

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

Farina Farms, Inc.)
(Property Identification Numbers) PCB 16-
04-07-100-010 & 04-07-100-11) (Tax Certification)
)

NOTICE

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

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

Roger Seger
4886 E450N
Dubois, IN 47527

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

DATED: June 13, 2016

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

Farina Farms, Inc.)
(Property Identification Numbers) PCB 16-
04-07-100-010 & 04-07-100-11) (Tax Certification)
)

APPEARANCE

The undersigned, as one of its attorneys, hereby enters an APPEARANCE on behalf of Respondent,
Illinois Environmental Protection Agency.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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

DATED: June 13, 2016

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

Farina Farms, Inc.)
(Property Identification Numbers) **PCB 16-**
04-07-100-010 & 04-07-100-11)) **(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 November 2, 2015 the Illinois EPA received a request from Farina Farms, Inc. (log number TC-27-15, 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:

Farina Farms, Inc.
8994 Sullivan Road
Kimmundy, IL 62854

The proposed water pollution control facilities in this request are located at Section S7, T4N, R4E of the 3rd P.M. in Marion County, at the above street address and consist of the following:

Livestock waste management facilities consisting of eight concrete manure pits (each approximately 49 ft. x 456 ft. x 7 ft. deep) beneath buildings E1-E8 with slotted floors over the pits, a mechanical conveyor system for transporting livestock waste (approximately 162 ft. long x 4 ft. wide), a concrete manure storage building (approximately 110 ft. x 275 ft. x 14 ft.) and a concrete composting building (approximately 40 ft. x 45 ft. x 8 ft.).

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

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


"pollution control facilities" as:

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

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

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

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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

Dated: June 13, 2016
Illinois Environmental Protection Agency
1021 North Grand Ave. E.
P.O. Box 19276
Springfield, Illinois 62794-9276
217/782-5544

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 June 13, 2016, true and correct copies of the attached APPEARANCE and RECOMMENDATION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, upon the following persons by First Class U.S. Mail, with proper postage and deliver charges prepaid:

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

Roger Seger
4886 E450N
Dubois, IN 47527

[Electronic Filing]

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

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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

THIS FILING IS SUBMITTED ON RECYCLED PAPER



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-2829
BRUCE RAUNER, GOVERNOR LISA BONNETT, DIRECTOR

Memorandum

To: Charles Gunnarson, Division of Legal Counsel

From: Al Keller, Manager, Permit Section *AKL*

Date: May 3, 2016

Re: Farina Farms, Inc.
Attn: Roger Seger
4886 E450 N
Dubois, IN 47527
Recommendation of Tax Certification
Log # TC-27-15
Property ID # 04-07-100-011 & 04-07-100-010

The Bureau of Water received a request on November 2, 2015 from Farina Farms, Inc. 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:

Farina Farms, Inc.
8994 Sullivan Road
Kinmundy, IL 62854

Section 7, T4N, R4E of the 3rd PM in Marion County

Livestock waste management facilities consisting of eight concrete manure pits (each approximately 49 ft. x 456 ft. x 7 ft. deep) beneath Buildings E1-E8 with slotted floors over the pits, a mechanical conveyor system for livestock waste transport in Building P1 and between Buildings P1 and P2 (approximately 162 ft. long x 4 ft. wide), a concrete manure storage barn, Building P2, (approximately 110 ft. x 275 ft. x 14 ft.), and a concrete composting building (approximately 40 ft. x 45 ft. x 8 ft.). These livestock waste management facilities are used to collect, transport, and/or store livestock waste prior to cropland application.

These facilities are 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 Jenny Larsen at 217/782-0610.

SAK:JML:Tax Certs\Livestock\LogTC-27-15.docx

Page No. 2
Log TC-27-15

cc: Tax Cert File
Maurer-Stutz, Inc. Attn: Gayle C. Baker, 3116 N. Dries Lane Suite 100 Peoria, IL 61604

Watershed Unit Tax Certification Review Sheet

Project Name: Farina Farms, Inc.

Location: Kinmundy, IL

Reviewer: Jenny Larsen

Date: 02/29/2016

Log number: TC-27-15

Type: Agchem
 Livestock

Applicant:

Roger Seger

4886 E450N

Dubois, IN 47527

Contact: Roger Seger

Phone: (812)678-3131

Facility:

8994 Sullivan Road

Kinmundy, IL 62854

Property ID: 0407100011 & 0407100010

County: Marion

Legal Description:

S: 7 T: 4N R: 4E PM: 3rd

Signature: Roger Seger

Title: Owner

Date Control Devices installed: 07/1987

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:

This facility consists of eight barns E1-E8 with concrete manure pits beneath the buildings (each approx. 49 ft. x 456 ft. x 7 ft.). The applicant also asked to cover Building P1 which is an animal housing facility that collects manure with a mechanical conveyor (approx. 162 ft. long x 4 ft. wide). There is a manure storage building P2 (approx. 110 ft. x 275 ft. x 14 ft.) and a composting building (approx.. 40 ft. x 45 ft. x 8 ft.). The facility also requests to have the stormwater drainage system certified as a pollution control.

12/16/2015- Spoke with Gayle Baker from Maurer Stutz to clarify which items in their application they were asking for. The facility believes that they may be able to have their stormwater drainage system certified as a pollution control.

3/3/2016- A letter was sent to the applicant to tell them that the following facilities will be recommended for denial unless they provide additional information or withdraw the following facilities: Portions of buildings E1-E8 above the manure storage pits, Building P1 except for the mechanical conveyor system, and the stormwater drainage system.

3/14/2016-Roger Seger sent a response to the IEPA to withdraw all the facilities that the IEPA recommended for denial in the 3/3/2016 letter to Farina Farms.

Recommended Action: Endorse facilities that have not been withdrawn

March 14, 2016

Illinois EPA
Bureau of Water
Division of Water Pollution Control
1021 North Grand Avenue East
PO Box 19276
Springfield, Illinois 62794-9276

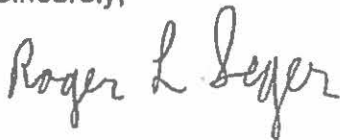
RE: Farina Farms Inc. – Tax Certification Application Log No. TC-27-15

Dear Ms. Larsen:

In response to the comments on the Farina Farms, Inc. tax certification application, we are withdrawing the following facilities from the application for certification as a pollution control:

- The portions of buildings E1-E8 above the manure storage pits.
- Building P1 except the mechanical conveyor that transports manure.
- The stormwater drainage system which includes: stormwater detention basins, manholes, inlets, culverts, perforated riser inlets, stormwater pipes, and drainage swales.

Sincerely,



Roger Seger

cc: MSI File

Copy



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-2829

BRUCE RAUNER, GOVERNOR

LISA BONNETT, DIRECTOR

March 3, 2016

Farina Farms, Inc.
Attn: Roger Seger
4886 E 450 N
Dubois, IN 47527

RE: Farina Farms, Inc. – Tax Certification Application Log No. TC-27-15

Dear Mr. Seger:

We received your tax certification application for your facility in Kinmundy, Illinois on November 2, 2015. The Agency has reviewed your application and provides the following comments regarding the following facilities provided in the application:

- The portions of buildings E1-E8 above the manure storage pits.
- Building P1 except for the mechanical conveyor that transports manure.
- The stormwater drainage system which includes: stormwater detention basins, manholes, inlets, culverts, perforated riser inlets, stormwater pipes, and drainage swales.

Based on review of the information included in this submittal, the above facilities are not "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. This determination is based on the following factor(s):

Pertaining to buildings E1-E8 that house the livestock and are above the manure storage pits and Building P1 that houses livestock excluding the mechanical conveyor:

The primary purpose of these facilities is to provide an area that protects animals from predators, shelters animals from outside weather conditions, reduces theft and is not pollution control. *Poultry House Construction*, by J.G. Halpin and C.A. Ocock (1911) published by The University of Wisconsin, Agricultural Experiment Station states, "One of the most essential things in poultry keeping, is to have a suitable house which will protect the fowls from inclement weather and from their natural enemies." *Housing Farm Poultry*, by L.E. Card and W.A. Foster (1927) published by The University of Illinois, Agricultural College and Experiment Station states, "Any type of construction which will prevent excessive heat in the summer and avoid extreme heat loss in the winter will be favorable to egg production." *Small Scale Poultry Housing*, by Phillip J. Clauer (2009) published by Virginia State University, Virginia Cooperative Extension states, "A good poultry house protects the birds from the elements (weather), predators, injury and theft." *Housing Farm Poultry*, by W.A. Foster and H.H. Alp (1929) published by The University of Illinois, Agricultural College and Experiment Station states, "An

Farina Farms, Inc.
February 24, 2016
Page 2

ideal poultry house is one that provides throught the year conditions which approximate those prevailing naturally in the spring. In a sense, housing is unnatural for hens, but it is necessary for profitable production." *A Successful Iowa Shed Roof Poultry House*, by Geo. M. Turpin and M.F.P. Costelloe (1918) published by the Agricultural Experiment Station Iowa State College of Agriculture and Mechanic Arts states, "This house was planned to meet all the essential requirements of a successful poultry house. Such a house must provide the fowls with adequate protection from bad weather, including both excessive cold and heat, as well as cold winds, rain and snow. It must also provide suitable roosting quarters, a place for the hens to lay and a suitable place to feed the stock, particularly in bad weather. It should also be planned to furnish more or less protection from vermin and parasites." The above information confirms the primary purpose of buildings E1-E8 that houses livestock and are above the manure storage pits, and Building P1 that houses livestock, excluding the mechanical conveyor, is not pollution control.

Pertaining to the stormwater drainage system:

The primary purpose of these facilities is to keep the poultry houses dry and well drained. *Poultry House Construction*, by J.G. Halpin and C.A. Ocock (1911) published by The University of Wisconsin, Agricultural Experiment Station states, "Poultry houses should be located where it is dry and well drained. If the ground is not naturally dry, it should be ditched and drained artificially, for poultry will not thrive in a house when the floor is constantly wet. A damp location means a damp poultry house all the way through and the result is that fowls are affected with many troublesome diseases." *Site Selection Factors for New Poultry Facilities*, by Charles Goan (2005) published by The University of Tennessee, Agricultural Extension Service states, "Adequate drainage for stormwater control must be considered because of the large amount of roof area. The immediate area outside the buildings must have sufficient slope to keep runoff water out of the buildings." *Small Scale Poultry Housing*, by Phillip J. Clauer (2009) published by Virginia State University, Virginia Cooperative Extension states, "Build the coop on high, well drained areas. This prevents prolonged dampness and water saturation of the floor of the coop and outside runs." *Housing Farm Poultry*, by W.A. Foster and H.H. Alp (1929) published by The University of Illinois, Agricultural College and Experiment Station states, "One of the problems that must be faced constantly in the management of poultry is that of keeping the house dry. Hens have no sweat glands, and since little moisture is excreted in the droppings, the only way the hen can get rid of any considerable amount of moisture is thru the lungs. A great deal of moisture is thus given off into the air of the poultry house, and the result is a tendency for the litter to become damp very quickly. It is therefore essential that good ventilation be provided, and that the floor be made of such materials and be so constructed that no additional moisture will accumulate thru absorption from the ground below. A damp house is distinctly unfavorable to continued good health and to egg production, so that anything which can be done to prevent the entrance of ground moisture, or to provide ventilation to carry out the moisture given off by the hens in breathing, is to be encouraged." The above

Farina Farms, Inc.
February 24, 2016
Page 3

information confirms the primary purpose of the stormwater drainage system is not pollution control.

Based on what was provided in the tax certification application, these facilities will be recommended for denial. In order to continue with the review process, please provide additional information to address the above items or withdraw these facilities from the application for certification as a pollution control.

Please respond to this request by either fax at (217)782-9891, email to jenny.larsen@illinois.gov or a written letter. If you have any questions please contact Jenny Larsen at (217)782-0610.

Sincerely,



Jenny Larsen
Environmental Protection Engineer
Illinois Environmental Protection Agency
Bureau of Water
Division of Water Pollution Control

cc: Records Unit
Maurer-Stutz, Inc. Attn: Gayle C. Baker, 3116 N. Dries Lane Suite 100 Peoria, IL 61604



Illinois Environmental Protection Agency

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

Application for Certification (Property Tax Treatment) Pollution Control Facility

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

Facility Type (check one): Air Water

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

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

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

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

I. Applicant Information:

Company Name: <u>Farina Farms, Inc.</u>	
Person Authorized to Receive Certification: <u>Roger Seger</u>	Person to Contact for Additional Details: <u>Roger Seger</u>
Street Address: <u>4886 E450N</u>	Street Address: <u>4886 E450N</u>
City: <u>Dubois</u> State: <u>IN</u>	City: <u>Dubois</u> State: <u>IN</u>
Zip: <u>47527</u> Phone: <u>812-678-3131</u>	Zip: <u>47527</u> Phone: <u>812-678-3131</u>
Email Address: <u>rseger@wabashvalleyproduce.com</u>	Email Address: <u>rseger@wabashvalleyproduce.com</u>

II. Facility Information:

Facility Location: Quarter Section: NW 7 Township: 4N Range: 4E
Municipality: Farina Township: Meacham

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

Address: 8994 Sullivan Road City: Kilmundy
State: IL Zip Code: 62854 County: Marion Book Number: _____

Property Index Number: 0407100011 & 0407100010

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:

Egg Laying Hen Livestock Production Facility

Permit Information:

WPC Construction Permit Number: <u>None</u>	Date Issued: _____
NPDES Permit Number: <u>ILR10V308</u>	Date Issued: <u>Jun 30, 2015</u> Exp. Date: <u>Jun 30, 2016</u>
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)

IL 532-0222
APC 151 9/2014

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. 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 1, 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
Poultry 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: Jul 1, 1987

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))

<u>Roger L. Segler</u> Printed Name:	<u>VP</u> Title:
---	---------------------

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

<u>Roger L Segler</u> Signature:	<u>12-17-15</u> Date:
-------------------------------------	--------------------------

Application for Certification (Property Tax Treatment) Pollution Control Facility
Farina Farms, Inc. Poultry Egg Layer Facility
By: Maurer-Stutz, Inc

ATTACHMENT 1: Facility Pollution Control Facility Description

The facility consists of nine (9) barns: Buildings E1 - E8 - 49'x 456' poultry layer building with 7 ft deep manure storage area below the cages and Building P1 - 120'x 528'. Manure from building P1 will be transferred to a concrete walled manure storage barn with dimensions 110' x 275' x 14' high stack height. The facility also has a composting building with dimensions 40' x 45' which is doubling in size.

Building E1-E8 have an animal capacity of 484,488 laying hens. Building P1 has an animal capacity of 544,608 laying hens.

Building E1-E8 are animal housing facility above a 7ft deep manure storage pit. The bottom of the pit is on grade and has a 4" slab thickness. The footings are 12" wide and 2'-0" deep. The reinforced concrete walls are 7' and 6" poured walls. Livestock waste drops from the laying hen cages directly into the concrete pit storage area.

Building P1 is an animal housing facility that collects manure with conveyors. The building has 6" thick slab and 10" thick walls. The walls have footings that are 1'-6" thick and 4'-0" wide. Manure is transferred with a mechanical conveyor from the transfer room off building P1 to the manure barn (P2) with a mechanical conveyor. The manure storage barn has a 6" thick slab with 10" thick walls. The walls have footings that are 1'-6" thick and 6'-0" wide. See attached facility plans.

The composter has a 5" thick reinforced concrete slab. The walls are 8' tall with 8" thick reinforced concrete.

The facility diverts uncontaminated runoff and roof drainage away from the animal production facilities through stormwater detention basins to settle silt and control peak flow rates. Concrete manhole inlets culverts and drainage swales along the gravel driveway surfaces along building E8 and perforated riser inlets diverts surface water from building P1 and manure barn P2. Inlets are connected by storm water pipes that range from 12" to 42" diameter. Storm water pipes and drainage swales divert storm water to a detention basin which outlets through a principle spillway to an existing drainage swale.

The facility protects ground and surface water by providing collection and storage of poultry manure. Subsequently, the manure is sold for use on cropland.

Application for Certification (Property Tax Treatment) Pollution Control Facility
Farina Farms, Inc. Poultry Egg Layer Facility
By: Maurer-Stutz, Inc

ATTACHMENT 2: Purpose of Pollution Control Facility

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

ATTACHMENT 3: Date of First Service

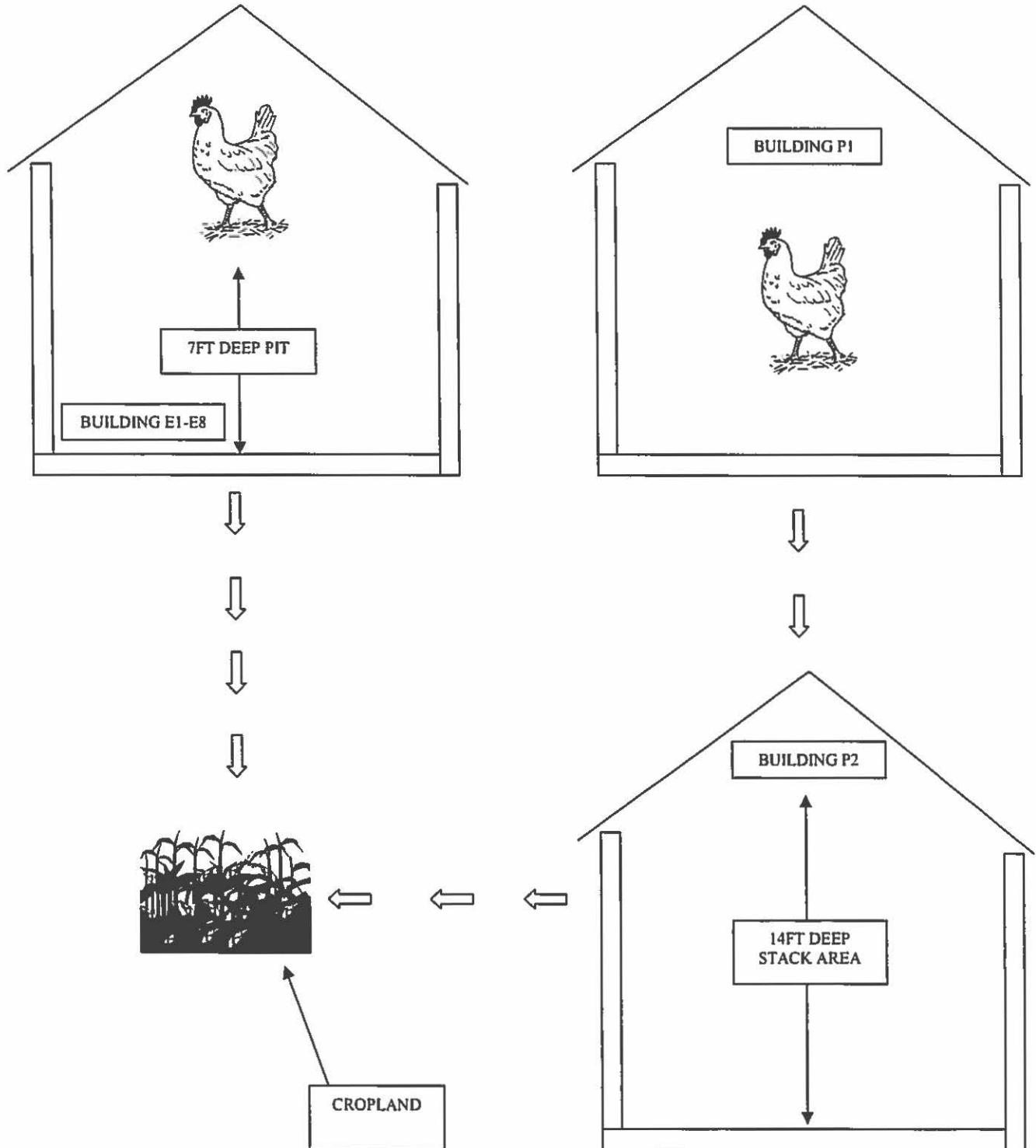
The pollution control facility was first placed into service and operated July, 1987. Additional barns expanding the facility are under construction in 2015.

