PLANNING & DEVELOPMENT
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E-mail: planning@scottcountyiowa.com
Office: (563) 326-8643 Fax: (563) 326-8257

Timothy Huey
Director

To: Dee F. Bruemmer, County Administrator

From: Timothy Huey, Planning Director

Date: September 5, 2012

Re: County Master Matrix review and public hearing on the Construction Permit Application of Kent Paustian, dba Paustian Enterprises Ltd. in the NE¼SE¼ Section 19, T79N, R2E (Hickory Grove Township) for an expansion of existing confined animal (hog) feeding operation located at 22444 70th Avenue.

On August 20th the above referenced application was submitted to the Iowa DNR. Scott County has 30 days from that date to submit comments and a recommendation on that application. Notice of the receipt of this application also must be published as a public notice. A public hearing was also set for the Board meeting on September 13th to take comments from the public. Staff has published both the notice of receipt of application and notice of the public hearing.

The State construction permit application submitted by Paustian Enterprises to the Iowa DNR is for a new 154 foot by 85 foot building at an existing hog confinement operation in Hickory Grove Township. The proposed project requires compliance with the standards of the Master Matrix because the proposed building will expand the capacity of the operation. The existing confined animal feeding operation has a capacity of 1,446 animal unit (AU), the proposed new building would add an additional capacity for 390 AU and bring the total animal unit capacity of the operation at this location to 1,836 AU. The 13,090 square foot building will be constructed over an 8 foot deep formed concrete manure storage pit.

The applicant has submitted their scoring for the Master Matrix, which shows sufficient points to meet the requirements of the Iowa DNR. Staff is reviewing the Master Matrix scores and will have a report and recommendation available at the Committee of the Whole meeting.

Planning and Health Department Staff accompanied the IDNR inspector from the Washington, Iowa district office on the inspection of the site last week.

Staff has not, as of yet, received any calls or comments on this request. Staff will include any written comments and a summary of any verbal comments received at the public hearing with the Board's recommendation to the IDNR.

Due to the time constraint of the 30-day time frame given for County review of such applications a resolution approving the County's recommendation of the application will be on the Board's agenda following the public hearing at the Thursday Board meeting.

Please staple check here

Iowa Department of Natural Resources

Construction Permit Application Form

Confinement Feeding Operations

INSTRUCTIONS:

Prior to constructing, installing, modifying or expanding a confinement feeding operation structure[1], answer questions 1-8 on Item 3, Section A (page 2), to determine if a construction permit is required. To calculate the animal unit capacity (AUC) of the operation, complete Table 1 (page 4.) If a construction permit is required, complete the rest of the form, have the owner(s) sign it on pages 5 and 6. Mail to the DNR (see address on page 5) this application form, documents and fees requested in Checklist No. 1 or 2 (pages 10-16). See item 5 (page 5), to determine which checklist to use.

If a construction permit is not needed, some pre-construction requirements may still apply prior to the construction of a formed manure storage structure[2]. See page 5 for additional DNR contact information.

THIS APPLICATION IS FOR:

1. ☐ **A new confinement feeding operation**
2. ☒ **An existing confinement feeding operation** *(answer all of the following questions):*
   a. Facility ID No. (5 digit number): 62367
   b. Date when the operation was first constructed: 1996
   c. Date when the last construction, expansion or modification was completed: 1998.
   (Not needed if the confinement operation has previously received a construction permit from DNR.)
   d. Is this also an ownership change? ☐ Yes. ☒ No.

ITEM 1 – LOCATION AND CONTACT INFORMATION (*See page 17 for instructions and an example*):

A) Name of operation: Sow Unit

Location:	NE	SE	19	79N & 2E	Hickory Grove	Scott
	(1/4 1/4)	(1/4)	(Section)	(Tier & Range)	(Name of Township)	(County)

B) Owner information:

Name: Paustian Enterprises Ltd. Title: Owner

Address: 6520 - 215th St., Walcott, IA 52773

Telephone: 563-284-6814 Fax: _____ Email: mike.paustian@gmail.com

C) Person to contact with questions about this application (if different than owner):

Name: Kent Paustian Title: Owner

Address: 6520 - 215th St., Walcott, IA 52773

Telephone: 563-284-6814 Fax: _____ Email: mike.paustian@gmail.com

☒ Enclose aerial photo or engineering drawing showing the proposed location of the confinement feeding operation structure[1] and all applicable separation distances, as requested in Attachment 1 (pages 11 or 14). See example of aerial photo on pages 18 to 19, at the end of this form.

☐ I manage or am the majority owner of another confinement feeding operation located within 2,500 feet of the proposed site. Please contact the DNR-AFO Program staff at (515) 281-8941 to verify site adjacency requirements.

[1] Confinement feeding operation structure = animal feeding operation structure (confinement building, manure storage structure or egg washwater storage structure) that is part of a confinement feeding operation. Manure storage structures include formed and unformed manure storage structures.

[2] Formed manure storage structure = covered or uncovered concrete or steel tanks, and concrete pits below the building.

ITEM 2 – SITING INFORMATION:

A) Karst Determination: Go to www.IowaDNR.gov select the link to 'Mapping (GIS Interactive)', then check the AFO Siting Atlas. If the site is not located in karst or potential karst, print and enclose the map with the name and location of the site clearly marked. If the site is in karst or potential karst, if you cannot access the map, or if you have questions about this issue, contact a DNR geologist at (515) 242-6848. Check one of the following:

☒ The site is not in karst or potential karst. Include documentation requested in checklist 1 or 2 (pages 10 or 13).

☐ The DNR geologist has verified that the site is in karst. The upgraded concrete standards of 567 IAC 65.15(14)"c" must be used.

B) Alluvial Soils Determination: Go to www.IowaDNR.gov, select the link to 'Mapping (GIS Interactive)', then check the AFO Siting Atlas. If the site is not in potential alluvial soils, print and enclose the map with the name and location of the site clearly marked. If the site is in potential alluvial soils, if you cannot access the map, or if you have questions about this issue, contact a DNR geologist at (515) 242-6848. Check one of the following:

☒ The site is not in alluvial soils. Include documentation requested in checklist 1 or 2 (pages 10 or 13).

☐ The DNR geologist has verified that the site is in alluvial soils. Check one of the following:

- ☐ Not in 100-year floodplain or does not require a floodplain permit. Include correspondence from the DNR.
- ☐ Requires floodplain permit. Include Floodplain Permit.

ITEM 3 – OPERATION INFORMATION:

A) A construction permit is required prior to any of the following:

1. ☐ Constructing or modifying any unformed manure storage structure[3], or constructing or modifying a confinement building that uses an unformed manure storage structure[3].
2. ☒ Constructing, installing or modifying a confinement building or a formed manure storage structure[2] at a confinement feeding operation if, after construction, installation or expansion, the AUC of the operation is 1,000 animal units (AU) or more. This also applies to confinement feeding operations that store manure exclusively in a dry form.
3. ☐ Initiating a change that would result in an increase in the volume of manure or a modification in the manner in which manure is stored in any unformed manure storage structure[3], even if no construction or physical alteration is necessary. Increases in the volume of manure due to an increase in animal capacity, animal weight capacity or AUC up to the limits specified in a previously issued construction permit do not require a new construction permit.
4. ☐ Initiating a change, even if no construction or physical alteration is necessary, that would result in an increase in the volume of manure or a modification in the manner in which manure is stored in a formed manure storage structure[2] if, after the change, the AUC of the operation is 1,000 AU or more. Increases in the volume of manure due to an increase in animal capacity, animal weight capacity or AUC up to the limits specified in a previously issued construction permit do not require a new construction permit.
5. ☐ Constructing or modifying any egg washwater storage structure or a confinement building at a confinement feeding operation that includes an egg washwater storage structure.
6. ☐ Initiating a change that would result in an increase in the volume of egg washwater or a modification in the manner in which egg washwater is stored, even if no construction or physical alteration is necessary. Increases in the volume of egg washwater due to an increase in animal capacity, animal weight capacity or AUC up to the limits specified in a previously issued construction permit do not require a new construction permit.
7. ☐ Repopulating a confinement feeding operation if it was closed for 24 months or more and if any of the following apply:
   1. ☐ The confinement feeding operation uses an unformed manure storage structure[3] or egg washwater storage structure;
   2. ☐ The confinement feeding operation includes only confinement buildings and formed manure storage structures[2] and has an AUC of 1,000 AU or more.
8. ☐ Installing a permanent manure transfer piping system, unless the department determines that a construction permit is not required.

[3] Unformed manure storage structure = covered or uncovered anaerobic lagoon, earthen manure storage basin, aerobic earthen structure.

B) In your own words, describe in detail, the proposed construction, expansion, installation, modification or repair being proposed in this project. Attach additional pages if necessary:

The propsed construction is an expansion of the existing sow farm. The new building will be 153' 6" x 85' 4" with an 8ft deep pit for manure storage and will be primarily used for developing replacement gilts.

We currently do this off site, but want to improve biosecurity. 3 gilt rooms with 200 head each, 292 hd stall & gilt pen area and 4 extra pens.

C) Master Matrix *(must check one)*. If any of boxes 1 to 3 are checked, the operation is required to be evaluated with the master matrix if the county, where the confinement feeding operation structure[1] is or would be located, has adopted a 'Construction Evaluation Resolution' (CER). Select the one that best describes your confinement feeding operation:

1. ☐ A new confinement feeding operation proposed in a county that has adopted a CER.
2. ☐ An existing operation constructed on or after April 1, 2002, in a county that has adopted a CER.
3. ☒ An existing operation constructed prior to April 1, 2002, with a current or proposed AUC of 1,667 AU or more, in a county that has adopted a CER.
4. ☐ None of the above. Therefore, the master matrix evaluation is not required.

D) Qualified Operation *(must check one)*. If any of boxes 1 to 4 are checked, the operation is also a 'qualified operation'. A qualified operation is required to use a manure storage structure that employs bacterial action which is maintained by the utilization of air or oxygen, and which shall include aeration equipment. However, this requirement does not apply if box 5 is checked. Select the one that best describes your confinement feeding operation:

1. ☐ A swine farrowing and gestating operation with an AUC of 2,500 AU or more.
2. ☐ A swine farrow-to-finish operation with an AUC of 5,400 AU or more.
3. ☐ A cattle confinement feeding operation (including dairies) with an AUC of 8,500 AU or more.
4. ☐ Other confinement feeding operations with an AUC of 5,333 AU or more.
5. ☒ This is not a qualified operation because:
   a. ☒ It is below the limits shown on boxes 1 to 4.
   b. ☐ It includes a confinement feeding operation structure[1] constructed prior to May 31, 1995.
   c. ☐ It handles manure exclusively on a dry form.

ITEM 4 – ANIMAL UNIT CAPACITY (AUC) and, if applicable, ANIMAL WEIGHT CAPACITY (AWC):

A) Calculating AUC – Required for all operations

For each animal species, multiply the maximum number of animals that you would ever confine at one time by the appropriate factor, then add all AU together on Table 1 (page 4). Use the maximum market weight for the appropriate animal species to select the AU factor.

You must complete all applicable columns in Table 1. Use column a) to calculate the existing AUC, before permit for existing operations only. Use column b) to calculate the 'Total proposed AUC' (after a permit is issued) including new operations. The number obtained in column b) is the AUC of the operation and must be used to determine permit requirements. Use column c) to calculate the 'New AU' to be added to an existing operation. To calculate the indemnity fee (see page 7), also use column c), however, if the "Existing AUC" (column a) is 500 AU or less, enter the "Total proposed AUC" (column b) in the "New AU" (column c).

In calculating the AUC of a confinement feeding operation, you must include the AUC of all confinement buildings which are part of the confinement feeding operation, unless a confinement building has been abandoned. A confinement feeding operation structure[1] is abandoned if the confinement feeding operation structure[1] has been razed, removed from the site of a confinement feeding operation, filled in with earth, or converted to uses other than a confinement feeding operation structure[1] so that it cannot be used as a confinement feeding operation structure[1] without significant reconstruction. Therefore, in Table 1, enter the animal unit capacity of all the confinement buildings, including those that are from an "adjacent" operation located within 2,500 feet. For more information, contact the AFO Program at (515) 281-8941.

Table 1. Animal Unit Capacity (AUC): **(No. HEAD) x (FACTOR) = AUC**

Animal Species	a) Existing AUC (Before permit)			b) Total Proposed AUC (After permit)		
	(No. Head)	x (Factor)	= AUC	(No. Head)	x (Factor)	= AUC
Slaughter or feeder cattle		1.0			1.0	
Immature dairy cattle		1.0			1.0	
Mature dairy cattle		1.4			1.4	
Gestating sows	808	0.4	323	808	0.4	323
Farrowing sows & litter	147	0.4	59	187	0.4	75
Boars	19	0.4	8	22	0.4	9
Gilts	2663	0.4	1065	972	0.4	389
Finished (Market) hogs		0.4		2600	0.4	1040
Nursery pigs 15 lbs to 55 lbs		0.1			0.1	
Sheep and lambs		0.1			0.1	
Horses		2.0			2.0	
Turkeys 7lbs or more		0.018			0.018	
Turkeys less than 7 lbs		0.0085			0.0085	
Broiler/Layer chickens 3 lbs or more		0.01			0.01	
Broiler/Layer chickens less than 3 lbs		0.0025			0.0025	

Note: If the "Existing AUC" (column a) is 500 AU or less, enter the "Total proposed AUC" (column b) in the "New AU" (column c)

TOTALS: **a) Existing AUC:** 1446 **b) Total proposed AUC:** 1836 *(This is the AUC of the operation)*

c) New AU = b) - a): 390

B) Calculating AWC - Only for operations first constructed prior to March 1, 2003

The AWC is needed for an operation that was first constructed prior to March 1, 2003, to determine some of the minimum separation distance requirements for construction or expansion.

The AWC is the product of multiplying the maximum number of animals that you would ever confine at any one time by their average weight (lbs) during the production cycle. Then add the AWC if more than one animal species is present (examples on how to determine the AWC are provided in 567 IAC 65.1(455B).)

