

**BEFORE THE ILLINOIS POLLUTION CONTROL BOARD**

|  |                       |
|--|-----------------------|
| <b>James McCune (M4 West Site)</b>     | )                     |
| <b>(Property Identification Number</b> | ) PCB 21-             |
| <b>0132300002)</b>                     | ) (Tax Certification) |
|  | )                     |

**NOTICE**

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


Jim McCabe  
4201 N. Columbus St.,  
Ottawa, IL 61350

**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: April 9, 2021

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**

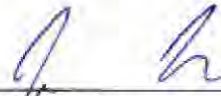
**BEFORE THE ILLINOIS POLLUTION CONTROL BOARD**

**James McCune (M4 West Site)** )  
**(Property Identification Number** ) **PCB 21-**  
**0132300002)** ) **(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:   
\_\_\_\_\_  
Joshua Leopold  
Assistant Counsel  
Division of Legal Counsel

DATED: April 9, 2021

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**

James McCune (M4 West Site). )  
(Property Identification Number ) PCB 21-  
0132300002) (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 August 13, 2020, the Illinois EPA received a request from James McCune. (log number TC-142991, 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: James McCune  
150 E. Thomas,  
Sheffield, IL 61361

The proposed water pollution control facilities in this request are located in the SW ¼ of Section 32, T18N, R6E of the 4th PM, in Bureau County the above street address and consist of the following:

The livestock waste handling facilities consisting of four (4) concrete manure pits (approximately 51 ft. x 190 ft. x 8 ft. as E1, E2, E3 and 51 ft. x 193 ft. x 10 ft. as P1), the concrete slatted portion of the floor over the manure pits that capture and contain waste generated in the barns above, and ten (10) pumpout pits (approximately 6 ft. x 6 ft. each) to allow manure removal from the manure pits.

This 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: April 9, 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: Mike Roubitchek, Division of Legal Counsel

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

Date: **OCT 21 2020**

Re: James McCune (M4 West Site) - Sheffield  
Recommendation of Tax Certification  
Log# TC-142991  
Property Index# 0132300002

The Bureau of Water received a request on August 13, 2020 from James McCune for an Illinois EPA recommendation regarding the tax certification of water pollution control facilities pursuant to 35 Ill. Adm. Code 125.204. We offer the following recommendation.

The water pollution control facilities in this request include the following:

James McCune (M4 West Site)  
150 E. Thomas  
Sheffield, IL 61361

SW ¼ of Section 32, T18N, R6E of the 4<sup>th</sup> PM in Bureau County

The livestock waste handling facilities consisting of four (4) concrete manure pits (approximately 51 ft. x 190 ft. x 8 ft. as E1, E2, E3 and 51 ft. x 193 ft. x 10 ft. as P1), the concrete slatted portion of the floor over the manure pits that capture and contain waste generated in the barns above, and ten (10) pumpout pits (approximately 6 ft. x 6 ft. each) to allow manure removal from the manure pits. The facility collects, transports and stores livestock waste prior to cropland application.

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

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

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

DEL:WH:Tax Cert Recommendation.docx

cc: Tax Cert File

## Watershed Unit Tax Certification Review Sheet

Project Name: James McCune

Date: September 15, 2020

Reviewer: WH

Type:  Agchem  
 Livestock

Log number: TC-142991

Applicant: Jim McCabe  
4201 N. Columbus St.  
Ottawa, IL 61350

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

Phone: 309-693-7615

Facility: James McCune - M4 West Site  
150 E. Thomas  
Sheffield, IL 61361

Property Index#: 0132300002

Parcel#:

Legal Description:  
SW of Section: 32 Twp: 18N R: 6E PM: 4<sup>th</sup>

County: Bureau

Signature: James McCune

Date Control Devices installed: December 2014

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 four (4) concrete manure pits (approximately 51 ft. x 190 ft. x 8 ft. and 51 ft. x 193 ft. x 10 ft.) and the concrete slatted portion of the floor over the manure pit that capture and contain waste generated in the barn above. The concrete manure pits have ten (10) pumpout pits (approximately 6 ft. x 6 ft. x 10 ft. each) to allow manure removal from the pits. The facility collects, transports and stores livestock waste prior to cropland application.

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

Four (4) concrete manure pits (approximately 51 ft. x 190 ft. x 8 ft. and 51 ft. x 193 ft. x 10 ft.);

Concrete slatted floor at the pits;

Pumpout pits attached to the manure pit, 10' x 6 ft. x 6 ft.

Plan view drawings of the pits and a process flow diagram were submitted with the application.

Recommended Action: Issue tax certification.

**Han, Wei**

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**From:** Han, Wei  
**Sent:** Tuesday, August 25, 2020 4:32 PM  
**To:** Daniel N. Feucht  
**Cc:** James McCabe; Terry L. Feldmann  
**Subject:** RE: McCune PCF Applications

Mr. Feucht,

The Agency has received and reviewed the attached applications. The following information is considered missing and needed for the Agency to complete the review.

1. Physical addresses for facilities listed below:

- TC-142988 James McCune - Anderson 2
- TC-142989 James McCune - Mom's Trust Farm
- TC-142990 James McCune - Boar Power
- TC-142992 James McCune - M4 East Site
- TC-142993 James McCune - M7 Pond Farm
- TC-142994 James McCune - M3 Farm

2. TC-142988 James McCune - Anderson 2: No Manure diagram provided for structure E4. The diagram for E4 is labeled for E1, E2, & E3. Revise this diagram.
3. TC-142994 James McCune - M3 Farm: The construction material of slurry tank E4, and the diameter of the 20" PVC forcemain from lift station E5.

If you have question regarding the above, please contact me.

Wei Han, P.E.  
Illinois Environmental Protection Agency  
BOW/DWPC/Permit Section  
1021 North Grand Avenue E.  
P.O. Box 19276  
Springfield, IL 62794-9276

Phone: 217-524-3034  
Email: [Wei.Han@Illinois.gov](mailto:Wei.Han@Illinois.gov)

---

**From:** Daniel N. Feucht <[dnfeucht@mstutz.com](mailto:dnfeucht@mstutz.com)>  
**Sent:** Thursday, August 13, 2020 10:55 AM  
**To:** LeCrone, Darin <[Darin.LeCrone@Illinois.gov](mailto:Darin.LeCrone@Illinois.gov)>  
**Cc:** Han, Wei <[Wei.Han@Illinois.gov](mailto:Wei.Han@Illinois.gov)>; James McCabe <[jmccabe@ivbfm.org](mailto:jmccabe@ivbfm.org)>; Terry L. Feldmann <[tlfeldmann@mstutz.com](mailto:tlfeldmann@mstutz.com)>  
**Subject:** [External] McCune PCF Applications

Darin,

Please find attached seven (7) Pollution Control Facility (Property Tax Treatment) applications for swine finishing sites owned by James McCune in Bureau County.



# Illinois Environmental Protection Agency

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

## Application for Certification (Property Tax Treatment) Pollution Control Facility

### FOR AGENCY USE ONLY

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

Facility Type (check one):  Air  Water

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

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

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

**RECEIVED**  
AUG 14 2020

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

IEPA  
BOW/WPC/PERMIT SECTION

### I. Applicant Information:

|   |  |
|---|--|
| Company Name: <u>James McCune</u>                             | Person to Contact: _____                             |
| Person Authorized to Receive Certification: <u>Jim McCabe</u> | for Additional Details: <u>Terry L. Feldmann, PE</u> |
| Street Address: <u>4201 N. Columbus St.</u>                   | Street Address: <u>3118 N. Dries Lane, Suite 100</u> |
| City: <u>Ottawa</u> State: <u>IL</u>                          | City: <u>Peoria</u> State: <u>IL</u>                 |
| Zip: <u>61350</u> Phone: <u>815-433-1635</u>                  | Zip: <u>61604</u> Phone: <u>309-693-7615</u>         |
| Email Address: <u>jmccabe@jyfbfm.org</u>                      | Email Address: <u>tfeldmann@mstutz.com</u>           |

### II. Facility Information:

Facility Location: Quarter Section: SW-32 Township: 18N Range: 6E  
Municipality: \_\_\_\_\_ Township: Fairfield

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

Address: 150 E Thomas City: Sheffield  
State: IL Zip Code: 61361 County: Bureau Book Number: \_\_\_\_\_  
Property Index Number: 0132300002

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

### Manufacturing Operations Information:

Nature of Operations Conducted at the Above Location:

NA

### Permit Information:

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| WPC Construction Permit Number: _____ | Date Issued: _____                  |
| NPDES Permit Number: _____            | 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:

NA

**Materials Used in the Process:**

NA

**Pollution Control Facility Information:**

Please provide a narrative description of the pollution control facility (or low sulfur dioxide emission coal fueled device), and an explanation of why its primary purpose is to eliminate, prevent or reduce pollution. State the type of control facility, as well as a narrative description and a process flow diagram describing the pollution control facility. Include an average analysis of the influent and effluent of the control facility stating the collection efficiency, if applicable.

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

See Attachment 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 1, 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: 12-31-2014

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 5/4-1(h))*

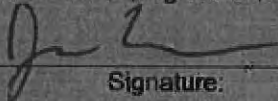
James McCune

Owner

Printed Name:

Title:

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



Signature:

8-13-2020

Date:

**Application for Certification (Property Tax Treatment) Pollution Control Facility  
James McCune – M4 (Virgils) West Site  
By: Maurer-Stutz, Inc**

**ATTACHMENT 1: Facility Pollution Control Facility Description**

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

|    |                           |  |
|----|---------------------------|--|
| E1 | 51'-2" x 190'-0" x 8'-0"  | Deep pit below slats<br>concrete storage pit |
| E2 | 51'-2" x 190'-0" x 8'-0"  | Deep pit below slats<br>concrete storage pit |
| E3 | 51'-2" x 190'-0" x 8'-0"  | Deep pit below slats<br>concrete storage pit |
| P1 | 51'-2" x 193'-4" x 10'-0" | Deep pit below slats<br>concrete storage pit |

The buildings identified as E1, E2, and E3 on the plans are of equal size and dimension. The buildings have an 8ft deep pit that consists of a 5" 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 8" thick and 24" wide. Columns within the pit are 12" in diameter, 7'-2" tall and supported by 40"x40" 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 8" inches thick. The recessed sump area is 3'-10"x 5'-4" x 11" deep. Each barn has 2 pumpout pits that collect manure and allow manure transfer through a hose to be pumped for field application.