ATTACHMENT 4: Status of Installation

Construction is in progress for facility expansion on Egg Layer Building, mortality composting, and Manure Storage building anticipated to be completed around December 31, 2015.

Application for Certification (Property Tax Treatment) Pollution Control Facility
Farina Farms, Inc. Poultry Egg Layer Facility
By: Maurer-Stutz, Inc

MANURE DIAGRAM





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

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

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

Facility Type (check one): Air Water

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

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

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

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

I. Applicant Information:

Company Name: <u>Farina Farms, Inc.</u>	Person to Contact for Additional Details: <u>Roger Seger</u>
Person Authorized to Receive Certification: <u>Roger Seger</u>	Street Address: <u>4886 E450N</u>
Street Address: <u>4886 E450N</u>	City: <u>Dubois</u> State: <u>IN</u>
City: <u>Dubois</u> State: <u>IN</u>	Zip: <u>47527</u> Phone: <u>812-678-3131</u>
Zip: <u>47527</u> Phone: <u>812-678-3131</u>	Email Address: <u>rseger@wabashvalleyproduce.com</u>
Email Address: <u>rseger@wabashvalleyproduce.com</u>	

II. Facility Information:

Facility Location: Quarter Section: SE 7 Township: 4N Range: 4E
 Municipality: Farina Township: Kinmundy

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

Address: 8994 Sullivan Road City: Kinmundy
 State: IL Zip Code: 62851 County: Edgar Book Number: _____

Property Index Number: 407100006

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:

Egg Laying hen Livestock Production Facility

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)

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. 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 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
Poultry 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: Jul 1, 1987

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:

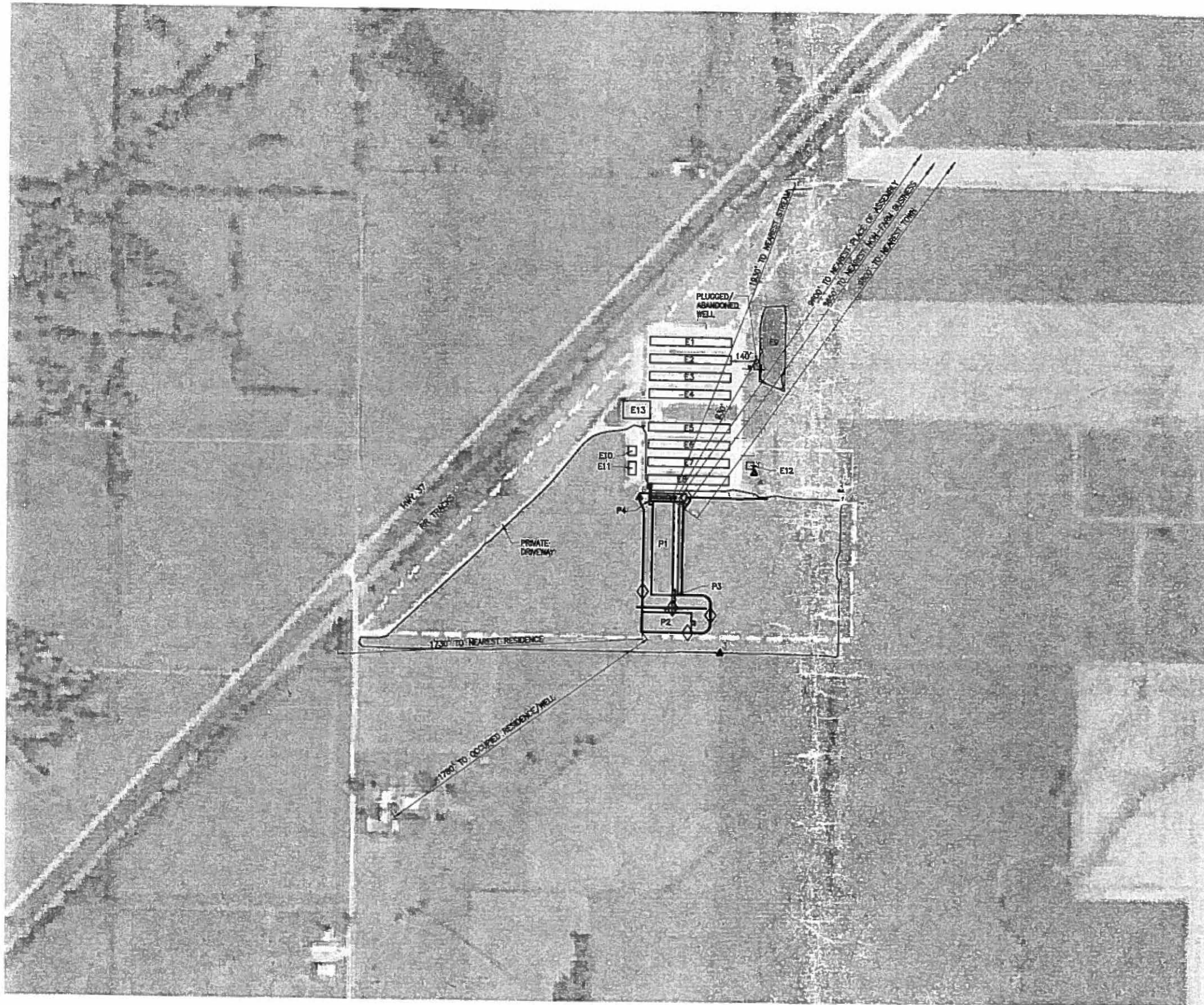
The following information is submitted in accordance with the Illinois Property Tax Code, as amended, and to the best of my knowledge is true and correct.

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))

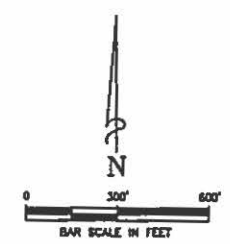
<u>Roger L. Seger</u> Printed Name:	<u>VP & Owner</u> Title:
--	---------------------------------

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

<u>Roger L. Seger</u> Signature:	<u>10-28-15</u> Date:
-------------------------------------	--------------------------



- LEGEND**
- △ TEMPORARY CONTROL POINTS
 - ⊕ SOIL BORING
 - - - CROP LINE
 - PROPOSED SURFACE WATER FL.
 - PROPOSED STORMWATER PIPE
 - ⊙ PROPOSED STORMWATER RISER/MANK
 - - - EXISTING CULVERT
 - Ⓢ EXTERIOR LIGHTS
 - - - EXISTING DRAINAGE SWALE/FL
 - PROPOSED DRAINAGE SWALE/FL
 - FLOW ARROW
 - WELL



SCALE VALID ONLY ON
22"x34" SIZE PLANS

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NO.	REVISIONS

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1000 N. UNIVERSITY BLVD. SUITE 1000 | GRAND FORK, ND 58005 | TEL: (701) 785-1111
1000 N. UNIVERSITY BLVD. SUITE 1000 | BISMARCK, ND 58103 | TEL: (701) 785-1111

Sheet Title: **FARMSTEAD PLAN**

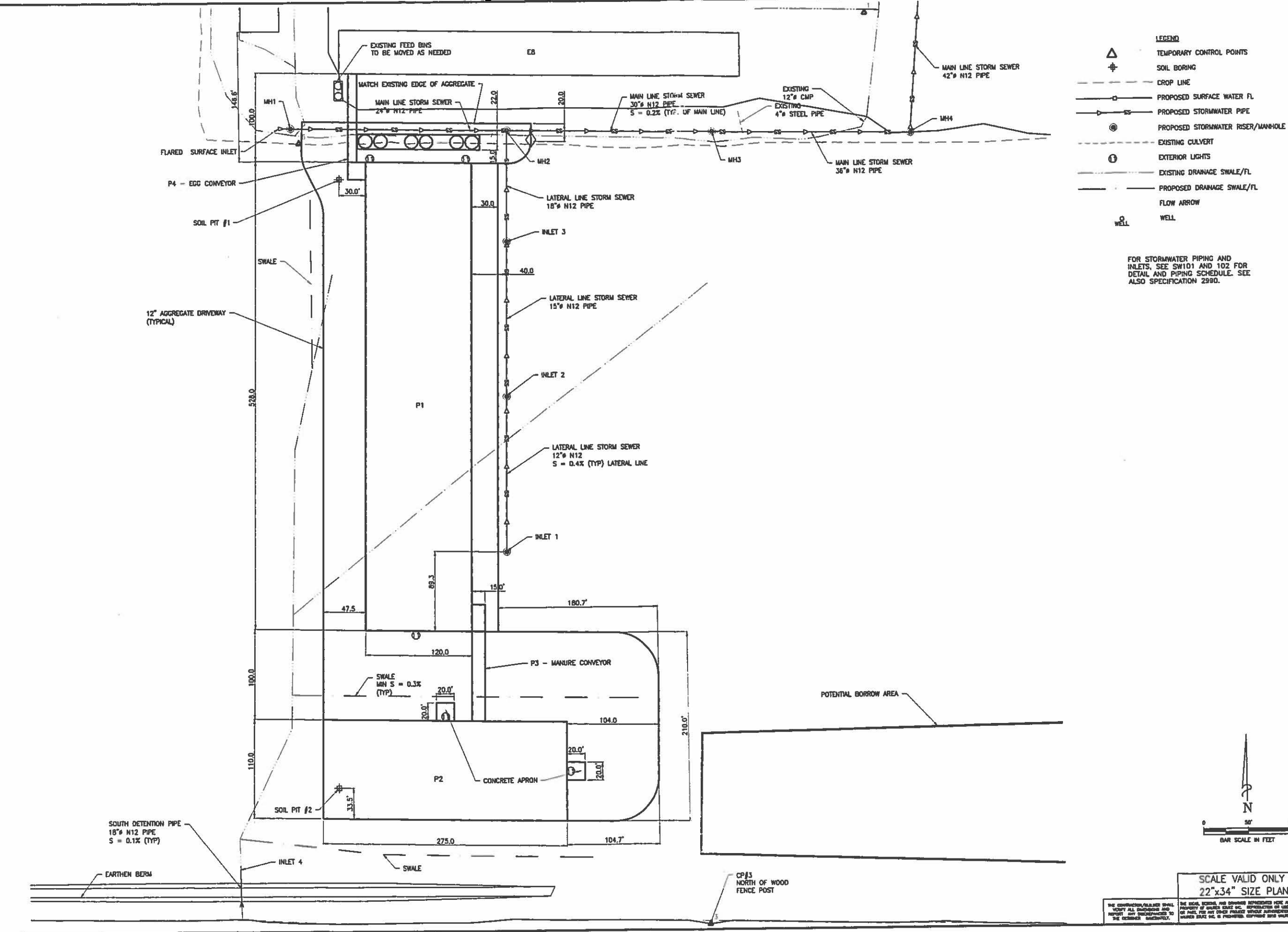
Project: **EGG LAYER FARM EXPANSION**

Client: **FARINA FARMS, INC.**

Designed By: TLF/SRH/GCH
Drawn By: KDB/WDP
Reviewed By: TLF
Date: 01 June 2015
Project No.: 23815013.02
Drawing:

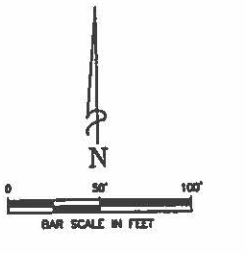
C101

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- LEGEND**
- △ TEMPORARY CONTROL POINTS
 - ⊕ SOIL BORING
 - CROP LINE
 - PROPOSED SURFACE WATER FL
 - |— PROPOSED STORMWATER PIPE
 - ⊙ PROPOSED STORMWATER RISER/MANHOLE
 - ⊖ EXISTING CULVERT
 - Ⓢ EXTERIOR LIGHTS
 - --- EXISTING DRAINAGE SWALE/FL
 - |— PROPOSED DRAINAGE SWALE/FL
 - FLOW ARROW
 - ⊙ WELL

FOR STORMWATER PIPING AND INLETS, SEE SW101 AND 102 FOR DETAIL AND PIPING SCHEDULE. SEE ALSO SPECIFICATION 2990.



REVISIONS

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ENGINEERS SURVEYORS

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 1100 EAST 40TH STREET | CARLETON, IL 61830 | TEL 618.237.8311 | FAX 618.237.8313
 5430 W. ELSTON AVENUE | CHICAGO, IL 60630 | TEL 773.424.2023 | FAX 773.424.2025
 IL ARCHITECT REGISTRATION NO. 0216-001274
 ILLINOIS PROFESSIONAL ENGINEER REGISTRATION NO. 0216-001274

SITE PLAN

EGG LAYER FARM EXPANSION

FARINA FARMS, INC.

Designed By:
TLF/SRH/GCB
 Drawn By:
KDR/NDP
 Reviewed By:
TLF
 Date:
01 June 2015
 Project No:
23815013.02
 Drawing:

C102

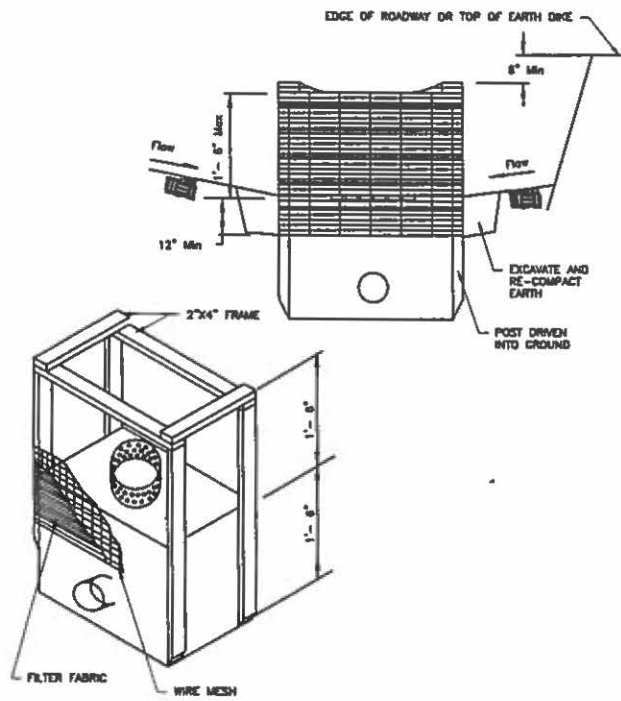
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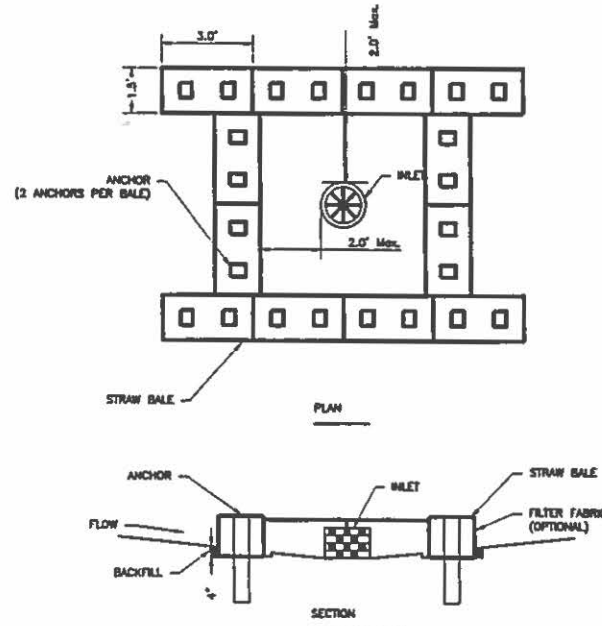
1511015013.dwg | Project: 23815013.02 | Farina Farms, Inc. | Designer: TLF/SRH/GCB | Date: 01 June 2015 | Scale: AS SHOWN

INLET PROTECTION - FABRIC DROP PLAN



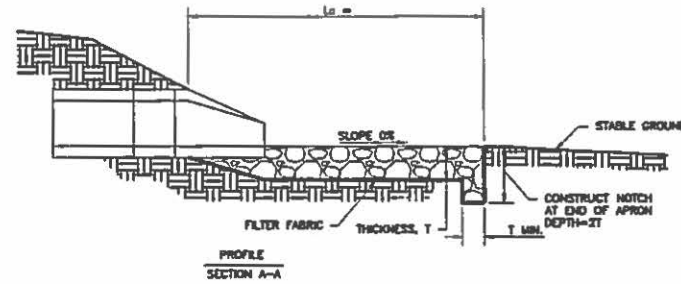
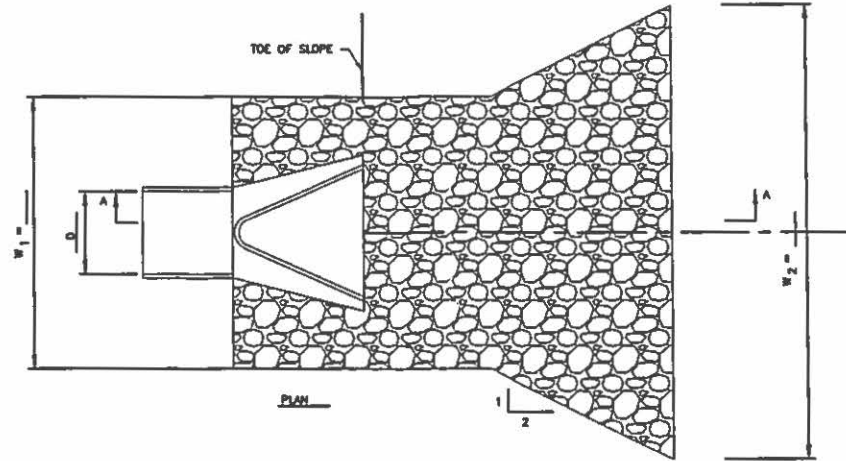
- NOTES:
1. FILTER FABRIC SHALL MEET THE REQUIREMENT OF MATERIAL SPECIFICATION 502 GEOTEXTILE TABLE 1 OR 2, CLASS 1, WITH AN EDGE OF AT LEAST 30 FOR NONWOVEN AND 50 FOR WOVEN.
 2. THE WIRE MESH SHALL HAVE A MAXIMUM OPENING OF AT LEAST 8 INCHES.
 3. LIMIT DRAINAGE AREA TO THE INLET PROTECTION TO 1 ACRE.