If the operation was first constructed prior to March 1, 2003, you must complete all applicable columns in Table 2:

Table 2. Animal Weight Capacity (AWC): **(No. head) * (Avg. weight, lbs) = AWC, lbs**

Animal Species	a) Existing AWC (Before Permit)			b) Proposed AWC (After permit)		
	(No. head) x	avg weight	= AWC	(No. head) x	avg weight	= AWC
Slaughter or feeder cattle						
Immature dairy cattle						
Mature dairy cattle						
Gestating sows	808	375	303000	808	375	303000
Farrowing sows & litter	147	375	55125	187	375	70125
Boars	19	350	6650	22	350	7700
Gilts	2663	200	532600	936	200	187200
Finished (Market) hogs				2600	150	390000
Nursery pigs 15 lbs to 55 lbs						
Sheep and lambs						
Horses						
Turkeys 7lbs or more						
Turkeys less than 7 lbs						
Broiler/Layer chickens 3 lbs or more						
Broiler/Layer chickens less than 3 lbs						

TOTALS: **a) Existing AWC:** 624675 **b) Total proposed AWC:** 685325 *(This is the AWC of the operation)*

c) New AWC = b) - a): 60650

ITEM 5 – SUBMITTAL REQUIREMENTS Checklists No. 1 or 2 (pages 10-16) describe the submittal requirements, which are based on the type of confinement feeding operation structure[1] and AUC proposed. To determine which checklist to use, choose the option that best describes your confinement feeding operation:

A) ☐ **Formed manure storage structures[2]**: The proposed confinement feeding operation structure[1] will be or will use a formed manure storage structure[2]. Check one of the following boxes:

1. ☐ A swine farrowing and gestating operation with an AUC of 1,250 AU or more. Use submittal checklist No. 2 (page 13.)
2. ☐ A swine farrow-to-finish operation with an AUC of 2,750 AU or more. Use submittal checklist No. 2 (page 13.)
3. ☐ A cattle confinement feeding operation (including dairies) with an AUC of 4,000 AU or more. Use submittal checklist No. 2 (page 13.)
4. ☐ Other confinement feeding operations with an AUC of 3,000 AU or more. Use submittal checklist No. 2 (page 13.)
5. ☒ None of the above. Use Submittal Checklist No. 1 (page 10.)

If any of boxes 1 to 4 are checked, the operation meets the threshold requirements for an engineer[4] and a Professional Engineer (PE), licensed in Iowa, is required. For these cases, use Submittal Checklist No. 2 (pages 13-15.)

If you checked box 5, your operation is below threshold requirements for an engineer[4] and a Professional Engineer (PE) is not required. Use Submittal Checklist No. 1 (pages 10-12).

B) ☐ **Unformed manure storage structure[3]**: The proposed confinement feeding operation structure[1], will be or will use an unformed manure storage structure[3] or an egg washwater storage structure. A Professional Engineer (PE) licensed in Iowa must design and sign the engineering documents for any size of operation. Use Submittal Checklist No. 2 (pages 13-15) and Addendum "A" (page 16).

ITEM 6 – SIGNATURE:

I hereby certify that the information contained in this application is complete and accurate.

Signature of Owner(s): Pansteen Enterprises Ltd. Date: 8-7-12

By Kent Pansteen Pres

MAILING INSTRUCTIONS:

To expedite the application process, follow the submittal requirements explained in Checklist No. 1 or 2 (pages 10 to 16), whichever applies. Page 1 of this form should be the first page of the package. Mail all documents and fees to:

Iowa DNR
AFO Program
502 East 9th St.
Des Moines, IA 50319-0034

(Note: Incomplete applications will be returned to the sender. Application documents submitted to the Field Office will delay the application process).

Questions

Questions about construction permit requirements or regarding this form should be directed to an engineer of the animal feeding operations (AFO) Program at (515) 281-8941 or go to http://www.iowadnr.gov (select the link to "Animal Feeding Operations"). To contact the appropriate DNR Field Office, go to http://www.iowadnr.gov/fo/index.html.

[4] Threshold requirements for an engineer apply to the construction of a formed manure storage structure[2]. Operations that meet or exceed the threshold requirements for an engineer, are required to submit engineering documents signed by a professional engineer licensed in the state of Iowa. Please refer to Checklist No. 2 (pages 13 to 15.)

Construction Permit Application Package
Paustian Enterprises, Ltd. – Sow Farm

Contents

ITEM 7

Interested Parties Form
Confinement Feeding Operation

Interest means ownership of a confinement feeding operation as a sole proprietor or a 10 percent or more ownership interest held by a person in a confinement feeding operation as a joint tenant, tenant in common, shareholder, partner, member, beneficiary or other equity interest holder. Ownership interest is an interest when it is held either directly or indirectly through a spouse or dependent child, or both.

INSTRUCTIONS:

Please list all persons (including corporations, partnerships, etc.) who have an interest in any part of the confinement feeding operation covered by this permit application.

Full Name	Address	City/State	Zip
Mike Paustian	22225 70th Ave.	Walcott/IA	52773
Amy Paustian	22225 70th Ave.	Walcott/IA	52773
Kent Paustian	6520 215th St.	Walcott/IA	52773
Marcia Paustian	6520 215th St.	Walcott/IA	52773
Ross Paustian	389 W. Parkview Dr.	Walcott/IA	52773
Carol Paustian	389 W. Parkview Dr.	Walcott/IA	52773
Carolyn Paustian	P.O. Box 459	Walcott/IA	52773

For each name above, please list below all other confinement feeding operations in Iowa in which that person has an interest. Check box "**None**", below, if there are no other confinement feeding operations in Iowa in which the above listed person has an interest.

Operation Name	Location (1/4 1/4, 1/4, Section, Tier, Range, Township, County)	City
☐ **None** [There are no other confinements in Iowa in which the above listed person(s) has or have an interest].		
Home Farm	SW NE 30 79N 2E Hickory Grove, Scott	Walcott
Stender Farm	NW NE 20 79N 2E Hickory Grove, Scott	Walcott

I hereby certify that the information provided on this form is complete and accurate.

Signature of Owner(s): Paustian Enterprises LLC Date: 8-7-12

By Kent Paustian

ITEM 8

Manure Storage Indemnity Fee Form for Construction Permits

CASHIER'S USE ONLY
0474-542-474A-0431
Facility ID #
County

Credit fees to: Paustian Enterprises, Ltd.

Name of operation: Sow Unit/Ross

NSTRUCTIONS:

1) Use the 'Total Proposed AUC' from column b), Table 1 (page 4), to select the appropriate fee line in the table below. The 'Total Proposed AUC' is the AUC of the operation.

2) Select the animal specie and row number (see examples). Enter the 'New AU' from column c), Table 1 (page 4). The 'New AU' is the number of AU to be added to an existing operation or being proposed with a new operation. **Note**: If the "Existing AUC" (column a) is 500 AU or less, enter the "Total proposed AUC" (column b) in "New AU" (column c).

3) Multiply the 'New AU' by the appropriate 'Fee per AU'. The resulting number is the indemnity fee due.

- **Example 1**: An existing swine operation is expanding from an 'Existing AUC' of 1,000 AU to a 'Total Proposed AUC' of 1,800 AU, and has previously paid an indemnity fee for the existing 1,000 AU. Calculate the indemnity fee as follows: The 'Total Proposed AUC' is between 1,000 AU and 3,000 AU; the animal specie is other than poultry; enter 800 AU in the 'New AU' column, row 4, and multiply it by $ 0.15:
  (800 AU) x ($ 0.15 per AU) = $ 120.00

- **Example 2**: An existing poultry operation is expanding from an 'Existing AUC' of 250 AU to a 'Total Proposed AUC' of 2,000 AU and has not paid the indemnity fee for animals housed in the existing buildings. Calculate the indemnity fee as follows: The 'Total Proposed AUC' is between 1,000 AU and 3,000 AU; the animal specie is poultry and the indemnity fee has not previously been paid, enter 2,000 AU in the 'New AU' column on row 3, and multiply it by $0.06:
  (2,000 AU) x ($ 0.06 per AU) = $ 120.00

- **Example 3**: If you are proposing a new swine confinement feeding operation with a 'Total Proposed AUC' of 3,500 AU, enter 3,500 AU in the 'New AU' column, row 6 and multiply it by $ 0.20:
  (3,500 AU) x ($ 0.20 per AU) = $ 700.00

- **Example 4**: If you are applying for a construction permit but you are not increasing the AUC of the operation, and has previously paid the applicable indemnity for the animals housed in the existing buildings, there is no indemnity fee due ($ 0.00). If no indemnity fee is due, do not submit this page.

Indemnity Fee Table:

Total Proposed AUC - (After permit) from column b), Table 1	Row	Animal species	New AU - from column c), Table 1	x	Fee per AU		Indemnity Fee
Less than 1,000 AU	1	Poultry		x	$ 0.04	=	
	2	Other		x	$ 0.10	=	
1,000 AU or more to less than 3,000 AU	3	Poultry		x	$ 0.06	=	
	4	Other	390	x	$ 0.15	=	58.50
3,000 AU or more	5	Poultry		x	$ 0.08	=	
	6	Other		x	$ 0.20	=	

ITEM 8 (Cont.)

Filing Fees Form for Construction Permits

CASHIER'S USE ONLY
0473-542-473A-0431
0474-542-474A-0431
Facility ID #
County

Credit fees to: Paustian Enterprises, Ltd.

Name of operation: Sow Unit/Ross

INSTRUCTIONS:

1. If the operation is applying for a construction permit enclose a payment for the following:

   ☒ Construction application fee $ 250.00.
   (Note: This fee is non-refundable)

2. A manure management plan must be submitted and you must also pay the following:

   ☒ Manure management plan filing fee $ 250.00
   (Note: This fee is non-refundable)

3. Total filing fees: Add the fees paid in items 1 and 2 (above): $ 500.00

SUMMARY:

- Manure Storage Indemnity Fee (see previous page) to be deposited in the Manure Storage Indemnity Fee Fund (474)	$	58.50
- Total filing fees (see item 3 on this page) to be deposited in the Animal Agriculture Compliance Fund (473)	$	500.00
TOTAL DUE:	$	558.50

4. Make check payable to: Iowa Department of Natural Resources or Iowa DNR; and send it along with the construction application documents (See submittal checklist No. 1 or 2, pages 10-15.) Note: Do not send this fee to the county.

ITEM 9

COUNTY VERIFICATION RECEIPT OF DNR CONSTRUCTION PERMIT APPLICATION

This form provides proof that the County Board of Supervisors has been provided with a complete copy of the construction permit application documents (everything except the fees) for the confinement feeding operation:

Owner: Paustian Enterprises, Ltd. Telephone: _____

Name of operation: Sow Unit/Ross

Location:	NE	SE	19	79N & 2E	Hickory Grove	Scott
	(1/4 1/4)	(1/4)	(Section)	(Tier & Range)	(Name of Township)	(County)

Documents being submitted to the county:

- ☒ Construction permit application form: submit items 1 to 9 (see Submittal Checklist No. 1 or 2)
- ☒ Attachment 1 - Aerial photos: Must clearly show the location of the proposed confinement feeding operation structure[1] and that all the separation distances are met, including those claimed for points in the master matrix (if applicable).
- ☒ Attachment 2 - Statement of design certification, submit any of the following (see Checklist No. 1 or 2):
  - ☒ Construction Design Statement form
  - ☐ Professional Engineer (PE) Design Certification form
  - ☐ Engineering report, construction plans and technical specifications
  - ☐ In addition, if proposing an unformed manure storage structure[3] or an egg washwater storage structure submit documentation required in Addemdum "A" of this construction application form.
- ☒ Attachment 3 - Manure management plan.
- ☒ Attachment 4 - Master Matrix (if required). You must include supporting documents (see Checklist No. 1 or 2)

THIS SECTION IS RESERVED FOR THE COUNTY

As soon as DNR receives a construction permit application, the DNR will fax your County Auditor a "Courtesy reminder letter" explaining what actions your County Board of Supervisors must complete and the deadlines.

Public Notice is required for **all** construction permit applications, including those applications not required to be evaluated with the master matrix and applications in counties not participating in the Master matrix.

Counties participating in the master matrix: the county's master matrix evaluation and county's recommendation is required for the following cases:

- A new confinement feeding operation that is applying for a construction permit
- An existing confinement feeding operation that was first constructed on or after April 1, 2002 that is applying for a construction permit.
- An existing confinement feeding operation that was first constructed prior to April 1, 2002 that is applying for a construction permit with an animal unit capacity (AUC) is 1,667 animal units (AU) or more.

I have read and acknowledge the county's duty with this construction permit application, as specified in 567 IAC 65.10(455B) and Iowa Code 459.304. On behalf of the Board of Supervisors for:

COUNTY: Scott County

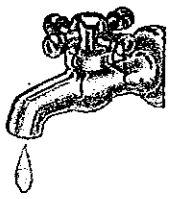
NAME: Timothy Huey Timothy Huey

TITLE: Planning Director

(Member of the County Board of Supervisors or its designated official/employee)

Date: 8/8, 2012

If you do not receive the courtesy reminder letter within a reasonable time, or if you have any questions, please contact the animal feeding operations (AFO) Program at (515) 281-8941 or visit www.IowaDNR.gov



WHEN IT COMES TO WATER, Don't Be A Drip!

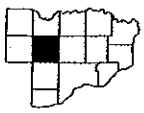
It may seem like a drop in the bucket, but you really can make a difference when it comes to conserving our most precious natural resource.