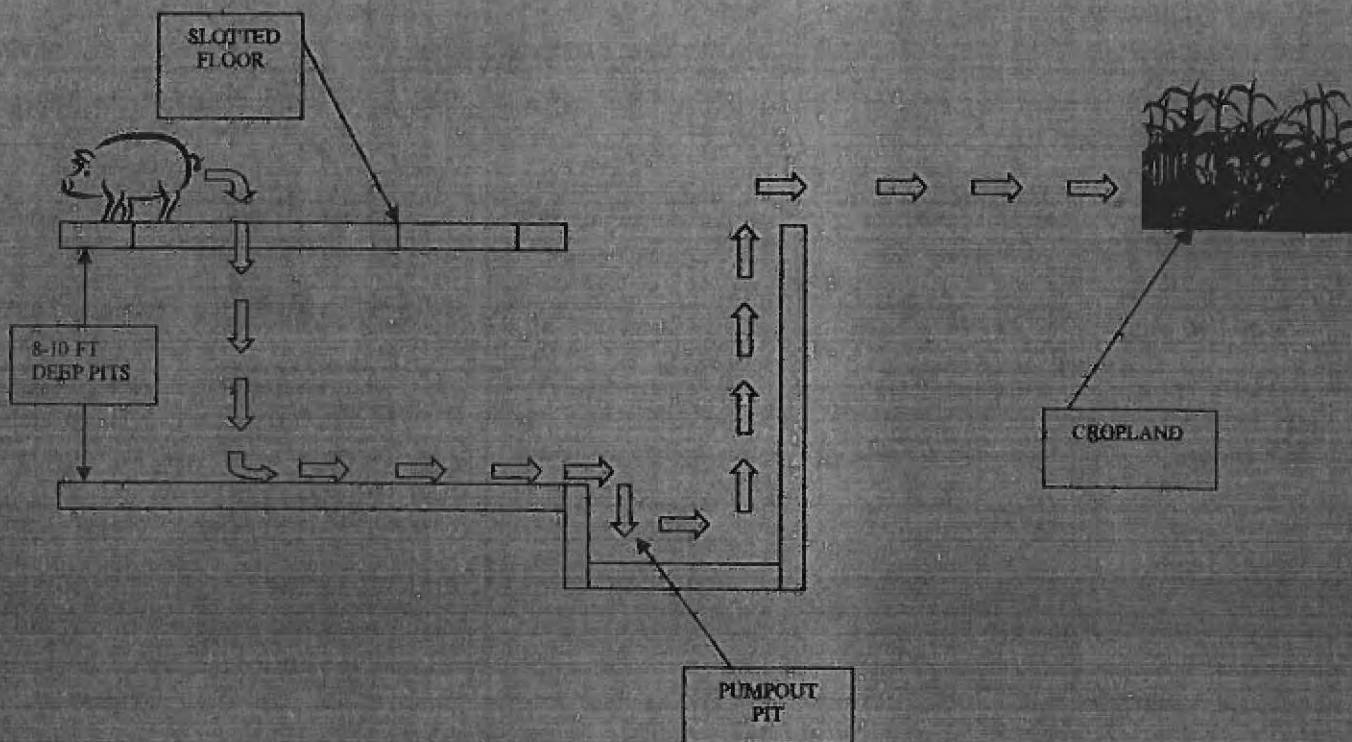
The building identified as P1 on the plans has a 10ft deep pit that consists of a 4" thick base slab and 8" thick pit walls. Precast concrete slotted floors enable excreta and wastewater to fall through and accumulate in the below floor pits. The walls have footings that are 9" thick and 24-30" wide. Columns within the pit are 12" in diameter, 9'-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. The barn has 4 pumpout pits that collect manure and allow manure transfer through a hose to be pumped for field application.

The facility protects ground and surface water by providing collection and storage of livestock waste for greater than 12 months. The waste will be applied agronomically to cropland under proper soil and weather conditions.



Application for Certification (Property Tax Treatment) Pollution Control Facility  
James McCune – M4 (Virgils) West Site  
By: Maurer-Stutz, Inc

**MANURE DIAGRAM**



**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 in 2004. Additional barns expanding the facility were constructed in 2008 and 2014, with the last constructed being placed into service in 2015.

**ATTACHMENT 4: Status of Installation**

Facilities described in Attachment 1 are fully constructed and in service as of January 1, 2015.

**James McCune - M4 West Site**



  
**MAURER-STUTZ**  
ENGINEERS SURVEYORS  
Map Provided By  
 **surety**  
© AgiData, Inc. 2019 [www.AgiDataInc.com](http://www.AgiDataInc.com)

Map Center: 41.498687, -89.831127



**32-18N-6E**  
**Bureau County**  
**Illinois**



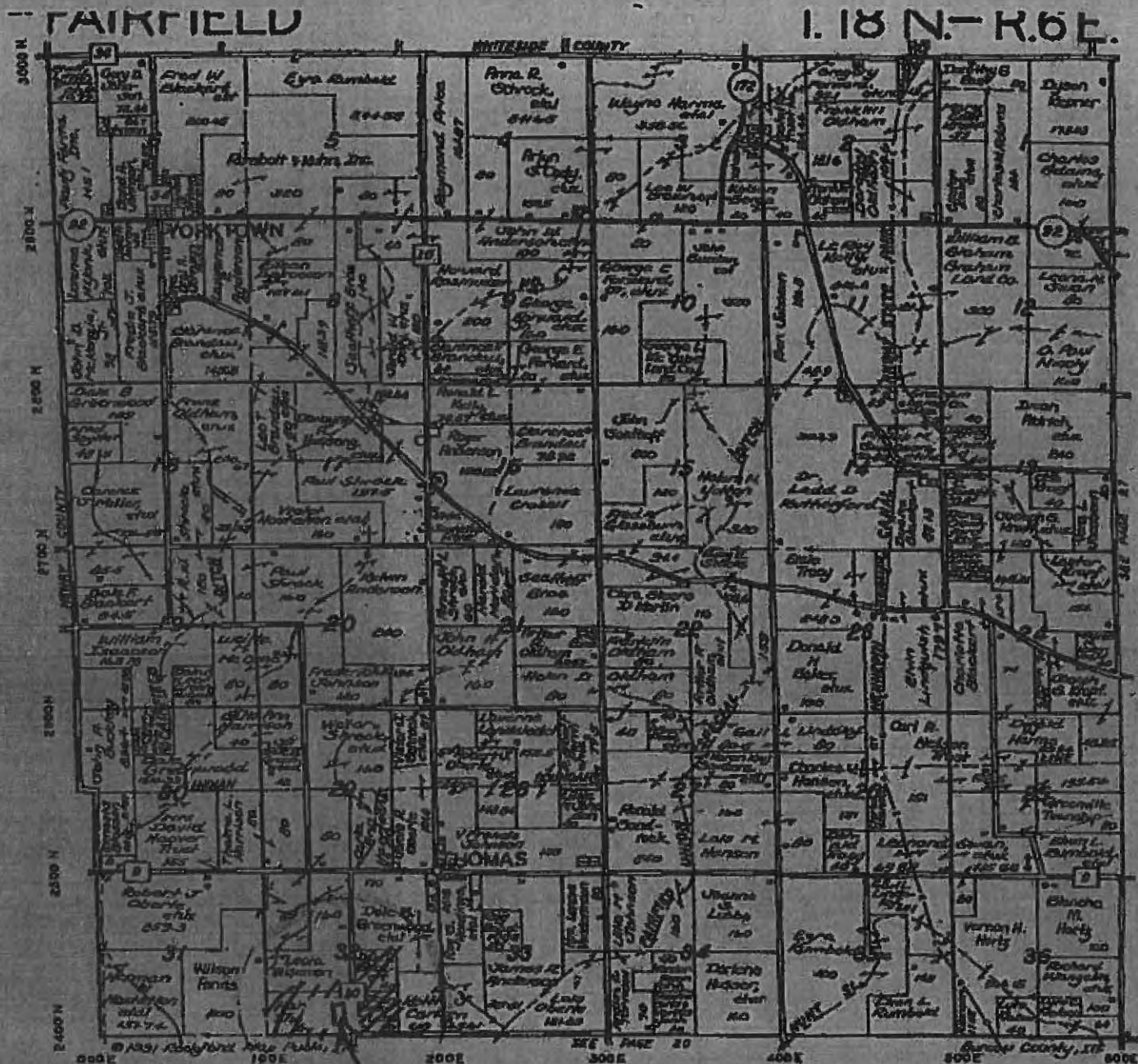
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WCCUNE

001



**TAMPICO NATIONAL BANK**

PHONE: 438-6365

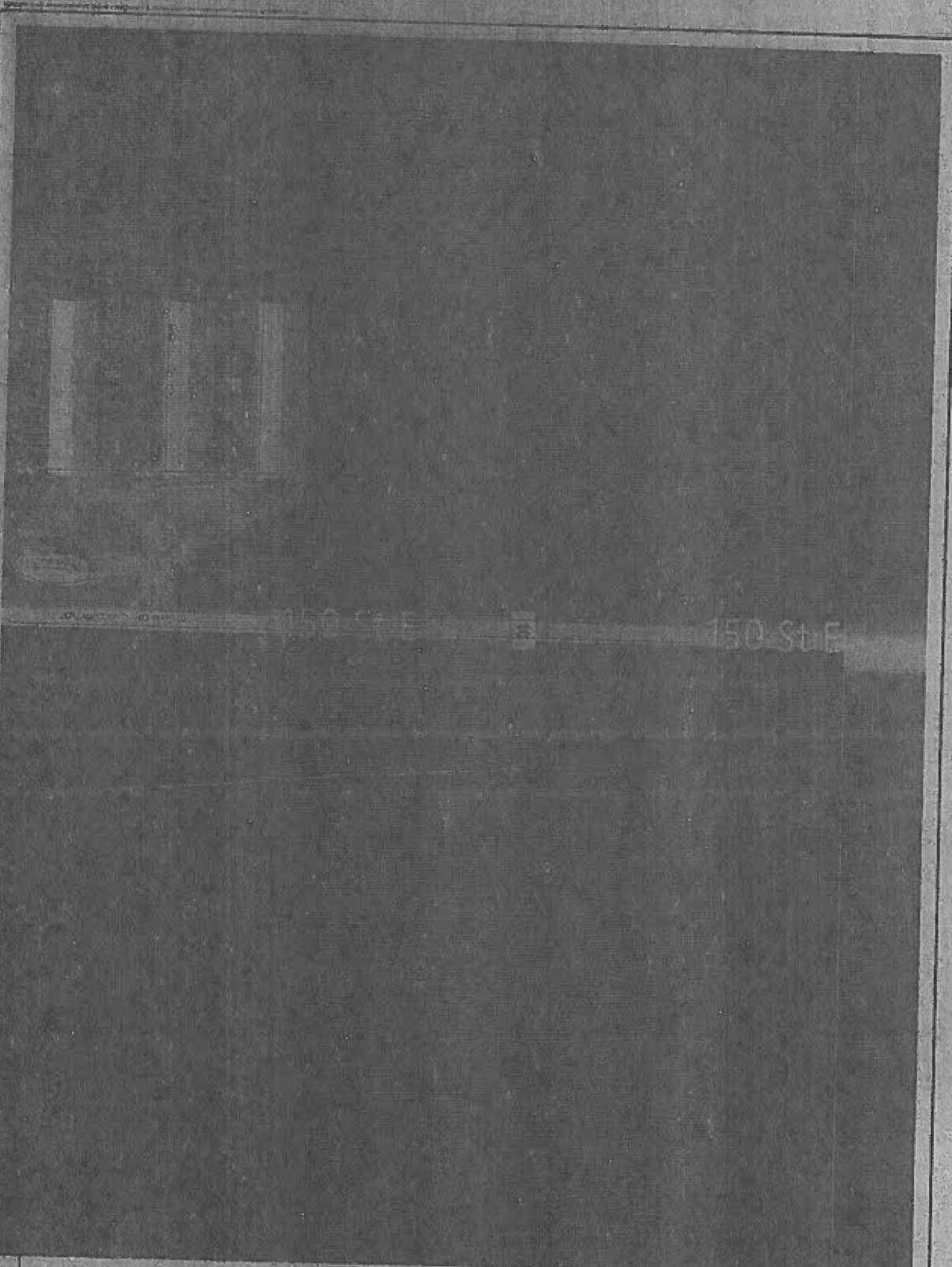


**TAMPICO**

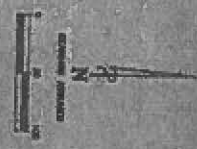




**ILLINOIS**



5000' NORTH QUARTER  
SECTION 27  
T20N - R7E - S44E



BOYD/CHEMURT SECTION  
150'