INLET PROTECTION STRAW BALE BARRIER PLAN



- NOTES:
1. THE IMMEDIATE LAND AREA AROUND THE INLET SHOULD BE RELATIVELY FLAT (LESS THAN 1% SLOPE) AND LOCATED SO THAT THE ACCUMULATED SEDIMENT CAN BE EASILY REMOVED.
 2. THE INSIDE EDGE OF THE BALES SHALL BE A MAXIMUM OF 2 FEET FROM THE EDGE OF THE INLET.
 3. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 502 GEOTEXTILE TABLE 1 OR 2, CLASS 1 WITH AN EDGE OF AT LEAST 30 FOR NONWOVEN AND 50 FOR WOVEN.
 4. ANCHORS SHALL BE REBAR, STEEL PICKETS OR 2" X 2" STAKES, AND SHALL BE LONG ENOUGH TO EXTEND AT LEAST 1.5 TO 2.0 FEET INTO THE GROUND WHEN THE TOP IS FLUSH WITH THE BALE.

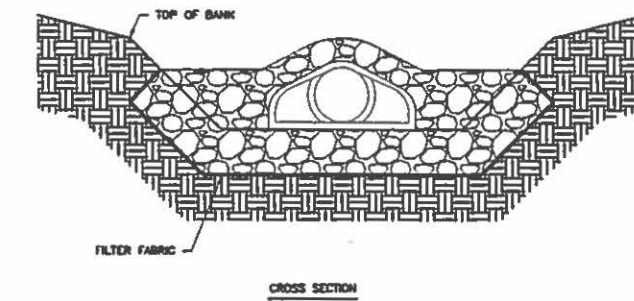
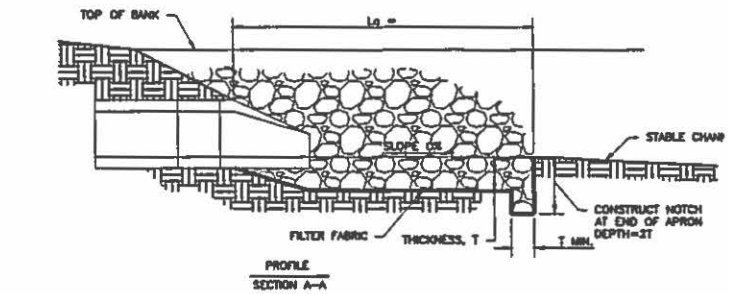
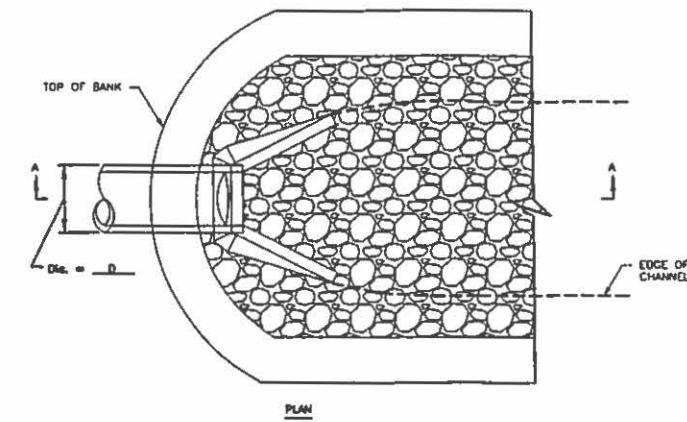
PIPE OUTLET TO FLAT AREA NO WELL-DEFINED CHANNEL



ROCK OUT TO FLAT AREA SIZING CHART

D, PIPE SIZE, in	W1, in	W2, ft	Ls, ft	T, in	IDOT ROCK GRADE
4	12	7'-0"	8'-0"	15"	RR3
5	15	7'-3"	8'-0"	15"	RR3
6	18	8'-0"	8'-0"	15"	RR3
8	24	11'-0"	9'-0"	15"	RR3
10	30	12'-0"	10'-0"	15"	RR3
12	36	15'-0"	12'-0"	15"	RR3
15	45	17'-9"	14'-0"	20"	RR4
18	54	20'-0"	16'-0"	20"	RR4
21	63	23'-3"	18'-0"	20"	RR4
24	72	26'-0"	20'-0"	20"	RR4

PIPE OUTLET TO WELL-DEFINED CHANNEL



ROCK OUT TO CHANNEL SIZING CHART

D, PIPE SIZE, in	Ls, ft	T, in	IDOT ROCK GRADE
4	8'-0"	15"	RR3
5	8'-0"	15"	RR3
6	8'-0"	15"	RR3
8	8'-0"	15"	RR3
10	10'-0"	15"	RR3
12	12'-0"	15"	RR3
15	14'-0"	20"	RR4
18	16'-0"	20"	RR4
21	18'-0"	20"	RR4
24	20'-0"	20"	RR4

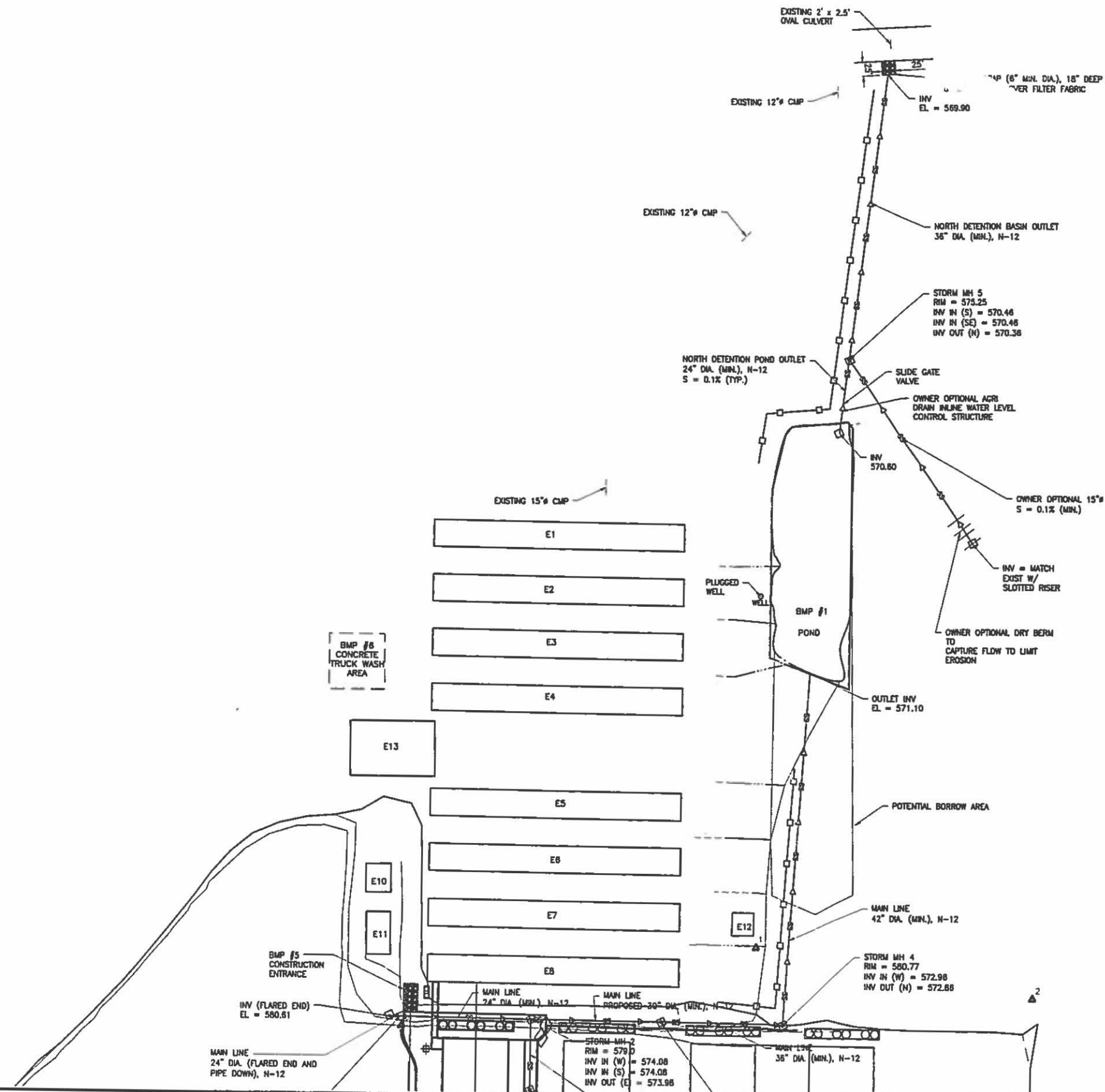
NOTE:
FOR PIPES THAT DISCHARGE INTO A WELL-DEFINED CHANNEL, THE WIDTH OF THE APRON SHOULD EXTEND TO TOP OF BANK OR AT LEAST 1 FOOT ABOVE THE MAXIMUM TAILWATER DEPTH, WHICHEVER IS LESS ALONG ENTIRE LENGTH OF APRON.

SCALE VALID ONLY ON 22"x34" SIZE PLANS

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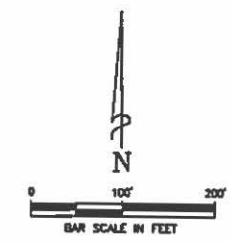
<p>REVISIONS</p> <table border="1"> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>																					<p>MAURER-STUTZ ENGINEERS SURVEYORS</p> <p>1115 E. BRIDGE LANE, SUITE 100 • FARMERS, ILLINOIS 62521 • (618) 453-7111 • FAX (618) 453-7112 1400 N. WASHINGTON AVE. • CHICAGO, ILLINOIS 60642 • (312) 271-4228 • FAX (312) 271-4229 1400 N. WASHINGTON AVE. • CHICAGO, ILLINOIS 60642 • (312) 271-4228 • FAX (312) 271-4229</p>	<p>INLET & OUTLET PROTECTION DETAILS</p> <p>EGG LAYER FARM EXPANSION</p>	<p>Project: FARINA FARMS, INC.</p> <p>Designed By: TLF/SRH/GCB Drawn By: KDR/NDP Reviewed By: TLF Date: 01 June 2015 Project No.: 23815013.02 Drawing: SW503</p>

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SURVEY TEMPORARY CONTROL POINT		
ID	DESCRIPTION	ELEVATION
1	5/8" REBAR	579.97
2	5/8" REBAR	582.64
3	5/8" REBAR	582.52

NAD83; NAVD88; FIELD BOOK 521



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NO.	DESCRIPTION

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 1400 EAST GARDEN STREET | GAITHERSBURG, MD 20878 | (301) 947-7979 | FAX (301) 947-4433
 3420 W. GILBERT AVENUE | SUITE 100 | DENVER, CO 80234 | (303) 733-7422 | FAX (303) 733-7415

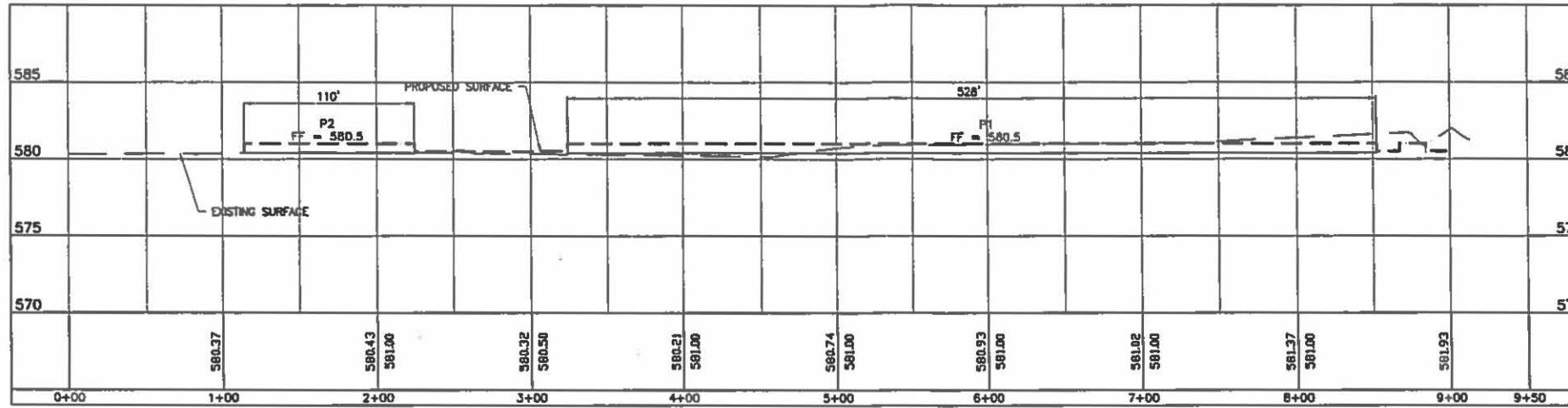
Sheet No. _____
 Project: **STORM WATER POLLUTION PREVENTION PLAN**
EGG LAYER FARM EXPANSION

Client: **FARINA FARMS, INC.**

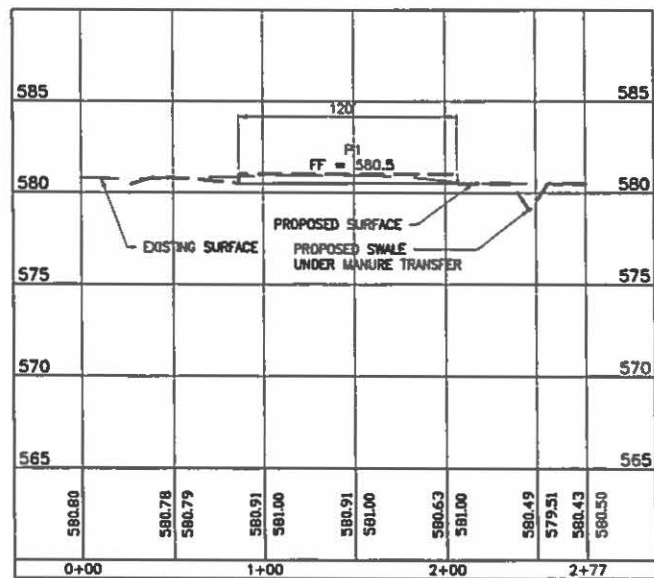
Designed By: TLF/SRH/GCB
 Drawn By: KDR/NDP
 Reviewed By: TLF
 Date: 01 June 2015
 Project No.: 23815013.02
 Drawing: **SW102**

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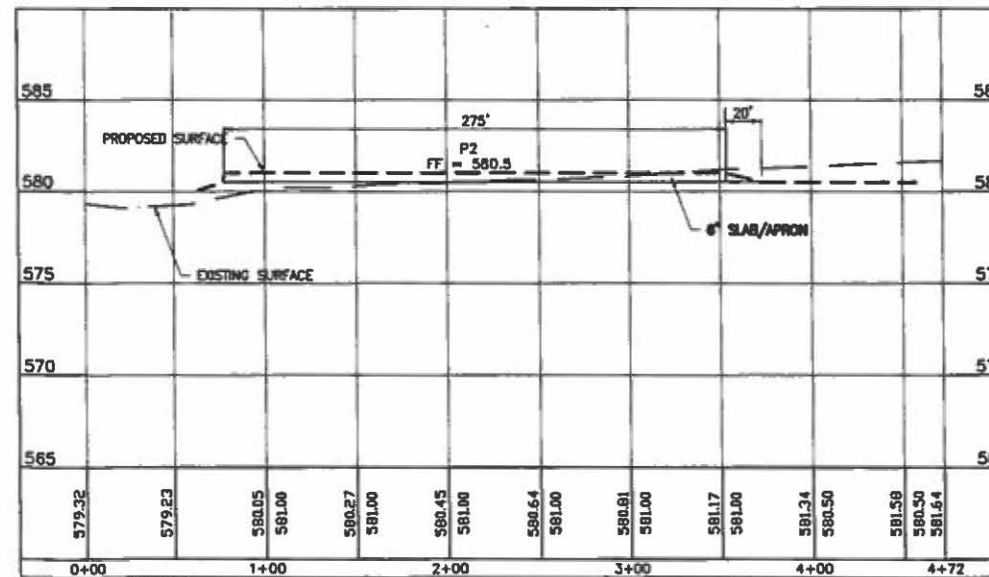
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① P1 & P2 SOUTH TO NORTH PROFILE
 1"=30' HOR.
 1"=3' VERT.



② P1 EAST TO WEST PROFILE
 1"=30' HOR.
 1"=3' VERT.