Ross Finishing / Sow Unit

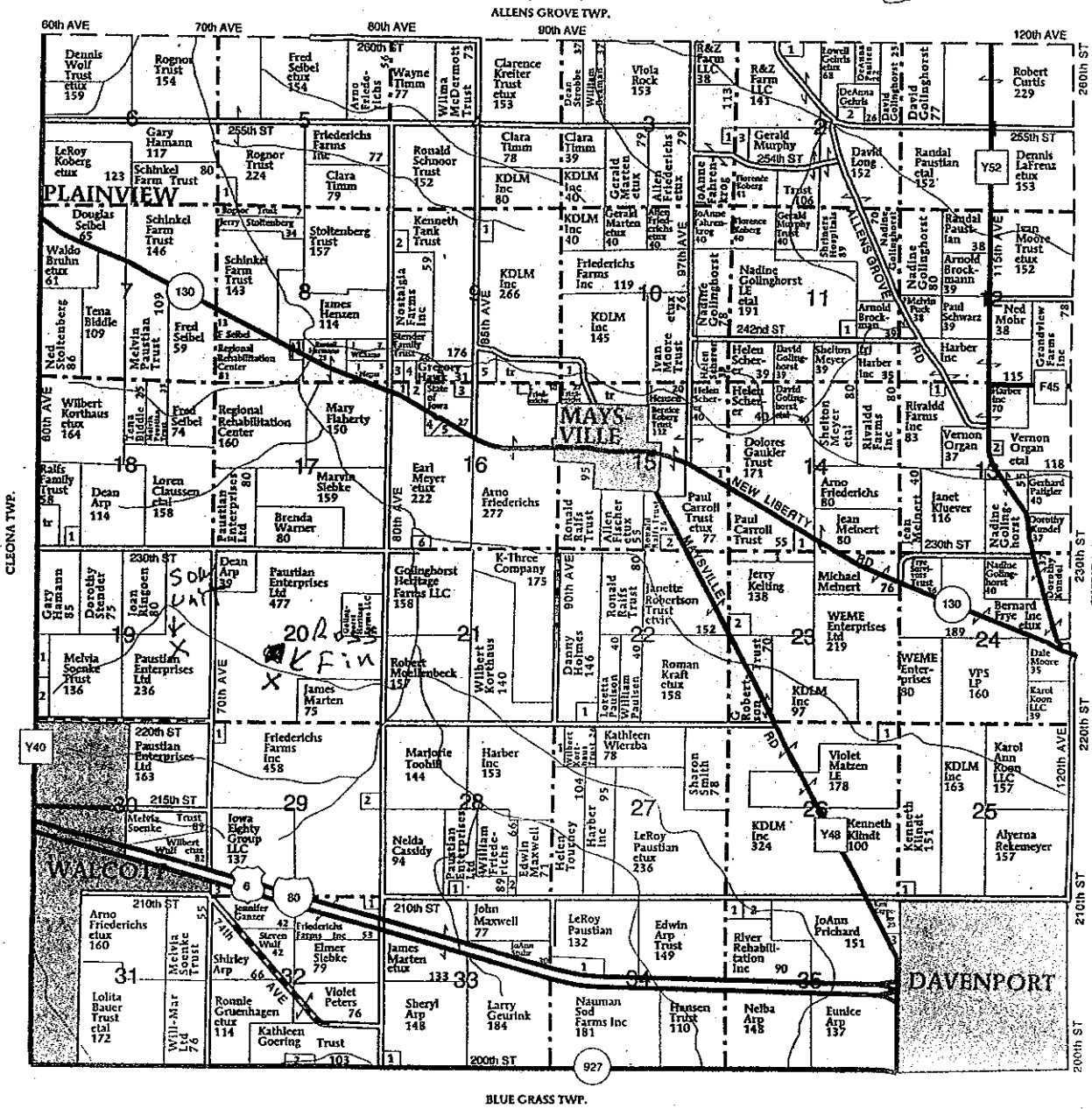
T-79-N

HICKORY GROVE PLAT

(Landowners)



R-2-E



HICKORY GROVE TOWNSHIP

SECTION 2
1. Watts, Jill 12
2. Grandview Farms Inc 13
3. Schoenthaler, Jeremy 10

SECTION 3
1. Gevers, Andrew 6

SECTION 5
1. Schinkel Farm Trust 16

SECTION 8
1. Schneider, Anthony 6

SECTION 9
1. Newmarch Trust, Paul 5
2. Krakilo, Edward 5
3. Kieffert, Sharon 5
4. Wulf, Robert 6
5. Friederichs, Arno 15

SECTION 10
1. Jewell, Donna 15

SECTION 11
1. Holtz, Donald 6

SECTION 13
1. Grandview Farms Inc 10
2. Adrian, Gary 6

SECTION 14
1. Brosis LLC 10

SECTION 15
1. Sapp, Wayne 11
2. Friederichs, Loran 14

SECTION 16
1. Ehrecke, Kenneth 6
2. Schneckloth, Jeffrey 9
3. Robinson, Thomas 6
4. R&D Lossi Trust 6
5. Meyer, Paul 7
6. Gollinghorst, Robert 5

SECTION 18
1. Miller, John 9

SECTION 19
1. Duncan, Arthur 11
2. August, Gary 9

SECTION 22
1. Paulsen, William 9

SECTION 23
1. Carroll Trust, Paul 15
2. Robertson Trust, Janette 7

SECTION 25
1. Congdon, Dennis 11

SECTION 26
1. WEME Enterprises Ltd 12

SECTION 27
1. Harber Inc 13

SECTION 28
1. Duffey Trust, Mack 9
2. Belgarde, Edward 5

SECTION 29
1. Friederichs, Earl 7
2. Friederichs, Earl 7
3. Iowa Eighty Group LLC 6

SECTION 32
1. Kraft, Scott 5
2. Allison, Grant 10

SECTION 33
1. Knickrehm, John 7

SECTION 34
1. Stuhr, JoAnn 12

SECTION 35
1. Roseman, Lysle 8
2. DeVault, Roy 10
3. Harris, Allen 9

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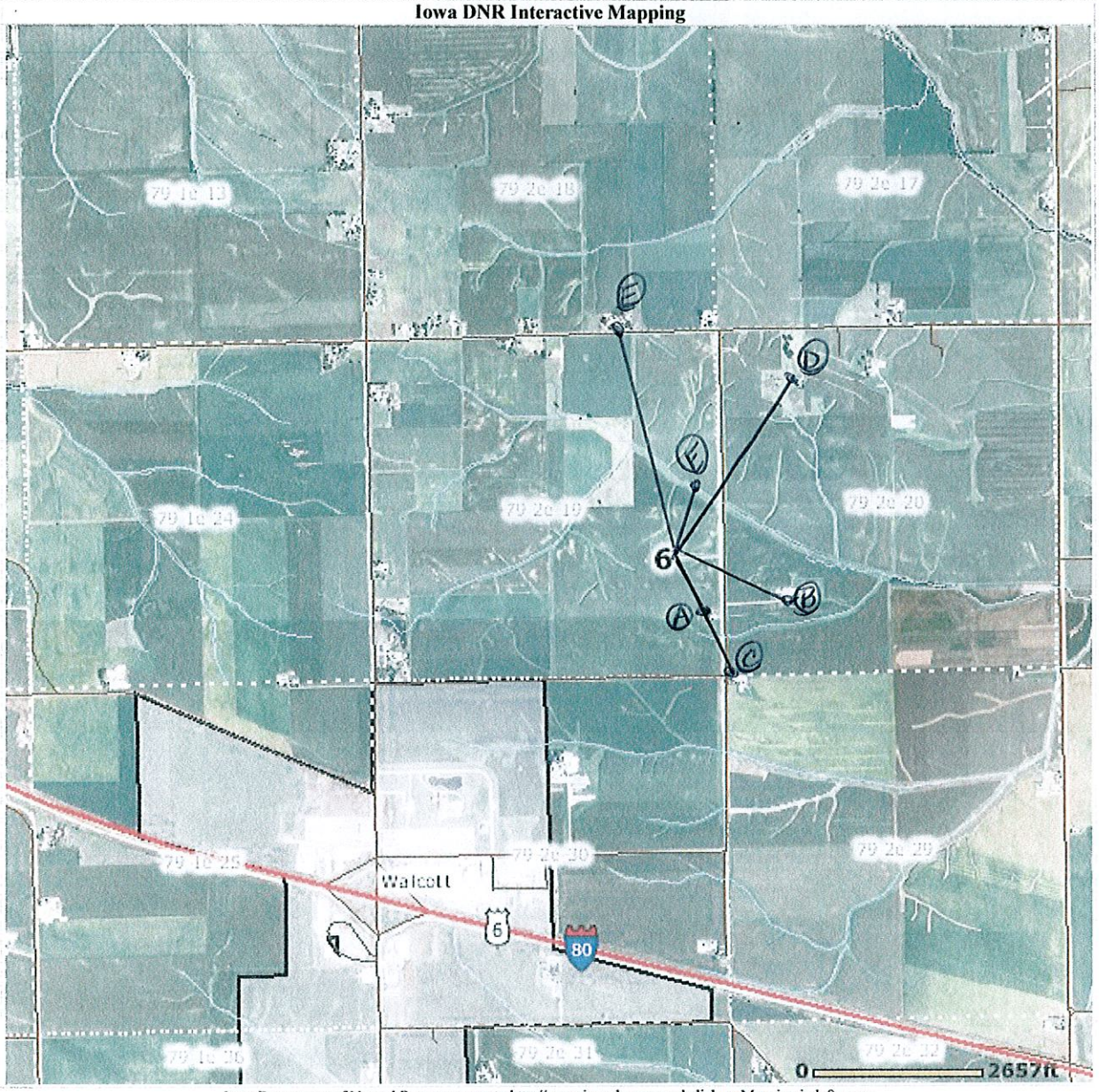
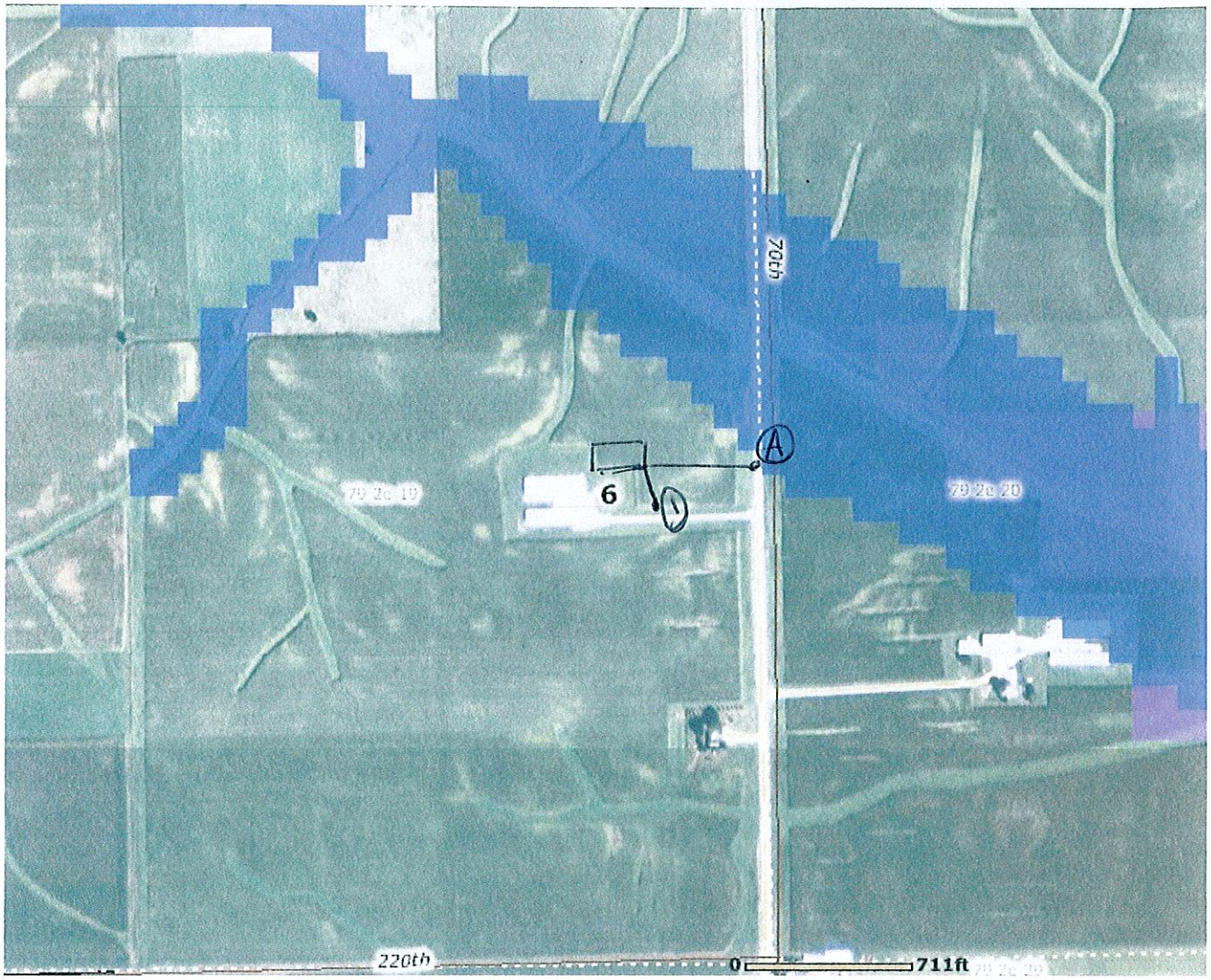
Iowa DNR Interactive Mapping



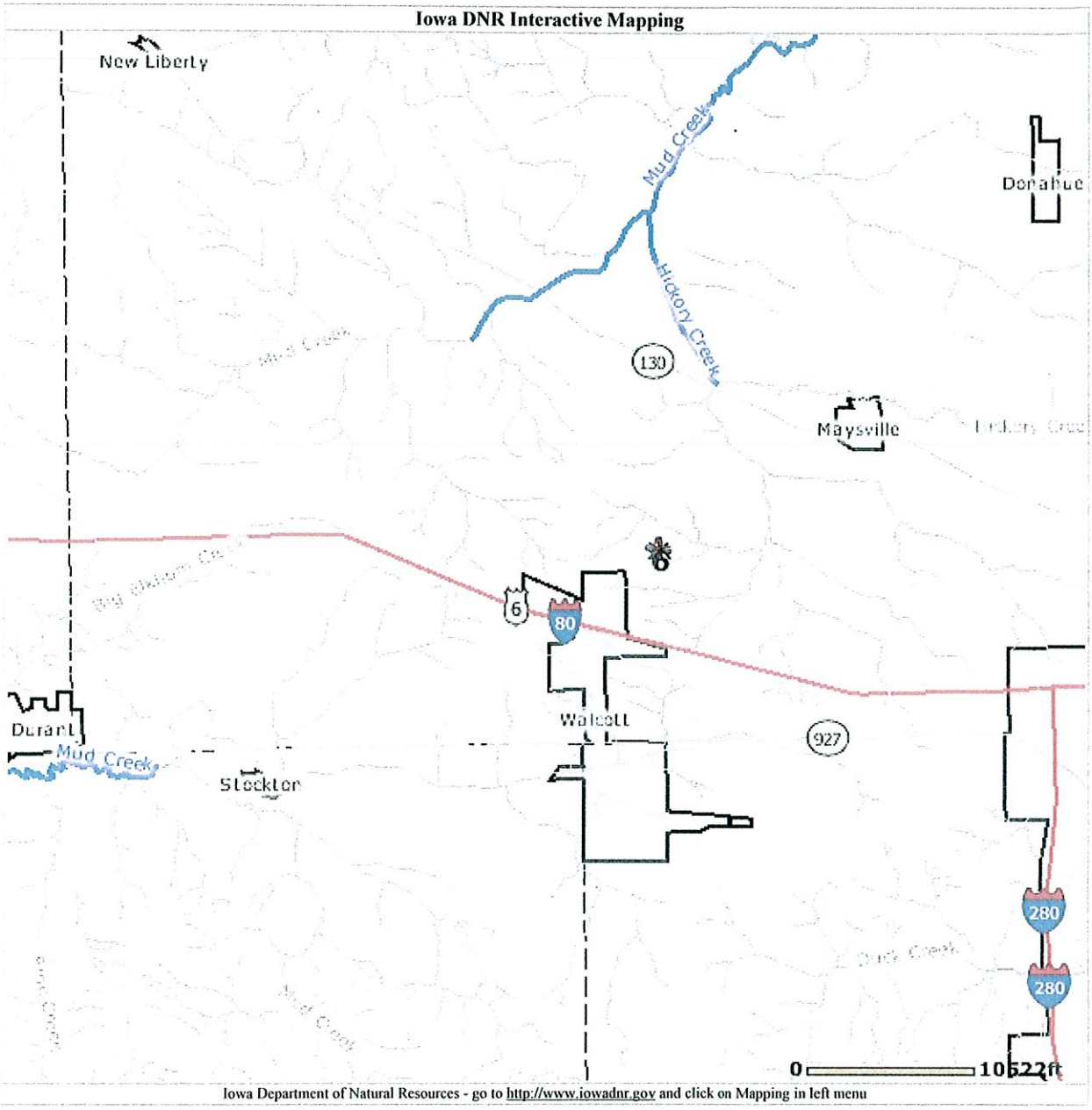
Iowa Department of Natural Resources - go to http://www.iowadnr.gov and click on Mapping in left menu