**RECEIVED**  
AUG 14 2020

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| OWNER        |  |
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JAMES McCUNE

SITE PLAN

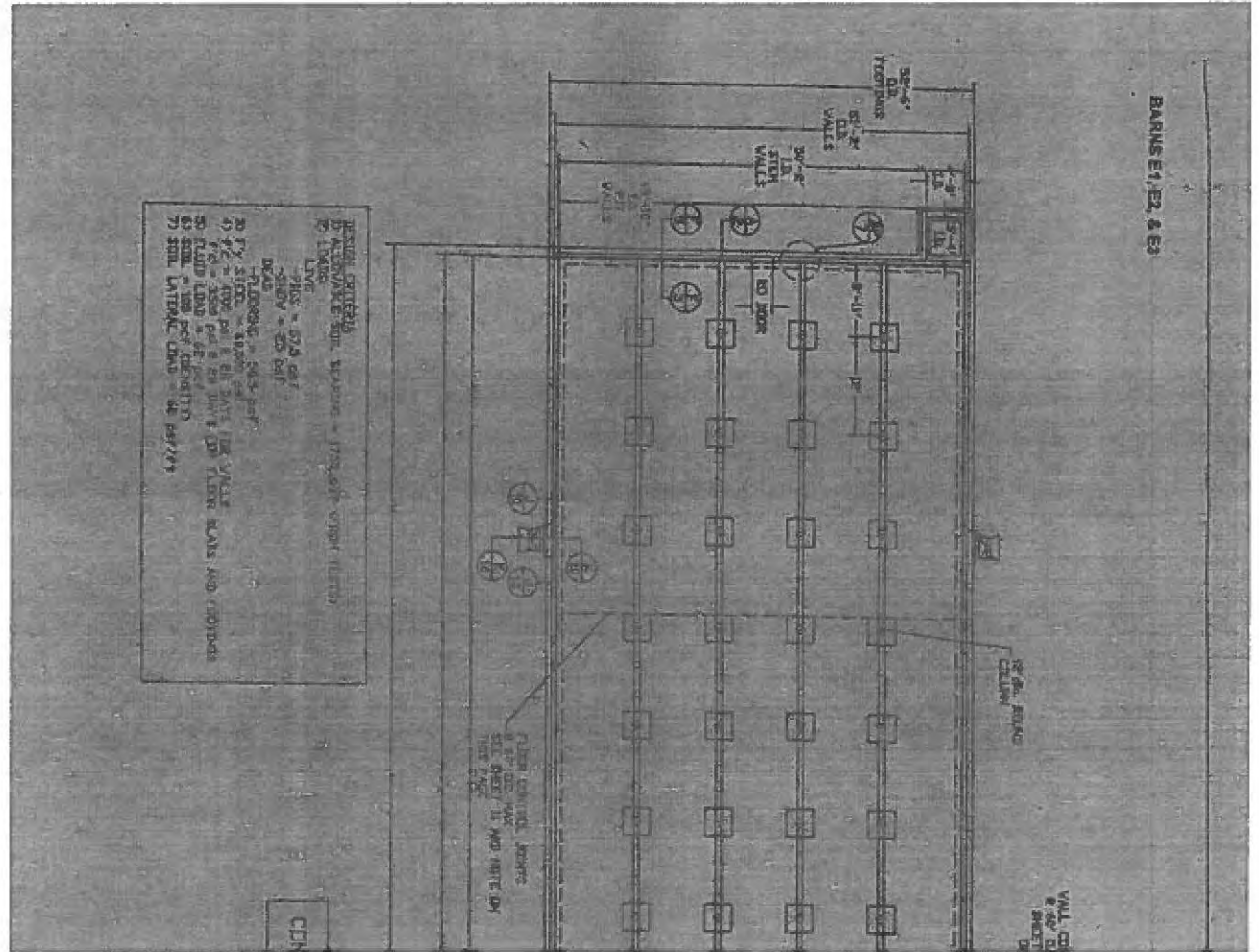
MAKING LETTER HEADS AVAILABLE

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ENGINEERS

1000 WEST 10TH AVENUE  
DENVER, CO 80202  
303.733.1111  
www.haurer-stutz.com

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| CHECKED      |  |
| DATE         |  |
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| OWNER        |  |
| DESIGNER     |  |
| DATE         |  |





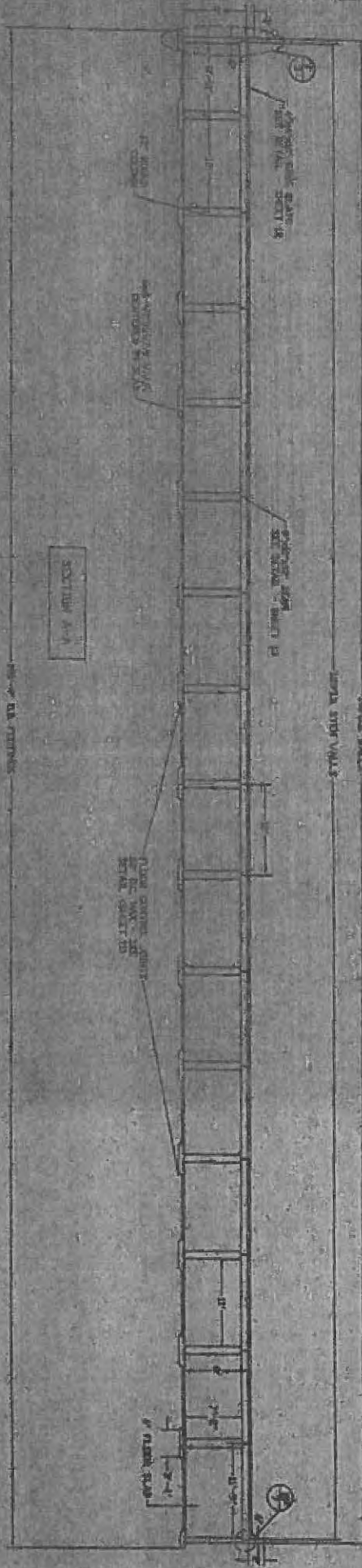
BARN E1, E2, & E3

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DESIGN CRITERIA  
MINIMUM 1/2" DIA. WOODEN - 1750 LBS. WEIGHT (LBS)  
LVL  
THICK = 5/8" DIA  
SHEAR = 20 LBS  
WOOD  
FLOORING = 5/8" DIA  
1) 1/2" DIA. WOODEN  
2) 1/2" DIA. WOODEN  
3) 1/2" DIA. WOODEN  
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7) 1/2" DIA. WOODEN

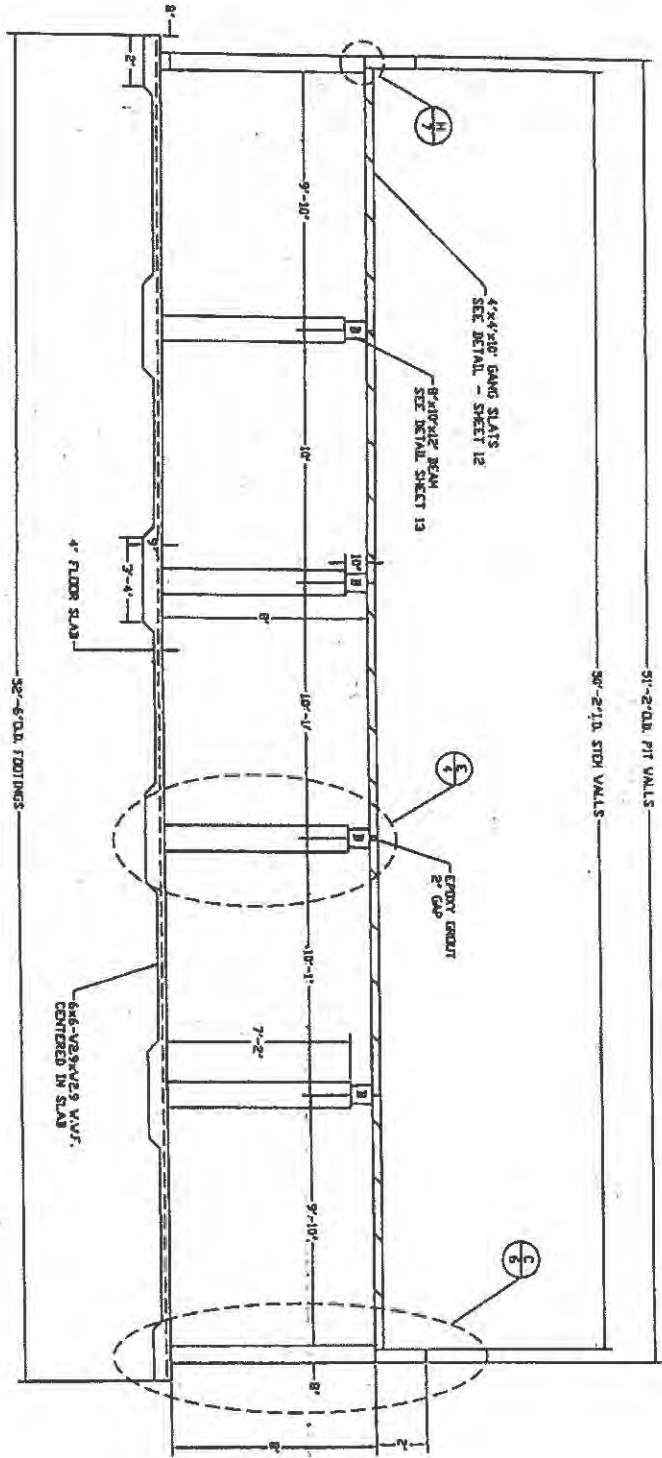
Other structural members  
to be shown on separate sheet  
see sheet 11 and 11B for  
1/2" DIA.

