

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

**WIN Production, LLC.
(Property Identification Number
0231100006)**

)
) **PCB 20-**
) **(Tax Certification)**
)

NOTICE

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

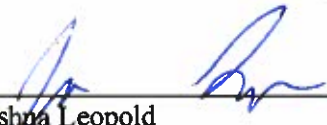
Brian Bradshaw
44619 Co. HWY 2
Griggsville, IL 62340

Copies also provided electronically as follows:

Illinois Department of Revenue
Via email at REV.PropTaxApp@illinois.gov
101 West Jefferson
Post Office Box 19033
Springfield, Illinois 62794

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: 
Joshua Leopold
Assistant Counsel
Division of Legal Counsel

DATED: November 6, 2020

Illinois Environmental Protection Agency
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
(217) 558-1333

THIS FILING IS SUBMITTED ON RECYCLED PAPER

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

WIN Production, LLC.
(Property Identification Number
0231100006)

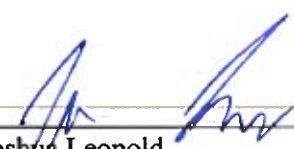
)
) **PCB 20-**
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)

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: _____


Joshua Leopold
Assistant Counsel
Division of Legal Counsel

DATED: November 6, 2020

Illinois Environmental Protection Agency
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
(217)558-133

THIS FILING IS SUBMITTED ON RECYCLED PAPER

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

Win Production, LLC.)
(Property Identification Number) **PCB 20-**
0231100006)) **(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 13, 2020, the Illinois EPA received a request from WIN Production, LLC. (log number TC-142193, 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: WIN Production, LLC.
1284 Westermeyer Lane
Bluffs, IL 62621

The proposed water pollution control facilities in this request are located in the NW ¼ of Section 31, T15N, R13W of the 3rd PM, in Scott County the above street address and consist of the following:

Livestock waste management facilities consisting of one (1) earthen holding pond (approximately 200 ft. x 130 x 8 ft. as cell 1), two (2) concrete pits (approximately 102 ft. x 281 ft. x 6 ft. each as P1 and P2), and the concrete slatted portion of the floor over the manure pits that capture and contain waste generated in the barns above, and sixteen (16) pump out pits (approximately 6ft. x 6ft each) to allow manure removal from pit P1 and P2.

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

3. Section 11-10 of the Property Tax Code, 35 ILCS 200/11-10 (2014), and Section 125.200(a) of the Board's regulations, 35 Ill. Adm. Code 125.200(a), define

"pollution control facilities" as:

any system, method, construction, device or appliance appurtenant thereto or any portion of any building or equipment, that is designed, constructed, installed or operated for the primary purpose of: eliminating, preventing, or reducing air or water pollution ...or treating, pretreating, modifying or disposing of any potential solid, liquid or gaseous pollutant which if released without treatment, pretreatment modification or disposal might be harmful, detrimental or offensive to human, plant or animal life, or to property.

4. In order to receive preferential tax treatment as pursuant to 35 ILCS 200/11-5 (2014), pollution control facilities must be certified as such by the Board, 35 ILCS 200/11-20 (2014) and 35 Ill. Adm. Code 125.200(a).
5. Upon receipt of a tax certification application, the Illinois EPA must file a recommendation on the application with the Board, 35 Ill Adm. Code 125.204(a).
6. Based on the information in the application and the purpose of the facility, it is the Illinois EPA's engineering judgment that the described facilities may be considered "pollution control facilities," pursuant to 35 Ill. Adm. Code 125.200(a), with the primary purpose of eliminating, preventing, or reducing water pollution, or as otherwise provided in 35 Ill. Adm. Code 125.200, and are eligible for tax certification from the Board.

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

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

By: 

Joshua Leopold
Assistant Counsel
Division of Legal Counsel

Dated: November 6, 2020

Illinois Environmental Protection Agency
1021 North Grand Ave. E.
P.O. Box 19276
Springfield, Illinois 62794-9276
217/558-1333



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

JB PRITZKER, GOVERNOR

JOHN J. KIM, DIRECTOR

Memorandum

To: Charles Gunnarson, Division of Legal Counsel

From: Darin E. LeCrone, Manager, Industrial Unit, Permit Section *DEL*

Date: March 13, 2020

Re: WIN Production, LLC – Bluffs
Recommendation of Tax Certification
Log# TC-142193
Property Index# 0231100006

The Bureau of Water received a request on December 30, 2019 from Brian Bradshaw 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:

WIN Production, LLC
1284 Westermeyer Lane
Bluffs, IL 62621

NW ¼ of Section 31, T15N, R13W of the 3rd PM in Scott County

The livestock waste handling facilities consisting of one (1) earthen holding pond (approximately 200 ft. x 130 ft. x 8 ft. as Cell 1), two (2) concrete pits (approximately 102 ft. x 281 ft. x 6 ft. each as P1 and P2) and the concrete slatted portion of the floor over the manure pits that capture and contain waste generated in the barns above, and sixteen (16) pumpout pits (approximately 6 ft. x 6 ft. each) to allow manure removal from pit P1 and P2. The facility collects, transports and stores livestock waste prior to cropland application.

The facility is further described in the enclosed applications and supporting documents.

Based on the information included in this submittal, it is our engineering judgment that the above proposed facilities may be considered "Pollution Control Facilities" under 35 IAC 125.200(a), with the primary purpose of eliminating, preventing, or reducing water pollution, or as otherwise provided in this section, and therefore eligible for tax certification from the Illinois Pollution Control Board. The Bureau of Water therefore recommends that the Board issue the requested tax certification for these facilities.

If you have any questions regarding the above, please contact Wei Han at 217/782-0610.