Ⓐ house owned
Ⓑ house owned
Ⓒ house ~2200'
Ⓓ house ~3000'
Ⓔ house ~3400'
Ⓕ creek ~800



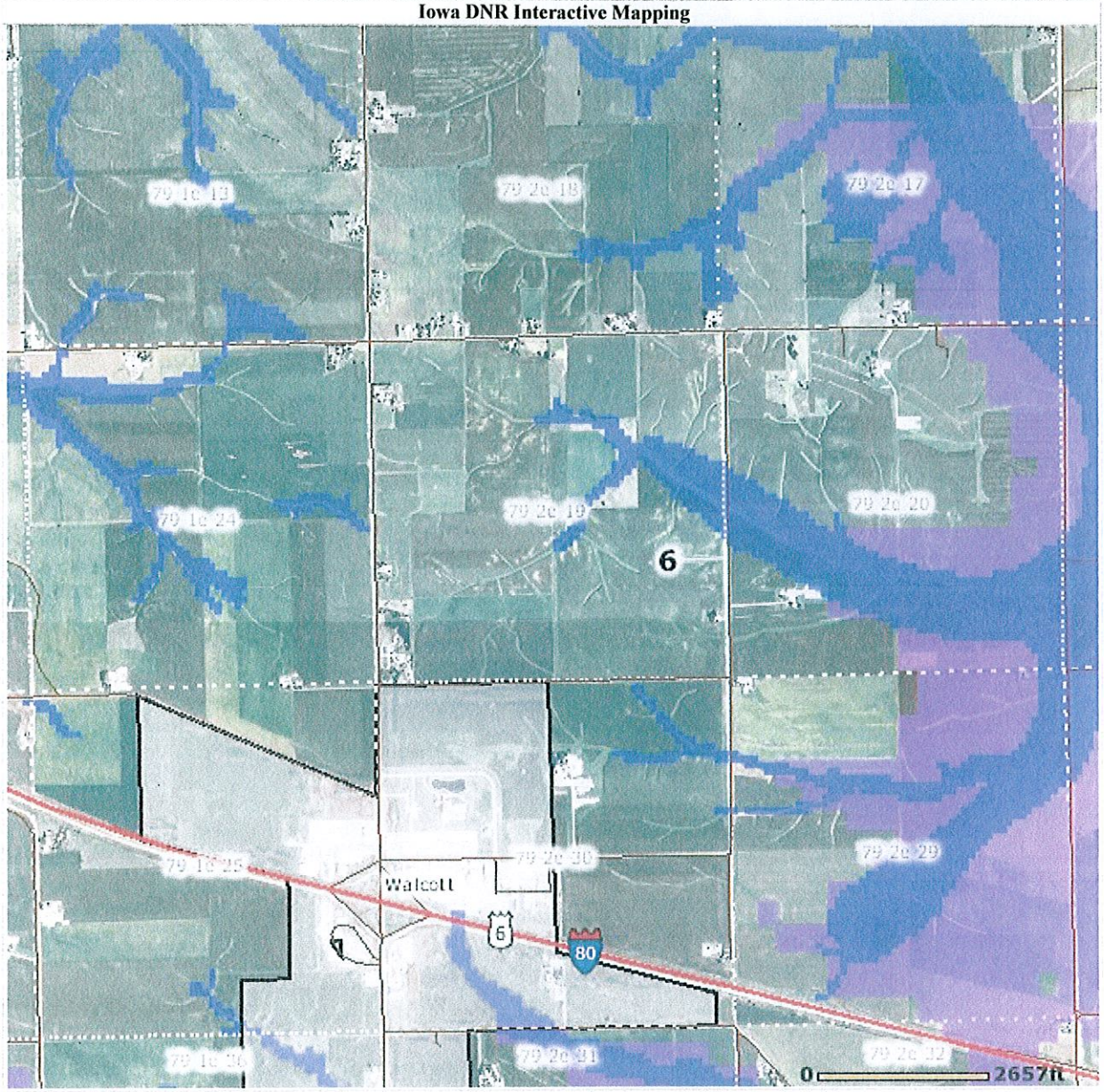
Ⓐ ~500' to thoroughfare

① Well 180'



>10,500' to major water source

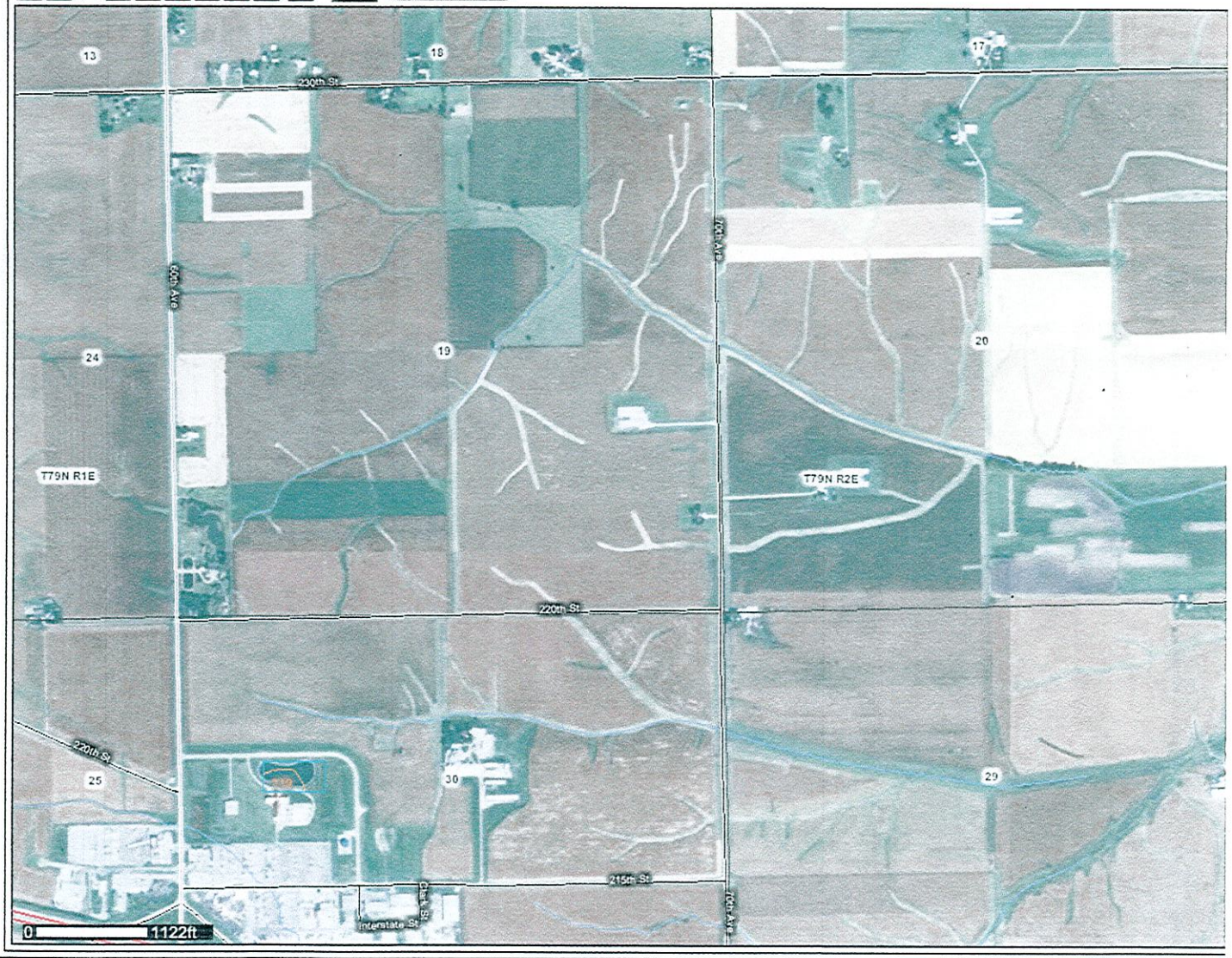
Iowa DNR Interactive Mapping

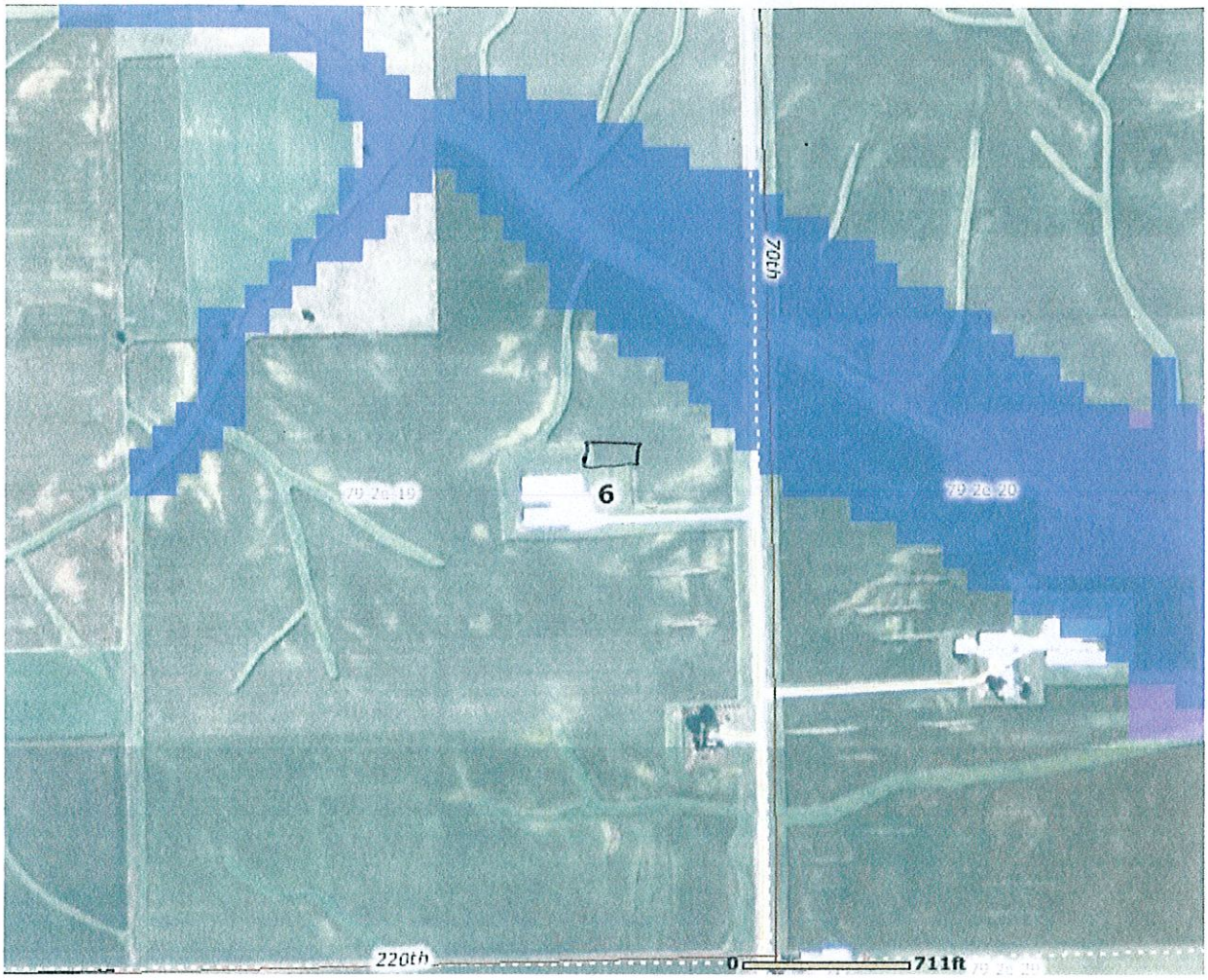


Iowa Department of Natural Resources - go to http://www.iowadnr.gov and click on Mapping in left menu

Scott County, Iowa (IA163)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
119	Muscatine silty clay loam, 0 to 2 percent slopes	1.8	42.6%
920B	Tama silty clay loam, sandy substratum, 2 to 5 percent slopes	2.4	57.4%
Totals for Area of Interest		**4.2**	**100.0%**





Alluvial + Karst Determination

Construction Design Statement (CDS)

Instructions:

1. This form is for new or expanding confinement feeding operations with an AUC[1] of more than 500 AU, not required to have a professional engineer (PE)[2], that are proposing to construct a formed manure storage structure[3].
2. Complete and submit Sections 1, 2 and 3 (pages 1 to 5).
3. Complete and submit Section 4 (page 6) only if you are applying for a construction permit and are constructing three or more confinement feeding operation structures[4].
4. Mail only pages 1 to 5, and page 6 (if applicable) as instructed on page 6. Do not mail the remainder of this form.
5. If the site-specific design is sealed by a PE[2], do not use this CDS instead use DNR Form 542-8122.