CDN



**W. W. HALLER**  
ARCHITECT  
1015 W. 10TH AVENUE  
DENVER, CO 80202  
TELEPHONE: 733-1111  
FAX: 733-1111

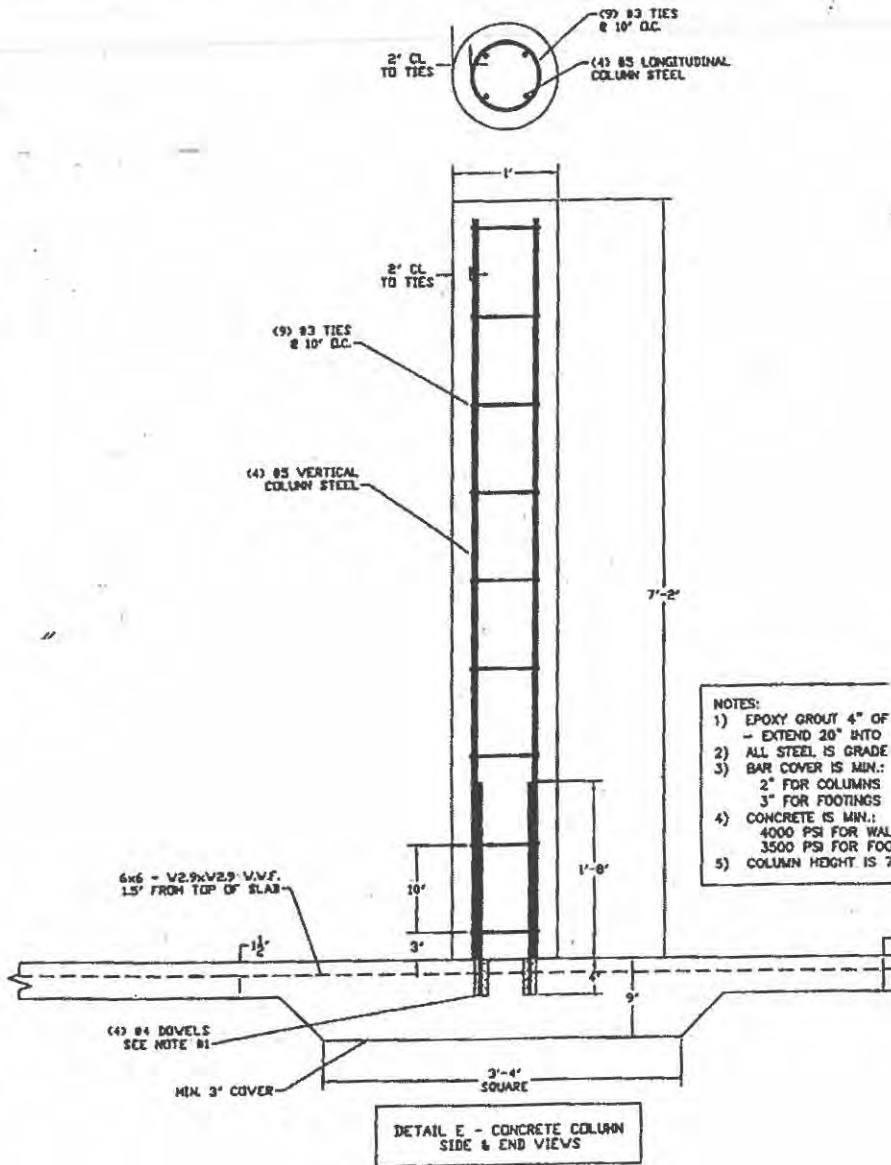
**THE BOARD, ARCHITECTS, ENGINEERS AND SURVEYORS REGISTRATION BOARD HAS BEEN ADVISED BY THE PROFESSIONAL BOARD OF ARCHITECTS THAT THE ABOVE NAMED ARCHITECT HAS BEEN LICENSED TO PRACTICE ARCHITECTURE IN THE STATE OF COLORADO SINCE FEBRUARY 1, 2021.**



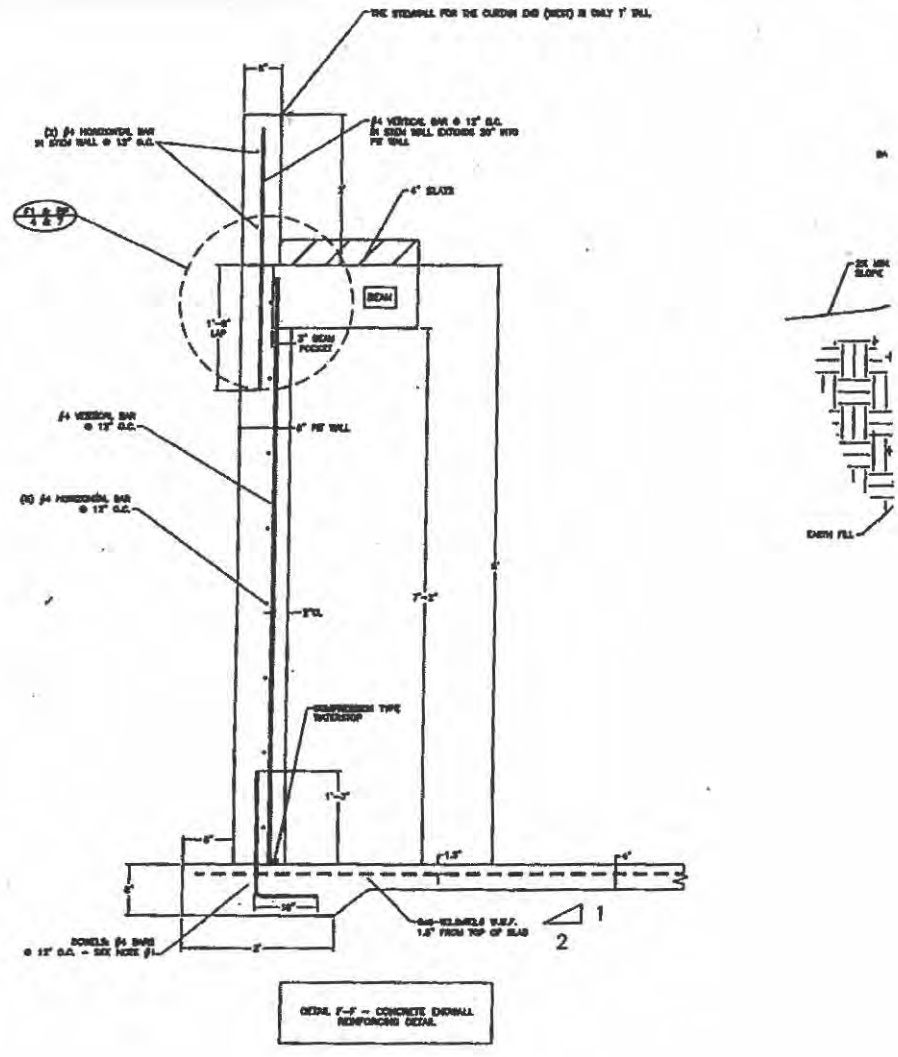
SECTION X-X

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|   |  |
|---|--|
|   |  |
| JAMES LOCKING<br>ARCHITECT & ENGINEER<br>1195<br>1115 N. W. 10th St.<br>Ft. Lauderdale, FL 33304<br>SECTION X-X | PROJECT NO. 2021-093<br>DATE: 04/09/2021<br>DRAWING NO. 1001<br>SHEET NO. 1001 |

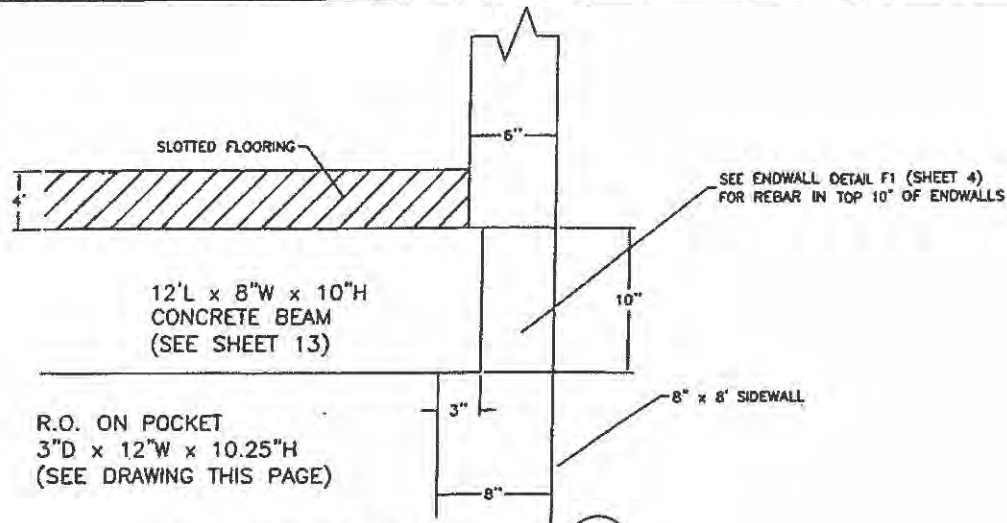




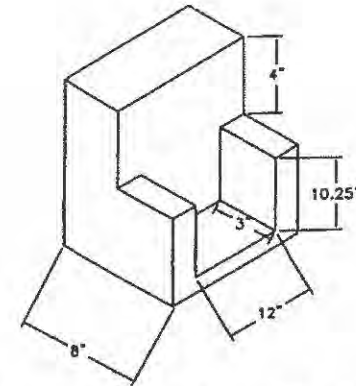




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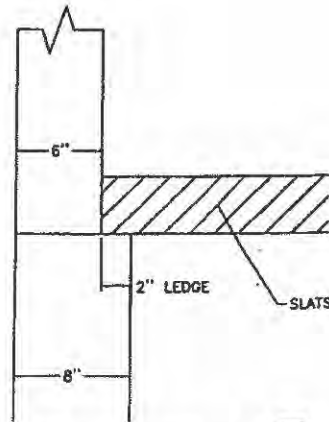
BEAM POCKET DETAIL (BP)  
NOT TO SCALE



R.O. BEAM POCKET DETAIL  
NOT TO SCALE

R.O. ON POCKET  
3\"/>

- NOTES:
- 1) FORM BEAM POCKETS INTO ENDWALLS -- SEE SECTION X-X (SHEET 3) FOR SPACING
  - 2) FOR REBAR DETAILS SEE DETAIL F1 (SHEET 4)
  - 3) BEAMS AND SLAT ENDS MUST BE BUTTED TOGETHER SNUG AND ANY GAPS GROUTED TO PROVIDE SUPPORT TO THE TOP OF THE PIT WALLS
  - 4) GROUT BEAMS TO ENDWALL POCKETS