DEL:WH:Tax Cert Recommendation.docx

cc: Tax Cert File

Watershed Unit Tax Certification Review Sheet

Project Name: WIN Production, LLC

Date: August 18, 2020

Reviewer: WH

Type: Agchem
 Livestock

Log number: TC-142193

Applicant: Brian Bradshaw
44619 Co. HWY 2
Griggsville, IL 62340

Contact: Terry Feldmann
3116 N. Dries Lane, Suite 100
Peoria, IL 61604

Phone: 309-693-7615

Facility: WIN Production, LLC
1284 Westermeyer Lane
Bluffs, IL 62621

Property Index#: 0231100006

Parcel#:

Legal Description:
NW of Section: 31 Twp: 15N R: 13W PM: 3rd

County: Scott

Signature: Brian Bradshaw

Date Control Devices installed: January 2008

Title: Manager

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) earthen holding pond (approximately 200 ft. x 130 ft. x 8 ft. as Cell 1), two (2) concrete pits (approximately 102 ft. x 281 ft. x 6 ft. each as P1 and P2) and the concrete slatted portion of the floor over the manure pits that capture and contain waste generated in the barns above. Manure pit P1 and P2 have sixteen (16) pumpout pits (approximately 6 ft. x 6 ft. in. each) to allow manure removal from the manure pits. The facility collects, transports and stores livestock waste prior to cropland application.

Pollution control facilities requested by the applicant through Description of Pollution Control Facilities, Section C of the application form and the attached drawings.

One (1) earthen holding pond;
Two (2) concrete manure pits;
Concrete slatted floor at the pit;
Pumpout pits attached to the manure pit, 6 ft. x 6 ft. each

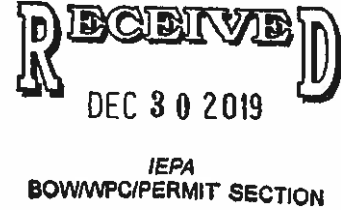
A process flow diagram and a plan view of the pits and holding ponds is submitted with the application.

Recommended Action: issue tax certification.



12/27/2019

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



Mr Keller,

Please find enclosed seven (7) separate Pollution Control Facility (Property Tax Treatment) applications along with supporting attachments. All of the enclosed applications are for farms owned by Win Productions, LLC.

Please contact Terry L. Feldmann, PE or myself at (309) 693-7615 if you have any questions.

Regards,

A handwritten signature in cursive script, appearing to read 'Daniel N. Feucht'.

Daniel N. Feucht, CCA
Agricultural Services Group

TC-142193

WH



Illinois Environmental Protection Agency

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

Application for Certification (Property Tax Treatment) Pollution Control Facility

FOR AGENCY USE ONLY

File Number: _____	Date Rec'd: _____
Certification Number: _____	Date: _____

Facility Type (check one): Air Water

This form is to be used for any application for certification of property tax treatment for a pollution control facility for air or water from the Illinois EPA.

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

Illinois EPA
 Attention: Ray E. Pilapil, Permit Section
 Division of Air Pollution Control
 1021 North Grand Avenue East, P.O. Box 19276
 Springfield, IL 62794-9276

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

I. Applicant Information:

Company Name: <u>WIN Productions, LLC</u>	Person to Contact for Additional Details <u>Terry L. Feldmann</u>
Person Authorized to Receive Certification <u>Brian Bradshaw</u>	Street Address: <u>3116 N. Dries Lane, Suite 100</u>
Street Address: <u>46619 Co. HWY 2</u>	City: <u>Peoria</u> State: <u>IL</u>
City: <u>Griggsville</u> State: <u>IL</u>	Zip: <u>61804</u> Phone: <u>309-693-7615</u>
Zip: <u>62340</u> Phone: <u>217-833-2111</u>	Email Address: <u>tfeldmann@mstutz.com</u>
Email Address: <u>brian@winproductionsllc.com</u>	

II. Facility Information:

Facility Location: Quarter Section: NW-31 Township: 15N Range: 13W
 Municipality: _____ Township: _____

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

Address: 1284 Westermeyer Lane City: Bluffs
 State: IL Zip Code: 62621 County: Scott Book Number: _____

Property Index Number: 0231100006

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: <u>None</u>	Date Issued: _____
NPDES Permit Number: <u>None</u>	Date Issued: _____ Exp. Date: _____
APC Construction Permit Number: <u>None</u>	Date Issued: _____
APC Operating Permit Number: <u>None</u>	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:

N/A

Materials Used in the Process:

N/A

Pollution Control Facility Information:

Please provide a narrative description of the pollution control facility (or low sulfur dioxide emission coal fueled device), and an explanation of why its primary purpose is to eliminate, prevent or reduce pollution.

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

See Attachment 1: Facility Pollution Control Facility Description

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

See Attachment 2: Purpose of the Pollution Control Facility

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: Jan 1, 2008

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

See Attachment 3: Date of First Service

Status of installation on date of application:

See Attachment 4: Status of Installation

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))

Brian Bradshaw Manager
Printed Name: Title:

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

B. Bradshaw 12-23-2019
Signature: Date:

Application for Certification (Property Tax Treatment) Pollution Control Facility
WIN Productions LLC – Sandstone South Farm
By: Maurer-Stutz, Inc

ATTACHMENT 1: Facility Pollution Control Facility Description

The farm consists of the following swine buildings and storage structures:

P1	101'-10" x 281'-4" x 6'-0"	Deep pit below slats concrete storage pit
P2	101'-10" x 281'-4" x 6'-0"	Deep pit below slats concrete storage pit
Cell 1	200' x 130' x 8' w/ 3:1 SS	Earthen Holding Pond

The buildings identified as P1 and P2 on the plans are of equal size and dimensions having 6ft deep pits that consist of a 4" thick base slab and 8" thick pit walls. Precast concrete slotted floors enable excreta and wastewater to fall through and accumulate in the below floor pits. The walls have footings that are 9" thick and 3'-0" wide. Columns within the pit are 12" in diameter, 5'-2" tall and supported by 36"x36" 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 9" inches thick. The recessed sump area is 3'-10"x 5'-4" x 11" deep. Each barn has 8 pumpout pits that collect manure and allow manure transfer through a hose to be pumped for field application or to the additional storage.