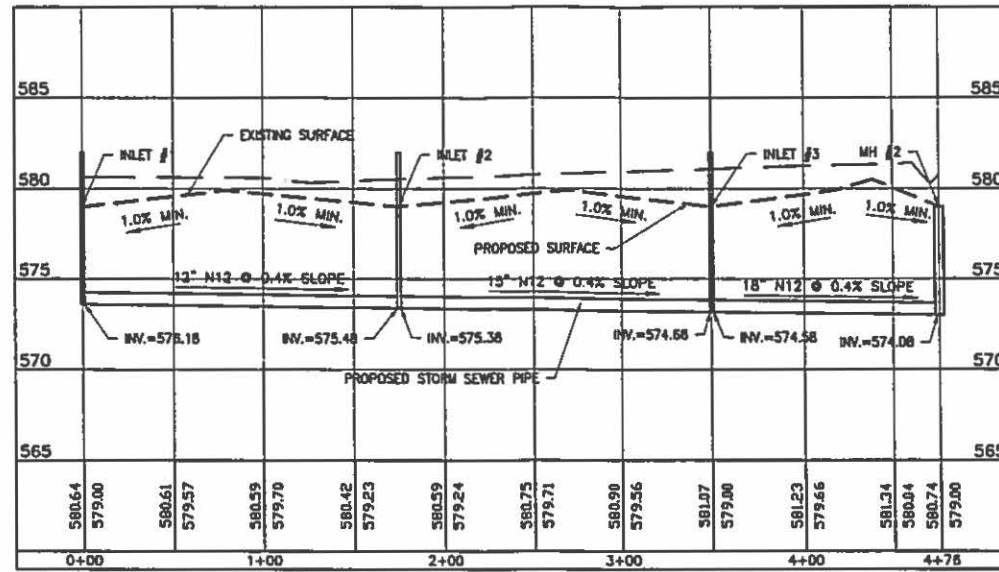
③ P2 EAST TO WEST PROFILE
 1"=30' HOR.
 1"=3' VERT.

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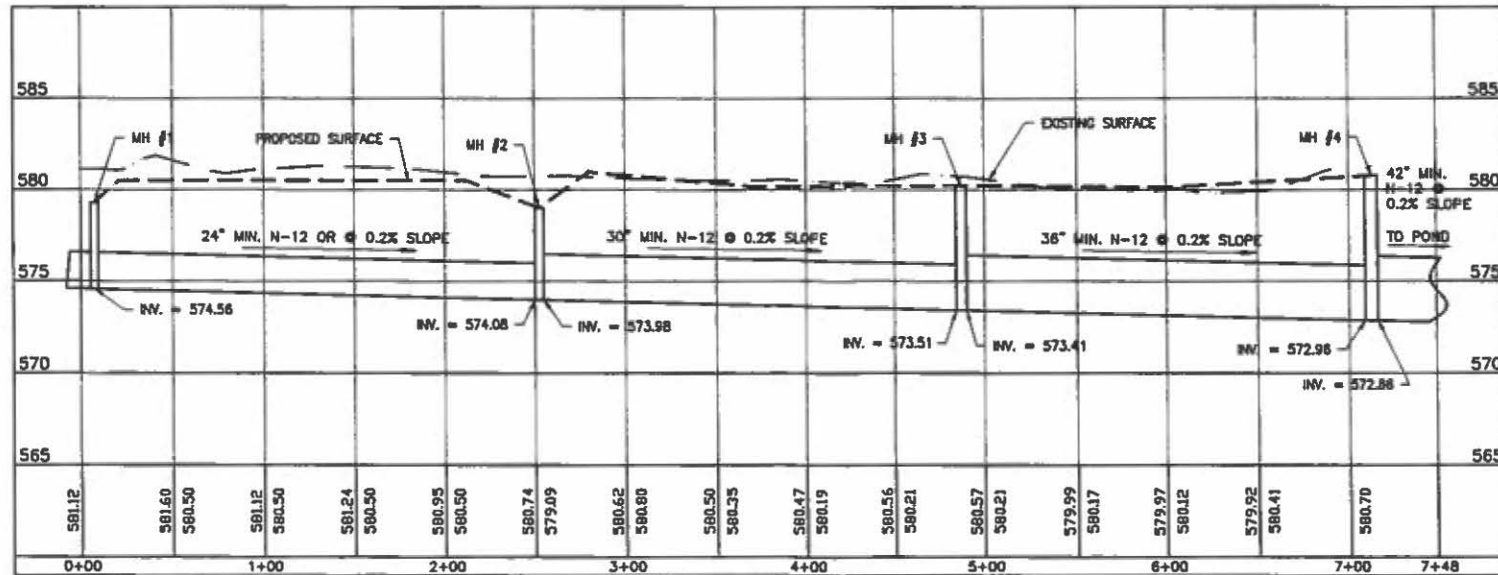
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CROSS SECTIONS	EGG LAYER FARM EXPANSION
FARINA FARMS, INC.	
Designed By: TLF/SRW/GCB	Drawn By: KDR/NDP
Reviewed By: TLF	Date: 01 June 2015
Project No.: 23815013.02	Drawing: C301

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① SEWER E. SIDE BLDG SOUTH TO NORTH PROFILE
1"=30' HOR.
1"=3' VERT.



② SEWER N. SIDE BLDG WEST TO EAST PROFILE
1"=30' HOR.
1"=3' VERT.

REV ISONS
No. Date Description

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CROSS SECTIONS

EGG LAYER FARM EXPANSION

FARINA FARMS, INC.

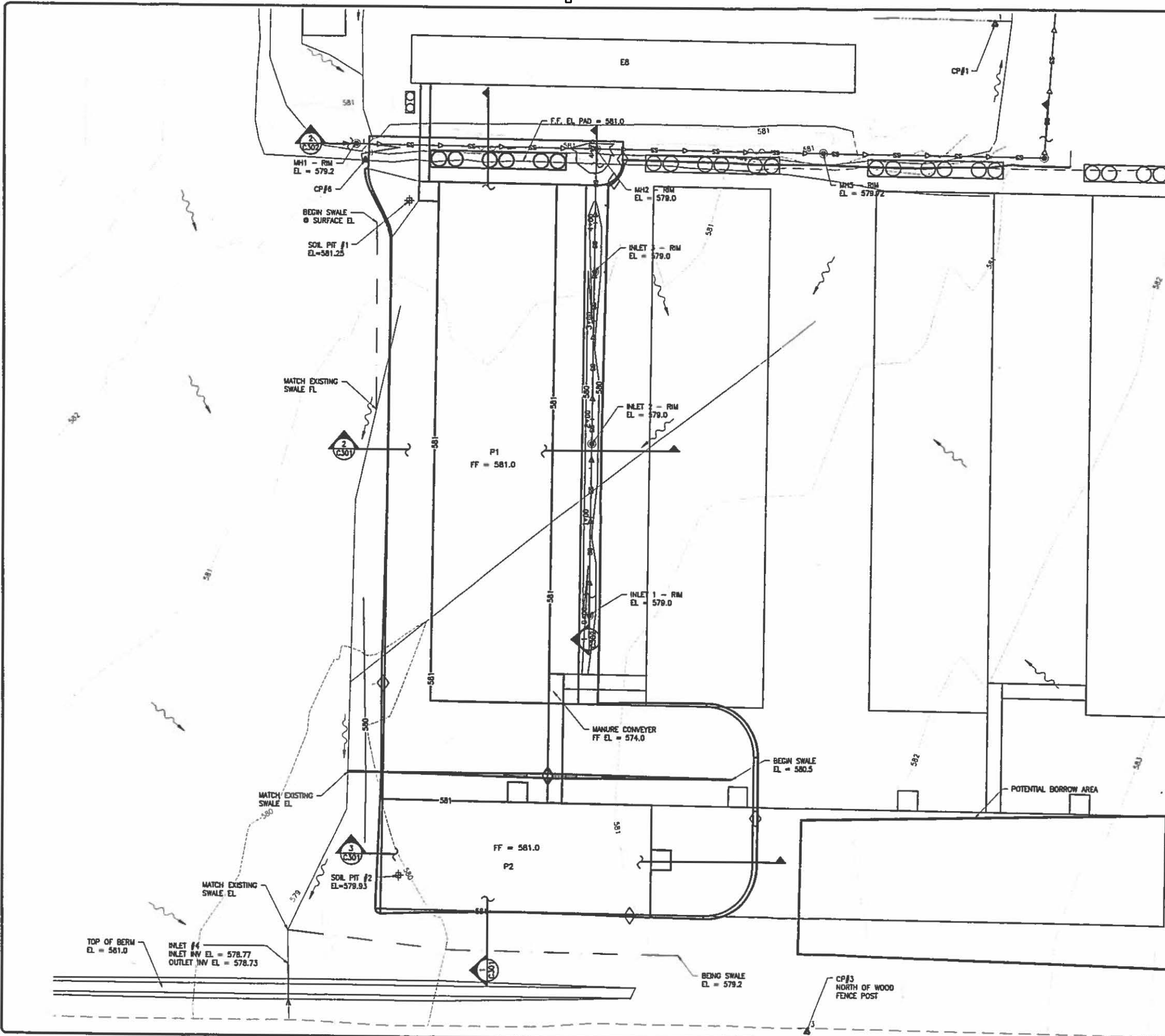
Designed By: TLF/SRH/CGB
Drawn By: KDR/NDP
Reviewed By: TLF
Date: 01 June 2015
Project No.: 23815013.02
Drawing: C302

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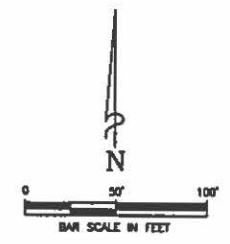


- SHEET NOTES:
1. ALL SLOPES AND BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR. MOISTURE SHALL BE CONTROLLED DURING COMPACTION TO WITHIN THE RANGE OF -2 TO +4 PERCENTAGE POINTS OF OPTIMUM.
 2. FILL SHALL BE PLACED IN LIFTS OF NO MORE THAN 6" THICK (0" LOOSE) AND COMPACTED PER NOTE #1. EXTERIOR SLOPES = 4:1 OR FLATTER.
 3. STRIP AND STOCKPILE TOPSOIL FOR USE ON EXTERIOR SLOPES AND AROUND STRUCTURES TO ESTABLISH GOOD VEGETATION.
 4. FINISHED GROUND ELEVATION AROUND ALL PROPOSED STRUCTURES SHALL BE 580.0.
 5. FINAL GRADING AROUND FACILITIES SHALL BE SUCH THAT SURFACE WATER DRAINS AWAY FROM FACILITIES AT A MIN. 1% SLOPE.
 6. WHEN SUBSURFACE DRAINS ARE ENCOUNTERED DURING EXCAVATION, THEY SHALL BE REMOVED TO A MINIMUM DISTANCE OF 50' AWAY FROM WASTE HANDLING AND REROUTED AROUND THE FACILITY.
 7. TOPSOIL STOCKPILES MUST BE LOCATED INSIDE A SILT FENCE PROTECTED AREA. SEE SW101 SHEET FOR LOCATIONS.
 8. SILT FENCE MUST BE INSTALLED DOWNGRADE FROM ALL DISTURBED AREAS.
 9. LEFTOVER TOPSOIL SHALL BE PLACED ON EXTERIOR SLOPES ON SITE PER OWNER.

SURVEY TEMPORARY CONTROL POINT		
ID	DESCRIPTION	ELEVATION
1	5/8" REBAR	579.97
2	5/8" REBAR	582.64
3	5/8" REBAR	582.52
6	2"x2" HUB	582.10

NA83; NAVD83; FIELD BOOK 521 FOR STORMWATER PIPING AND INLETS, SEE SW101 AND 102 FOR DETAIL AND PIPING SCHEDULE. SEE ALSO SPECIFICATION 2990.

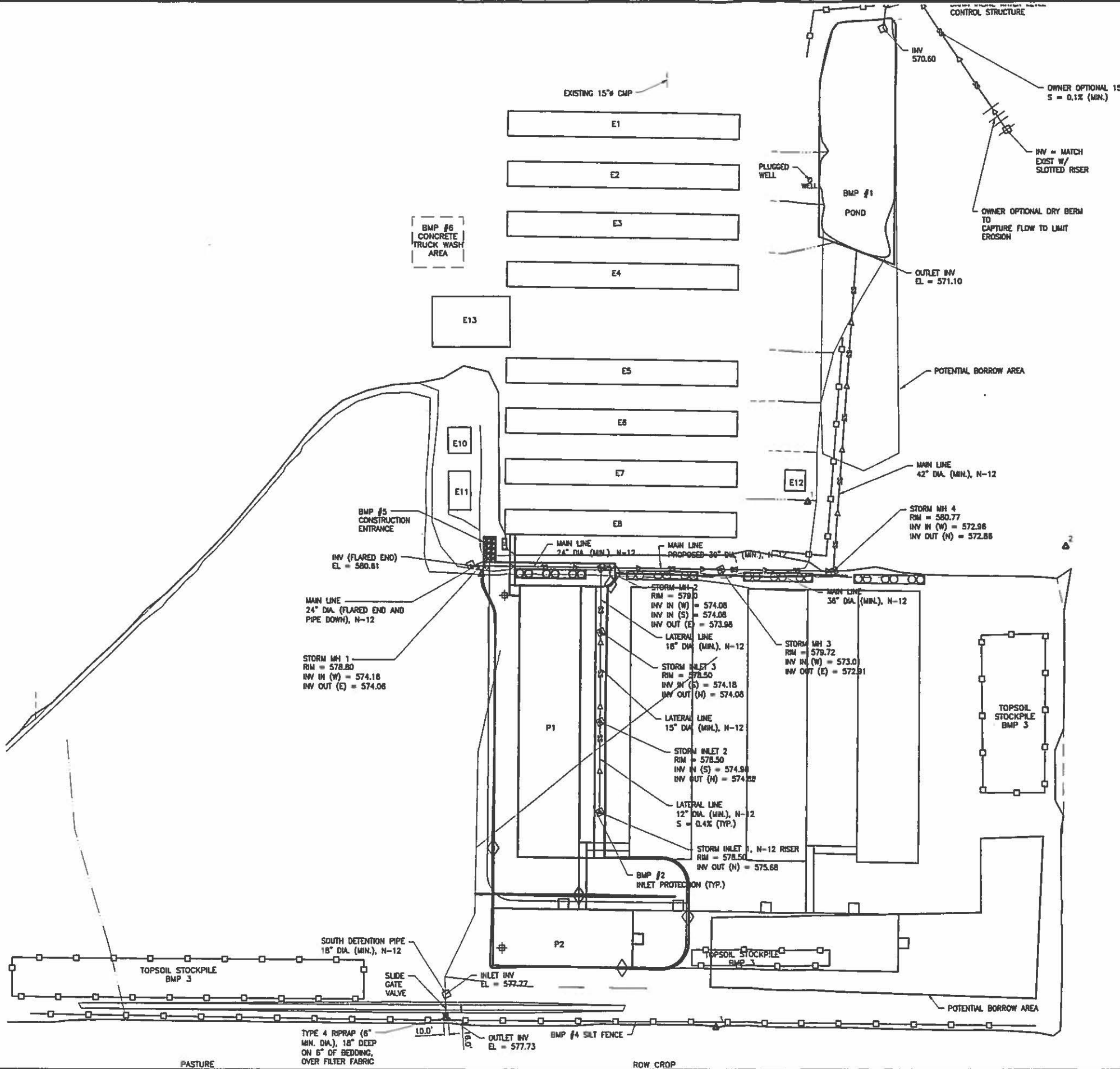
- LEGEND
- 95 — PROPOSED GROUND CONTOUR
 - - - 95 - - - EXISTING GROUND CONTOUR
 - △ TEMPORARY CONTROL POINTS
 - ⊕ SOIL BORING
 - - - CROP LINE
 - PROPOSED SURFACE WATER FL
 - ▸ — PROPOSED STORMWATER PIPE
 - PROPOSED STORMWATER RISER/MANHOLE
 - - - EXISTING CULVERT
 - ⊙ EXTERIOR LIGHTS
 - - - EXISTING DRAINAGE SWALE/FL
 - ▸ — PROPOSED DRAINAGE SWALE/FL
 - FLOW ARROW
 - WELL



SCALE VALID ONLY ON 22"x34" SIZE PLANS

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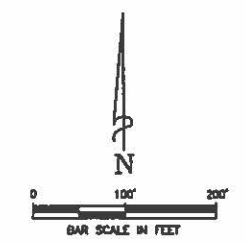
<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	DESCRIPTION				<p>MAURER-STUTZ ENGINEERS SURVEYORS</p> <p>11515 PROGRESS AVE. SUITE 100 FARMINGTON, CT 06030-1151 100 EAST MAIN STREET CANON, MA 01889-0001 FAX: (978) 885-1151 3330 W. CLAYTON AVENUE MANCHESTER, NH 03103-2122 FAX: (603) 883-7415 MAURER-STUTZ INC. IS AN EQUAL OPPORTUNITY EMPLOYER</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">GRADING PLAN</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">EGG LAYER FARM EXPANSION</p>
NO.	DATE	DESCRIPTION						
<p>Client: FARINA FARMS, INC.</p>								
<p>Designed By: TLF/SRH/GCB Drawn By: KDR/NDE Reviewed By: TLF Date: 01 June 2015 Project No.: 23815013.02 Drawing: C103</p>								



ID	DESCRIPTION	ELEVATION
1	5/8" REBAR	579.97
2	5/8" REBAR	582.84
3	5/8" REBAR	582.52

NAD83; NAVD88; FIELD BOOK 521

- LEGEND**
- TEMPORARY CONTROL POINTS
 - WELL
 - SOIL TEST PIT
 - PLANNED SURFACE WATER FLOW
 - PROPOSED ENTRANCE
 - EXISTING FIELD EDGE
 - PROPOSED SILT FENCE
 - PROPOSED STORM WATER PIPE
 - PROPOSED SWALE/FL
 - EXISTING SWALE/FL
 - PROPOSED MANHOLE/RISER WITH PROTECTIX
 - FLARED METAL END SECTION & ROCK LINE PROTECTION



SCALE VALID ONLY ON 22"x34" SIZE PLANS

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

NO.	DATE	DESCRIPTION

MAURER-STUTZ ENGINEERS SURVEYORS
 1114 S. 10th St. Suite 101 | Wausau, WI 54980-3711 | TEL: (715) 848-7111
 1815 W. 10th St. | Wausau, WI 54980-3711 | TEL: (715) 848-7111
 3100 W. Wisconsin Ave. | Wausau, WI 54980-3711 | TEL: (715) 848-7111
 MAURER-STUTZ ENGINEERS SURVEYORS IS AN EQUAL OPPORTUNITY EMPLOYER.