Section 1 - Information about the proposed formed manure storage structure[3](s)

A) Information about the operation:

Name of operation: Paustian Enterprises Ltd. Facility ID No. : _____

Location: NE (¼ ¼) SE (¼) 19 (Section) 79 & 2e (Tier & Range) Hickory Grove (Name of Township) Scott (County)

B) Description of the proposed formed manure storage structure[3]. Include dimensions (length, width, or diameter, depth). Indicate if it is aboveground or belowground; covered or uncovered, made of concrete or steel. If necessary attach more pages:

85'4" x 153'6" x 8'0" belowground concrete pit covered by a swine gestation

C) Karst Determination: Go to http://www.iowadnr.gov, select the link to 'Environment' then click on 'Mapping and GIS'. then click on AFO Siting Atlas. Click on the red push pin icon to enter a legal description of the proposed location. Make sure the karst box is checked in the left legend. If you cannot access the map, or if you have questions about this issue, contact the AFO Engineer at 712-262-4177. Check one of the following:

☒ The site is not in karst or potential karst. Print and enclose the map with the name and location of the site clearly marked.

☐ The Siting Atlas has indicated that the site is in karst. The upgraded concrete standards of 567 IAC 65.15(14)"c" must be used. Complete and sign Section 3,H (page 5).

D) Alluvial Soils Determination: Go to http://www.iowadnr.gov, select the link to 'Environment' then click on 'Mapping and GIS' then click on AFO Siting Atlas. Click on the red push pin icon to enter a legal description of the proposed location. Make sure the alluvial box is checked in the left legend. If you cannot access the map, or if you have questions about this issue, contact DNR Flood Plain at 1-866-849-0321. Check one of the following:

☒ The site is not in alluvial soils. Print and enclose the map with the name and location of the site clearly marked.

☐ If the site is in alluvial soils contact DNR Flood Plain at 866-849-0321. You will be required to submit a petition for a declaratory order if less than 1000 AU or request a flood plain determination if 1000 AU or greater. After receiving Flood Plain determination, submit one of the following:

- ☐ Include correspondence from the DNR showing the site is not in 100-year flood plain or does not require a Flood Plain permit. .
- ☐ Include copy of the Flood Plain permit if a Flood Plain permit is required.

Section 2 - Manure management plan:

☒ An original manure management plan (MMP) is enclosed with this form, even if a MMP was previously filed.

Paustian Enterprises Ltd (Owner's Name (print)) Paustian Enterprises Ltd (Owner's Signature) 8-7-12 (Date)

[1] To determine the AUC see the 'Manure Storage Indemnity Fee' (Form 542-4021) or the 'Construction Permit Application' (Form 542-1428), or visit http://www.iowadnr.gov

[2] PE is a professional engineer licensed in the state of Iowa or a NRCS-Engineer working for the USDA-Natural Resources Conservation Service (NRCS).

[3] Formed manure storage structure means a covered or uncovered concrete or steel tank, including concrete pits below the floor.

[4] Confinement feeding operation structure = A confinement building, a formed or unformed manure storage structure, or an egg washwater storage structure.

Section 3 - Construction design standards: The person responsible for constructing the formed manure storage structure(s)[3] must complete pages 2 to 5.

A) Liquid and semi-liquid manure: The proposed formed manure storage structure[3] will be (check one):

- A.1 ☒ A non-circular concrete tank, belowground, with walls laterally braced or below the building concrete pit designed according to 567 IAC Chapter 65, Appendix D.
- A.2 ☐ A non-circular concrete tank, belowground, walls designed according to MidWest Plan Service (MWPS), publication MWPS-36. Include design calculations.
- A.3 ☐ A circular concrete tank, walls designed according to MidWest Plan Service (MWPS), publication MWPS TR-9. Include design calculations.
- A.4 ☐ Will be made of steel, constructed aboveground according to the manufacturer's recommendations.

B) Dry manure: The proposed formed manure storage structure[3] will be (check one):

- B.1 ☐ An aboveground concrete tank, with walls designed according to MWPS-36. Include design calculations.
- B.2 ☐ Will be made of steel, constructed aboveground according to the manufacturer's recommendations.
- B.3 ☐ Will be a belowground or partially belowground concrete tank, with walls laterally braced designed according to 567 IAC Chapter 65, Appendix D or MWPS-36. Include design calculations.

C) Details of the proposed design: Submit an additional completed copy of this page 2 for each formed manure storage structure[3] that have different dimensions. Complete all of the following information:

Number of buildings: 1 Building name: Gestation

Dimensions of proposed formed manure storage structure[3]

	Length	Width	Height or depth	Wall thickness	Diameter (circular tanks only)
Feet	153	85	8	0	
Inches	6	4	0	8	

To determine the appropriate vertical steel in walls, first check one of the following boxes (must check one):

☐ a. To use Tables D-1 and D-2 (on pages 7-8), backfilling of walls shall be performed with gravel, sand, silt, and clay mixtures (less than 50 percent fines), with coarse sand with silt or clay (less than 50 percent fines), or cleaner granular material (see page 9 for the unified soils classification). You will need to submit a copy of a USDA soil survey map with the proposed location of the formed manure storage structures[3] clearly marked showing the unified soil classification; or a statement signed by a qualified organization or NRCS staff.

☒ b. Use Tables D-3 and D-4 (on pages 8-9) if backfilling of walls will be performed with soils that are unknown or with low plasticity silts and clays with some sand or gravel (50 percent or more fines); or fine sands with silt or clay (less than 50 percent fines); or low to medium plasticity silts and clays with little sand or gravel (50 percent or more fines); or high plasticity silts and clays (see page 9 for unified soils classification). You must use Tables D-3 and D-4 if you do not submit the soils information requested in box "a", above.

Maximum spacing of steel, in inches

Description of reinforcing steel in walls	Proposed vertical steel in walls [see boxes "a" and "b", above]				Proposed horizontal steel in walls (use Table D-5)
	Walls where vehicles are not allowed within 5 feet (use Table D-1)[a]	All walls with pumpout ports and walls where vehicles are allowed within 5 feet (use Table D-2)[a]	Walls where vehicles are not allowed within 5 feet (use Table D-3)[b]	All walls with pumpout ports and walls where vehicles are allowed within 5 feet (use Table D-4)[b]	
Grade 40, No. 4					12
Grade 40, No. 5					
Grade 60, No. 4				9	
Grade 60, No. 5					

D) Aboveground tanks or partially aboveground tanks: Liquid and semi-liquid manure (check the following box):

☐ If the proposed tank is to be constructed aboveground or partially aboveground and will have an external outlet or inlet below the liquid level, the tank will also be constructed according to the 567 IAC 65.15(20).

E) Steel Tanks: Certification that the tank will be constructed according to the tank manufacturer's specifications:

Name of tank manufacturer company: _____

Address: _____

Telephone: _____ Fax: _____

Additional construction design standards:

F) To determine the additional requirements set forth in 567 IAC 65.15(14) that would apply to the proposed formed manure storage structure[3], check any of the following 3 boxes based on the information entered on Sections 3.A or 3.B (page 2):

☒ If you checked boxes A.1, A.2, A.3 or B.3 (on page 2) all of the following 15 additional requirements apply. Complete the numbered items 1 to 15 (below).

☐ If you checked box B.1 (on page 2), only the requirements of numbered items 1, 3, 4, 5, 6, 8 and 12 apply and need to check those boxes (below).

☐ If you checked boxes A.4 or B.2 (on page 2) and the steel tank will have a concrete floor, only the requirements of numbered items 1, 2, 3, 4, 5, 8, 9, 12, apply and need to check those boxes (below).

Additional Requirements that will be followed during construction of the formed manure storage structure(s)[3]:

1. Site preparation (check the following box):
   ☒ The finished subgrade of a formed manure storage structure shall be graded and compacted to provide a uniform and level base and shall be free of vegetation, manure and debris. For the purpose of this subrule, "uniform" means a finished subgrade with similar soils.

2. Groundwater separation requirements (check one of the following boxes):
   ☒ When the groundwater table, as determined in 65.15(7)*"c,"* is above the bottom of the formed structure, a drain tile shall be installed along the footings to artificially lower the groundwater table pursuant to 65.15(7)*"b"(2)*. The drain tile shall be placed within 3 feet of the footings as indicated in Appendix D, Figure D-1, at the end of this chapter and shall be covered with a minimum of 2 inches of gravel, granular material, fabric or a combination of these materials to prevent plugging the drain tile. A device to allow monitoring of the water in the drainage tile lines installed to lower the groundwater table and a device to allow shutoff of the drainage tile lines shall be installed if the drainage tile lines do not have a surface outlet accessible on the property where the formed manure storage structure is located.

   ☐ In lieu of the drain tile, a certification signed by a PE[2], a groundwater professional certified pursuant to 567 Chapter 134, or a qualified staff from NRCS, is being submitted indicating that the groundwater elevation, according to 65.15(7)"c", is below the bottom of the formed structure.

3. Minimum as-placed concrete compressive strength (check the following box):
   ☒ All concrete shall have the following minimum as-placed compressive strengths and shall meet American Society for Testing and Materials (ASTM) standard ASTM C 94: 4,000 pounds per square inch (psi) for walls, floors, beams, columns and pumpouts and 3,000 psi for the footings. The average concrete strength by testing shall not be below design strength. No single test result shall be more than 500 psi less than the minimum compressive strength.

4. Cement and aggregates specifications (check the following box):
   ☒ Cementitious materials shall consist of Portland cement conforming to ASTM C 150. Aggregates shall conform to ASTM C 33. Blended cements in conformance with ASTM C 595 are allowed only for concrete placed between March 15 and October 15. Portland-pozzolan cement or Portland blast furnace slag blended cements shall contain at least 75 percent, by mass, of Portland cement.

5. Concrete consolidation and vibration requirements (check the following box):
   ☒ All concrete placed for walls shall be consolidated or vibrated, by manual or mechanical means, or a combination, in a manner which meets ACI 309.

6. Minimum rebar specifications: (check the following box):
   ☒ All rebar used shall be a minimum of grade 40 steel. All rebar, with the exception of rebar dowels connecting the walls to the floor or footings, shall be secured and tied in place prior to the placing of concrete.

7. Wall reinforcement placement specifications (check the following box):

☒ All wall reinforcement shall be placed so as to have a rebar cover of 2 inches from the inside face of the wall for a belowground manure storage structure. Vertical wall reinforcement should be placed closest to the inside face. Rebar placement shall not exceed tolerances specified in ACI 318.

8. Minimum floor specifications. Complete part a) and b):

a) Floor thickness requirements (check the following box):

☒ The floor slab shall be a minimum of 5 inches thick. Nondestructive methods to verify the floor slab thickness may be required by the department. The results shall indicate that at least 95 percent of the floor slab area meets the minimum required thickness. In no case shall the floor slab thickness be less than 4½ inches.

b) The floor slab reinforcement shall be located in the middle of the thickness of the floor slab (check one of the following boxes):

☒ Formed manure storage structures with a depth of 4 feet or more shall have primary reinforcement consisting of a minimum of #4 rebar placed a maximum of 18 inches on center in each direction placed in a single mat.

☐ Formed manure storage structure with a depth less than 4 feet shall have shrinkage reinforcement consisting of a minimum of 6 × 6-W1.4 × W1.4 welded wire fabric.

9. Minimum footing specifications (check the following box):

☒ The footing or the area where the floor comes in contact with the walls and columns shall have a thickness equal to the wall thickness, but in no case be less than 8 inches, and the width shall be at least twice the thickness of the footing. All exterior walls shall have footings below the frostline. Tolerances shall not exceed -½ inch of the minimum footing dimensions.

10. Requirement to connect walls to footings (check one of the following boxes):

☐ The vertical steel of all walls shall be extended into the footing, and be bent at 90°, **OR**

☒ A separate dowel shall be installed as a #4 rebar that is bent at 90° with at least 20 inches of rebar in the wall and extended into the footing within 3 inches of the bottom of the footing and extended at least 3 inches horizontally, as indicated in Appendix D, Figure D-1 (page 10). Dowel spacing (bend or extended) shall be the same as the spacing for the vertical rebar.

☐ As an alternative to the 90°bend, the dowel may be extended at least 12 inches into the footing, with a minimum concrete cover of 3 inches at the bottom, as indicated in Appendix D, Figure D-1 (page 10). Dowel spacing (bend or extended) shall be the same as the spacing for the vertical rebar.

☐ In lieu of dowels, mechanical means or alternate methods may be used as anchorage of interior walls to footings. Please submit structural calculations and details of this proposal.

11. Concrete forms specifications (check the following box):

☒ All walls shall be formed with rigid forming systems and shall not be earth-formed.

12. Curing of concrete requirements (check the following box):

☒ All concrete shall be cured for at least seven days after placing, in a manner which meets ACI 308, by maintaining adequate moisture or preventing evaporation. Proper curing shall be done by ponding, spraying or fogging water; or by using a curing compound that meets ASTM C 309; or by using wet burlap, plastic sheets or similar materials.

13. Construction joints and waterstops specifications (check the following box):

☒ All construction joints in exterior walls shall be constructed to prevent discontinuity of steel and have properly spliced rebar placed through the joint. Waterstops shall be installed in all areas where fresh concrete will meet hardened concrete as indicated in Appendix D, Figures D-1 and D-2, at the end of this chapter. The waterstops shall be made of plastic, rolled bentonite or similar materials approved by the department.

14. Backfilling of walls specifications (check the following box):

☒ Backfilling of the walls shall not start until the floor slats or permanent bracing have been installed. Backfilling shall be performed with material free of vegetation, large rocks or debris.

15. Additional design requirements (check the following box, if applicable):

☐ A formed manure storage structure with a depth greater than 12 feet shall be designed by a PE or an NRCS engineer.

G) **Construction Certification:** The person responsible for constructing the formed manure storage structure[3] must sign this page. Any change(s) to the specifications of the formed manure storage structure must be first approved by DNR:

"I hereby certify that I have read and understand the minimum design and construction standards of Iowa Code chapter 459, Subchapter III, and the 567 Iowa Administrative Code (IAC) 65.15(14) "Minimum concrete standards" or 567 IAC 65 (if other than concrete). The proposed formed manure storage structure(s)[3] at the operation:

Name of operation: Paustian Enterprises Ltd. County: Scott

Owner's name: Kent Paustian

will be constructed in accordance with these minimum requirements. Included with this certification are:

- ☒ Page 2, for each formed manure storage structure[3] that have different dimensions
- ☒ Pages 3 to 5 (applicable sections)
- ☐ Other documents (specify): _____

Chris Harmsen	Chris Harmsen	08/01/12
(Print name)	(Signature)	(Date)
P.S.I.	1204 1st Ave NE, Wellman, IA 52356	(319) 646-2430
(Company)	(Address)	(Phone No.)