Additional storage on the site is available in an earthen holding pond. The dimension of the holding pond is listed above. It is lined with compacted clay material. Manure is transferred, if needed, to the holding pond using a movable manure transfer pump and hose.

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

**Application for Certification (Property Tax Treatment) Pollution Control Facility
WIN Productions LLC – Sandstone South Farm
By: Maurer-Stutz, Inc**

ATTACHMENT 2: Purpose of Pollution Control Facility

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

ATTACHMENT 3: Date of First Service

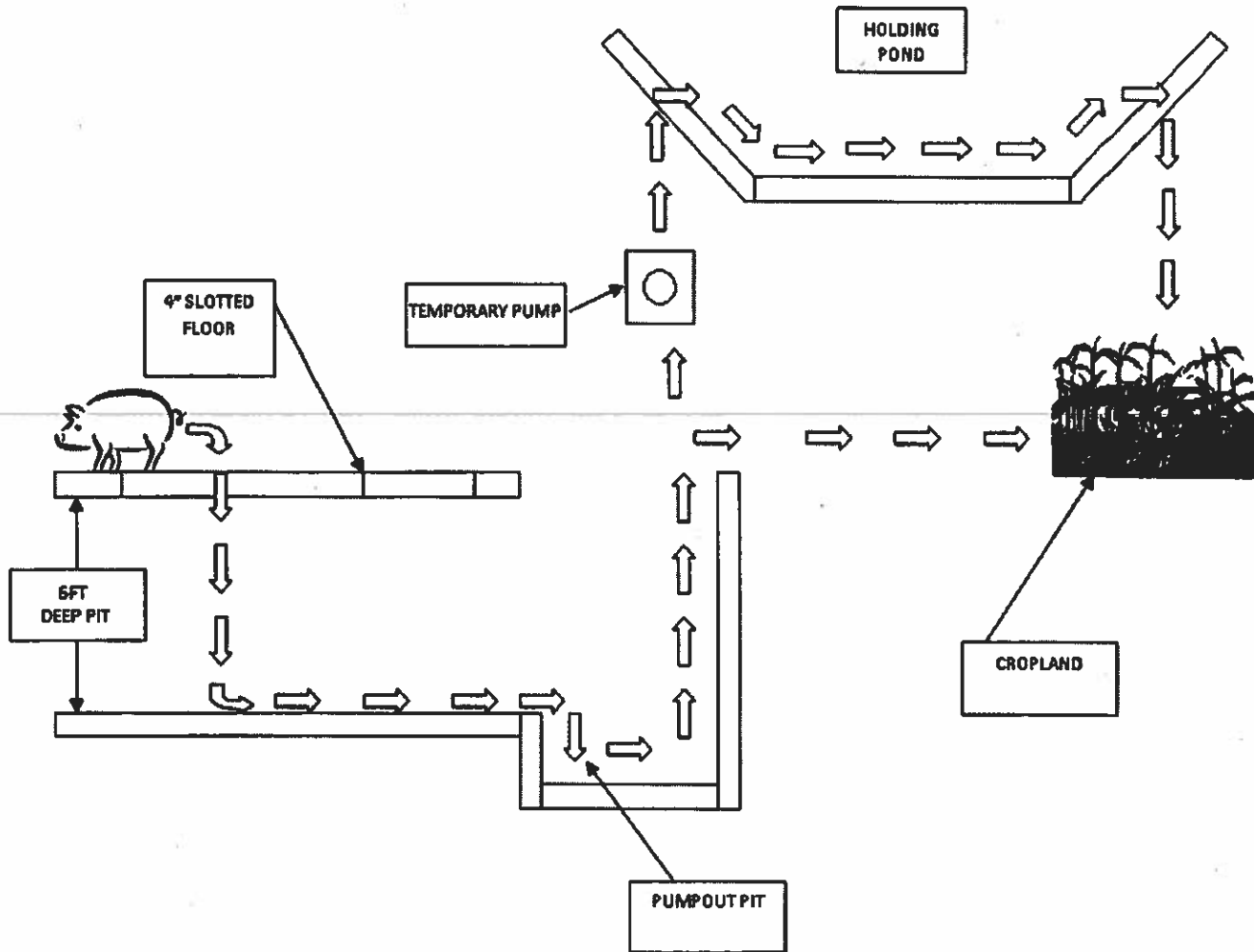
The pollution control facility was first placed into service and operated prior to 1999. Additional barns expanding the facility were under construction in 2007, with the last constructed being placed into service in January 2008.