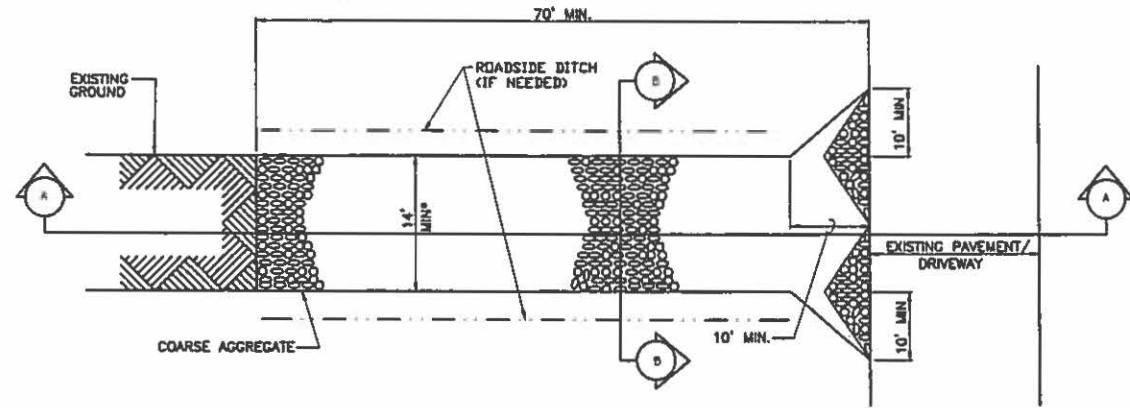
STORM WATER POLLUTION PREVENTION PLAN
 EGG LAYER FARM EXPANSION

FARINA FARMS, INC.

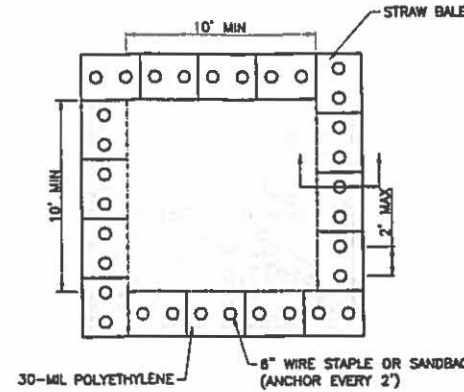
Designed By: TLF/SRH/GCB
 Drawn By: KDR/MDP
 Reviewed By: TLF
 Date: 01 June 2015
 Project No: 23615013.02
 Drawing:

SW101

S:\2015\2015 Projects\23615013.02\23615013.02.dwg 7/24/2015 11:08 AM

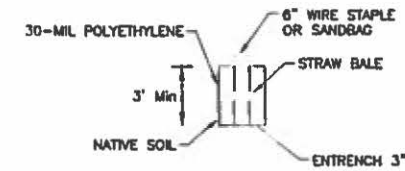


* MUST EXTEND FULL WIDTH OF INGRESS AND EGRESS OPERATION
STABILIZED CONSTRUCTION ENTRANCE DETAIL (PLAN VIEW)
 NOT TO SCALE

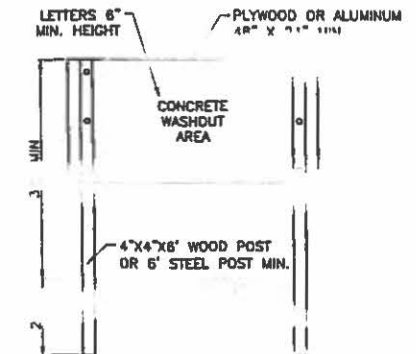


PLAN VIEW

- NOTES:
1. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
 2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.
 3. EACH STRAW BALE IS TO BE STAKED IN PLACE USING (2) 2"x2"x4" WOODEN STAKES.

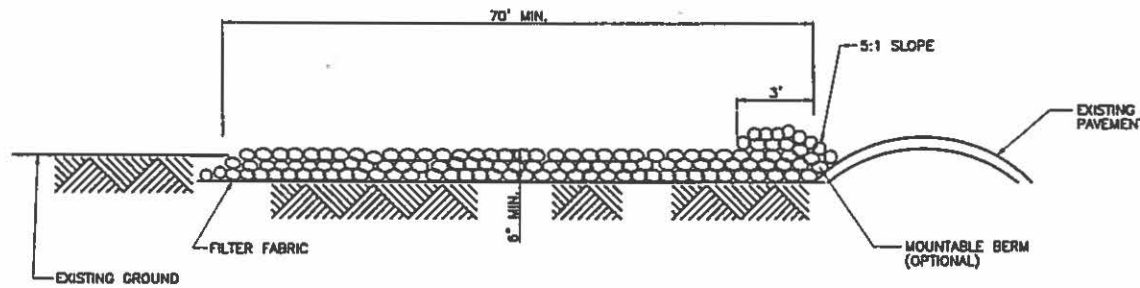


Liner Anchor

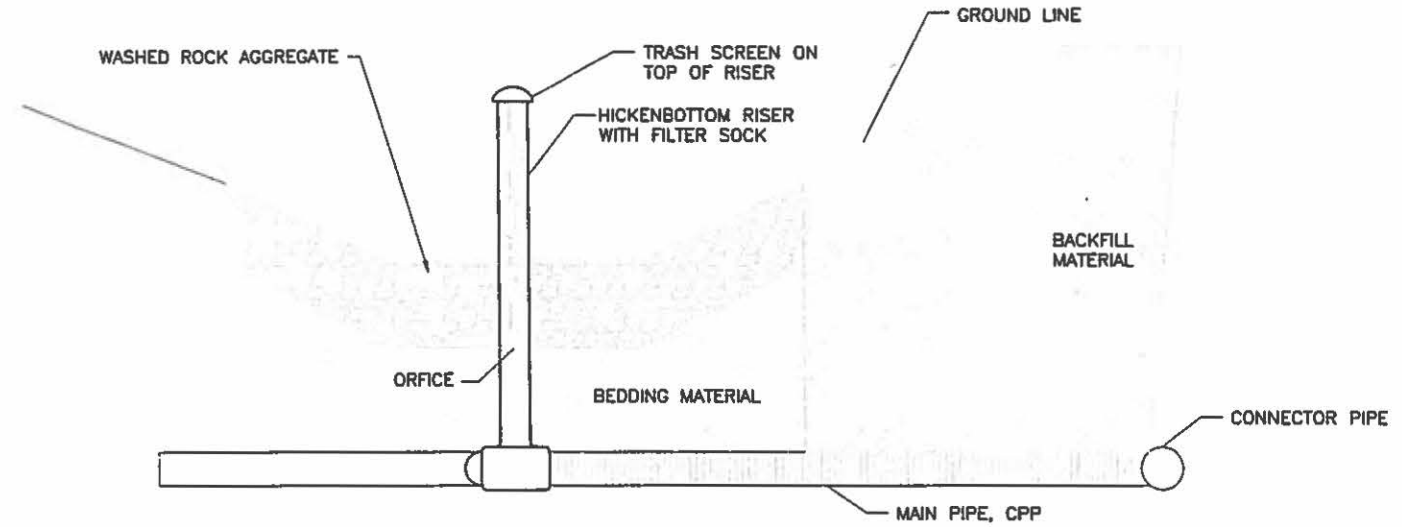


SIGN DETAIL

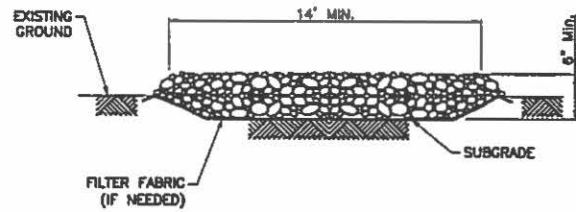
TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE
 NOT TO SCALE



STABILIZED CONSTRUCTION ENTRANCE DETAIL (SECTION A-A)
 NOT TO SCALE



SURFACE INLETS
 NOT TO SCALE



STABILIZED CONSTRUCTION ENTRANCE DETAIL (SECTION B-B)
 NOT TO SCALE

- NOTES:
1. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF ILLINOIS URBAN MANUAL MATERIAL SPECIFICATION 502 GEOTEXTILE, TABLE 1 OR 2, CLASS I, II OR IV AND SHALL BE PLACED OVER THE CLEARED AREA PRIOR TO THE PLACING OF ROCK.
 2. STONE SHALL MEET ONE OF THE FOLLOWING IDOT COARSE AGGREGATE GRADATIONS, CA-1, CA-2, CA-3, OR CA-4 AND BE PLACED ACCORDING TO ILLINOIS URBAN MANUAL CONSTRUCTION SPECIFICATION 25 ROCKFILL USING PLACEMENT METHOD 1 AND CLASS B COMPACTION.
 3. SEE PLANS FOR CONSTRUCTION ROAD LOCATION, D AND W DIMENSIONS.
 4. MINIMUM WIDTH IS 14 FEET FOR ONE-WAY TRAFFIC AND 20 FEET FOR TWO-WAY TRAFFIC. TWO-WAY TRAFFIC WIDTHS SHALL BE INCREASED A MINIMUM OF 4 FEET FOR TRAILER TRAFFIC. DEPENDING ON THE TYPE OF VEHICLE OR EQUIPMENT, SPEED, LOADS, CLIMATIC AND OTHER CONDITIONS UNDER WHICH VEHICLES AND EQUIPMENT OPERATE AN INCREASE IN THE MINIMUM WIDTHS MAY BE REQUIRED.
 5. ROADWAY SHALL FOLLOW THE CONTOUR OF THE NATURAL TERRAIN TO THE EXTENT POSSIBLE.

SURFACE INLET BASIN TABLE				
INLET	RISER #	MAIN PIPE #	MIN. PIPE SLOPE	CONNECTOR PIPES #
MH1	4'	24"	0.2%	N/A
MH2	5'	30"	0.2%	18"
MH3	6'	36"	0.2%	N/A
MH4	7'	42"	0.2%	N/A
MH5	6'	24"	0.1%	15"
INLET 1	12"	12"	0.4%	N/A
INLET 2	12"	15"	0.4%	N/A
INLET 3	12"	18"	0.4%	N/A
INLET 4	12"	18"	0.1%	N/A

SCALE VALID ONLY ON
 22"x34" SIZE PLANS

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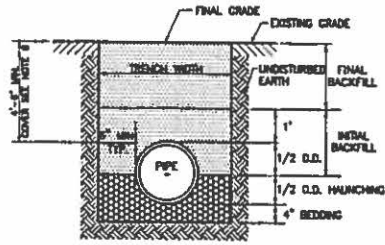
1114 S. CHICAGO STREET, SUITE 100 | P.O. BOX 511004 | CHICAGO, IL 60651-1004 | TEL: (773) 861-1114
 1400 N. LAKE STREET, SUITE 100 | CHICAGO, IL 60642-1000 | TEL: (773) 861-1114
 1400 N. LAKE STREET, SUITE 100 | CHICAGO, IL 60642-1000 | TEL: (773) 861-1114

CONSTRUCTION ENTRANCE, CONCRETE WASHOUT, ROCK CHECK DAM DETAIL

EGG LAYER FARM EXPANSION

FARINA FARMS, INC.

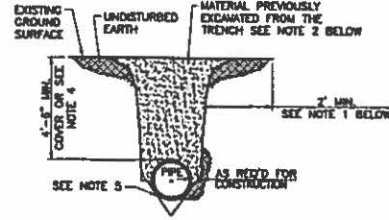
Designed By: TLF/SRH/GCB
 Drawn By: KDR/WDP
 Reviewed By: TLF
 Date: 01 June 2015
 Project No.: 23815013.02
 Drawing: SW502



OPEN TRENCH PIPE INSTALLATION DETAIL
NOT TO SCALE

NOTES:

1. INSTALLATION METHODOLOGIES (INCLUDING EXCAVATION, BEDDING, HAUNCHING, BACKFILL, COMPACTION, DISPOSAL OF SURPLUS MATERIAL, RESTORATION OF ALL DISTURBED SURFACES, ETC.) SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE PROJECT SPECS, SECTION 2990.
2. WHEN THE NEAREST INNER EDGE OF THE SIDEWALL OF THE TRENCH IS DIRECTLY UNDER, OR WITHIN 2' OF AN EXISTING (OR PROPOSED) DRIVEWAY, SLAB ON GRADE OR PERMANENT PAVEMENT STRUCTURE, SELECT GRANULAR BACKFILL, COMPACTION IN PLACE (FINAL BACKFILL) SHALL BE REQUIRED. WHEN THE NEAREST INNER EDGE OF THE SIDEWALL OF THE TRENCH IS NOT DIRECTLY UNDER OR WITHIN 2' OF AN EXISTING (OR PROPOSED) PERMANENT PAVEMENT STRUCTURE, NO SELECT GRANULAR BACKFILL WILL BE REQUIRED (I.E., SOIL MAY BE USED). INITIAL FILL MUST BE CRUMBLES IF EARTH WITH NO CLOGS LARGER THAN 1.5".
3. SELECT GRANULAR BACKFILL, WHERE REQUIRED, SHALL BE COMPACTED IN PLACE IN ACCORDANCE WITH THE PROVISIONS OF THE PROJECT SPECS, SECTION 2990.
4. MATERIAL REQUIREMENTS FOR SELECT GRANULAR BACKFILL SHALL BE IN ACCORDANCE WITH THE STANDARD SPECS, SECTION 2990.
5. PIPE SHALL BE CRADLED WITH HAUNCHING AND BEDDING AT ALL LOCATIONS WITH GRANULAR MATERIAL MEETING THE REQUIREMENTS OF THE SPECS, SECTION 2990. COMPACTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE PROJECT SPECS, SECTION 2990.
6. MINIMUM COVER SHALL BE 2' OR DEEPER AS NEEDED TO PROTECT AGAINST FREEZING.
7. TRENCH WIDTH AT THE PIPE DEPTH SHALL NOT EXCEED THE PIPE DIAMETER PLUS 2 FEET.
8. FOR TRENCHES WITH TWO PIPES, INCREASE THE MINIMUM TRENCH WIDTH BY 6" PLUS THE DIAMETER OF THE SECOND PIPE (I.E. 16" + DIA. OF EACH PIPE).



NARROW TRENCH PIPE INSTALLATION DETAIL
NOT TO SCALE

NOTES:

1. THIS DETAIL SHALL APPLY TO THE INSTALLATION OF PROPOSED PIPE 12" DIA. AND SMALLER IN AREAS THAT ARE LOCATED SUCH THAT THE NEAREST INNER EDGE OF THE SIDEWALL OF THE TRENCH IS NOT DIRECTLY UNDER, OR WITHIN 2' OF AN EXISTING (OR PROPOSED) PERMANENT STRUCTURE, PIPES UNDER OR WITHIN 2' OF STRUCTURES SHALL USE OPEN TRENCH METHOD.
2. MATERIAL WHICH HAS PREVIOUSLY BEEN EXCAVATED FROM THE TRENCH SHALL BE USED FOR BACKFILLING TRENCHES MEETING THE INSTALLATION REQUIREMENTS OF THIS STANDARD DETAIL. HOWEVER, ONLY EARTH CRUMBLES WITH A PARTICLE SIZE OF 1.5" OR LESS SHALL BE USED.
3. INSTALLATION OF THE THERMOPLASTIC PIPE BY A TRENCHING MACHINE WITH PIPE GROOVING SHOE SHALL BE CONSIDERED AN ACCEPTABLE CONSTRUCTION METHODOLOGY FOR PIPE WHOSE HORIZONTAL ALIGNMENTS MEET THE CONDITIONS OF THIS DETAIL.
4. MINIMUM COVER SHALL BE 2' OR DEEPER AS NEEDED TO PROTECT AGAINST FREEZING.
5. TRENCH BOTTOM SHALL BE SEMI-CIRCULAR OR "V" SHAPED TO CLOSELY FIT THE PIPE. TRENCH WIDTH @ THE PIPE, INCLUDING SHALL NOT EXCEED THE PIPE DIAMETER BY MORE THAN 10%.

REVISIONS	
NO.	DATE

MAURER-STUTZ
ENGINEERS SURVEYORS

3118 S. DRISCOLL BLVD. SUITE 100 • FORT WORTH, TEXAS 76104-1418
 1200 EAST WASHINGTON STREET, SUITE 100 • DALLAS, TEXAS 75202
 200 W. CALLE DE ARAGON • AUSTIN, TEXAS 78701

PHONE: 817.335.1111 FAX: 817.335.1112
 TOLL FREE: 1.800.451.1111
 WWW: WWW.MS-SURV.COM

PIPE TRENCH DETAILS

EGG LAYER FARM EXPANSION

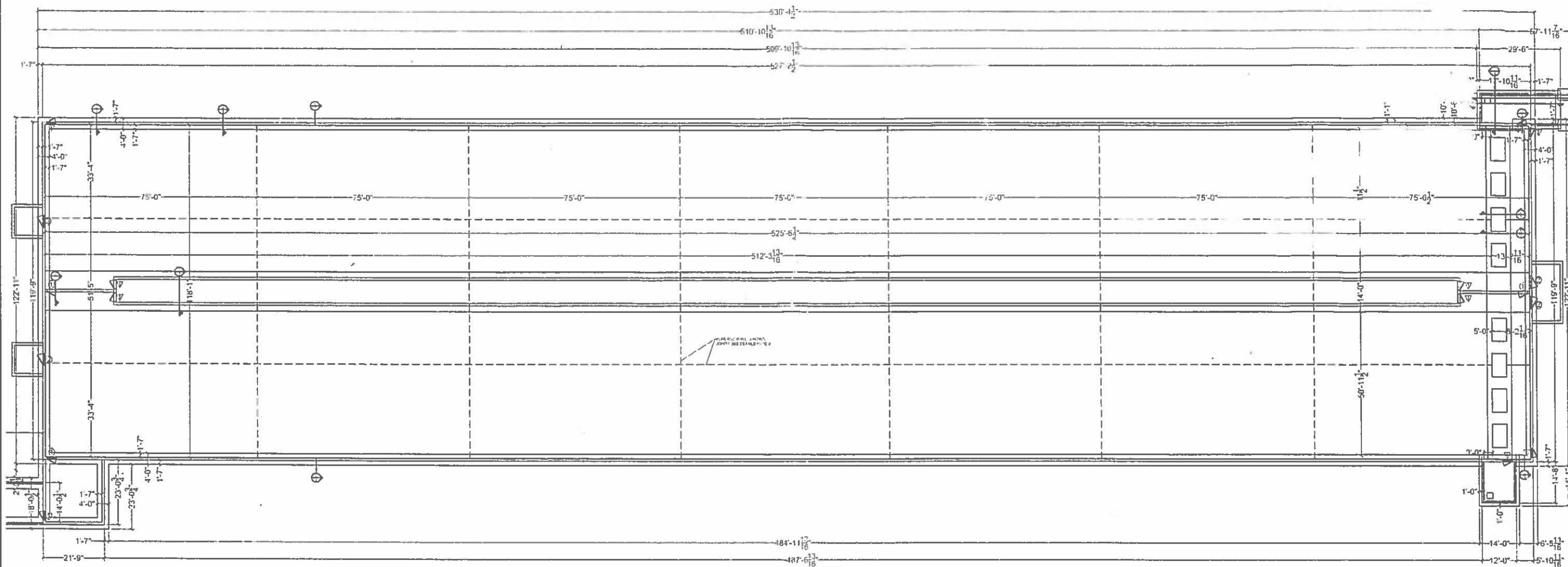
FARINA FARMS, INC.