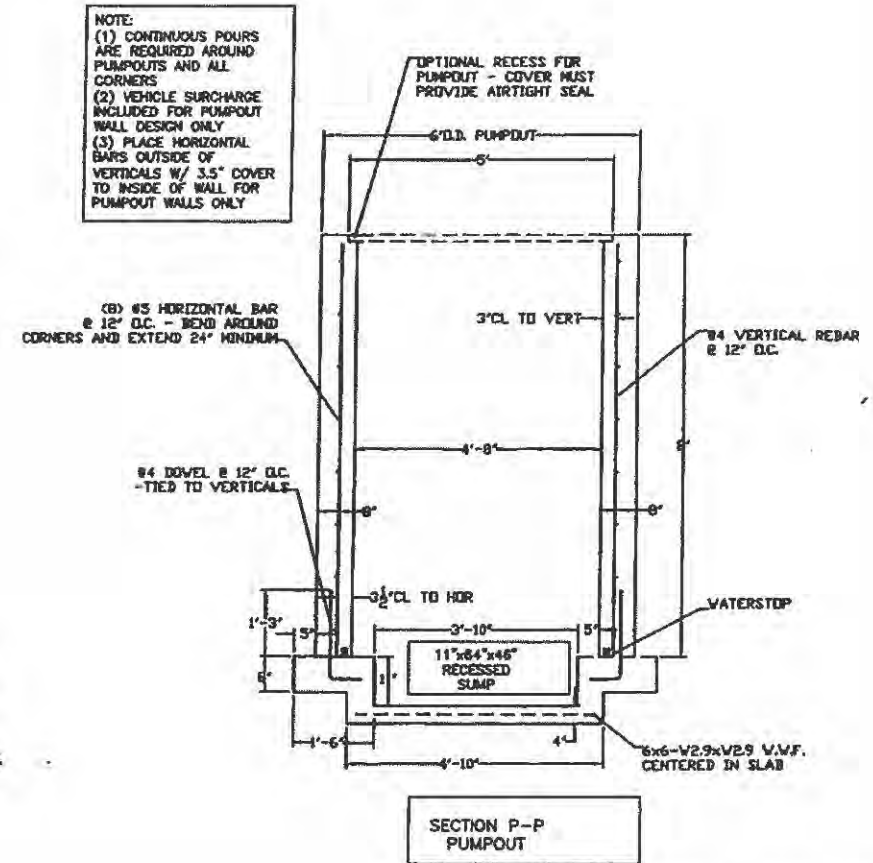
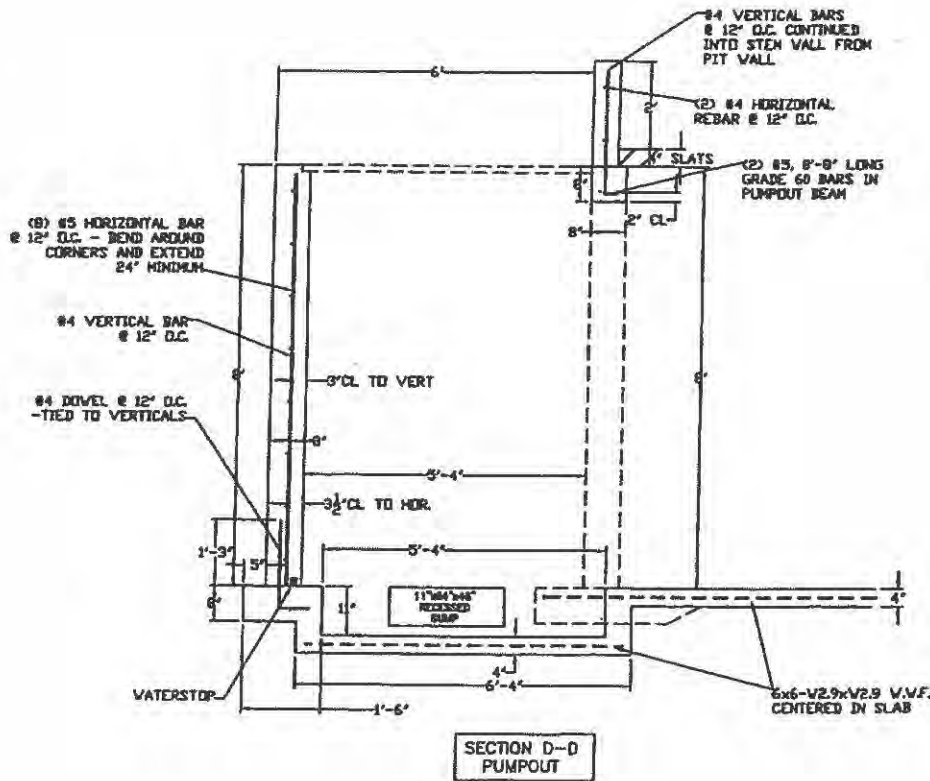


SLAT LEDGE DETAIL (H)  
NOT TO SCALE

|  |                 |                 |                 |
|--|-----------------|-----------------|-----------------|
| <b>FELDMANN &amp; ASSOCIATES</b>                   |                 |                 |                 |
| Architectural, Structural and Mechanical Engineers |                 |                 |                 |
| 1110 BLISSIE, STE. E, SPRING BAY, N. 01511         |                 |                 |                 |
| PHONE: 508-222-2828 FAX: 508-222-7474              |                 |                 |                 |
| <b>CONCRETE DETAILS BP &amp; H</b>                 |                 |                 |                 |
| DATE   | DESIGNER        | CHECKER         | FINISHER        |
| 11/10/03   | DAVID M. MCNEIL | DAVID M. MCNEIL | DAVID M. MCNEIL |
| PROJECT NO.  | DATE            | PROJECT NO.     | DATE            |
| 03111  | 11/10/03        | 03111           | 11/10/03        |
| DATE   | TIME            | DATE            | TIME            |
| 11/10/03   | 10:00 AM        | 11/10/03        | 10:00 AM        |

THE CONTRACTOR/OWNER SHALL VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE DESIGNER IMMEDIATELY. Designer: (including the options presented are for general use only and all conditions and conditions from these drawings shall be observed before any construction, and from that date, liability of the owner, Feldmann & Associates and its architect, shall not be held. -- DO NOT SCALE DRAWINGS --

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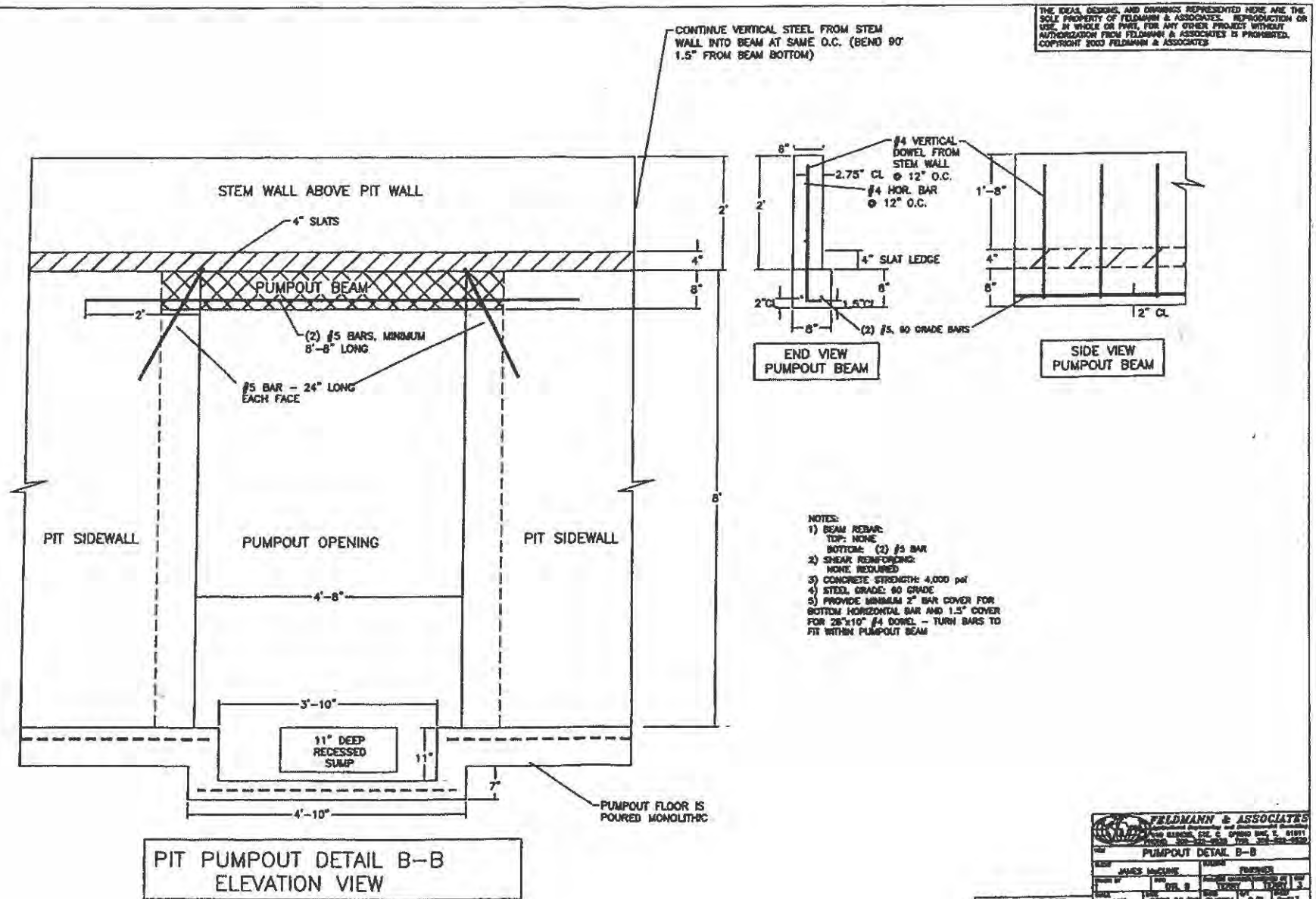


NOTE:  
 (1) CONTINUOUS POURS ARE REQUIRED AROUND PUMPOUTS AND ALL CORNERS  
 (2) VEHICLE SURCHARGE INCLUDED FOR PUMPOUT WALL DESIGN ONLY  
 (3) PLACE HORIZONTAL BARS OUTSIDE OF VERTICALS W/ 3.5" COVER TO INSIDE OF WALL FOR PUMPOUT WALLS ONLY

|  |          |         |                      |
|--|----------|---------|----------------------|
| <b>FELDMANN &amp; ASSOCIATES</b><br>Professional Engineering and Architectural Service |          |         |                      |
| 1470 ELKMAN, SEC. 5, SPRING VALLEY, N. 57411   |          |         |                      |
| TEL: 708-252-0800 FAX: 708-252-0801  |          |         |                      |
| PIT PUMPOUT - DTLS D-D & P-P   |          |         |                      |
| DATE   | DESIGNED | CHECKED | FORWARDER            |
| JAMES MCCUNE   |          |         |                      |
| REV  | BY       | DATE    | REASON               |
| 01   | DR. DAP  | 7/27/03 | ISSUE FOR PERMITS    |
| 02   | DR. DAP  | 8/14/03 | REVISED PER COMMENTS |
| 03   | DR. DAP  | 9/10/03 | REVISED PER COMMENTS |
| NOTE: REPT 03/03 SHOWN 9/10/03   |          |         |                      |

THE CONTRACTOR/OWNER SHALL VERIFY ALL DIMENSIONS AND VERIFY ANY DISCREPANCIES TO THE DESIGNER IMMEDIATELY. Under no conditions the orders provided are for specific quantities and quantities are subject to change, and approved before starting work. Do not scale drawings.