ATTACHMENT 4: Status of Installation

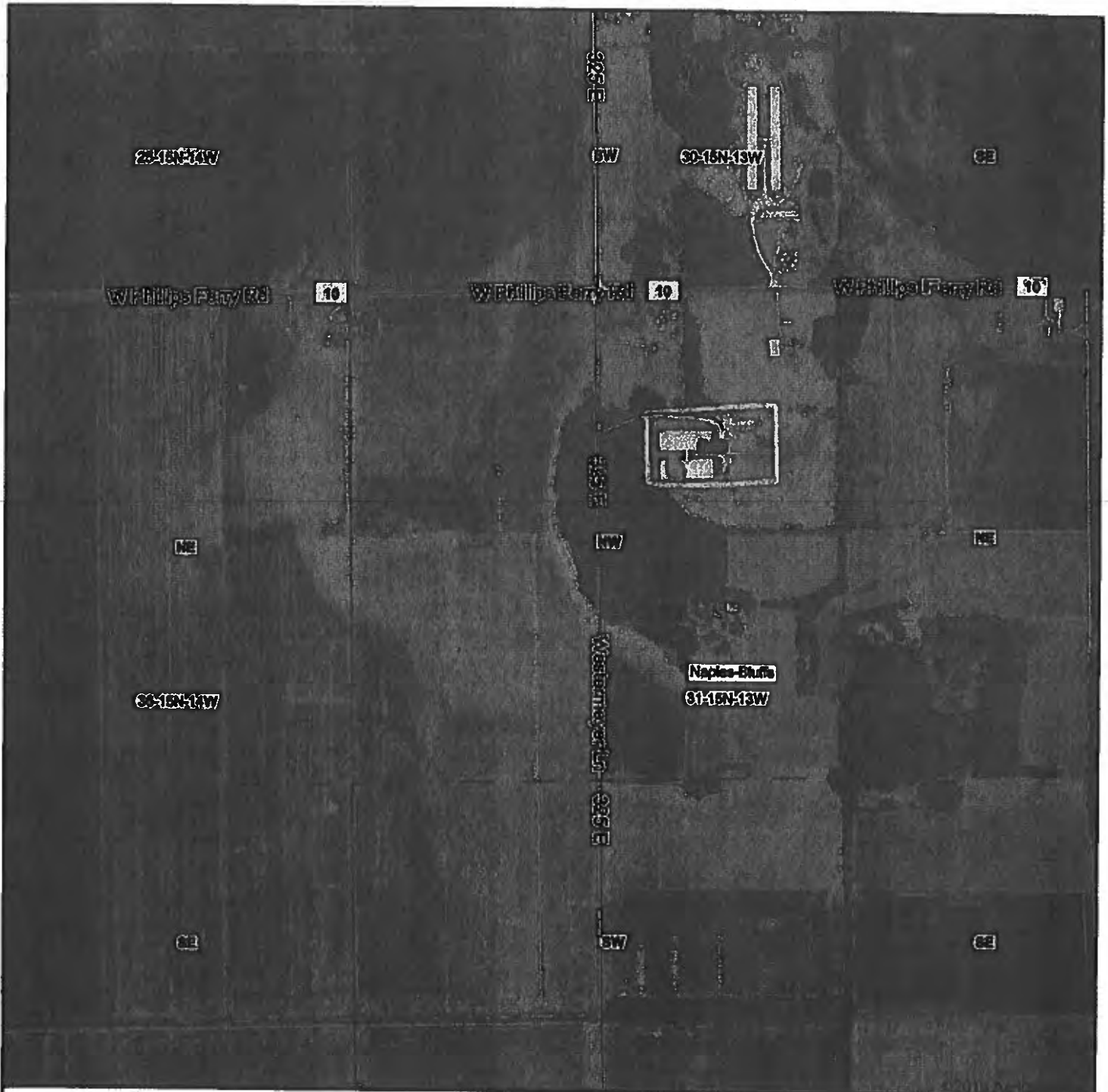
Facilities described in Attachment 1 are fully constructed and in service as of January 1, 2008.

Application for Certification (Property Tax Treatment) Pollution Control Facility
WIN Productions LLC – Sandstone South Farm
By: Maurer-Stutz, Inc