Designed By: TLF/SRW/GCB
 Drawn By: KDR/MOP
 Reviewed By: TLF
 Date: 11 JULY 2015
 Project No.: 23615013.02
 Drawing: C501

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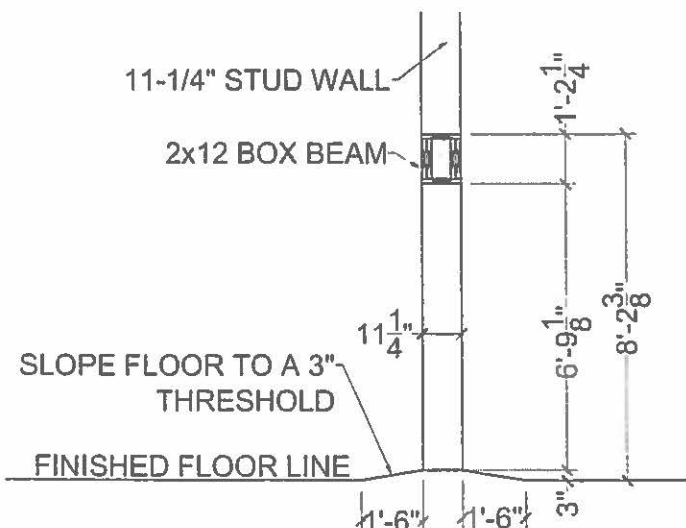


LINE TYPES	
CONTROL JOINTS	---
STEM WALLS	---
FOUNDATION	---
MANURE PIT	---
SLAB	---
EQUIPMENT	---
DIMENSIONS AND TEXT	---

CONCRETE GENERAL NOTES AND SPECIFICATIONS:

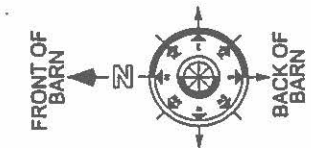
- THIS FOUNDATION PLAN IS DESIGNED FOR LAYER BARN #9 LOCATED AT 8954 SULLIVAN ROAD KINMUNDY, MARION COUNTY, ILLINOIS 62554
- DESIGN LOADS: ROOF LIVE LOAD = 20 PSF SNOW = 30 PSF WIND SPEED = 90 MPH EXPOSURE C. SEISMIC CATEGORY II-1
- ALL FOOTINGS AND SLABS ON GRADE SHALL BE FOUNDED ON NATURAL UNDISTURBED SOIL OR STRUCTURAL FILL MATERIAL PLACED AT 2% OF OPTIMUM MOISTURE CONTENT AND COMPACTED AT LEAST 98% OF STANDARD PROCTOR MAXIMUM DRY DENSITY ASTM C698. SOIL BEARING CAPACITY IS 1400 PSF AS REPORTED BY MAURER-STUTZ ENGINEERS PROJECT FILE J3F5013 02 DATED 6-18-15 SETTLEMENT OF UP TO 1 INCH SHOULD BE EXPECTED WITH 1/2 INCH OF DIFFERENTIAL SETTLEMENT. EVIDENCE OF HIGH WATER TABLE WAS ENCOUNTERED AT ELEVATION 528.8, BUT SEE PAGE 002 NOT OCCUR UNTIL 574.2. FINAL SOIL BEARING PRESSURES AND CONDITIONS SHALL BE VERIFIED IN WRITING BY A GEOTECHNICAL ENGINEER DURING EXCAVATION AND PRIOR TO PLACEMENT OF FOOTINGS. QUALITY OF SOILS OR COMPACTION, DETERMINATION OF FINAL ALLOWABLE BEARING PRESSURES, AND COORDINATION OF FOUNDATION MODIFICATIONS AT THE SITE IS THE SOLE RESPONSIBILITY OF THE BUILDING OWNER.
- CONCRETE FOR FOUNDATIONS SHALL HAVE AN ULTIMATE COMPRESSIVE STRENGTH (F_c) OF 4000 PSI MIN. AT 28 DAYS. USE TYPE III CEMENT.
- CONCRETE FOR FLOOR SLABS AND WALLS SHALL HAVE AN ULTIMATE COMPRESSIVE STRENGTH OF 4000 PSI MIN. 28 DAYS. USE TYPE III CEMENT. REINFORCE SLABS WITH #1 REBAR @ 18" O.C. EACH WAY.
- CONCRETE PEDESTALS AT STEEL BUILDING COLUMNS SHALL BE SIZED TO PROVIDE A MINIMUM OF 3" BEYOND ALL EDGES OF STEEL COLUMNS BASE PLATE.
- REINFORCING SHALL BE ASTM A615 DEFORMED BILLET BARS GRADE 60, LAP 40 BAR DIAMETERS AT SPLICES, INCLUDING CORNERS. EXCEPT LAP TENSION TIE BARS 60 BAR DIAMETERS. TENSION TIE BARS SHALL BE CONTINUOUS BENT AROUND ANCHOR BOLTS UNLESS OTHERWISE APPROVED. APPROVED MECHANICAL BAR SPLICES MAY BE USED IN LIEU OF LAPPED SPLICES. MINIMUM COVER FOR BARS AGAINST EARTH SHALL BE 3"
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE BUILDING CODE ADOPTED BY MARION COUNTY, IL.

1 FOUNDATION LAYOUT



2 DOOR CROSS SECTION

DOOR SCHEDULE		
TAG	DOOR LOCATION SYMBOL	TAG
▽	DOOR 1ST LEVEL	▽
⊞	DOOR 2ND LEVEL	⊞
⊠	DOOR 3RD LEVEL	⊠
⊙	DOOR ALL LEVELS	⊙
⊞	DOOR 1ST & 2ND LEVELS	⊞
QTY.		DOOR TYPE
23	3068 AS3 ALL STEEL	1
12	4068 AS3 ALL STEEL	2
1	3068 ALL STEEL FIRE DOOR	4

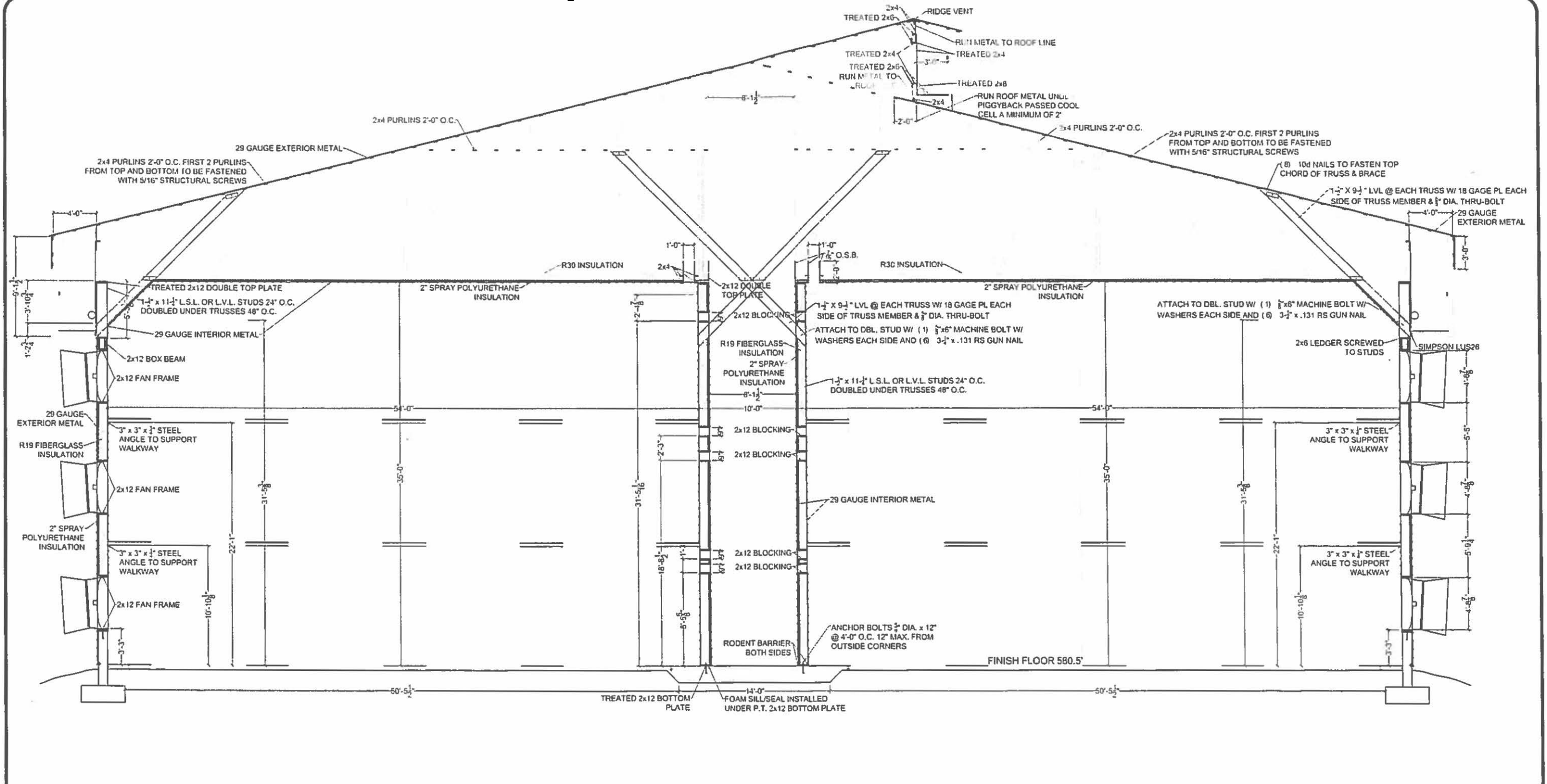


#	REVISION DESCRIPTION	DATE
1	FOR REVIEW	6-18-15
2	DETAILS MODIFIED PER ACI 318	6-30-15

Brandco, Inc.
 331 LAZY ACRES CIR.
 POTTSBORO, TX 75078
 O: 903-786-6285
 F: 903-786-4990

FARINA FARMS INC.
 KINMUNDY, IL
 LAYER 9

15-1067 PAGE: 1
 DRAWINGS PREPARED BY: BRANDCO INC.
 DATE: 6/7/15



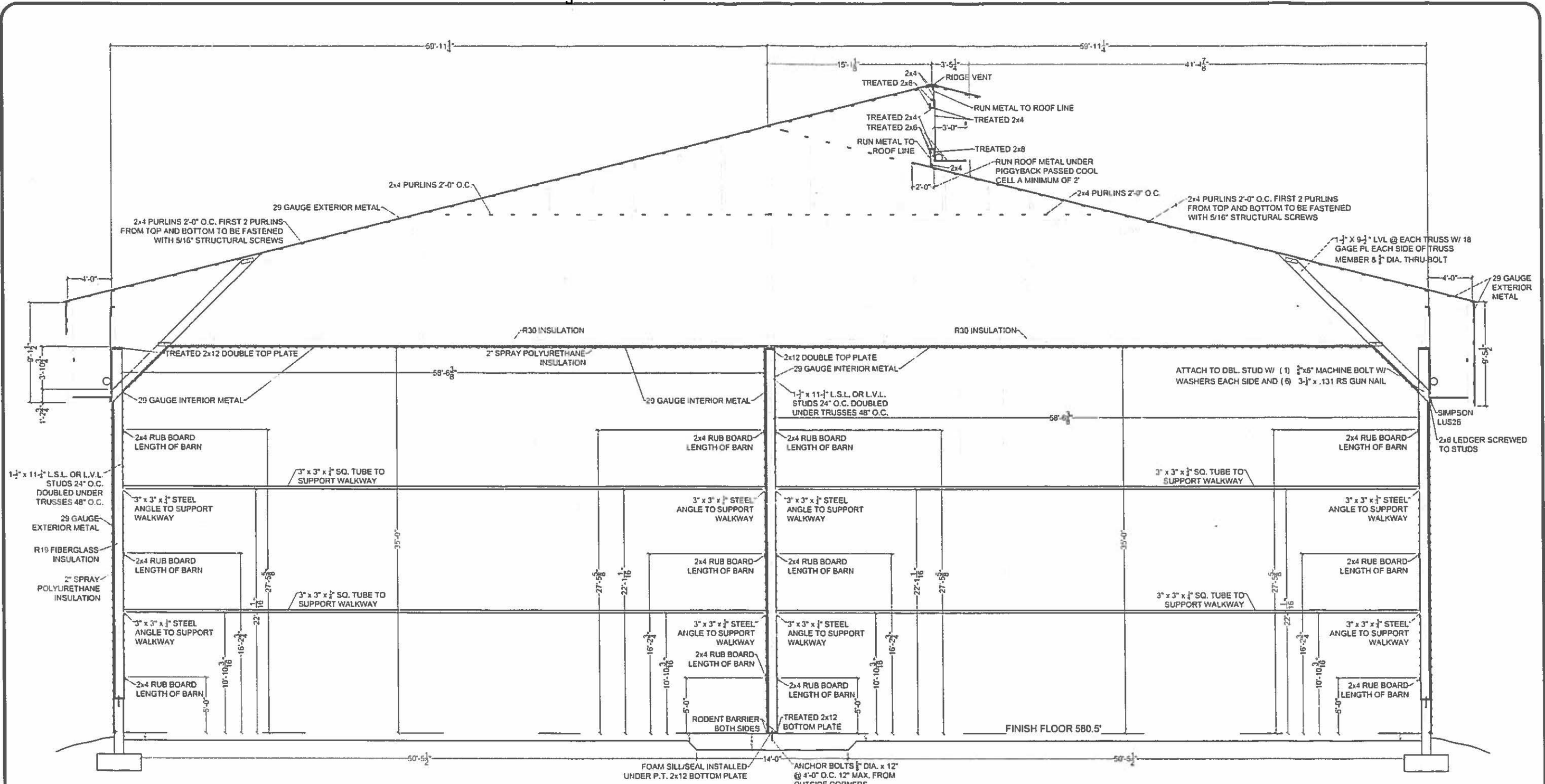
1 CROSS SECTION
1/1-1

#	REVISION DESCRIPTION	DATE
1	FOR REVIEW	6-18-15
2	DETAILS MODIFIED PER ACI 318	6-30-15

Brandco, Inc. 331 LAZY ACRES CIR.
POTTSBORO, TX 75076
O: 903-786-6265
F: 903-786-4990

FARINA FARMS INC.
KINMUNDY, IL
LAYER 9

15-1067 PAGE: 2
DRAWINGS PREPARED BY: BRANDCO, INC.
DATE: 6/7/15



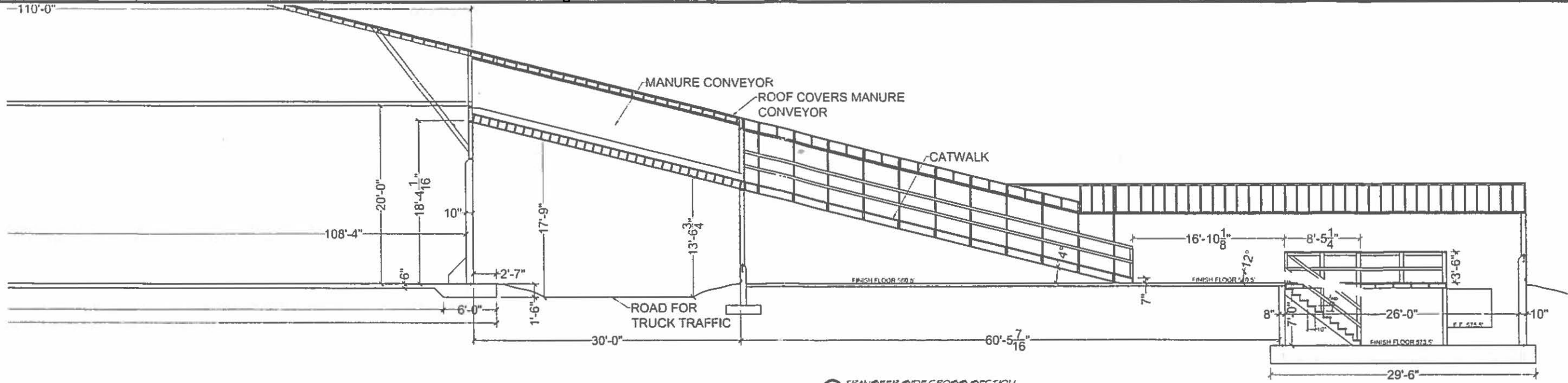
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#	REVISION DESCRIPTION	DATE
1	FOR REVIEW	6-18-15
2	DETAILS MODIFIED PER ACI 318	6-30-15