(See page 6 for mailing instructions)

Paustian Enterprises Ltd· Sow Farm

2012 MMP Update

The total land available each year is calculated based upon the acres planning to be planted to corn. Acres required for manure application on an annual basis was determined by the total volume of manure produced by each farm at the application rates calculated in the respective manure management plans.

Land Capacity Calculation

Site	Manure/Yr. (gallons)	Application Rate (gal./acre)	Acres Req
Home Farm-finisher	526,124	3,500	150
Home Farm-nursery	802,829	6,600	122
Ross Finisher	759,038	3,400	223
Sow Farm	1,821,572	6,100	299
Stender Farm	955,119	3,500	273
TOTAL MANURE	4,864,682	**TOTAL ACRES REQ.**	1,067

Total acres in MMPs 1100.92

Annual manure volume was calculated based upon manure application records over the past several years. The MMP shows the days occupied for the developing gilts to be 292 days. This calculation is based upon the fact that 20% of the space in the new barn will not be fully utilized for the entire year. The conservative estimate of 2 gal/hd/day was used to calculate the manure production volume from the developing gilts since their life span in the barn is very similar to that of a finishing pig.

GILT DEVELOPER BARN – by the numbers

	Number of hd.	Manure Production (gal/hd/d)	Days used	Expected Annual Manure (Gallons)
Farrow&Boar	43	3.3	365	51,794
Dev. Gilts	873	2	292	509,832
			TOTAL	561,626

Manure analyses were used to determine application rates and are shown in an attached table.

PAUSTIAN ENTERPRISES MANURE ANALYSIS
SOW FARM AND ROSS FINISHER

	Ross N			Ross S			Gestation		
	Total N	P2O5	K2O	Total N	P2O5	K2O	Total N	P2O5	K2O
F 1999	51.5	51.4	46.2	40.0	34.7	37.8	19.0	26.0	18.0
F 2001	76.5	45.5	44.1	82.3	73.9	48.4	27.2	42.0	16.1
F 2002	62.3	35.9	41.7				32.0	23.7	18.7
Sp 2002							31.0	19.5	19.3
F 2003									
F 2004	76.1	60.6	43.3	75.6	54.4	41.0	28.1	17.1	14.8
	53.1	46.1	35.1				23.2	25.8	15.5
F 2005	55.9	32.8	33.9				22.1	17.6	14.4
F 2006	58.7	32.6	34.0				28.0	17.8	13.9
Sp 2007									
2008									
2009				59.0	23.0	39.0			
2010				59.0	28.0	43.0	20.0	23.0	17.0
2011	45.0	29.0	36.0						
	59.9	**41.7**	**39.3**	**63.2**	**42.8**	**41.8**	**25.6**	**23.6**	**16.4**

Ross Finisher		
61	**42**	**41**

Gestation		
25.6	**23.6**	**16.4**

Manure Management Plan Form

Animal Feeding Operation Information

Instructions: Complete this form for your animal feeding operation. Footnotes are provided on page 4.

The information within this form, and the attachments, describes my animal feeding operation, my manure storage and handling system, and my planned manure management system. I (we) will manage the manure, and the nutrients it contains, as described withi

Signed: Paustian Enterprises Ltd (Signature) Paustian Enterprises Ltd (Print name) **Date** 8-7-12

Name of operation: Sow Unit **Facility ID No.** 62367

Location of the operation: 22444 - 70th Ave (911 address)

Walcott (Town) Iowa (State) 52773 (Zip)

NE (1/4 1/4) 1/4 of the SE (1/4) 1/4 of Sec 19 (Section) T 79N (Tier & Range) R 2E Hickory Grove (Township Name) Scott (County)

Owner and contacts of the animal feeding operation:

Owner Paustian Enterprises Ltd. Phone 563-284-6814

Address 6520 - 215th St., Walcott, IA 52773

E-mail address (optional) _____ Cell phone (optional) _____

Contact person (if different than owner) Kent Paustian Phone 563-284-6814

Address 6520 - 215th St., Walcott, IA 52773

E-mail address (optional) _____ Cell phone (optional) _____

Contract company (if applicable) _____ Phone _____

Address _____

This manure management plan is for: (check one)

_____ existing operation, not expanding X existing operation, expanding _____ new operation

Construction and Expansion Dates: 1998 date of initial construction

_____ _____ _____ and all expansions

Table 1. Information about livestock production and manure management system

1	2	3	4	5	6	7	8
Animal type/ Production phase[a]	Max # of animals confined	Manure Storage Structure [b]	N[c]	P_2O_5[c]	gal/space/dy[d]	Days/yr Facility occupied	Annual Manure Produced[e]
Select production phas			0	0	0.0		000
Select production phas			0	0	0.0		000
Select production phas			0	0	0.0		000
Brding,Gest.& Farrowing	1116	Deep pit	25.6	23.6	3.3	365	1,311,740
Developing Gilts	873	Deep pit	25.6	23.6	2.0	292	509,832
						Total Gallons	**1,821,572**

Estimated annual animal production ~18000 animals/year

Source of Manure Nutrient Content Data (standard tables, manure analysis, other): manure analysis

Manure Management Plan Form

Animal Feeding Operation Information

Instructions: Complete this form for your animal feeding operation. Footnotes are provided on page 4.

The information within this form, and the attachments, describes my animal feeding operation, my manure storage and handling system, and my planned manure management system. I (we) will manage the manure, and the nutrients it contains, as described within this manure management plan (MMP) and any revisions of the plan, individual field information, and field summary sheet, and in accordance with current rules and regulations. Deviations permitted by Iowa law will be documented and maintained in my records.

Signed: Paustian Enterprises Ltd. Paustian Enterprises Ltd **Date** 8-7-12
(Signature) (Print name)

Name of operation: Ross Finishing **Facility ID No.** 62367

Location of the operation: 22225 - 70th Ave
(911 address)

Walcott (Town) Iowa (State) 52773 (Zip)

SE (1/4 1/4) 1/4 of the SW (1/4) 1/4 of Sec 20 (Section) T 79N (Tier) R 2E (Range) Hickory Grove (Township Name) Scott (County)

Owner and contacts of the animal feeding operation:

Owner Paustian Enterprises Ltd. Phone 563-284-6814
Address 6520 - 215th St., Walcott, IA 52773
E-mail address (optional) _____ Cell phone (optional) _____

Contact person (if different than owner) Kent Paustian Phone 563-284-6814
Address 6520 - 215th St., Walcott, IA 52773
E-mail address (optional) _____ Cell phone (optional) _____

Contract company (if applicable) _____ Phone _____
Address _____

This manure management plan is for: (check one)

X existing operation, not expanding ____ existing operation, expanding ____ new operation

Construction and Expansion Dates: 1996 date of initial construction
1998 _____ _____ and all expansions

Table 1. Information about livestock production and manure management system

1	2	3	4	5	6	7	8
Animal type/ Production phase[a]	Max # of animals confined	Manure Storage Structure [b]	N[c]	P_2O_5[c]	gal/space/dy[d]	Days/yr Facility occupied	Annual Manure Produced[e]
Select production phas			0	0	0.0		000
Select production phas			0	0	0.0		000
Select production phas			0	0	0.0		000
Grow - Finish	2600	Deep pits	61	42	0.7	365	759,038
						Total Gallons	**759,038**

Estimated annual animal production ~6500 animals/year

Source of Manure Nutrient Content Data (standard tables, manure analysis, other): manure analysis

Manure Management Plan Form
Determining Maximum Allowable Manure Application Rates

Instructions: Complete a worksheet for each unique combination of the following factors (crop rotation, optimum crop yield, manure nutrient concentration, remaining crop N need, method of application) that occurs at this operation. Complete form by fillin

Management Identification (Mgt ID)[g] A) Corn - Corn (Gestation)
(identify this application scenario by letter)

Method to determine optimum crop yield[h] USDA Iowa Ag Statistics County yields

Timing of application Sp & Fall

Method of application Knifed in or soil injection of liquid manure

Application loss factor 0.98

If spray irrigation is used, identify method

Table 2. Manure nutrient concentration

Manure Nutrient Content (lbs/1000gal or lbs/ton)					
Manure Storage Structure(s) [k]	Deep pit				
Total N [l]	25.6		P_2O_5	23.6	
%TN Available 1st year	100%	2nd year		3rd year	
Available N 1st year[m]	25.1	2nd year[n]	0.0	3rd year[o]	0.0

Table 3. Crop usage rates[p]

lb/bu or lb/ton	N	P_2O_5
Corn	1.2	0.375
Soybean	3.8	0.8
Alfalfa	50	12.5
Other crop	0	0

*Use blank space above to add crop not listed.

Table 4. Calculations for rate based on nitrogen (always required)

1	Applying Manure For (crop to be grown) [q]		Corn	Corn	Corn	Corn
2	Optimum Crop Yield [h]	bu or ton/acre	192	192	192	192
3	P_2O_5 removed with crop by harvest [r]	lb/acre	72.0	72.0	72.0	72.0
4	Crop N utilization [s]	lb/acre	230	230	230	230
5a	Legume N credit [t]	lb/acre		0	0	0
5b	Commercial N planned[u]	lb/acre	75	75	75	75
5c	Manure N carryover credit [v]	lb/acre		0.0	0.0	0.0
6	Remaining crop N need [w]	lb/acre	155	155	155	155
7	Manure rate to supply remaining N [x]	gal/acre	6194	6194	6194	6194
8	P_2O_5 applied with N-based rate [y]	lb/acre	146	146	146	146

Table 5. Calculations for rate based on phosphorus (fill out only if P-based rates are planned)

9	Commercial P_2O_5 planned [z]	lb/acre				
10	Manure rate to supply P removal [aa]	gal/acre	3051	3051	3051	3051
11	Manure rate for P based plan [bb]	gal/acre				
12	Manure N applied with P-based plan [cc]	lb/acree	0	0	0	0

Table 6. Application rates that will be carried over to page 3

13	Planned manure application rate [dd]	gal/acre	6100	6100	6100	6100

When applicable, manure application rates must be based on the P index value as follows:
(0-2) N-based manure management.
(>2-5) N-based manure management but P application rate cannot exceed two times the P removal rate of the crop schedule.
(>5-10) Until December 31, 2008, P-based manure management while adopting practices to reduce P index to 5 or below.
(>10) No manure application until practices are adopted to reduce P index to 5 or below

Manure Management Plan Form

Determining Maximum Allowable Manure Application Rates

Instructions: Complete a worksheet for each unique combination of the following factors (crop rotation, optimum crop yield, manure nutrient concentration, remaining crop N need, method of application) that occurs at this operation. Complete form by filling in blanks, yellow-colored cells, and drop down menus. Gray shaded cells will calculate automatically. Footnotes are given on pages 4, 5 and 6.

Management Identification (Mgt ID)[g] A) Corn - Corn (Finishing)

(identify this application scenario by letter)

Method to determine optimum crop yield[h] USDA Iowa Ag Statistics County yields

Timing of application Sp & Fall

Method of application Knifed in or soil injection of liquid manure

Application loss factor 0.98

If spray irrigation is used, identify method

Table 2. Manure nutrient concentration

Manure Nutrient Content (lbs/1000gal or lbs/ton)					
Manure Storage Structure(s) [k]	Deep pit				
Total N [l]	61		P_2O_5	42	
%TN Available 1st year	100%	2nd year	0%	3rd year	
Available N 1st year[m]	59.8	2nd year[n]	0.0	3rd year[o]	0.0

Table 3. Crop usage rates[p]

lb/bu or lb/ton	N	P_2O_5
Corn	1.2	0.375
Soybean	3.8	0.8
Alfalfa	50	12.5
Other crop	0	0

*Use blank space above to add crop not listed.

Table 4. Calculations for rate based on nitrogen (always required)

1	Applying Manure For (crop to be grown) [q]		Corn	Corn	Corn	Select Cro
2	Optimum Crop Yield [h]	bu or ton/acre	192	192	192	
3	P_2O_5 removed with crop by harvest [r]	lb/acre	72.0	72.0	72.0	0.0
4	Crop N utilization [s]	lb/acre	230	230	230	0
5a	Legume N credit [t]	lb/acre		0	0	0
5b	Commercial N planned[u]	lb/acre	25	25	25	
5c	Manure N carryover credit [v]	lb/acre		0.0	0.0	0.0
6	Remaining crop N need [w]	lb/acre	205	205	205	0
7	Manure rate to supply remaining N [x]	gal/acre	3436	3436	3436	0
8	P_2O_5 applied with N-based rate [y]	lb/acre	144	144	144	0

Table 5. Calculations for rate based on phosphorus (fill out only if P-based rates are planned)

9	Commercial P_2O_5 planned [z]	lb/acre				
10	Manure rate to supply P removal [aa]	gal/acre	1714	1714	1714	0
11	Manure rate for P based plan [bb]	gal/acre				
12	Manure N applied with P-based plan [cc]	lb/acree	0	0	0	0

Table 6. Application rates that will be carried over to page 3

13	Planned manure application rate [dd]	gal/acre	3400	3400	3400	

When applicable, manure application rates must be based on the P index value as follows:

(0-2) N-based manure management.

(>2-5) N-based manure management but P application rate cannot exceed two times the P removal rate of the crop schedule.

(>5-10) Until December 31, 2008, P-based manure management while adopting practices to reduce P index to 5 or below.

(>10) No manure application until practices are adopted to reduce P index to 5 or below

Manure Management Plan Form

Year by Year Manure Management Plan Summary

Instructions: Complete this form for each of the next four growing seasons, to demonstrate sufficient land base to apply manure over multiple crop years. If this page is identical for multiple years (e.g. every other year), submit only once for the identical years, and indicate which years the form represents. Footnotes are given on page 6.

