NO. S0W11 DATE 03/25/16 SHEET NO. 24 OF (27) SHEETS
------------------------------------------------------------	------	------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------	--------------------------------------------------------------------------------------

CROSS SECTIONS OF HOLDING AREA, BREEZEWAY & WHB

NOTE: EXTERIOR SIDE SLOPE AND TOP OF BERM SHALL BE SEEDED WITH A MIXTURE OF OATS, TIMOTHY, AND PERENNIAL RYEGRASS AT RATES OF 50, 5, AND 20 LBS/ ACRE RESPECTIVELY.

COMPACTED CLAY MATERIAL TO BE COMPACTED TO 95 PERCENT OF THE MODIFIED PROCTOR UNDER WASTE HOLDING BASIN

NOTE: COMPACTION DENSITY OF SOIL SHALL BE TESTED BY GEOTECHNICAL ENGINEER PRIOR TO PLACING OF ANY CONCRETE.

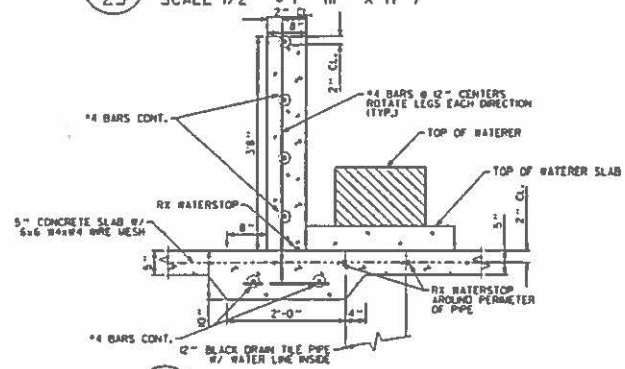
COMPACTED CLAY MATERIAL TO BE COMPACTED TO 95 PERCENT OF THE MODIFIED PROCTOR UNDER WASTE HOLDING BASIN

NOTE: COMPACTION DENSITY OF SOIL SHALL BE TESTED BY GEOTECHNICAL ENGINEER PRIOR TO PLACING OF ANY CONCRETE.

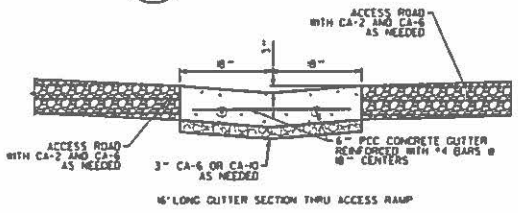
1 WASTE HOLDING BASIN E/W SECTION
25 NOT TO SCALE



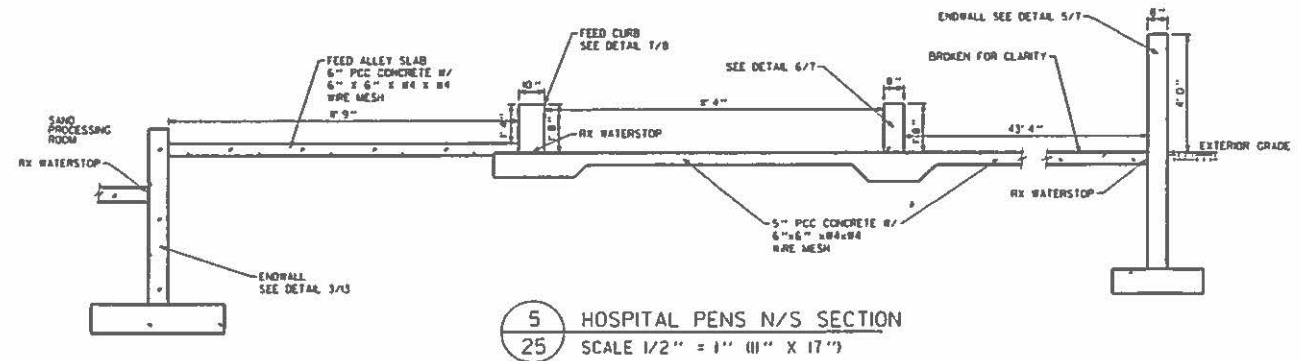
2 4" CURB DETAIL
25 SCALE 1/2" = 1" (11" X 17")



3 WATERER CURB DETAIL
25 SCALE 1/2" = 1" (11" X 17")



4 CONCRETE CHANNEL DETAIL
25 SCALE 1/2" = 1" (11" X 17")



5 HOSPITAL PENS N/S SECTION
25 SCALE 1/2" = 1" (11" X 17")

REVISIONS			
NO.	DATE	BY	REMARKS

DRAWN
M.L.W.
CREATED
A.A.W.
APPROVED
M.L.W.

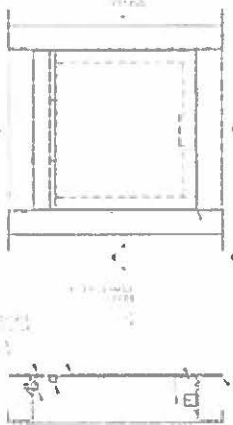
WAGNER CONSULTING & AGRICULTURE
709 WEST OAK STREET
LENEXA, ILLINOIS, 61048
815-275-7642
WAGNERCONSULTAG&MEDIACOMBB.NET

CONTACT JULIE AT 811 OR 800-892-0123
With the following:
County: _____
City/Township: _____
Sec. & 1/4 Sec. No.: _____
15 MINUTES (2 working days) BEFORE YOU DIG

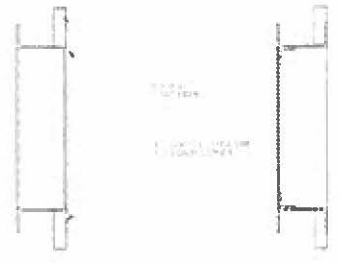
MEIER MEADOWS
DAKOTA ROAD
RIDOTT, ILLINOIS, 61067