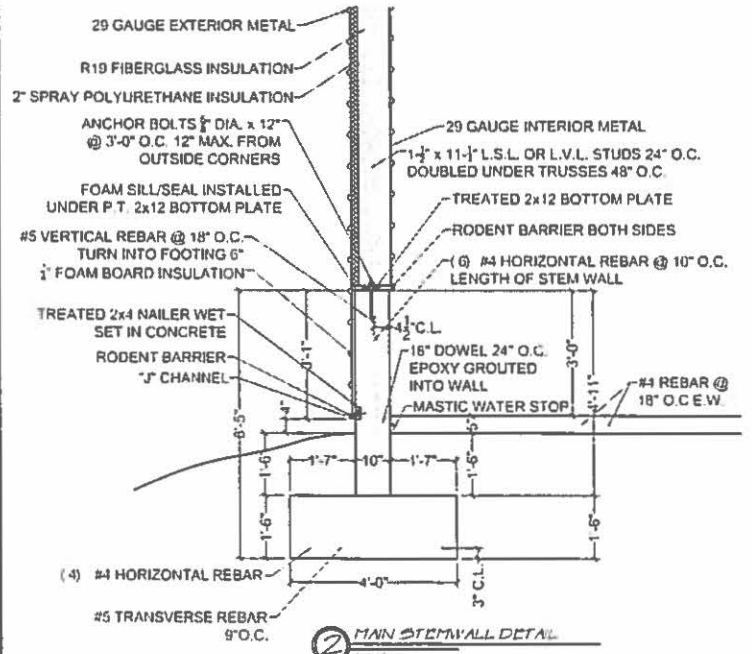

 331 LAZY ACRES CIR.
 POTTSBORO, TX 75076
 O: 903-786-6285
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FARINA FARMS INC.
 KINMUNDY, IL
 LAYER 9

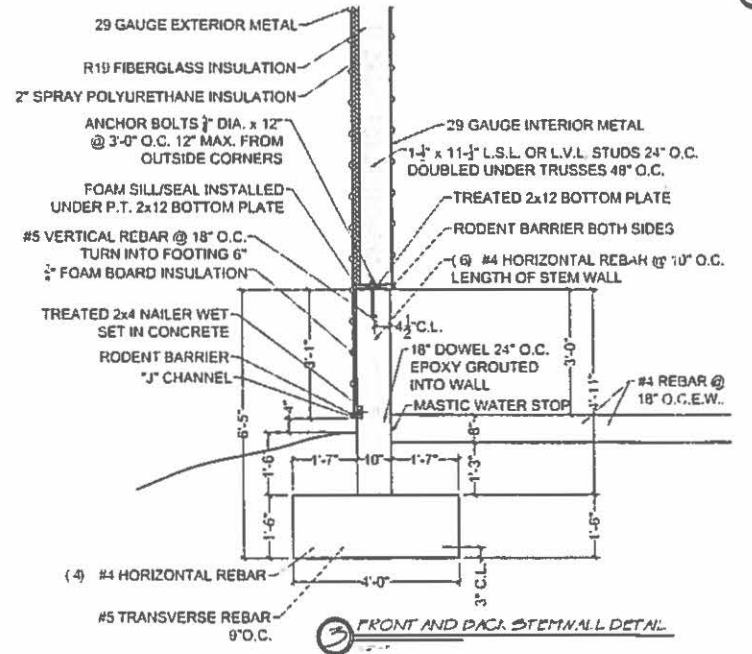
15-106 PAGE: 3
 DRAWINGS PREPARED BY: BRANDCO INC.
 DATE: 6/7/15



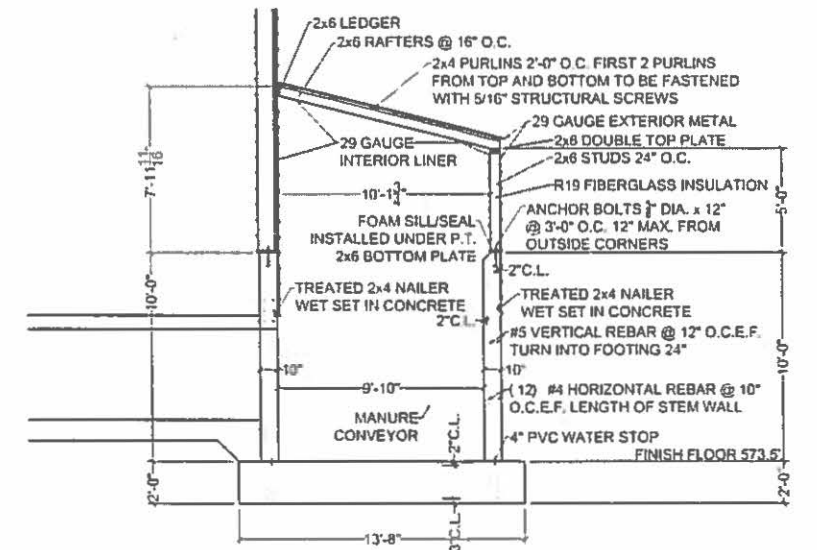
1 TRANSFER SIDE CROSS SECTION



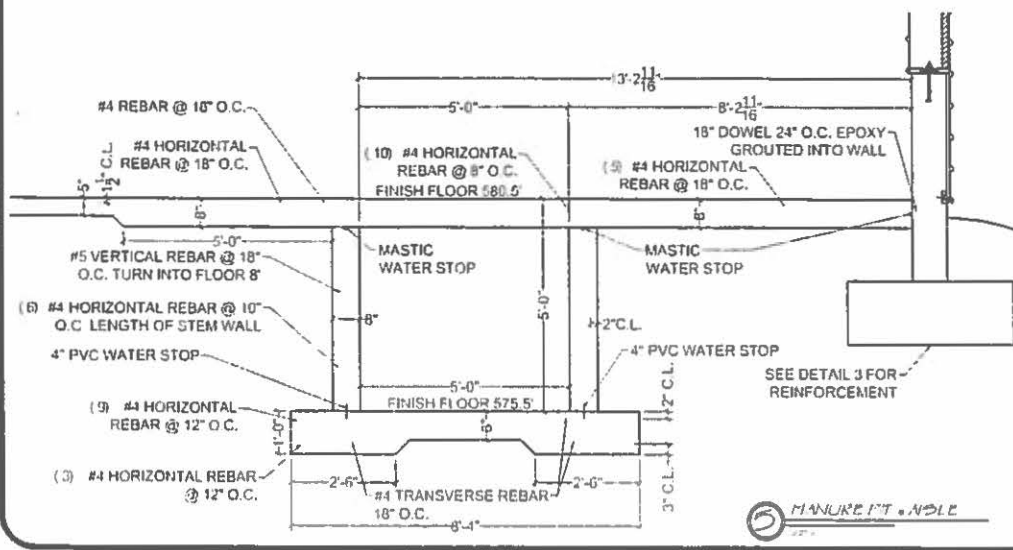
2 MAIN STEM WALL DETAIL



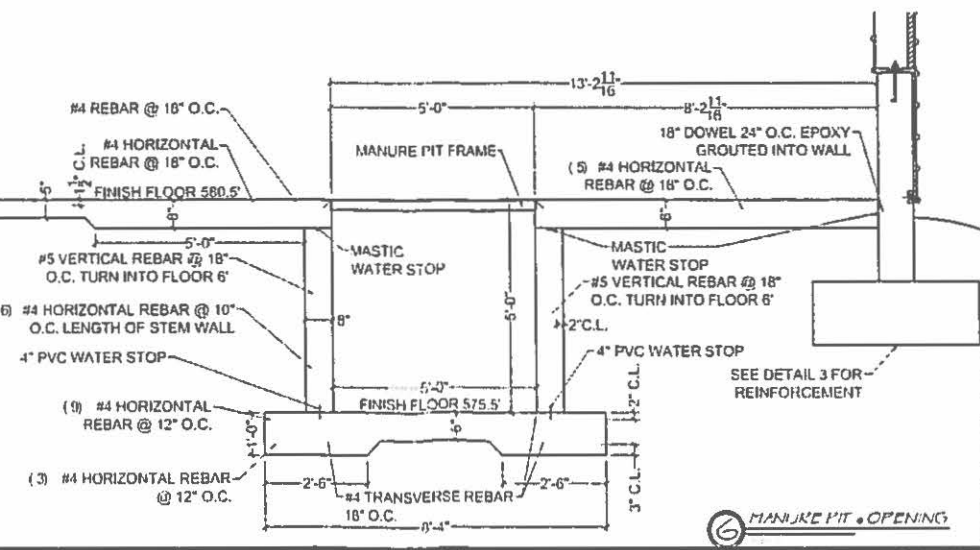
3 FRONT AND BACK STEM WALL DETAIL



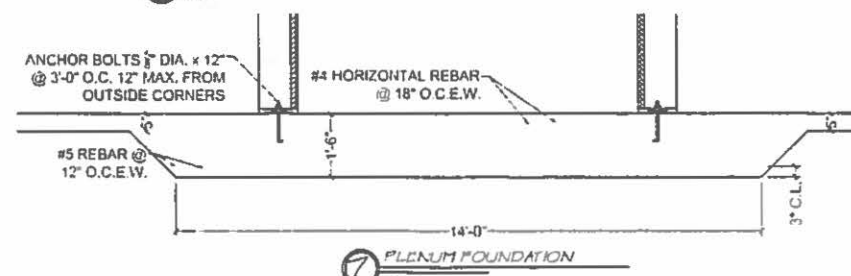
4 TRANSFER CROSS SECTION



5 MANURE PIT - HOLE



6 MANURE PIT - OPENING



7 PLENUM FOUNDATION

#	REVISION DESCRIPTION	DATE
1	FOR REVIEW	6-18-15
2	DETAILS MODIFIED PER ACI 318	6-30-15

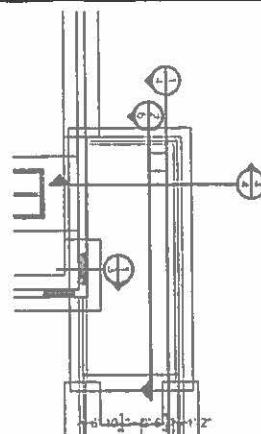
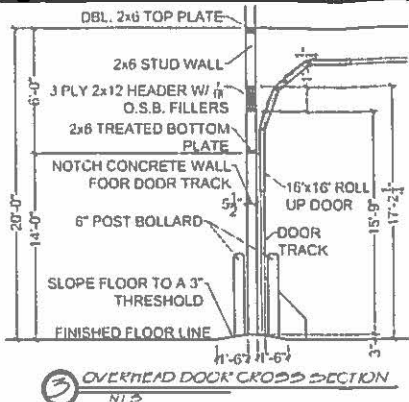
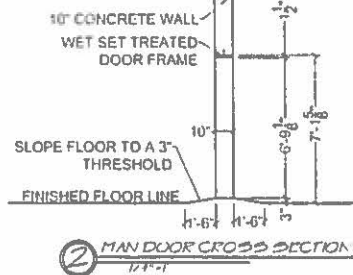
331 LAZY ACRES CIR.
POTTSBORO, TX 75076
O: 903-788-6265
F: 903-788-4990

Brandco, Inc.

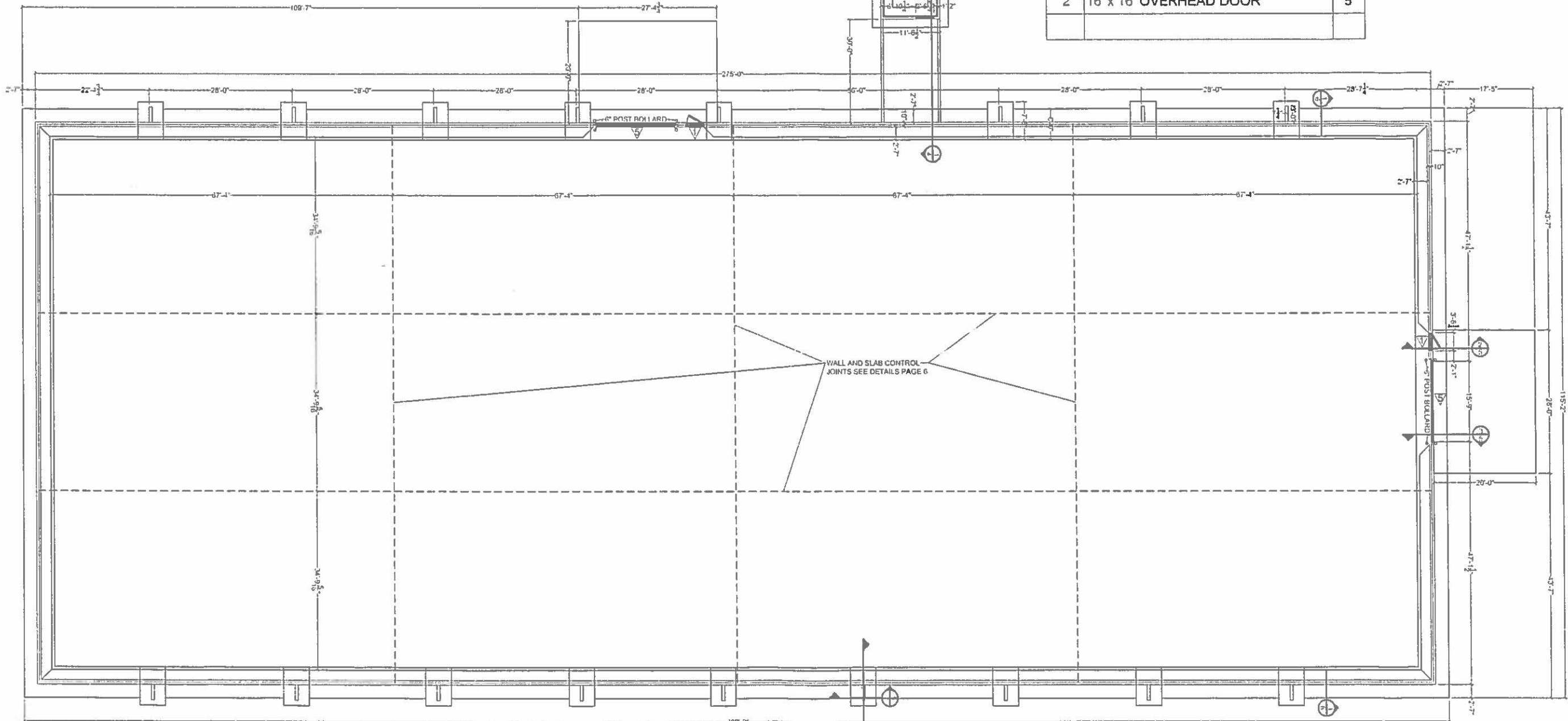
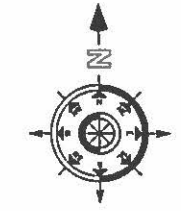
FARINA FARMS INC.
KINMUNDY, IL
LAYER 9

15-1067 PAGE: 4
DRAWINGS PREPARED BY: BRANDCO INC.
DATE 6/7/15

LINE TYPES	
CONTROL JOINTS	---
STEM WALLS	---
FOUNDATION	---
MANURE PIT	---
SLAB	---
EQUIPMENT	---
DIMENSIONS AND TEXT	---



DOOR SCHEDULE		
TAG	DOOR LOCATION SYMBOL	TAG
▽	DOOR 1ST LEVEL	▽
#	DOOR 2ND LEVEL	#
△	DOOR 3RD LEVEL	△
#	DOOR ALL LEVELS	#
QTY.	DOOR TYPE	
2	3068 AS3 ALL STEEL	1
2	16' x 16' OVERHEAD DOOR	5