Crop year(s): 2013 - 2016 (Ross Finisher/Sow Unit)

1	2	3	4	5	6	7	8	9	10	11
Field Designation [ee]	Field Location ___1/4 of the___ 1/4 Sec___ T___ R___ Townsip Name_____, County Name _____	Mgt Id [ff]	Planned Crop	Acres receiving manure[gg]	Own, rent, agreement (include length of agreement) [hh]	P index value [ii]	HEL (Y/N)[jj]	Planned Application		Correct Soil Test for P[ll] (Yes or No)
								gal/acre	gal/field [kk]	
									0	
Reece North	NW SW 17 79N 2E Hickory Grove, Scott	A	Corn	6.36	Own	1.62	N	6100	38796	Yes
Reece South	W1/2 SW 17 79N 2E Hickory Grove, Scott	A	Corn	64.02	Own	1.31	Y	6100	390522	Yes
Shrine W	E1/2 NE 19 79N 2E Hickory Grove, Scott	A	Corn	57.9	Own	1.72	Y	6100	353190	Yes
Shrine E	S1/2 NW, N1/2 SW 20 79N 2E Hickory Gv, Scott	A	Corn	112.4	Own	4.88	Y		0	Yes
Stender	NE NW,N1/2 SE,NE1/4 20 79N 2E Hkry Gv, Scott	A	Corn	196.3	Own	1.71	Y		0	Yes
Puck	SE1/4 19 79N 2E Hickory Grove, Scott	A	Corn	147	Own	1.68	Y	6100	896700	Yes
Ross	SW1/4 20 79N 2E Hickory Grove, Scott	A	Corn	95.7	Own	3.25	Y	3400	325380	Yes
I-80	NW1/4 30 79N 2E Hickory Grove, Scott	A	Corn	83.58	Rent	2.25	N	3400	284172	Yes
Home	NE1/4 30 79N 2E Hickory Grove, Scott	A	Corn	132.5	Own	3.75	Y		0	Yes
Goering Front	SW1/4 29 79N 2E Hickory Grove, Scott	A	Corn	90.5	Rent	2.22	Y	3400	307700	Yes
Goering Back	SW1/4 29 79N 2E Hickory Grove, Scott	A	Corn	32.3	Rent	2.15	Y	3400	109820	Yes
Duffy North	E1/2 SW 28 79N 2E Hickory Grove, Scott	A	Corn	43.86	Own	1.83	Y		0	Yes
Duffy South	E1/2 SW 28 79N 2E Hickory Grove, Scott	A	Corn	38.5	Own	2.07	N	6100	234850	Yes
									0	
									0	
									0	
									0	
									0	
									0	
									0	
									0	
Total acres available for manure application				1100.92	**Total gallons that could be applied**				2941130	

USDA NRCS

v. 1/22/2007

Iowa Phosphorus Index

Credits: Iowa State University
USDA National Soil Tilth Laboratory
USDA Natural Resource Conservation Service

Field Number	Erosion							+ Runoff				+ Tile / Subsurface Recharge			= Overall
	Gross Erosion	Sediment Trap Factor	SDR	Buffer Factor	Enrichment Factor	STP Factor	Erosion PI	RCN Factor	STP Factor	P App Factor	Runoff PI	Flow Factor	STP Factor	Tile/Sub PI	P Index
Reese North -- NHEL	2.80	1.00	0.67	0.70	1.20	0.78	1.23	1.40	0.15	0.07	0.30	1.00	0.08	0.08	1.62
Reese South -- HEL	2.80	1.00	0.51	0.70	1.20	0.78	0.93	1.40	0.15	0.07	0.30	1.00	0.08	0.08	1.31
Shrine West -- HEL	2.40	1.00	0.49	1.00	1.10	0.89	1.16	1.40	0.28	0.07	0.48	1.00	0.08	0.08	1.72
Shrine East -- HEL	9.50	1.00	0.48	1.00	1.10	0.86	4.36	1.40	0.25	0.07	0.44	1.00	0.08	0.08	4.88
Stender -- HEL	2.80	1.00	0.42	1.00	1.10	0.88	1.16	1.40	0.27	0.07	0.47	1.00	0.08	0.08	1.71
Puck -- HEL	2.50	1.00	0.46	1.00	1.10	0.89	1.12	1.40	0.28	0.07	0.48	1.00	0.08	0.08	1.68
Ross/Mike -- HEL	4.60	1.00	0.51	1.00	1.10	0.99	2.53	1.40	0.39	0.07	0.64	1.00	0.08	0.08	3.25
I-80 -- NHEL	2.80	1.00	0.51	1.00	1.10	0.98	1.54	1.40	0.38	0.07	0.63	1.00	0.08	0.08	2.25
Home -- HEL	5.40	1.00	0.46	1.00	1.10	1.06	2.90	1.40	0.48	0.07	0.77	1.00	0.08	0.08	3.75
Goering Front -- HEL	3.00	1.00	0.50	1.00	1.10	0.95	1.56	1.40	0.35	0.07	0.58	1.00	0.08	0.08	2.22
Goering Back -- HEL	3.00	1.00	0.60	1.00	1.10	0.84	1.67	1.40	0.22	0.07	0.40	1.00	0.08	0.08	2.15
Duffe North -- HEL	3.00	1.00	0.57	1.00	1.10	0.78	1.46	1.40	0.15	0.07	0.30	1.00	0.08	0.08	1.83
Duffe South -- HEL	3.00	1.00	0.62	1.00	1.10	0.81	1.65	1.40	0.18	0.07	0.34	1.00	0.08	0.08	2.07

Manure Management Plan Form

Appendix A8: Iowa Ag Statistics County Corn and Soybean Yield Averages, 2006-2010

(continued)

	Corn			Soybeans		
County	5-yr. avg. yield (bu./a)	5-yr. ave. yield + 10% (bu./a)	Avg. yield of 4 highest (bu./a)	5-yr. avg. yield (bu./a)	5-yr. ave. yield + 10% (bu./a)	Avg. yield of 4 highest (bu./a)
Harrison	167	184	174	46.7	51.4	48.4
Henry	159	175	171	50.0	55.0	50.5
Howard	172	190	174	47.8	52.5	48.8
Humboldt	175	193	181	50.7	55.7	51.8
Ida	178	196	191	51.0	56.1	52.1
Iowa	174	191	178	52.1	57.4	53.4
Jackson	167	183	169	50.9	56.0	52.1
Jasper	174	192	180	53.6	59.0	55.0
Jefferson	149	164	162	46.6	51.3	47.8
Johnson	167	184	171	48.9	53.8	49.7
Jones	177	194	179	50.8	55.9	51.9
Keokuk	156	171	167	48.7	53.6	49.6
Kossuth	181	199	183	51.8	57.0	52.8
Lee	153	169	166	46.7	51.4	47.8
Linn	177	195	179	50.3	55.4	51.2
Louisa	161	177	170	48.2	53.1	48.9
Lucas	121	133	133	39.0	42.9	41.7
Lyon	181	199	186	53.8	59.2	54.6
Madison	156	172	164	48.8	53.6	50.5
Mahaska	165	181	176	51.4	56.5	52.4
Marion	149	164	158	48.7	53.5	49.6
Marshall	183	201	183	55.7	61.2	56.8
Mills	163	180	167	49.8	54.8	51.9
Mitchell	177	195	179	50.1	55.2	51.4
Monona	160	176	173	48.3	53.1	49.3
Monroe	134	147	148	43.0	47.3	45.4
Montgomery	164	180	168	49.2	54.2	52.1
Muscatine	165	182	170	48.8	53.7	49.9
O Brien	184	202	188	54.3	59.8	54.7
Osceola	180	198	184	51.5	56.6	52.4
Page	151	166	155	47.6	52.4	50.2
Palo Alto	175	192	177	49.7	54.7	50.0
Plymouth	173	190	182	52.6	57.9	53.4
Pocahontas	175	193	177	50.3	55.4	51.2
Polk	164	181	171	49.2	54.1	50.4
Pottawattamie	174	192	177	50.4	55.5	52.7
Poweshiek	175	192	180	53.8	59.2	55.2
Ringgold	125	138	133	40.8	44.9	44.4
Sac	173	191	183	51.2	56.4	52.3
Scott	175	192	180	52.9	58.2	53.4
Shelby	181	199	184	52.8	58.1	53.9
Sioux	183	201	189	55.3	60.8	55.6

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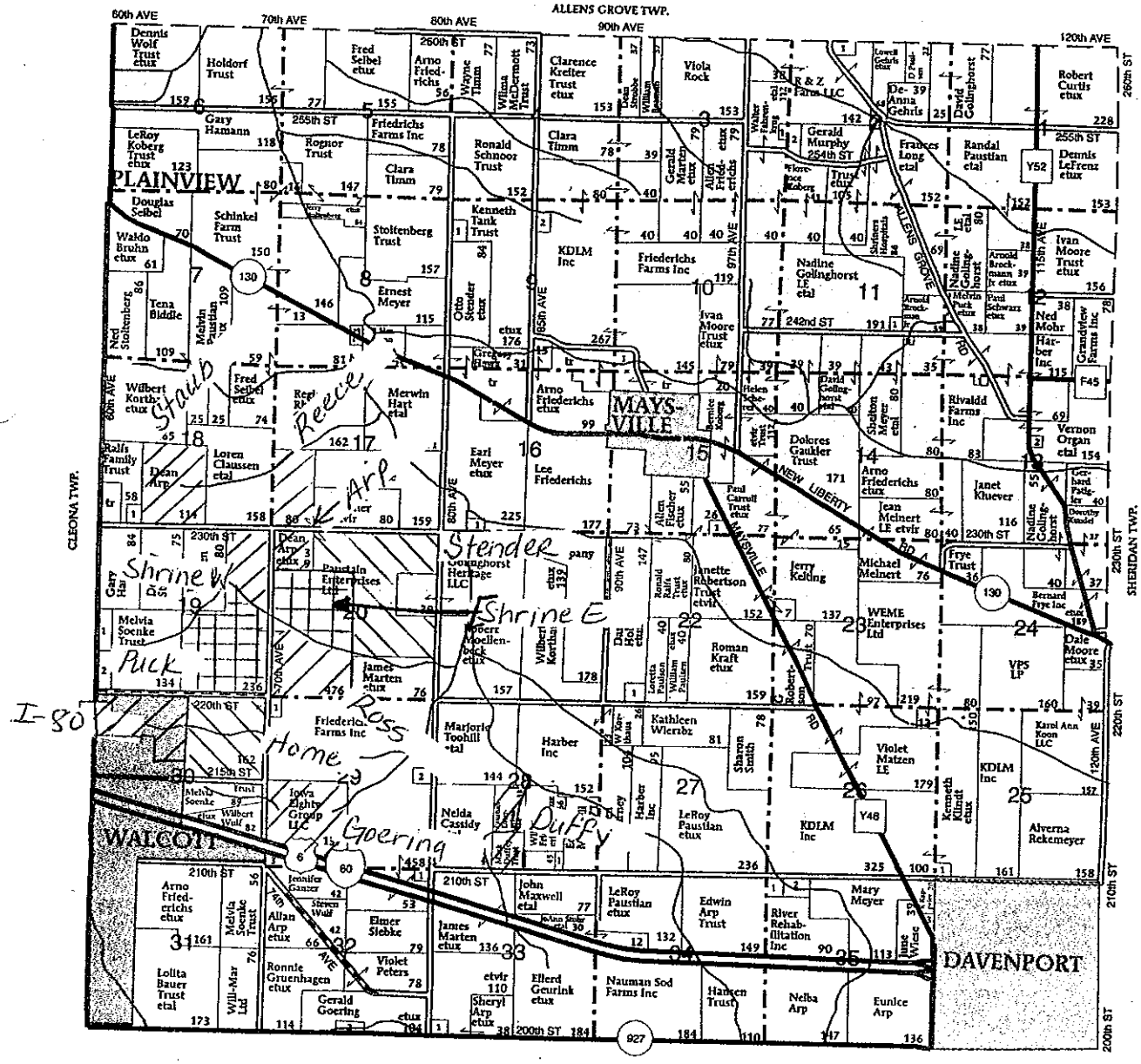
T-79-N HICKORY GROVE PLAT R-2-E

(Landowners)



HICKORY GROVE TOWNSHIP

SECTION 2
1. Watts, Jill
2. Schoenthaler, Jeremy

SECTION 3
1. Gevers, Andrew

SECTION 8
1. Kling, Gerald

SECTION 9
1. Krakilo, Edward
2. Newmarch, Paul

SECTION 10
1. Jewell, Donna

SECTION 11
1. Holtz, Donald

SECTION 13
1. Cline, Derrick
2. Adrian, Gary

SECTION 15
1. Raifs, Terry

SECTION 16
1. Golinghorst, Robert

SECTION 18
1. Miller, John

SECTION 19
1. Duncan, Arthur
2. Schnoor, Gregory

SECTION 22
1. Paulsen, Roman

SECTION 25
1. Congdon, Dennis

SECTION 28
1. Belgarde, Edward

SECTION 29
1. Friedrichs, Earl
2. Friedrichs, Earl
3. Iowa Eighty Group LLC

SECTION 32
1. Kraft, Scott
2. Allison, Grant

SECTION 33
1. Knickrehm, John

SECTION 35
1. Roseman, Lysle
2. DeVault, Roy
3. Harris, Allen

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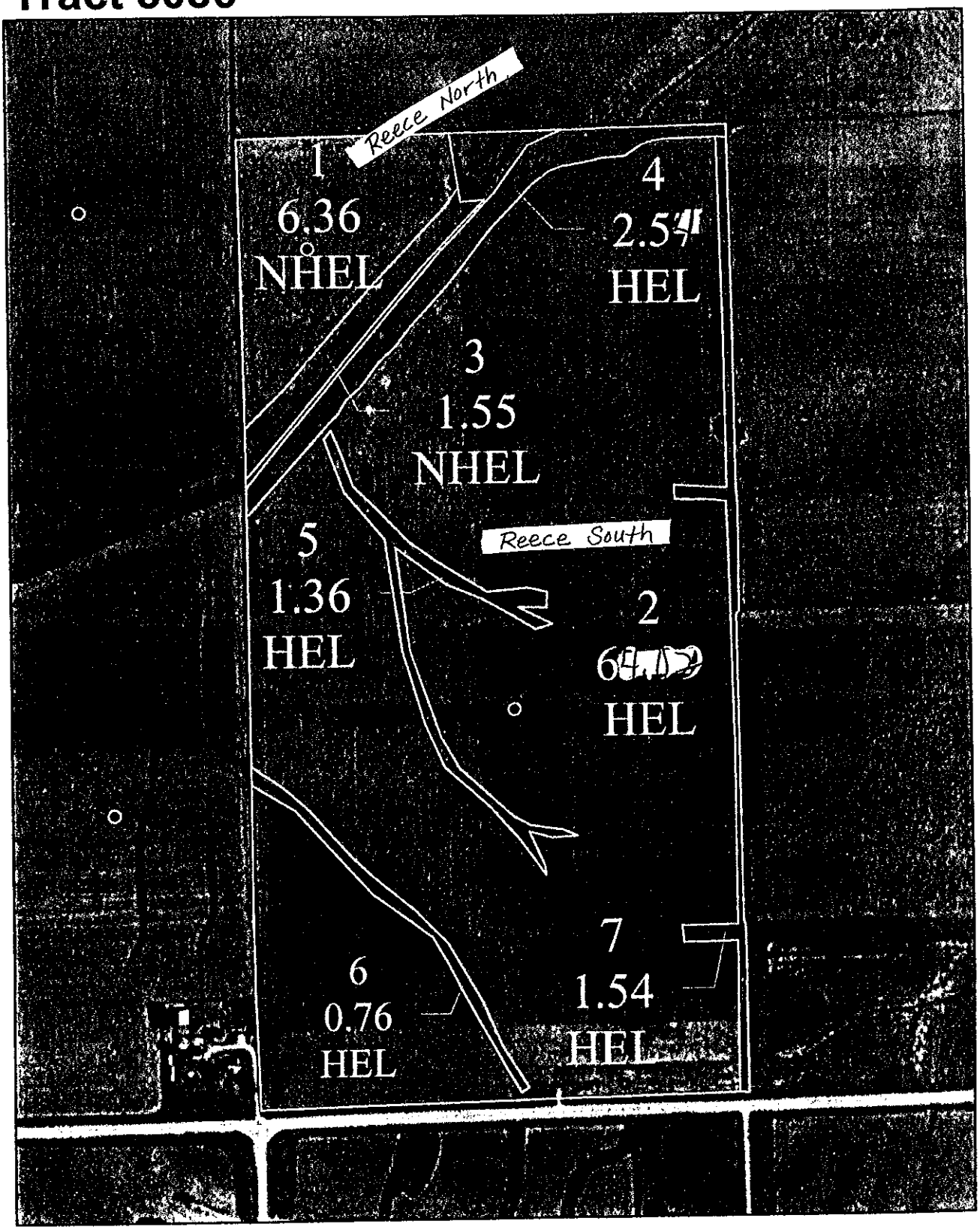
Farm 5175
Tract 3036