CROSS SECTIONS OF WHB & CONCRETE CHANNEL DETAILS

PROJECT NO. 50W13
DATE 03/25/16
SHEET NO. 25 OF (27) SHEETS



SECTION 1 - LID CLOSED

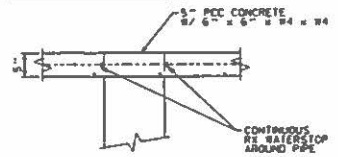


SECTION 2 SECTION 3



SECTION 1 - LID OPEN

1 FLUSH HEAD DETAILS
26 NO SCALE



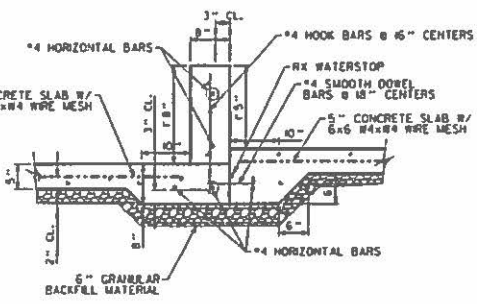
3 TYPICAL PIPE PENETRATION DETAIL
26 SCALE 1/2" = 1" (11" X 17")



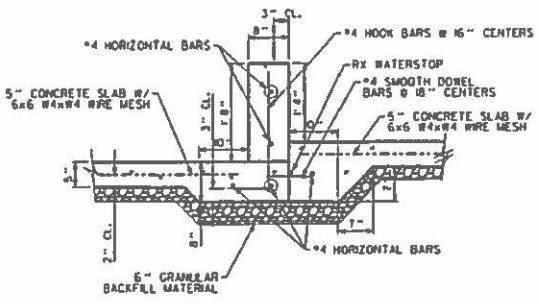
2 FLUSH HEAD SECTION
26 NO SCALE

CONCRETE FLOOR POURED TO PIPE
CONTINUOUS RX AROUND THE
FLUSH HEAD

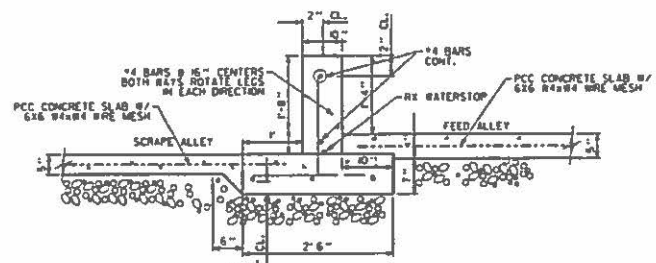
1/2" Ø D219 STD PIPE
ASTM D2241



4 20" CURB DETAIL
26 1/2" = 1" (11" x 17")



5 20" CURB DETAIL
26 1/2" = 1" (11" x 17")



6 FEED CURB DETAIL
26 1/2" = 1" (11" x 17")

REVISIONS			
NO.	DATE	BY	REMARKS

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

W C A

WAGNER CONSULTING & AGRICULTURE
709 WEST OAK STREET
LENA, ILLINOIS, 61048
815-273-7642
WAGNERCONSULTAG&MEDIACOMBB.NET

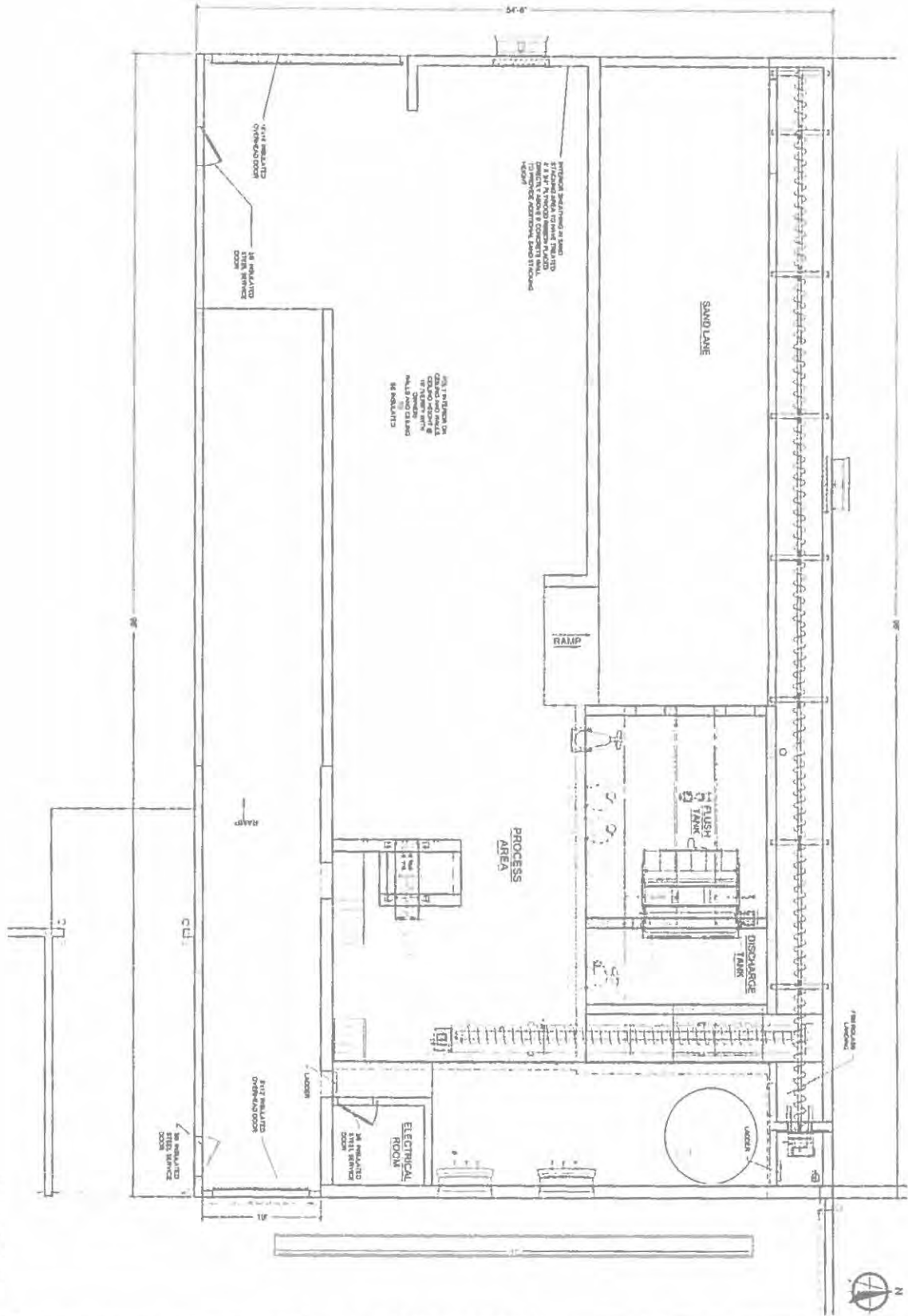
CONTACT JULIE AT 911 OR 800-892-6123
With the following:
City Township
Sec & 1/4 Sec No
48 HOURS (2 working days) BEFORE YOU DIG