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- NOTES:
- 1) BEAM REBAR:  
TOP: NONE  
BOTTOM: (2) #5 BAR
  - 2) SHEAR REINFORCING:  
NONE REQUIRED
  - 3) CONCRETE STRENGTH: 4,000 psi
  - 4) STEEL GRADE: 60 GRADE
  - 5) PROVIDE MINIMUM 2" BAR COVER FOR BOTTOM HORIZONTAL BAR AND 1.5" COVER FOR 25"x10" #4 DOWEL - TURN BARS TO FIT WITHIN PUMPOUT BEAM

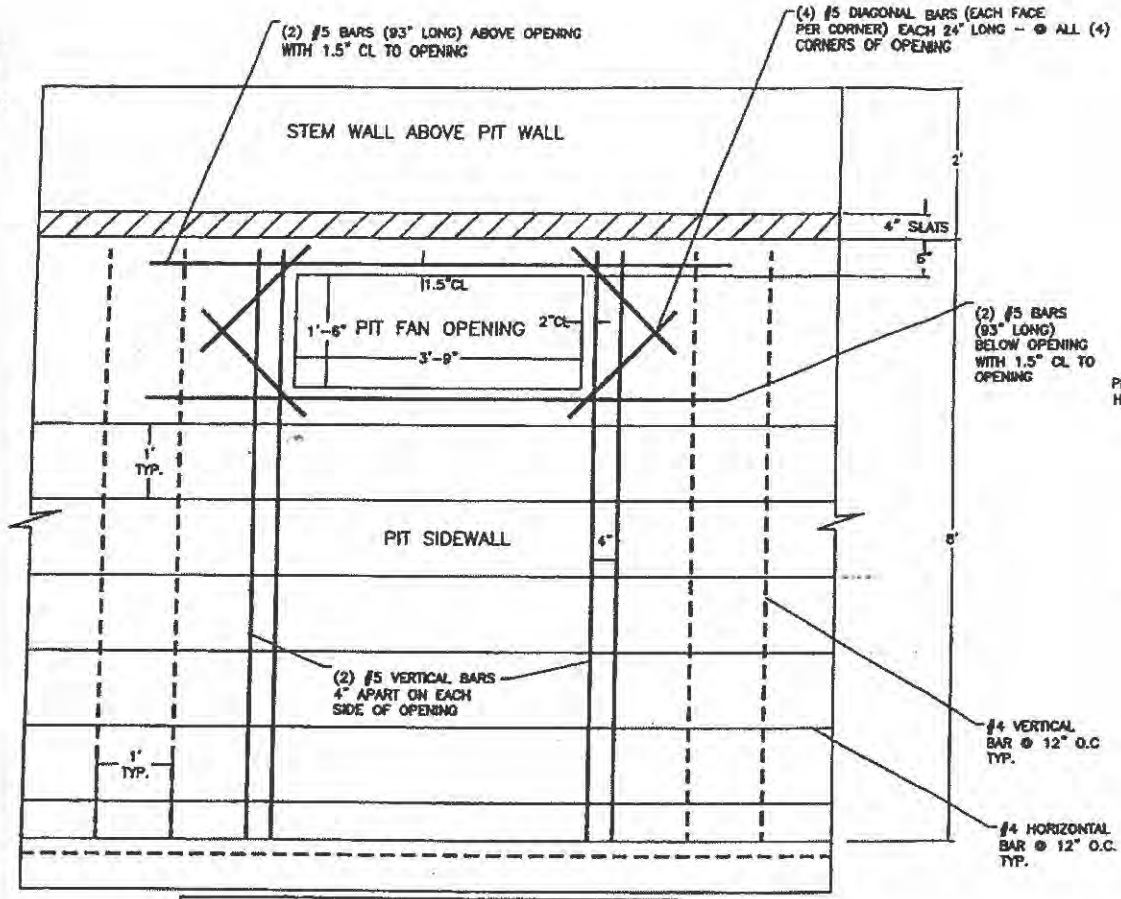
**FELDMANN & ASSOCIATES**  
 1000 BROADWAY, SUITE 200, NEW YORK, NY 10018  
 TEL: 212-512-1000 FAX: 212-512-1001

**PUMPOUT DETAIL B-B**

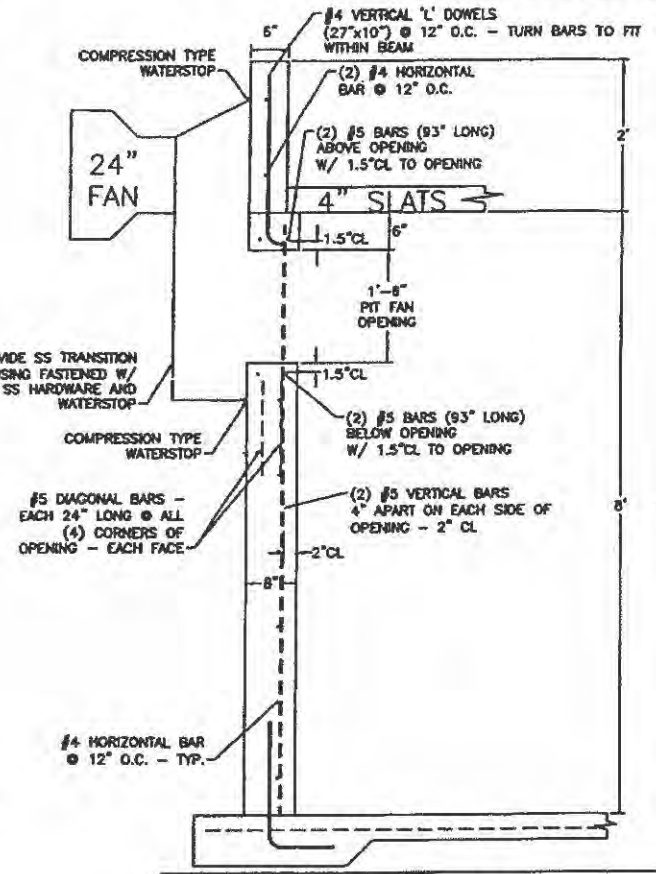
|      |     |               |          |
|------|-----|---------------|----------|
| DATE | NO. | BY            | CHECKED  |
| 1/15 | 1   | JAMES MCGUIRE | FORNBERG |
| 1/15 | 2   | WELB          | TRACY    |
| 1/15 | 3   | SEPT 03/03    | BYRON    |
|      |     |               | D/O      |

THE CONTRACTOR/OWNER SHALL VERIFY ALL DIMENSIONS AND REBAR ANY DISCREPANCIES TO THE DESIGNER IMMEDIATELY. DO NOT SCALE DRAWING.

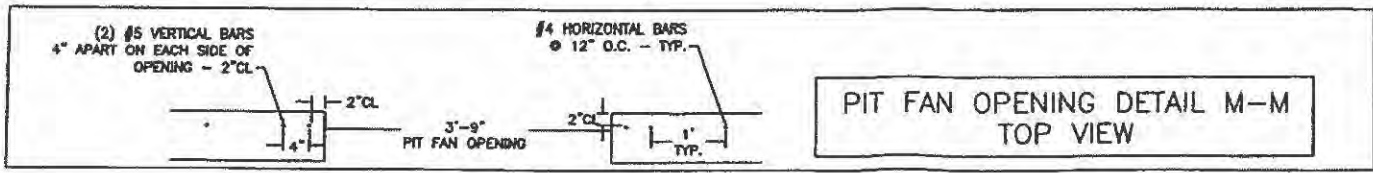
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PIT FAN OPENING DETAIL J-J  
ELEVATION VIEW



PIT FAN OPENING DETAIL K-K  
SIDE VIEW



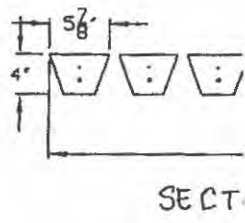
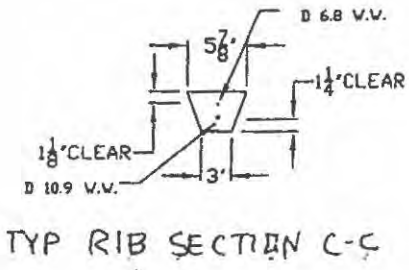
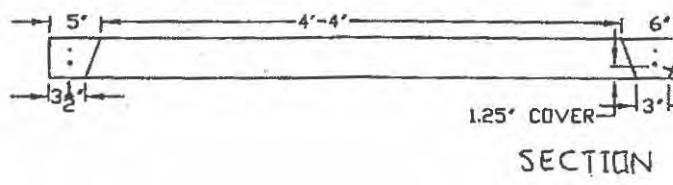
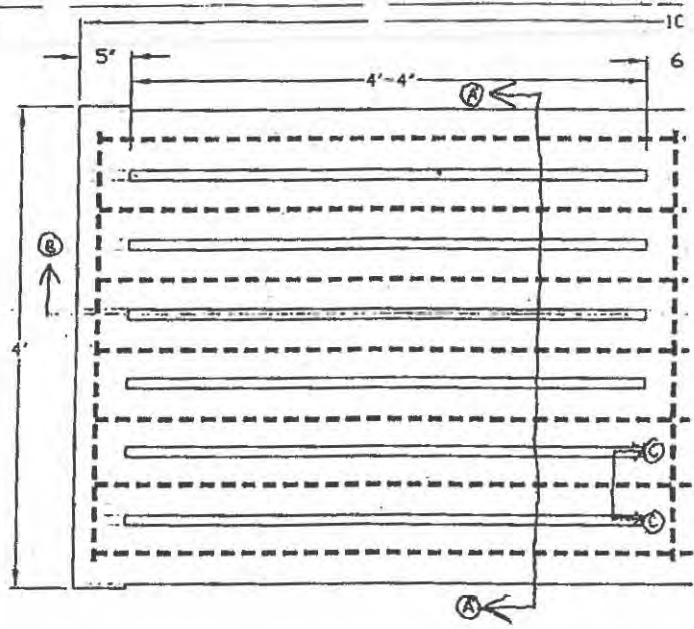
PIT FAN OPENING DETAIL M-M  
TOP VIEW

**FELDMANN & ASSOCIATES**  
 210 E. 10th St., Suite 200, Des Moines, IA 50319  
 515-281-1111  
 www.feldmann.com

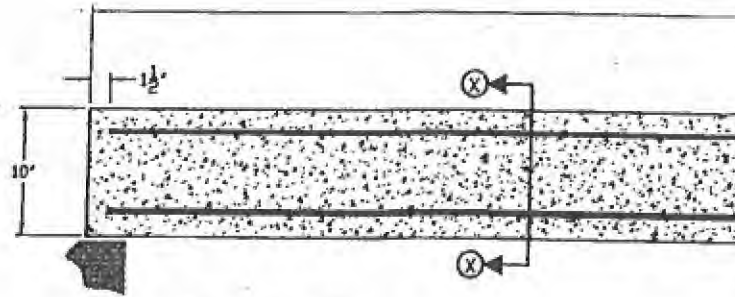
|          |                              |
|----------|------------------------------|
| PROJECT  | PIT FAN OPENING - DTLS J & K |
| DATE     | NOV 11 2020                  |
| DESIGNER | JAMES WILSON                 |
| CHECKER  | STEVE WILSON                 |
| DATE     | NOV 11 2020                  |
| SCALE    | AS SHOWN                     |

DATE: 11/11/20  
 TIME: 10:10 AM  
 PROJECT: PIT FAN OPENING - DTLS J & K  
 DRAWN BY: JAMES WILSON  
 CHECKED BY: STEVE WILSON  
 DATE: 11/11/20  
 TIME: 10:10 AM

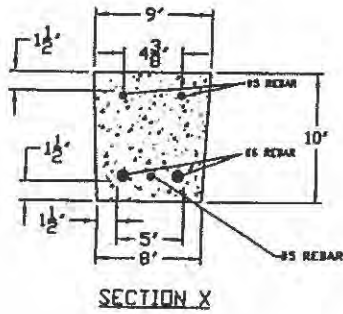
THE CONTRACTOR/OWNER SHALL VERIFY ALL DIMENSIONS AND SPACING ARE CORRECT TO THE FOUNDATION. ANY DISCREPANCIES SHOULD BE REPORTED IMMEDIATELY. THE OWNER REPRESENTATIVE SHALL SIGN AND DATE THIS DRAWING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DIMENSIONS AND SPACING.