MANURE DIAGRAM



WIN PRODUCTIONS LLC - SANDSTONE SOUTH FARM



map center: 39.706534, -90.593131



MAURER-STUTZ
ENGINEERS SURVEYORS

31-15N-13W
Scott County
Illinois

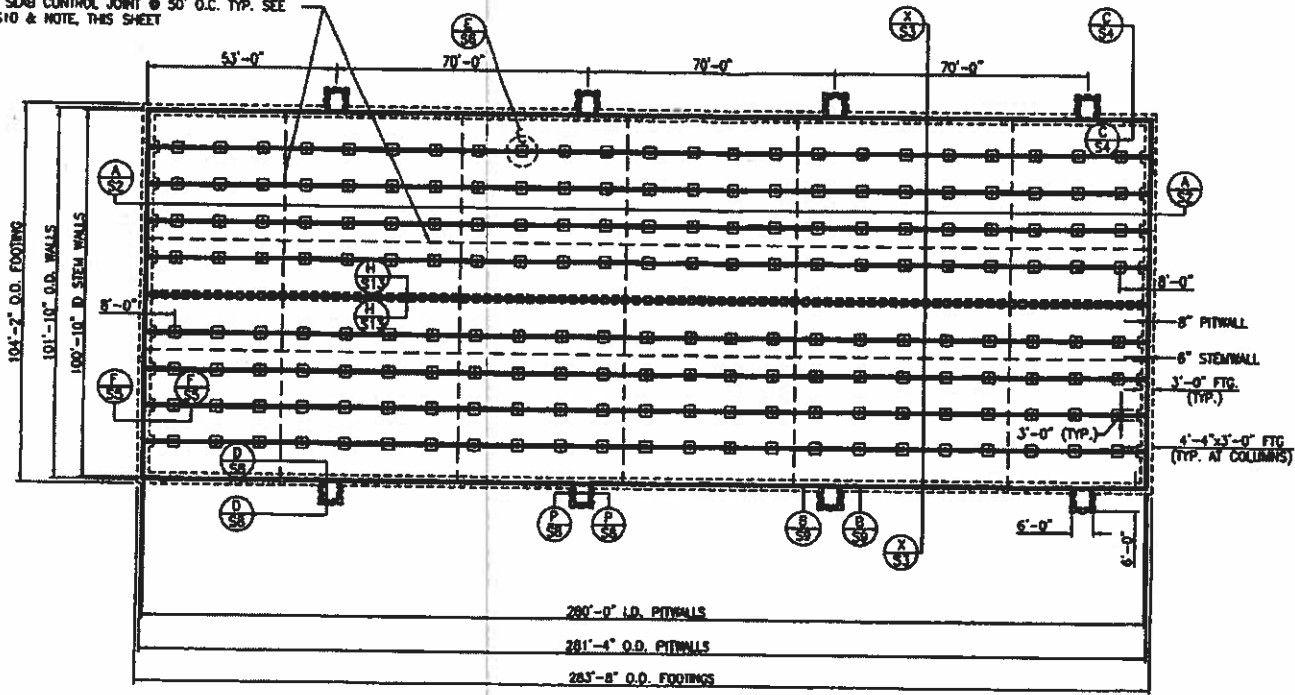


Map Provided By:
surety
CUSTOMIZED ONLINE MAPPING
© AgriData, Inc. 2019 www.AgrDataInc.com

3/7/2019

S:\2020\2008 P\20080358 (Sand Stone South)\Drawings\Structure\CONCRETE PLAN.dwg CONCRETE PLAN.dwg

WALL & SLAB CONTROL JOINT @ 50' O.C. TYP. SEE SHEET S10 & NOTE, THIS SHEET



**CONCRETE PLAN VIEW
NO SOIL**

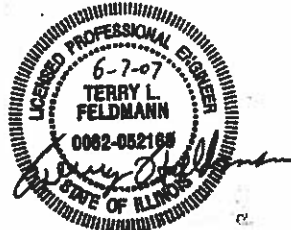
DESIGN CRITERIA

- NET ALLOWABLE SOIL BEARING = 2000 psf FOR WALLS
(FROM TESTS) = 1700 psf FOR COLUMNS
- LOADS:
 - LIVE
 - PKGS = 57.5 psf
 - SNOW = 20 psf
 - DEAD
 - FLOORING = 34 psf
 - ROOF = 10 psf
- F_y STEEL = 60,000 psi
- f_c = 4000 psi @ 28 DAYS FOR WALLS AND COLUMNS
f_c = 3500 psi @ 28 DAYS FOR FLOOR SLABS AND FOOTINGS.
SLUMP SHALL NOT EXCEED 4.5" UNLESS PLASTICIZER IS USED.
WATER-CEMENT RATIO SHALL NOT EXCEED 0.45 AS PLACED.
- FLUID LOAD = 62 psf
- SOIL = 105 psf (DENSITY)
- SOIL LOAD EFP = 80 psf/ft
- LOCATION: SCOTT CO., IL
- BASE SLAB OF TANK IS NOT DESIGNED TO RESIST UPLIFT FORCES. WATER TABLE MUST BE MAINTAINED BELOW.
- SUBGRADE FACTOR = 1.0 FOR ON-SITE SAND (SP)

CONTROL JOINT NOTE

MAXIMUM CONTROL JOINT SPACING = 50'. ALL WALL JOINTS AND FLOOR CONTROL JOINTS SHALL BE ALIGNED. DO NOT LOCATE CONTROL JOINTS WITHIN 3' OF PUMP-OUT WALL CORNERS OR THROUGH COLUMN FOOTINGS. FLOOR SLAB CONTROL JOINTS SHALL STOP AT INSIDE FACE OF WALLS.

NOTE FOR COLUMN SPACING SEE S2 & S3



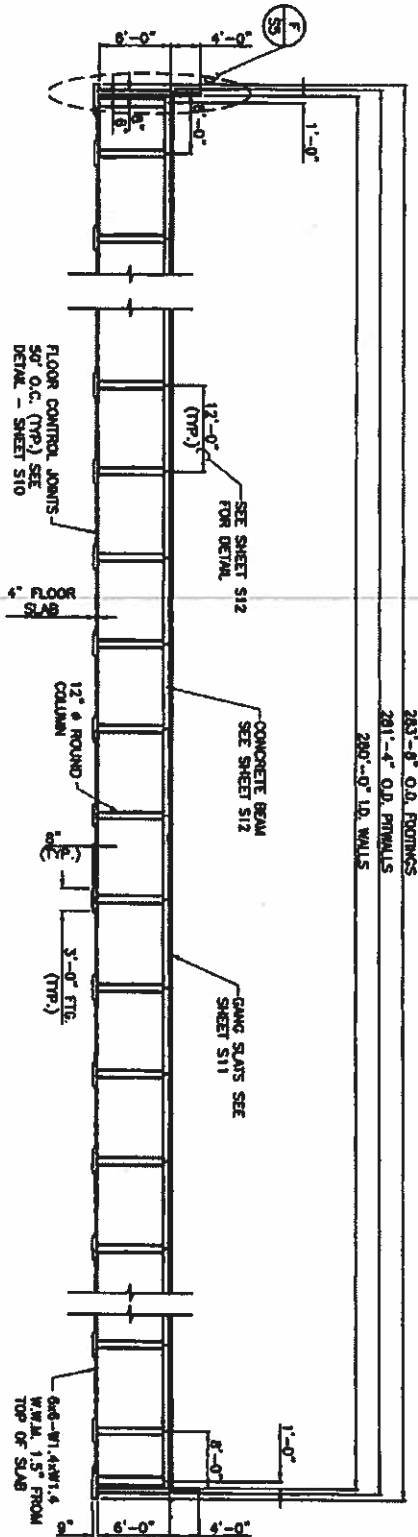
EXP. DATE: 11/2008

THE CONTRACTOR/BUILDER SHALL VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE DESIGNER IMMEDIATELY.