JULIE

MEIER MEADOWS
DAKOTA ROAD
RIDOTT, ILLINOIS, 61067

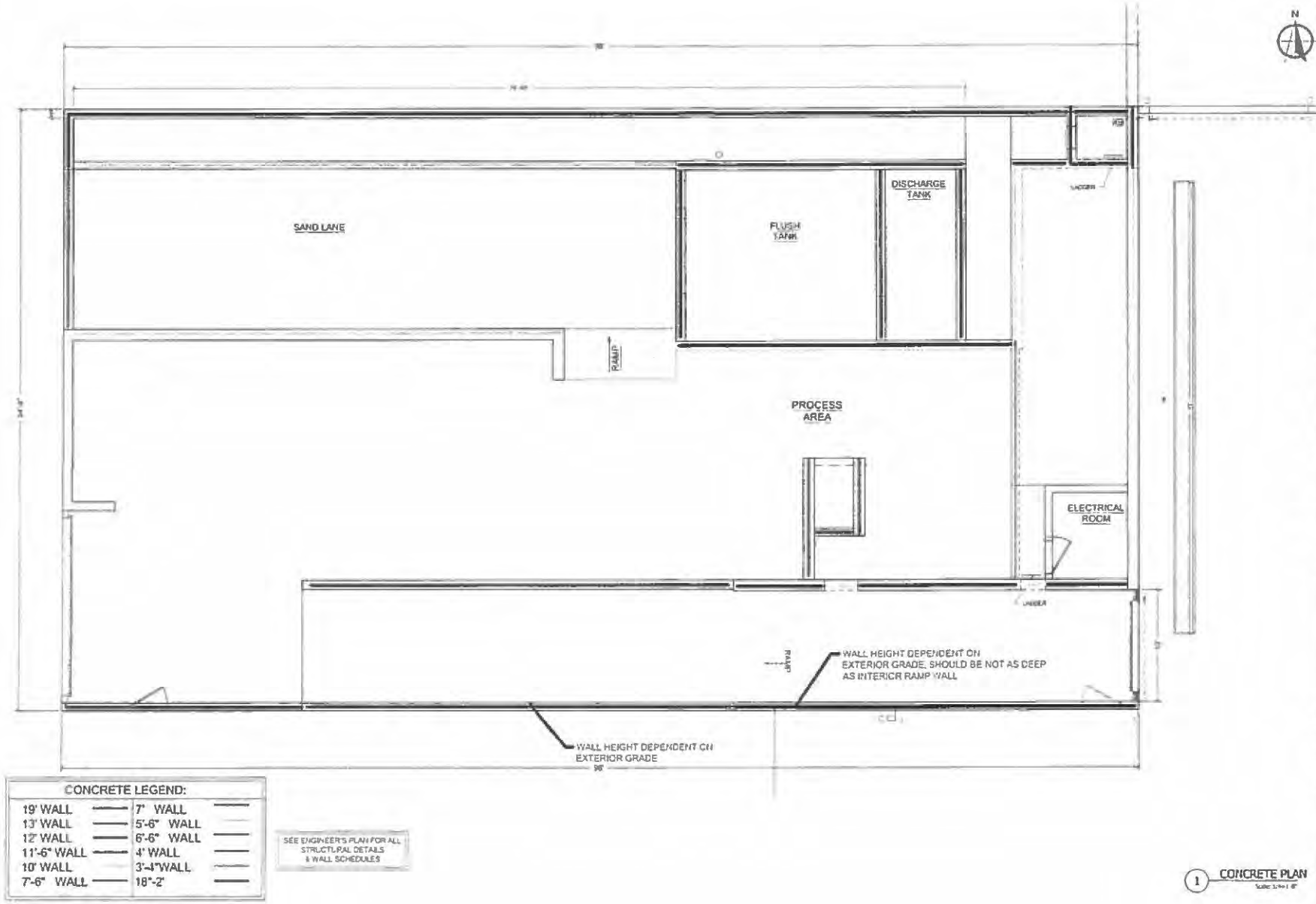
ADDITIONAL DETAILS

PROJECT NO.
SOW 14
DATE
12-22/15
SHEET NO.
26
OF 127 SHEETS



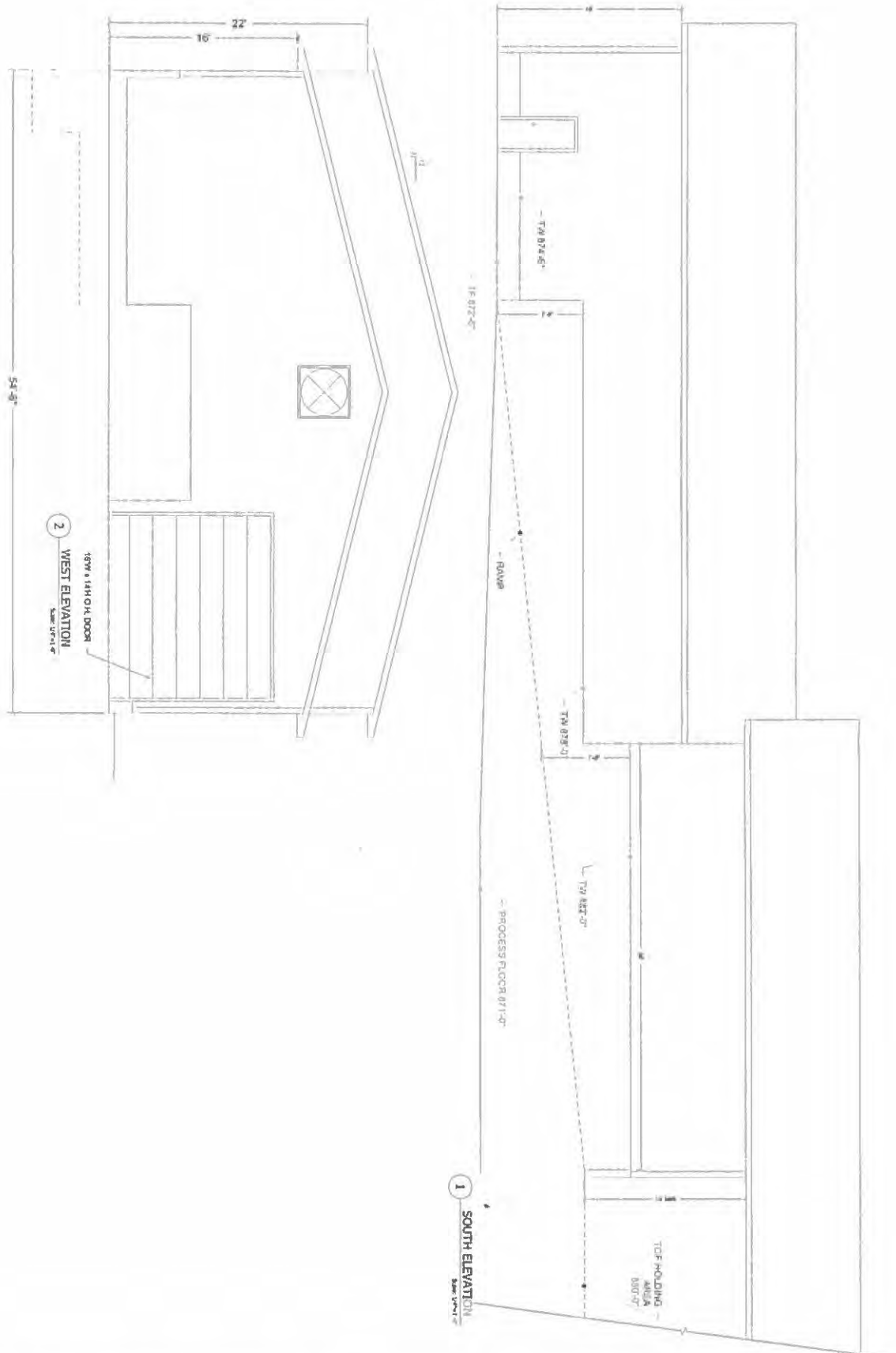
1 FLOOR PLAN
DATE: 4/5/16

SHEET NO. A100 DATE 4/5/16	CUSTOMER MEIER MEADOWS	KOMRO SALES & SERVICE, INC. DURAND, WI	DESIGNER FOR ME AUTOMATION & FACILITY CONTRACTING - SINCE 1990 - PHONE 7077 08 DURAND, WI 54629 P 734-873-2411 F 734-873-2412 WWW.KOMROSALES.COM	REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>REVISION DESCRIPTION</th> <th>DRAWN BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	REVISION DESCRIPTION	DRAWN BY	DATE				
	NO.		REVISION DESCRIPTION	DRAWN BY	DATE							
PROJECT: SAND SEPARATION	DISCUSS/REVISION NOTES: THESE DRAWINGS & INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF KOMRO SALES & SERVICE, INC. ANY DUPLICATION OR DISTRIBUTION HEREIN TO BE APPROVED BY KOMRO SALES & SERVICE.											