ELEVATION OF LINTEL BEAM  
NTS



DESIGN SPECIFICATIONS

CONCRETE:

$f'_c = 5000 \text{ PSI (28 D)}$

REINFORCING STEEL:

TOP LAYER = 2-#5 B

BOTTOM LAYER = 2-#

BAR

GRADE 60

$F_y = 60,000 \text{ PSI}$

STIRRUPS

NONE REQUIRED FOR

$\phi V_c \geq V_u$  PER AC  
SECTION 11.3.2.1 EQUA

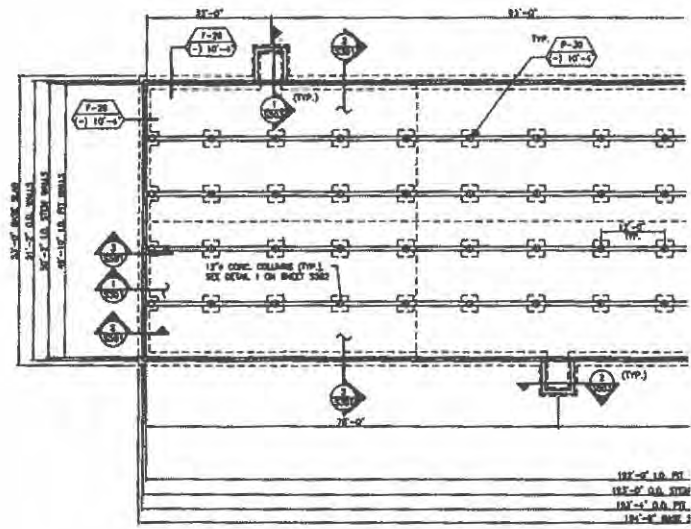
LOADING:

DEAD = 428.5 PLF

LIVE = 575 PLF (FINIS

(SEE ASAE EP.378.3)

**BARN P1**



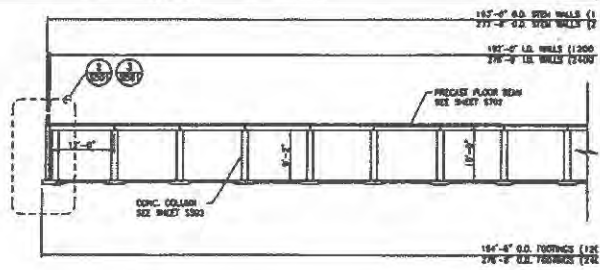
**1 CONCRETE PLAN - 13**

**DESIGN CONDITIONS:**

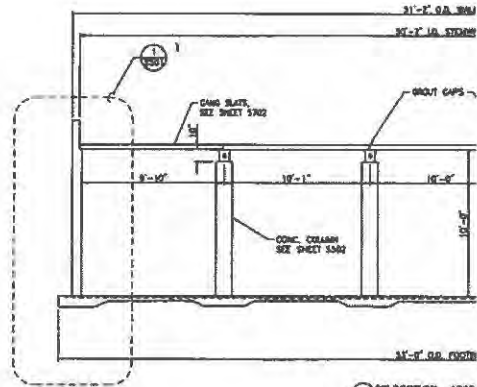
1. ALLOWABLE SOIL BEARING PRESSURE = 1700 psf (NET) COLLARS  
2100 psf (GROSS) WALLS.
2. MIN. 28-DAY CONCRETE COMPRESSIVE STRENGTH ( $f'_c$ ) = 4000 psf.
3. REINFORCEMENT BARS -  $f_y$  = 60,000 psf (GRADE 60).
4. REINFORCEMENT - PROVIDE MIN. PULLOUT OF 1000lb & SHEAR CAPACITY OF 10000lb FOR EPOXY GROUTED CONNECTIONS.
5. FLOOR LIVE LOAD = 57.5 psf (FISHING PICS).
6. ROOF SNOW LOAD = 70 psf.
7. SOIL LATERAL PRESSURE (EFFECTIVE FLUID PRESSURE) = 80 psf/ft  
120 psf/ft BURCHARGE ON PUMPOUTS ONLY.
8. SOIL UNIT WEIGHT = 120 psf.
9. FLUID DENSITY = 82 psf.
10. SUBGRADE FRICTION FACTOR = 0.8 (SAND).
11. PRECAST MANUFACTURER: HOG SLAT, INC.
12. PROJECT LOCATION: BUREAU CO., ALABAMA.

**GENERAL NOTES:**

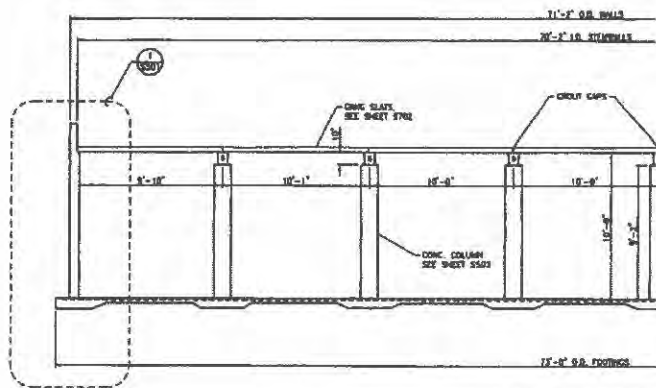
1. THE BASE SLAB AND TANK ARE NOT DESIGNED FOR HYDROSTATIC PRESSURE OR UPLIFT. MAINTAIN THE GROUND WATER TABLE BELOW THE TOP OF THE BASE SLAB.
2. CONTROL OF CONSTRUCTION JOINTS SHALL BE LOCATED A MINIMUM 8" FROM COLLAR FOOTINGS AND 3'-0" FROM PUMPOUT OPENINGS.
3. VERIFY ROUGH OPENINGS AND LOCATIONS OF DOORS PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL ENSURE THE WATER-TIGHTNESS OF THE PIT BY PROPER INSTALLATION AND TERMINATION OF THE BATH STOPS AND JOINT DETAILS AS SHOWN IN THESE PLANS AND PER THE MANUFACTURER'S RECOMMENDATIONS.
5. NO CONDUITS (ELECTRICAL, FIRE, WATER, ETC.) SHALL PENETRATE THE PIT WALLS BELOW THE SLATS.
6. DO NOT ALLOW HEAVY EQUIPMENT WITHIN 5' OF PIT WALLS EXCEPT AT PUMPOUT.



1 PIT SECTION  
2021-093-1-1-2

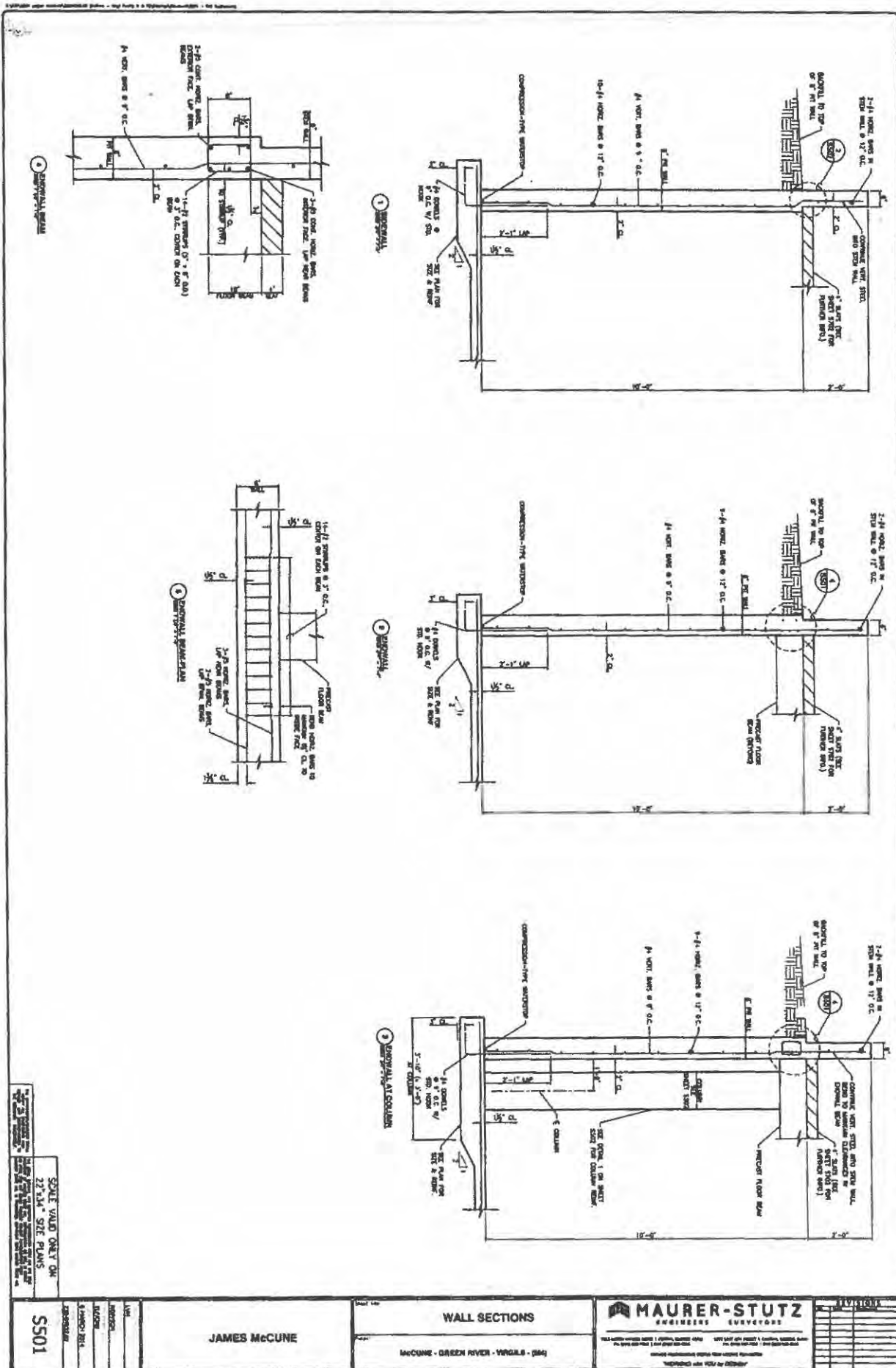


2 PIT SECTION - 1200  
2021-093-1-1-3



3 PIT SECTION - 2400 HEAD B  
2021-093-1-1-4





SCALE VALID ONLY ON  
27134 - SITE PLANS

5501

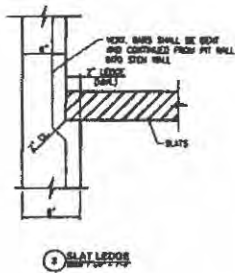
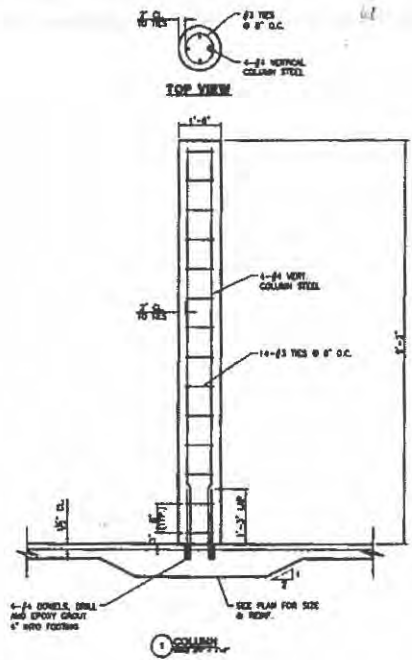
JAMES McCUNE