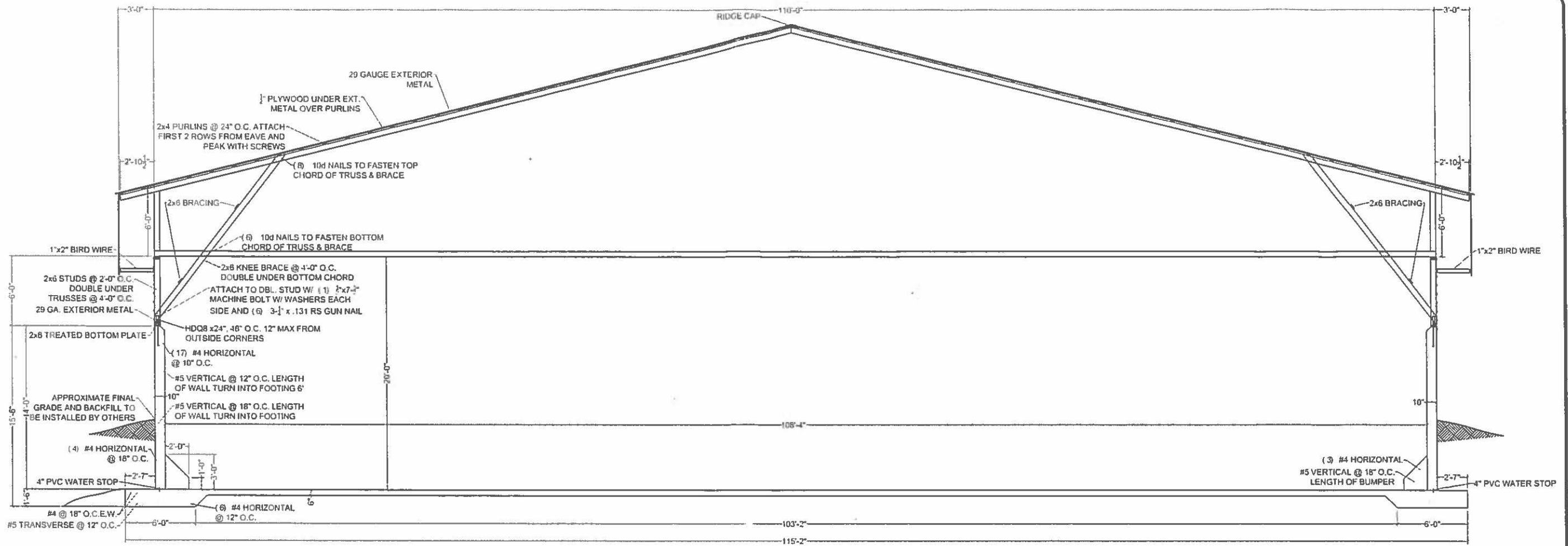
1 MANURE STEM WALL LAYOUT

#	REVISION DESCRIPTION	DATE
1	FOR REVIEW	6-18-15
2	DETAILS MODIFIED PER ACI 318	6-30-15

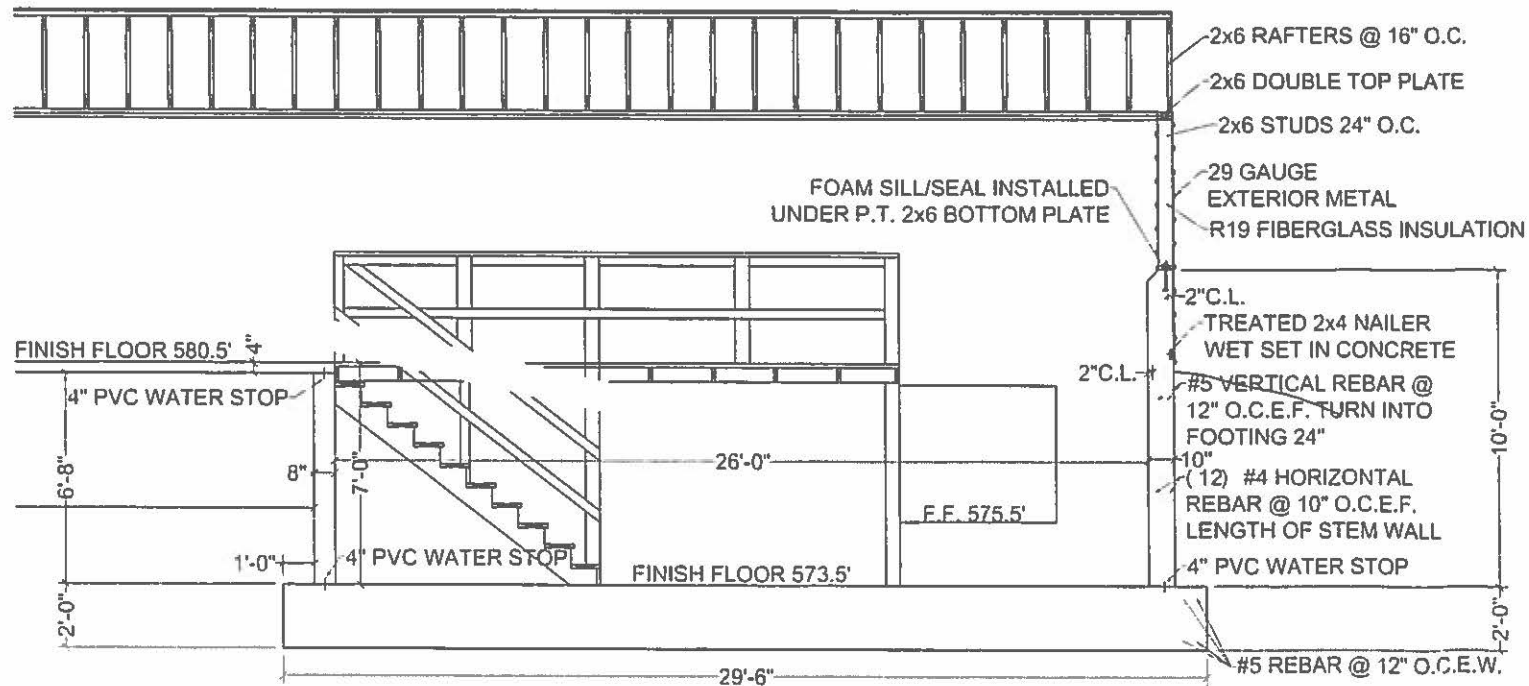
Brandco, Inc. 331 LAZY ACRES CIR.
POTTSBORO, TX 75076
O: 903-786-6285
F: 903-786-4990

FARINA FARMS INC.
KINMUNDY, IL
MANURE BARN

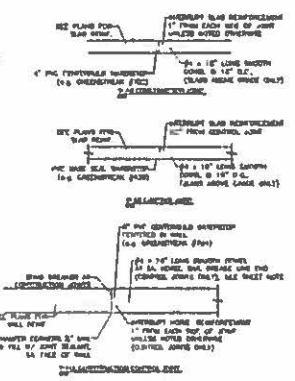
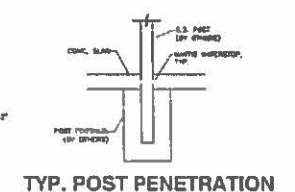
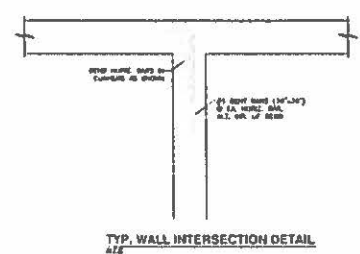
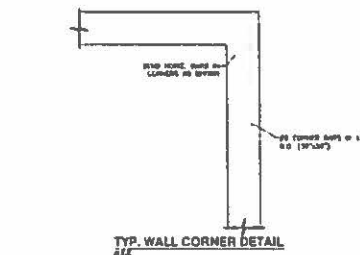
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DATE: 6/7/15



1 MAIN CROSS SECTION



2 TRANSPR SIDE CROSS SECTION



- DETAIL NOTES**
- INSTALL VERTICAL CONSTRUCTION/CONTROL JOINTS IN WALLS OR CURBS TO MATCH SLAB CONSTRUCTION OR CONTROL JOINTS. SEE PLAN VIEWS FOR JOINT SPACING.
 - INTERSECT AND SEAL ("WELD") WATERSTOPS PER MANUFACTURER BETWEEN WALLS AND SLABS TO PROVIDE A CONTINUOUS WATER-TIGHT SEAL AROUND THE TANK.
 - DO NOT EXTEND REINFORCEMENT THROUGH CONTROL JOINTS UNLESS DETAILED OTHERWISE.
 - INSTALL ALL WATERSTOPS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - A PLASTIC SLEEVE MAY BE USED AS AN ALTERNATIVE TO USING A GREASED SMOOTH DOWEL (e.g. GREENSTREAK SPEED DOWEL).

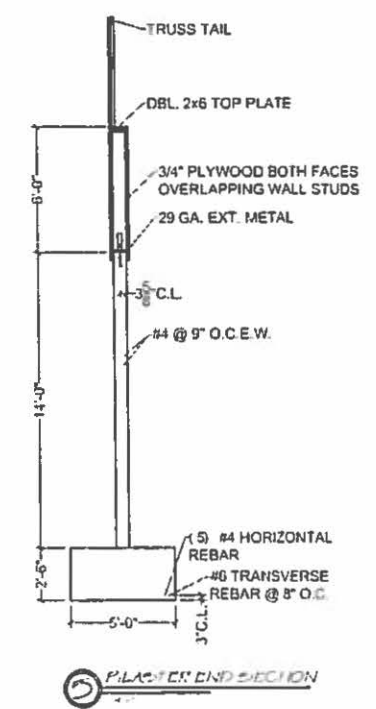
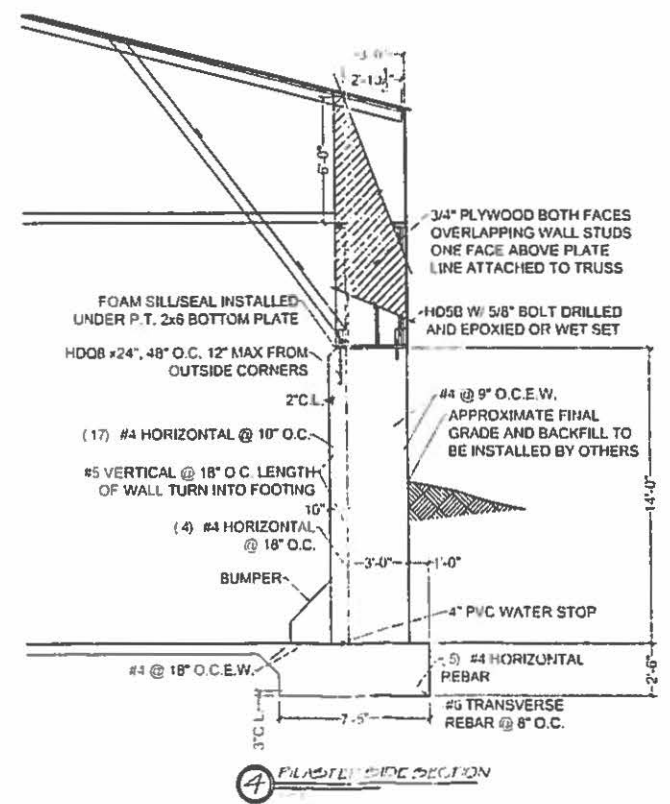
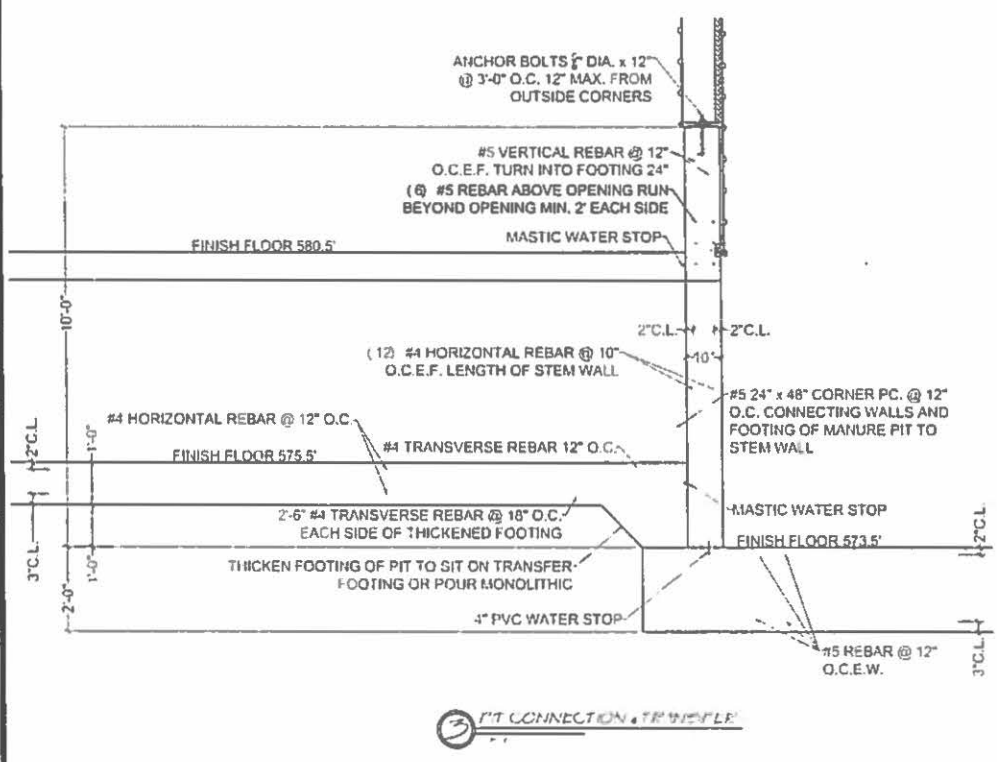
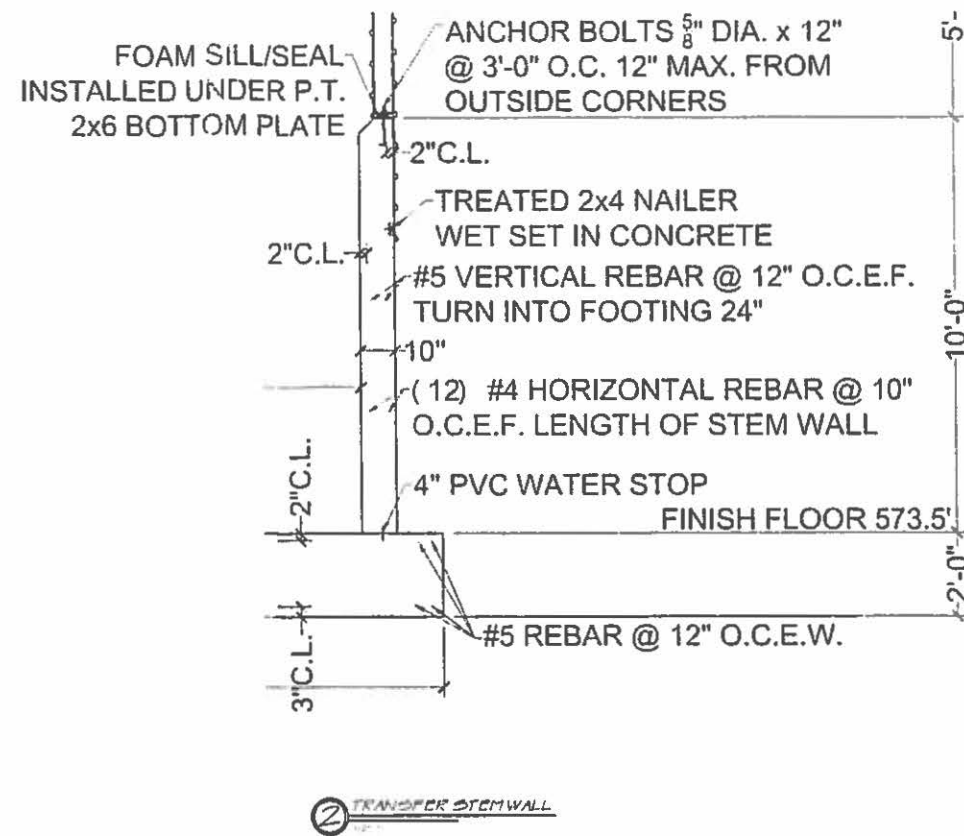
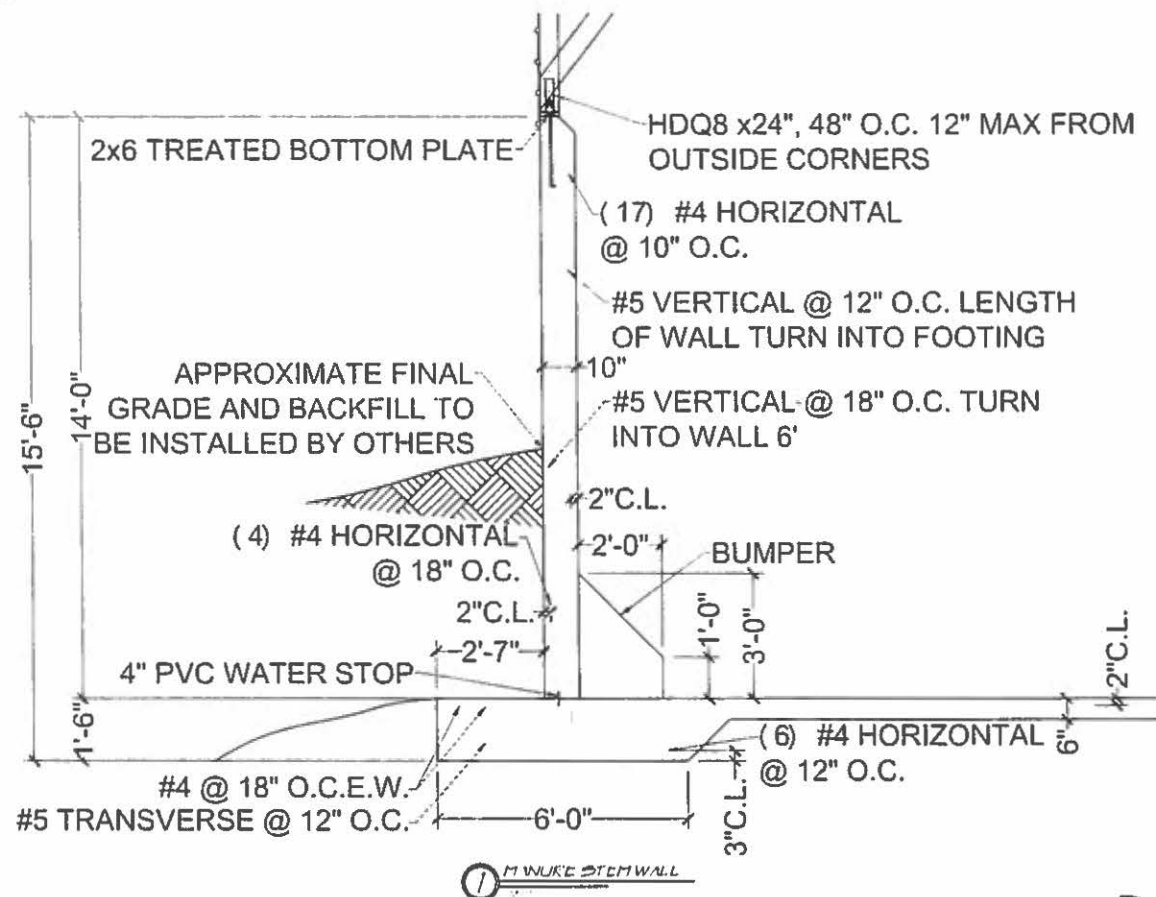
- REINFORCEMENT NOTES**
- REINFORCEMENT BAR LAP SPICES SHALL BE CLASS B SPICES UNLESS NOTED OTHERWISE.
 - a. CLASS A SPICE = 1.0 x l_d
 - b. CLASS B SPICE = 1.3 x l_d
 - WELDED WIRE LAP LENGTHS SHALL BE ONE WIRE SPACE + 2"
 - HORIZONTAL BAR LAP SPICES IN WALLS AND SLABS SHALL BE STAGGERED A MINIMUM THREE FEET SUCH THAT NO MORE THAN EVERY THIRD BAR IS SPICED AT ANY ONE LOCATION.
 - WIRE TIES SHALL BE USED EVERY 12" ALONG A LAP SPICE.
 - REINFORCING STEEL SHALL BE TIED W/ WIRE AT INTERSECTING POINTS WITH OTHER BARS AS NECESSARY TO SECURE AGAINST DISPLACEMENT.
 - ALL REINFORCING STEEL SHALL BE CONNECTED TO FORM AN EQUAL POTENTIAL PLANE PER NEC REQUIREMENTS. USE EMBEDDED CONDUITS ACROSS JOINTS WHERE STEEL IS INTERRUPTED.

#	REVISION DESCRIPTION	DATE
1	FOR REVIEW	6-18-15
2	DETAILS MODIFIED PER ACI 318	6-30-15

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