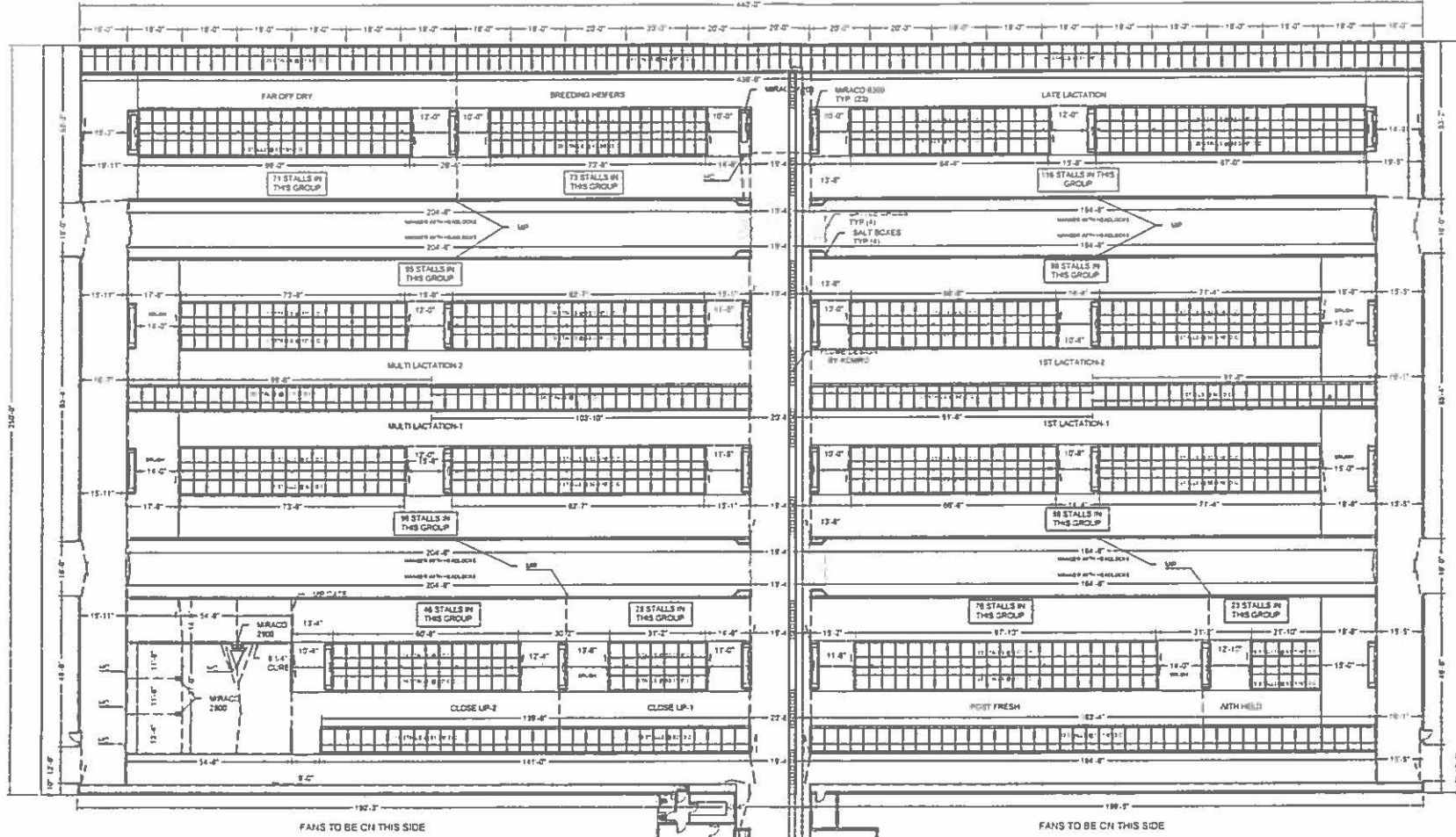


1 CONCRETE PLAN
Scale 1/4" = 1'

MEIER MEADOWS PROJECT: SHAD SEPARATION	SHEET NO. A101 DATE 4/5/16
REVISIONS: _____ DATE: _____ BY: _____ APPROVED BY: _____ PROJECT: SHAD SEPARATION PREPARED BY: _____ CHECKED BY: _____ DATE: _____	
READ FOR INFORMATION ONLY. THIS IS NOT A CONTRACT DOCUMENT. IT IS NOT TO BE USED FOR CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS ON THE JOB. THE INFORMATION HEREIN IS FOR INFORMATION ONLY. IT IS NOT TO BE USED FOR CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS ON THE JOB. THE INFORMATION HEREIN IS FOR INFORMATION ONLY. IT IS NOT TO BE USED FOR CONSTRUCTION.	



DATE 4/5/16	REV A300	CUSTOMER MEIER MEADOWS		DEALER FOR AUTOMATION & FACILITY CONTRACTING	REV#	REVISION DESCRIPTION	DATE	BY
		PROJECT: SAND SEPARATION		1000 W. HWY. 50 DURAND, WI 54735 P: 715-472-2483 F: 715-472-2478 WWW.KOMROSALES.COM				
		IL	(THIS OFFER AND/OR THESE CHANGES & REVISIONS CONTAINED WITHIN ARE THE PROPERTY OF KOMRO SALES & SERVICE, INC. ANY DUPLICATION OR DISTRIBUTION NEEDS TO BE APPROVED BY KOMRO SALES					



FREESTALL DETAIL

SCALE: NTS

BUILDING NOTES:
 BARN LENGTH 443'-0"
 BARN WIDTH 257'-0"
 TOTAL STALLS 600

DRAWING KEY

	9 BAR GATE
	3 BAR GATE
	FENCING / PANEL
	6" GALVANIZED POST
	4" GALVANIZED POST
	3" GALVANIZED POST

OWNER:
MEIER MEADOWS

PROJECT:
FREESTALL BARN



DATE DRAWN:
11/27/2015

LAST REVISIONS:

1/21/2015	3/11/2016
5/14/2015	3/17/2016
5/18/2015	11/21/2016
8/21/2015	4/26/2016
1/6/2016	4/26/2016
1/22/2016	
1/23/2016	
2/17/2016	
3/7/2016	

DRAWN BY:
S.SEMMETZ

THESE PLANS HAVE BEEN PRODUCED BY SPIEGELBERG IMPLEMENT, INC. WE WELCOMED WE ONLY REPRODUCE FOR OTHER USE OF THESE DRAWINGS WITHOUT THE WRITTEN CONSENT OF SPIEGELBERG IMPLEMENT, INC. ANY OTHER USE IS STRICTLY PROHIBITED.

PAGE:
1 OF 1

FREESTALL DETAIL

SCALE: NTS

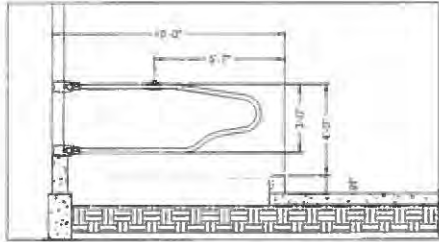
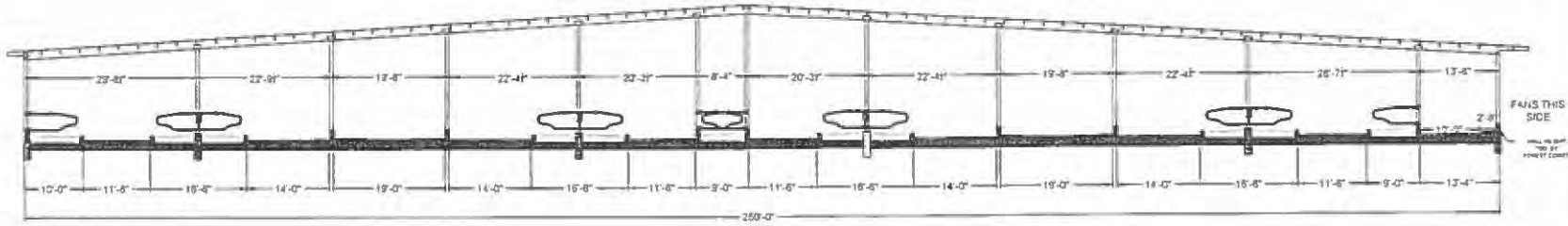
DRAWING KEY