THE IDEAS, DESIGNS, AND DRAWINGS REPRESENTED HEREIN ARE THE SOLE PROPERTY OF MAUNER STUTZ, INC. REPRODUCTION OR USE IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT AUTHORIZATION FROM MAUNER STUTZ, INC. IS PROHIBITED. COPYRIGHT 2007 MAUNER STUTZ, INC. PROFESSIONAL DESIGN FIRM LICENSE #194-000177 PROFESSIONAL ENGINEER LICENSE #063-062109 REVENUE, 11-30-07

SHEET NO.	1
	TOTAL SHEETS
DATE	11/6/2020
	DATE OF ISSUE
DRAWN BY	MAUNER STUTZ, INC.
	DESIGNED BY
CHECKED BY	MAUNER STUTZ, INC.
	APPROVED BY
CONCRETE PLAN	
SANDSTONE SOUTH, LLC	
SANDSTONE SOUTH, LLC	
S1	
13	

S:\238\2008 pr... 238080358 (Sand Stone South)\Drawings\Structure\CADD\S2 SECT A-A.dwg



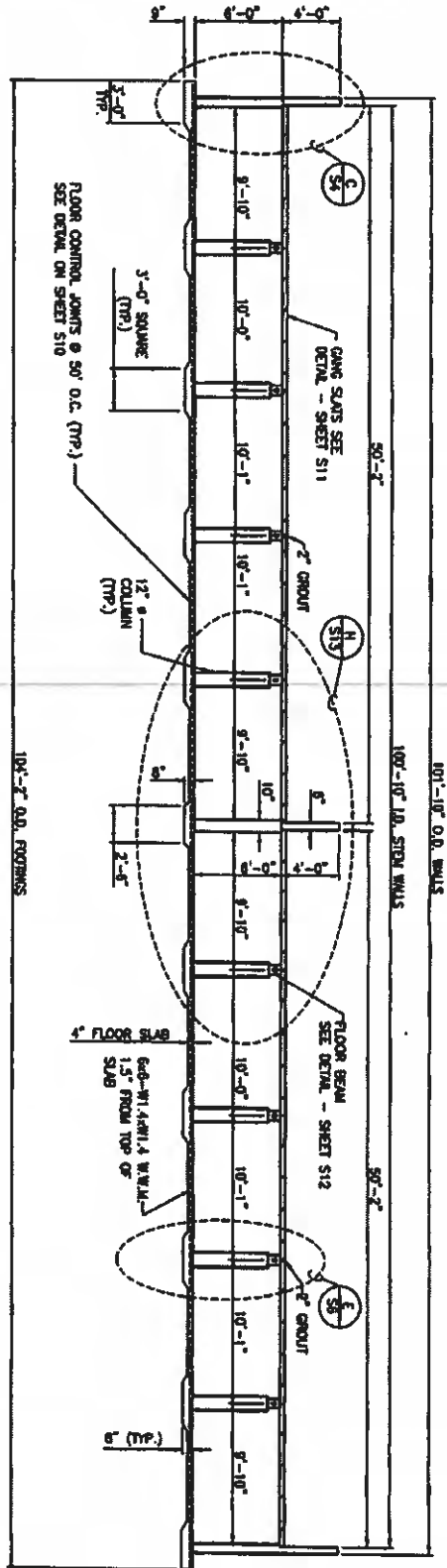
SECTION A-A
IN SCALE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AND STATE AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AND STATE AUTHORITIES.

THE ARCHITECT, ENGINEER AND DESIGNER REPRESENTED HEREON ARE THE SOLE PROVIDER OF PROFESSIONAL SERVICES AND SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT. THE ARCHITECT, ENGINEER AND DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT.

S2 13	PROJECT NO.	238080358	SHEET NO.	13	DATE	04/24/19	OWNER	SANDSTONE SOUTH, LLC	DESIGNED BY	BAHNSON, STUEZ, INC.	CHECKED BY	BAHNSON, STUEZ, INC.	DATE	04/24/19	SCALE	AS SHOWN
	TITLE	BUILDING SECTION A-A		PROJECT		SANDSTONE SOUTH, LLC										

S:\238\2006 pro\238060338 (Sand Stone South)\Drawings\Structural\CAD\53 SECTION X-X.dwg



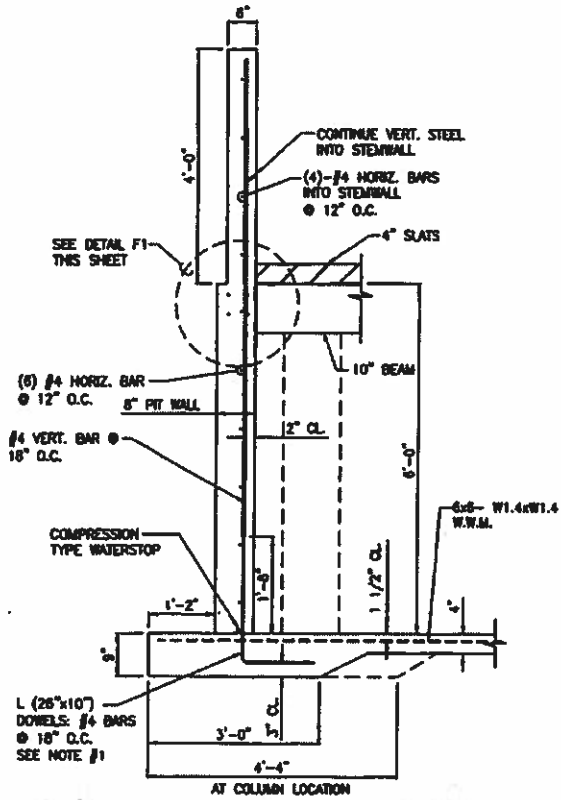
SECTION X-X
1'-0\"/>

THE CONTRACTOR/INSTALLER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE TO THE SCHEDULED JURISDICTION.