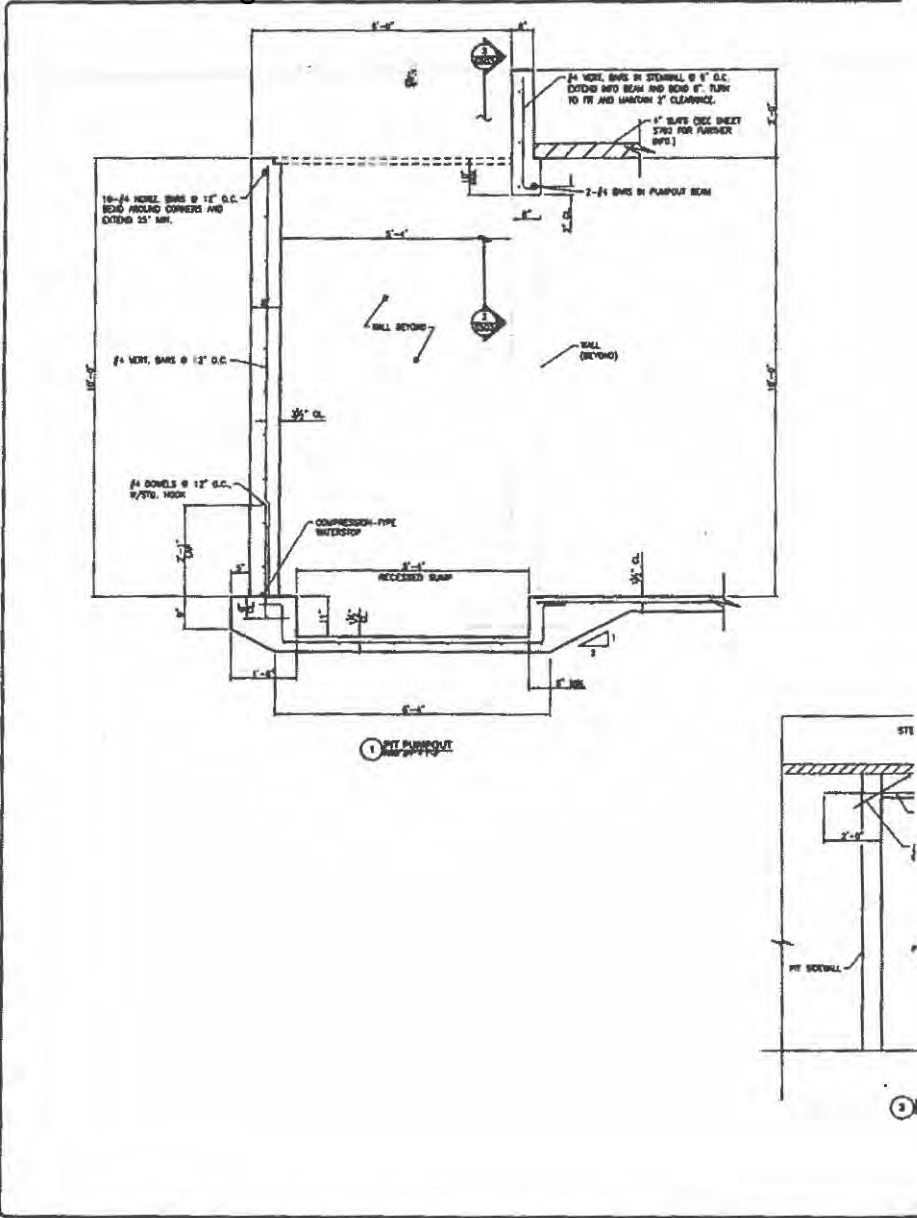
WALL SECTIONS

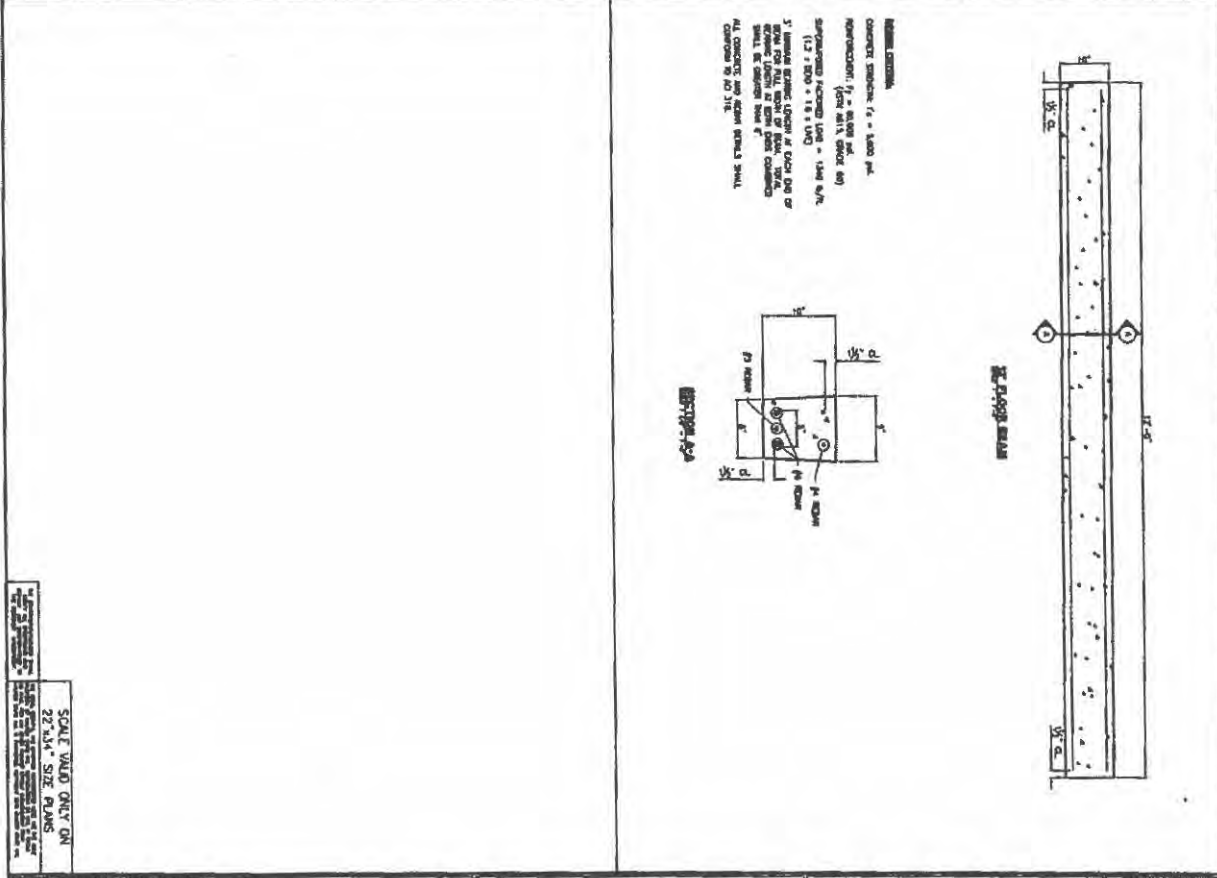
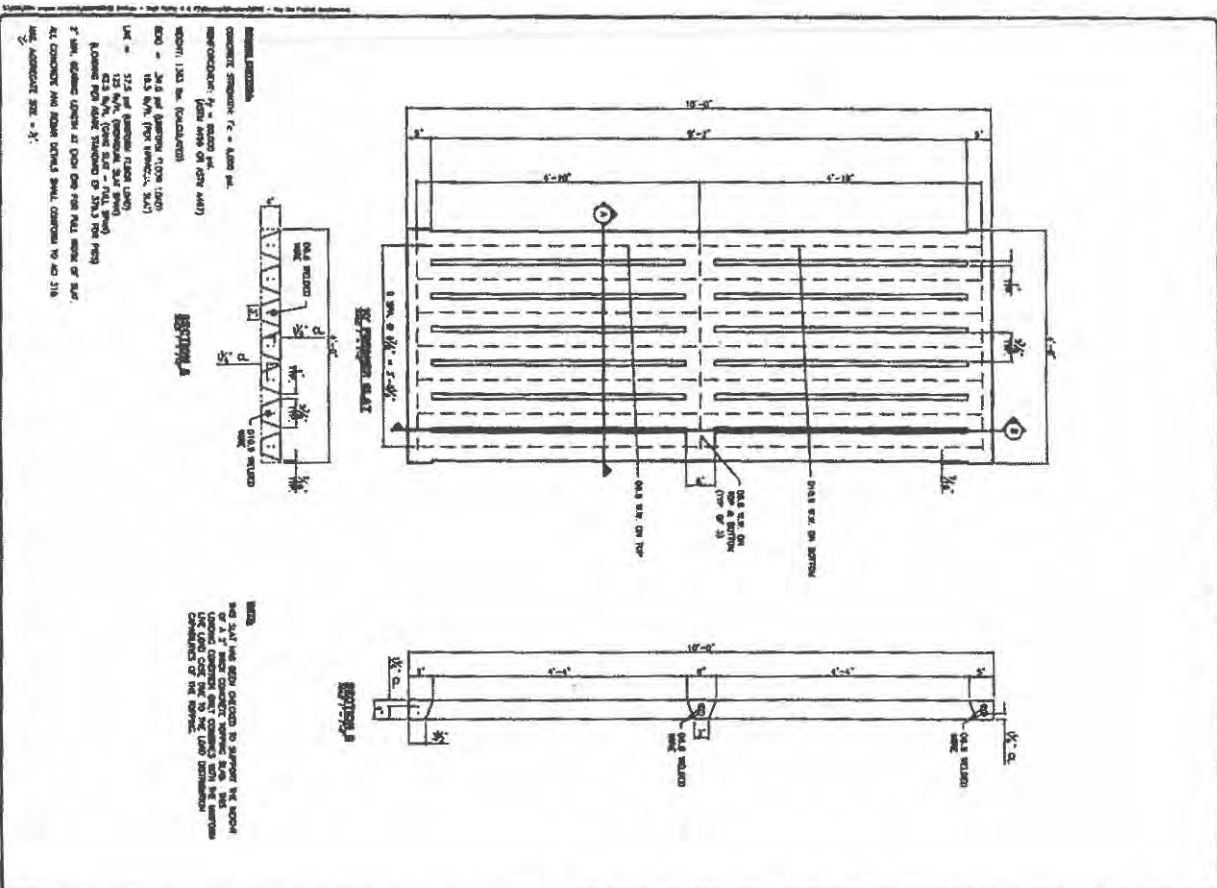
McCUNE - GREEN RIVER - VERGLE - 084

**MAURER-STUTZ**  
ENGINEERS ARCHITECTS

11/17/2021







SCALE: WELD ONLY ON 22" x 14" SIZE PLANS

JAMES McCUNE

PRECAST FLOOR MEMBERS  
 HOG SLAT, INC.  
 McCUNE - GREEN RIVER - VORLES - (844)

**MAURER-STUTZ**  
 ENGINEERS SURVEYORS

10/11/2021



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 April 9, 2021, 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:

Jim McCabe  
4201 N. Columbus St.,  
Ottawa, IL 61350

**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

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