- 1 BAR GATE
- 1 BAR GATE
- FENCING / PANEL
- 6" GUARD POST
- 4" GALVANIZED POST
- 4" GALVANIZED POST
- 3" GALVANIZED POST

BUILDING NOTES:

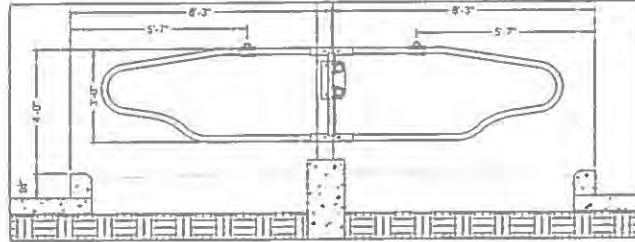
BARN LENGTH 440' 0"
 BARN WIDTH 250' 0"
 TOTAL STALLS 800

- ELEVATIONS**
- 1) LITTER ALLEYS +20
 - 2) OUTSIDE WALLS +20
 - 3) END WALLS +44
 - 4) WATER WALLS +48
 - 5) STALL END WALLS +20
 - 6) STALL FRONT WALL +20
 - 7) WATER PADS +12
 - 8) PILLARS +14
 - 9) CROSS OVERS +4
 - 10) MANGER WALLS +20
 - 11) MANAGER +3



SINGLE FREESTALL DETAIL

SCALE: NTS



HEAD TO HEAD FREESTALL DETAIL

SCALE: NTS

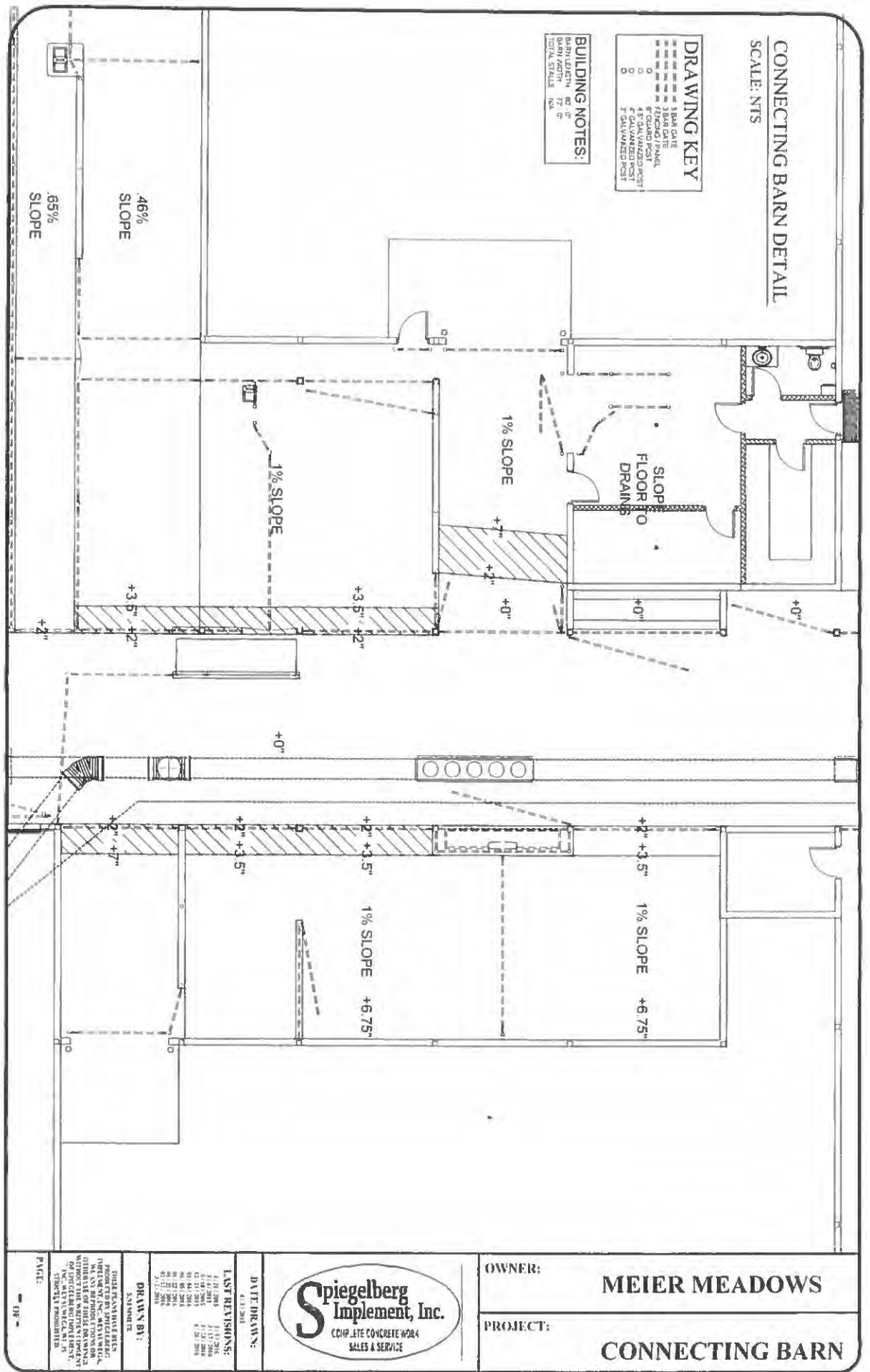
OWNER: MEIER MEADOWS
PROJECT: FREESTALL BARN



DATE DRAWN: 11/1/2016
LAST REVISIONS:
 02/24/2016
 06/28/2016
 02/12/2016
 3/1/2016
 2/19/2016
 2/17/2016
 1/1/2016
 4/14/2016
 08/08/2016

DRAWN BY: S. NEMMEZ

THESE PLANS HAVE BEEN PROVIDED BY SPIEGELBERG IMPLEMENT, INC. ANY REVISIONS OR OTHER USE OF THESE DRAWINGS WITHOUT THE WRITTEN CONSENT OF SPIEGELBERG IMPLEMENT, INC. - WEA, INC. IS STRICTLY PROHIBITED.