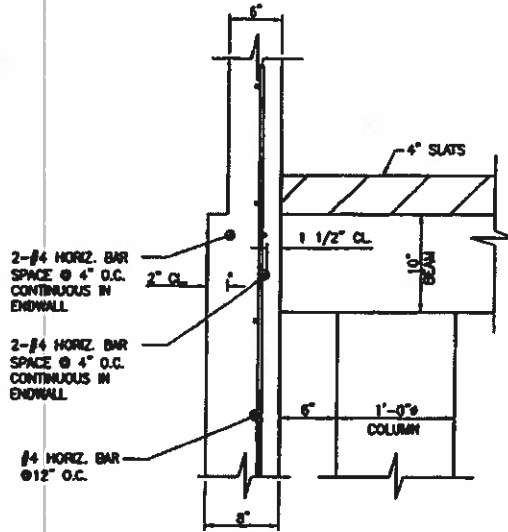
THE TOTAL, EXERCISE AND SCHEDULED COMMENCEMENT DATE OF THIS CONTRACT SHALL BE THE DATE OF THE FIRST PAYMENT TO THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE TO THE SCHEDULED JURISDICTION. EXPIRES 11-30-07

	SHEET NO. SECTION XX	PROJECT NO. SANDSTONE SOUTH, LLC	DATE 11/20/20	SCALE 1/8" = 1'-0"	DRAWN BY [Name]	CHECKED BY [Name]	APPROVED BY [Name]
	SANDSTONE SOUTH, LLC	SECTION XX	SANDSTONE SOUTH, LLC	11/20/20	[Name]	[Name]	[Name]

S:\2021\2020 Proj. 20200328 (Sand Stone South)\Drawings\Structure\CONCRETE DETAILS.dwg



SECTION E-E CONCRETE ENDWALL REINFORCEMENT DETAIL.
SCALE 1/2" = 1'-0"



DETAIL F1 CONCRETE ENDWALL BEAM REINFORCEMENT
SCALE 1/2" = 1'-0"

NOTES:

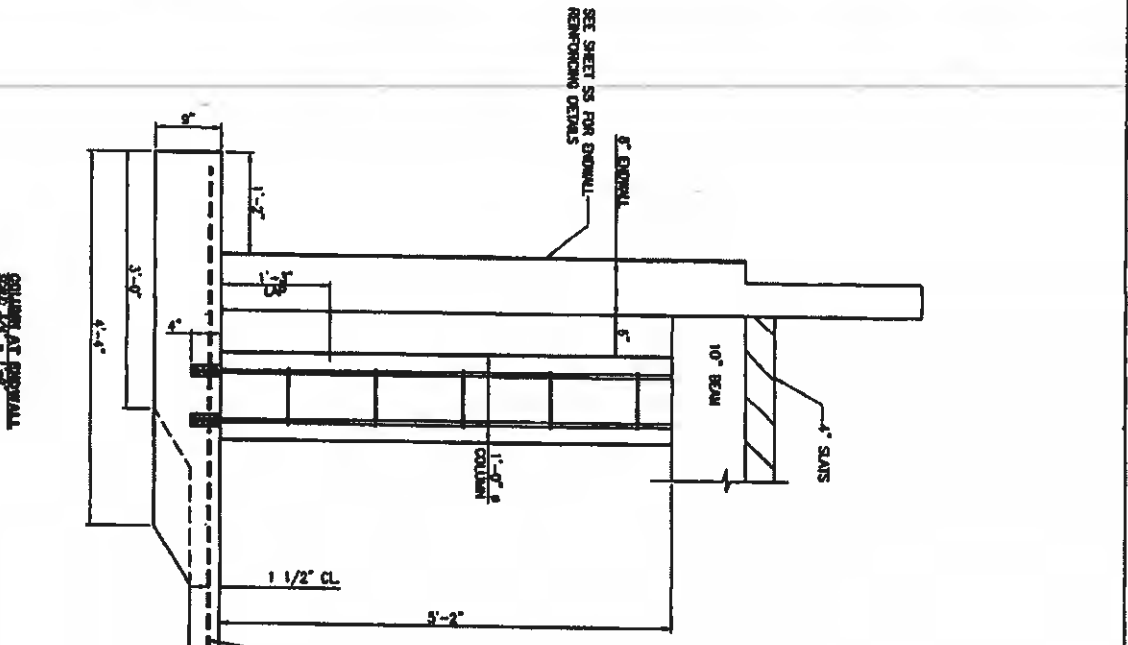
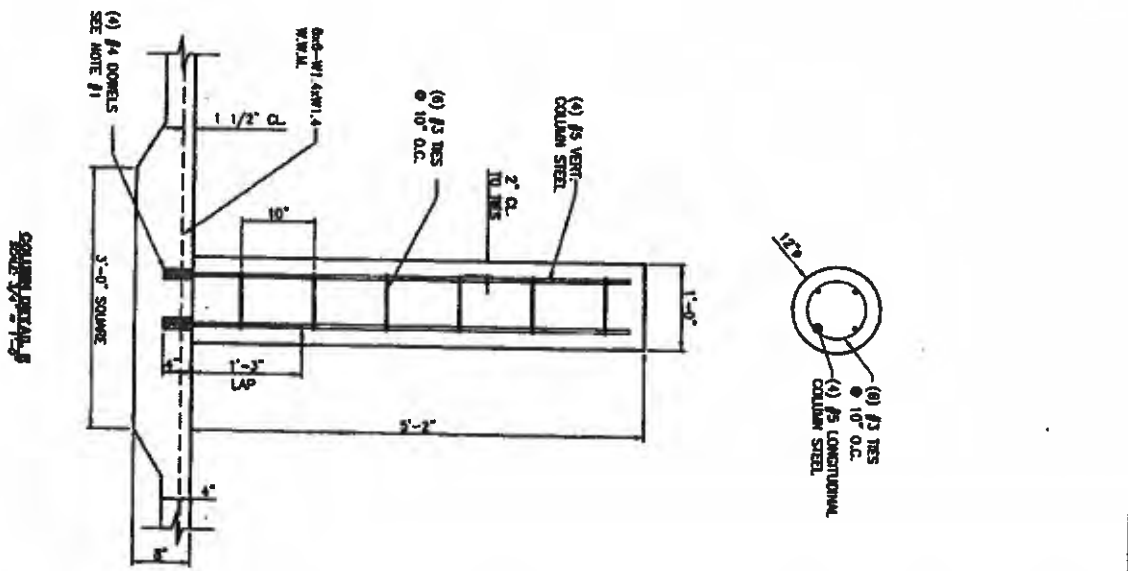
1. DOWELS: LAP AND TIE 20" OF DOWEL TO VERTICAL WALL STEEL AND USE #4 BARS AT 18" O.C.
- EXTEND DOWEL STEEL 6" VERTICALLY INTO FOOTING, THEN BEND 90° AND EXTEND 10" (6" PAST THE RADIUS OF THE BEND).
2. TANK MUST BE BACKFILLED TO WITHIN 2" OF TOP OF PIT WALLS PRIOR TO PUTTING LIQUID IN TANK. SET BEAMS AND SLATS BEFORE BACKFILLING.
3. BEAMS AND SLAT ENDS MUST BE BUTTED TOGETHER SHUG AND ANY GAPS GROUTED ($F_c=3500$ psi) TO PROVIDE SUPPORT TO THE TOP OF PIT WALLS.
4. ALL STEEL IS GRADE 60 REINFORCING BAR.
5. SEE SHEET S10 FOR CORNER BARS AND LAP SPLICE DETAILS.
6. MIN. BAR COVER IS:
1.5" FOR WALLS
3.0" FOR FOOTINGS
7. CONCRETE IS MIN.:
4000 PSI FOR WALLS, COLUMNS
3500 PSI FOR FOOTINGS AND SLABS
8. REFER TO WRITTEN SPECIFICATIONS FOR SOIL COMPACTION DENSITY.
9. DO NOT ALLOW HEAVY EQUIPMENT WITHIN 5' OF PIT WALLS, EXCEPT AT PUMPOUTS.