CONNECTING BARN DETAIL
SCALE: NTS

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65% SLOPE

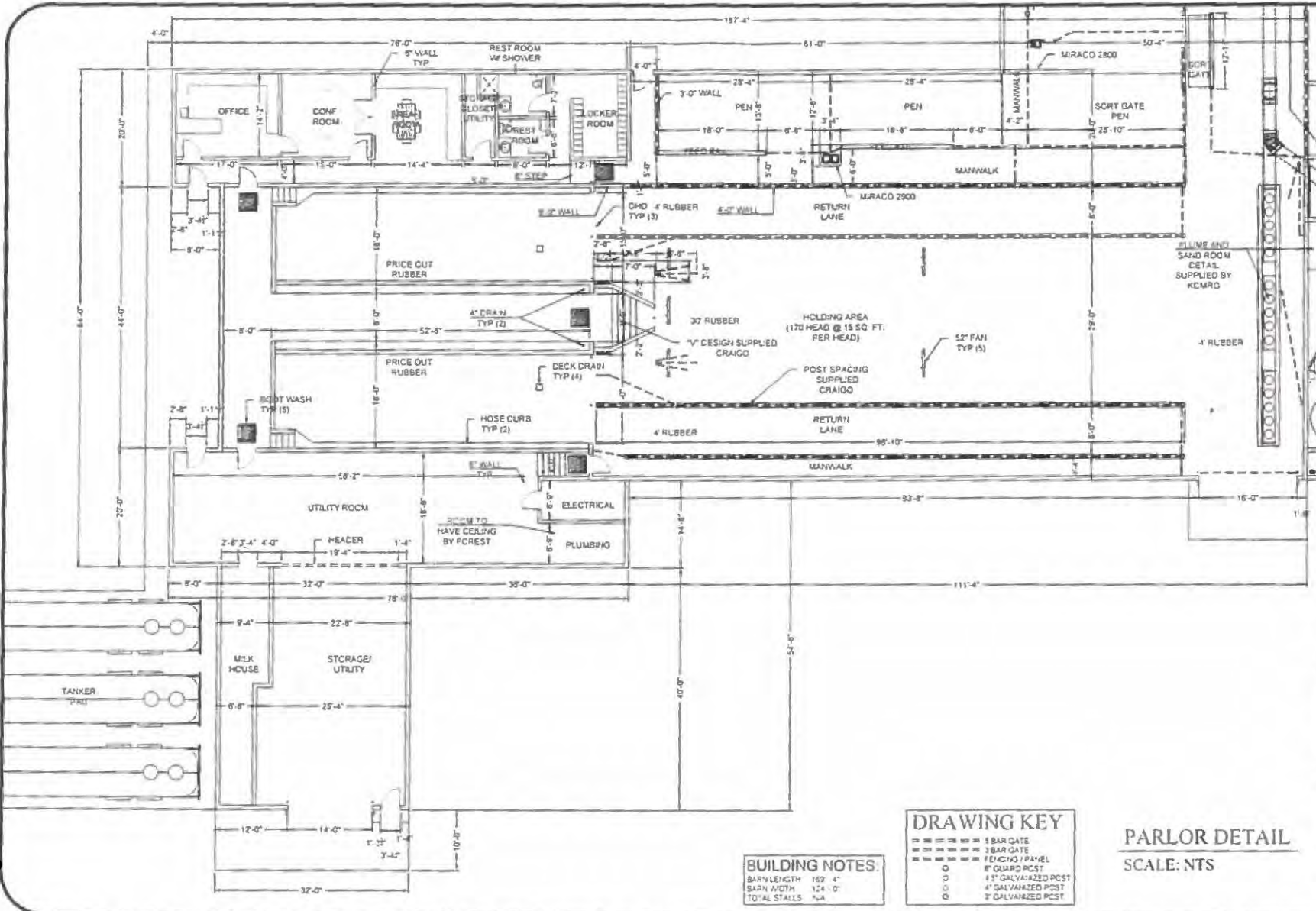
1% SLOPE

1% SLOPE

1% SLOPE

1% SLOPE

<p>OWNER: MEIER MEADOWS</p> <p>PROJECT: CONNECTING BARN</p>	 <p>CHIP, LITE CONCRETE WORK SALES & SERVICE</p>	<p>DATE DRAWN: 4/1/2018</p>	<p>LAST REVISIONS:</p> <table border="1"> <tr><td>1</td><td>4/1/2018</td><td>1/1/2018</td></tr> <tr><td>2</td><td>4/1/2018</td><td>1/1/2018</td></tr> <tr><td>3</td><td>4/1/2018</td><td>1/1/2018</td></tr> <tr><td>4</td><td>4/1/2018</td><td>1/1/2018</td></tr> <tr><td>5</td><td>4/1/2018</td><td>1/1/2018</td></tr> <tr><td>6</td><td>4/1/2018</td><td>1/1/2018</td></tr> <tr><td>7</td><td>4/1/2018</td><td>1/1/2018</td></tr> <tr><td>8</td><td>4/1/2018</td><td>1/1/2018</td></tr> <tr><td>9</td><td>4/1/2018</td><td>1/1/2018</td></tr> <tr><td>10</td><td>4/1/2018</td><td>1/1/2018</td></tr> <tr><td>11</td><td>4/1/2018</td><td>1/1/2018</td></tr> <tr><td>12</td><td>4/1/2018</td><td>1/1/2018</td></tr> <tr><td>13</td><td>4/1/2018</td><td>1/1/2018</td></tr> <tr><td>14</td><td>4/1/2018</td><td>1/1/2018</td></tr> <tr><td>15</td><td>4/1/2018</td><td>1/1/2018</td></tr> 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BUILDING NOTES:
 BARN LENGTH 162'-4"
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 TOTAL STALLS 144