WE CONTRACTOR/BUILDER SHALL VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE DESIGNER IMMEDIATELY.

THE IDEAS, DESIGNS, AND DIMENSIONS REPRESENTED HERE ARE THE SOLE PROPERTY OF MAURER SUTZ INC. REPRODUCTION OR USE, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT AUTHORIZATION FROM MAURER SUTZ INC. IS PROHIBITED.
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PROFESSIONAL ENGINEER LICENSE #042-002180 PENNSYLV. 11-30-07

DATE	11/6/2020	BY	MAURER SUTZ INC.
SCALE	1/2" = 1'-0"	PROJECT	SANDSTONE SOUTH, LLC
NO.	13	DESCRIPTION	END WALL DETAILS
REVISION		DATE	
BY		APP'D	
DATE		DATE	
BY		APP'D	
DATE		DATE	
BY		APP'D	
DATE		DATE	
BY		APP'D	

R:\2307\2020 11-06-20 23080358 (Sand Stone South)\Drawings\Structure\CAD\SS COLUMN DETAILS.dwg



- NOTES:**
1. EXIST GROUT 4" OF DOME STEEL INTO FORMING. EXTEND 15" INTO COLUMN AND RE TO COLUMN STEEL.
 2. ALL STEEL IS GRADE 60 REINFORCING BARS.
 3. BAR COVER IS MIN: 2" FOR COLUMNS, 3" FOR FOOTINGS.
 4. CONCRETE IS MIN: 4000 PSI FOR WALLS AND COLUMNS, 3500 PSI FOR FOOTINGS AND SLABS.
 5. COLUMN HEIGHT IS 5'-2".

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AGENCIES.

SHEET NO. 13	DATE 11/11/20	DRAWN BY J.S.	CHECKED BY J.S.	PROJECT SANDSTONE SOUTH, LLC	DRAWING TITLE COLUMN DETAILS	SCALE AS SHOWN	DESIGNED BY J.S.	DATE 11/11/20	PROJECT NO. 23080358	SHEET NO. 13	TOTAL SHEETS 13

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 November 6, 2020, the attached **APPEARANCE** and **RECOMMENDATION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY**, upon the following persons by causing to be mailed a true copy thereof in an envelope duly addressed, bearing proper first class postage, and deposited in the United States mail at Springfield, Illinois:

Brian Bradshaw
44619 Co. HWY 2
Griggsville, IL 62340

Copies also Provided Electronically as Follows:

Illinois Department of Revenue
via email at REV.PropTaxApp@illinois.gov
101 West Jefferson
P.O. Box 19033
Springfield, Illinois 62794

[Electronic Filing]

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

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

/s/ Joshua Leopold
Assistant Counsel
Division of Legal Counsel
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276
217-558-1333

THIS FILING IS SUBMITTED ON RECYCLED PAPER