DRAWING KEY

- 5 BAR GATE
- 3 BAR GATE
- FENCING / PANEL
- 8" OULD POST
- 4" GALVANIZED POST
- 3" GALVANIZED POST

PARLOR DETAIL
 SCALE: NTS

OWNER: MEIER MEADOWS
PROJECT: PARLOR



DATE DRAWN: 4/11/2015

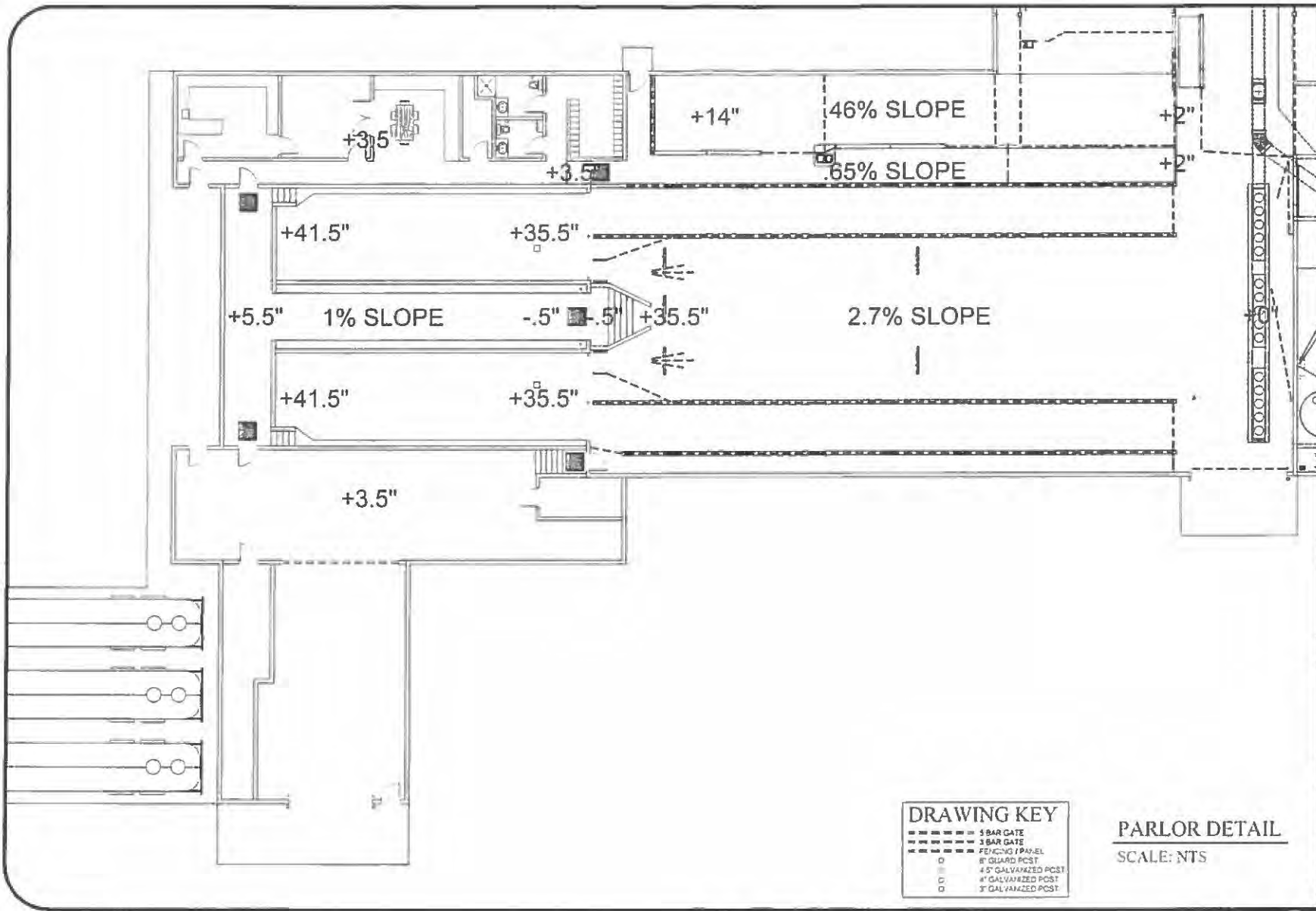
LAST REVISIONS:

4/21/2015	02/12/2016
5/14/2015	3/12/2016
5/17/2015	3/19/2016
7/16/2015	3/17/2016
12/9/2015	3/24/2016
12/24/2015	6/12/2016
09/04/2016	1/20/2016
08/03/2016	8/25/2016
08/23/2016	8/25/2016
09/12/2016	8/25/2016

DRAWN BY: S. S. MUEZZE

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PAGE: 3 OF -



DRAWING KEY

- 5 BAR GATE
- 3 BAR GATE
- FENCING PANEL
- 8" GUARD PCST
- 4" GALVANIZED PCST
- 6" GALVANIZED PCST
- 3" GALVANIZED PCST

PARLOR DETAIL
SCALE: NTS

OWNER: **MEIER MEADOWS**
PROJECT: **PARLOR**



DATE DRAWN:
4/1/2018

LAST REVISIONS:

4/23/2018	2/23/2018
5/14/2018	4/26/2018
5/14/2018	5/24/2018
5/14/2018	
11/07/2018	
12/24/2018	
02/23/2019	
02/12/2019	
2/27/2019	
4/1/2018	

DRAWN BY:
S-MOORE

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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 December 6, 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

Jason Meier
5 North Dakota Road
Ridott, Illinois 61067

[Electronic Filing]

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

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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

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