SECTION: 17 Reece
TWP: Hickory Grove

NORTH



USDA

Prepared by SCOTT CO. FSA

Map Printed: February 01, 2006

Legend

- Wetland Determination

Field Boundary

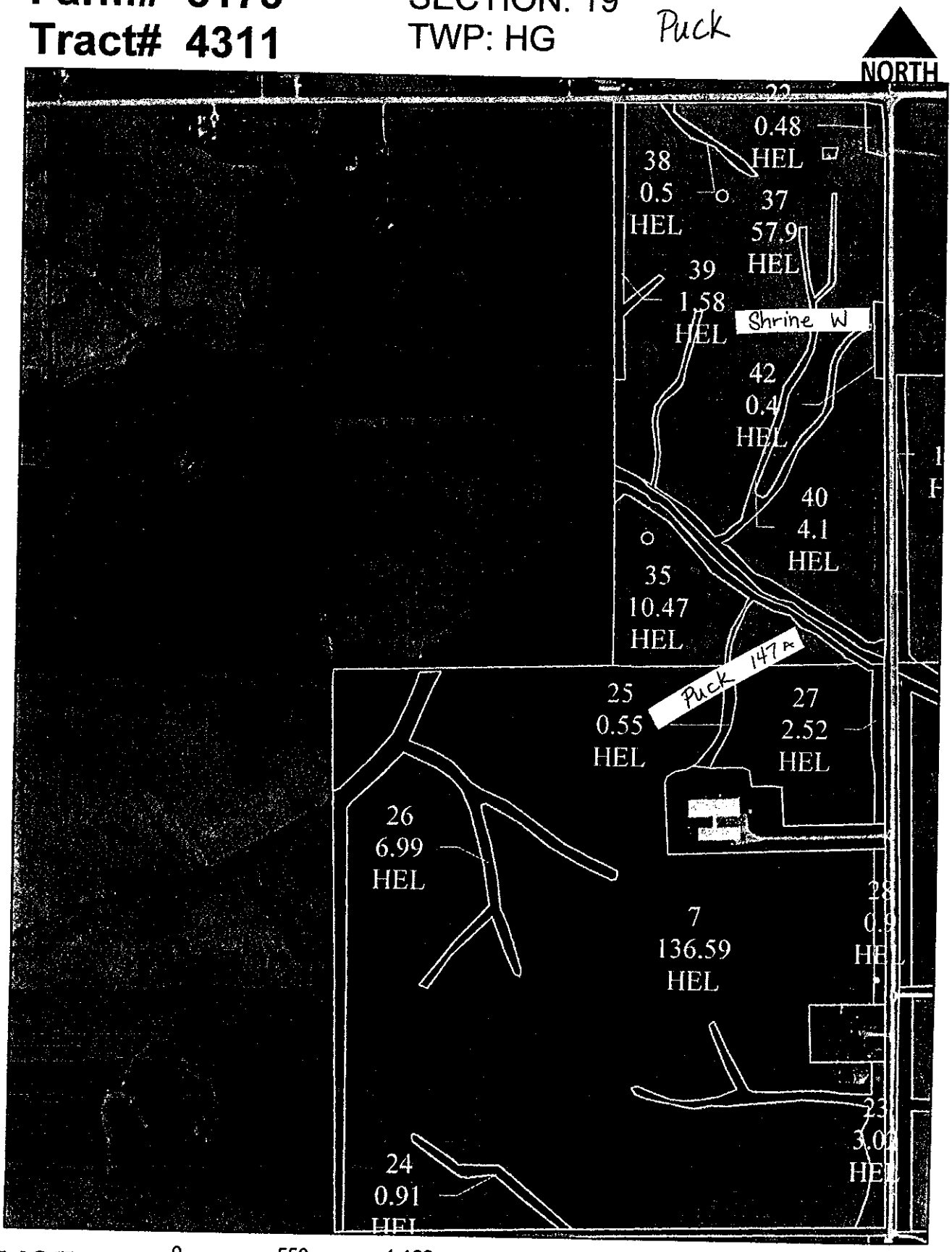
0 500 1,000 2,000 Feet

1 inch equals 387.646043 feet

Farm# 5175
Tract# 4311

SECTION: 19
TWP: HG

Shrine W
Puck



USDA

Prepared by SCOTT CO. FSA

Map Printed: March 08, 2007

Legend

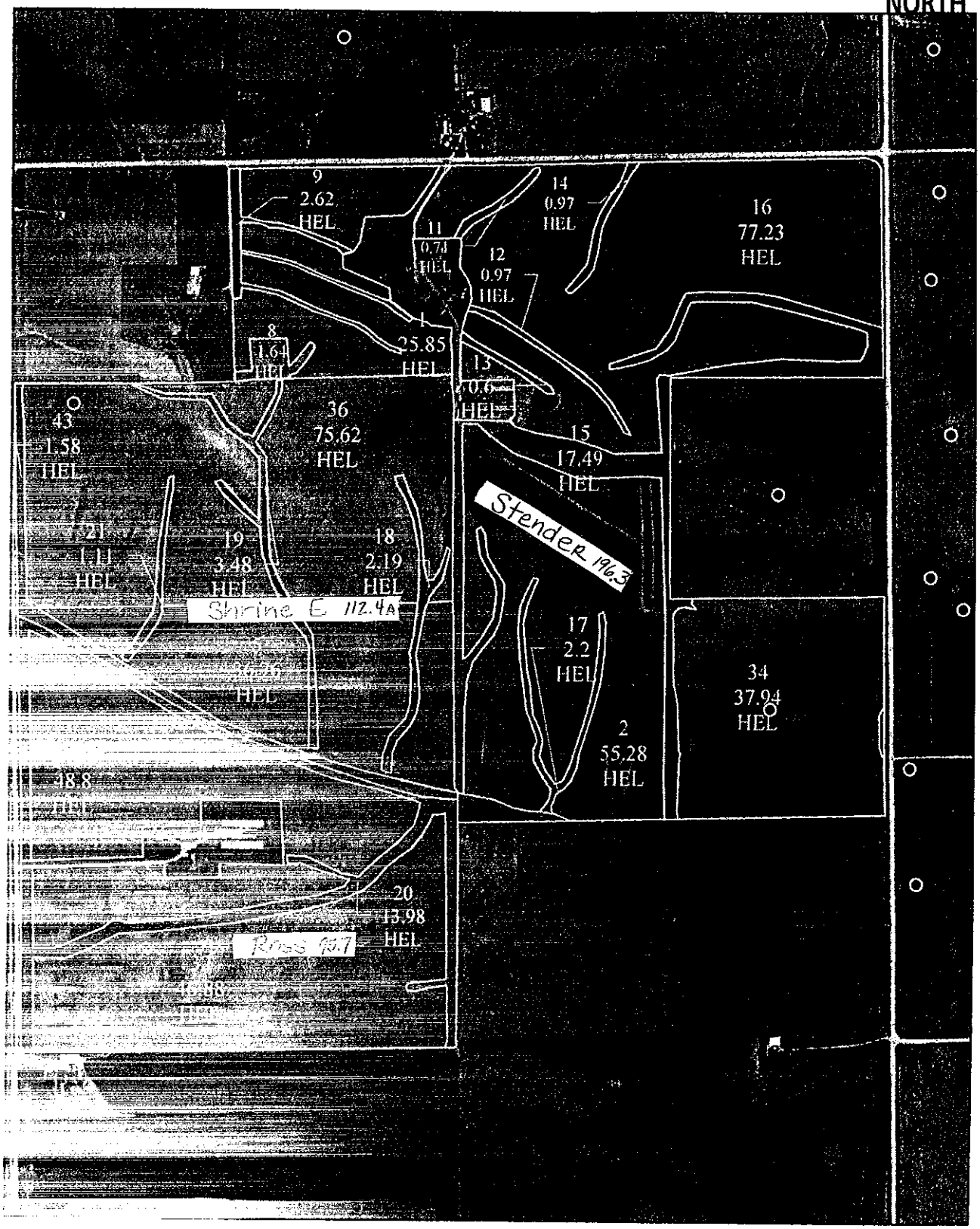
- Wetland Determination

Field Boundary

Farm# 5175
Tract# 4311

SECTION: 20
TWP: HG

Stender
Shrine E
Ross



USDA

0 700 1,400 2,800 Feet

1 inch equals 870.829834 feet

Prepared by SCOTT CO. FSA

Map Printed: March 08, 2007

Legend

- Wetland Determination

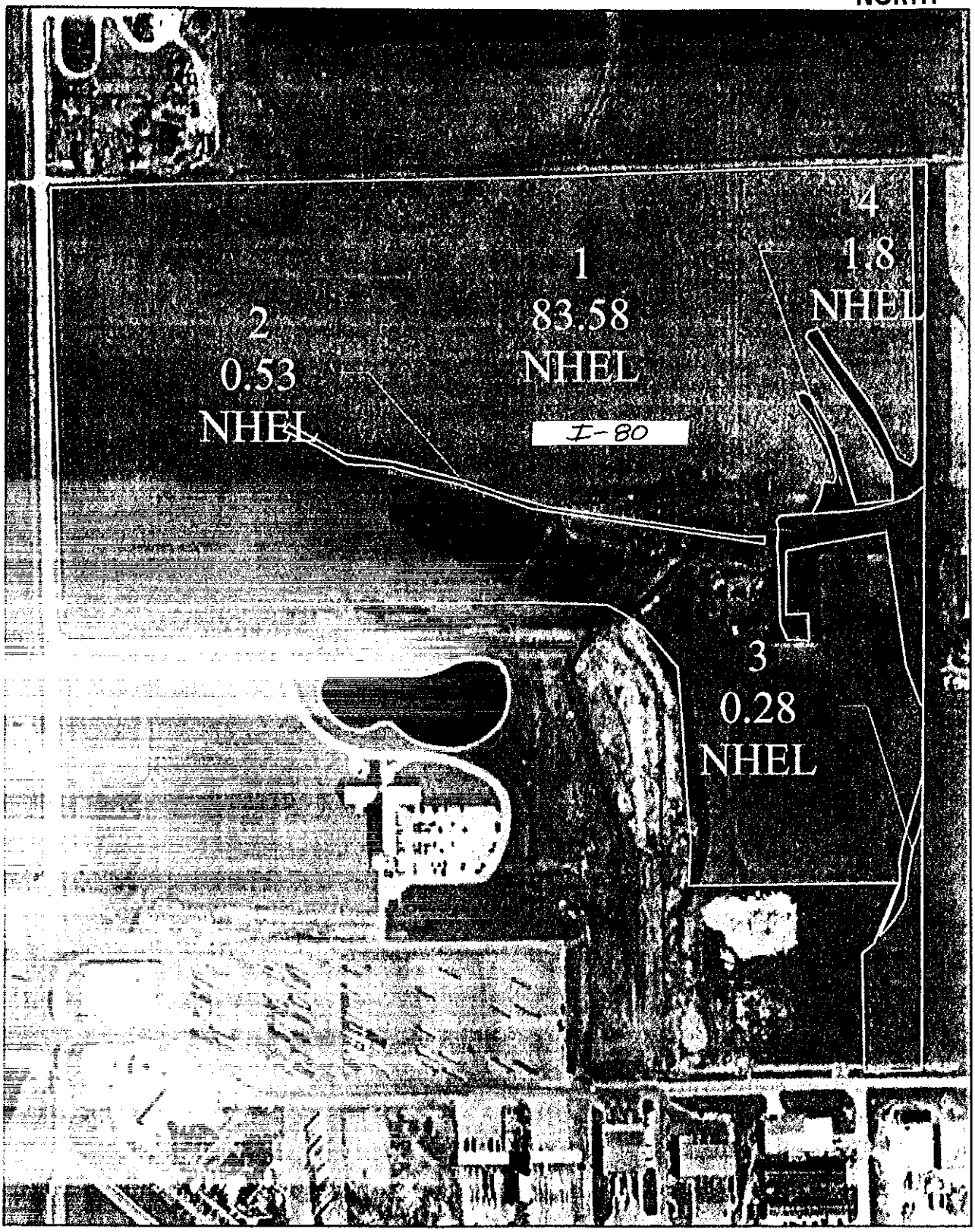
Field Boundary

Farm# 4114
Tract# 590

SECTION: 30
TWP: HG

I-80

NORTH



USDA

0 475 950 1,900 Feet

1 inch equals 423.390113 feet

Prepared by SCOTT CO. FSA

Map Printed: March 20, 2006

Legend

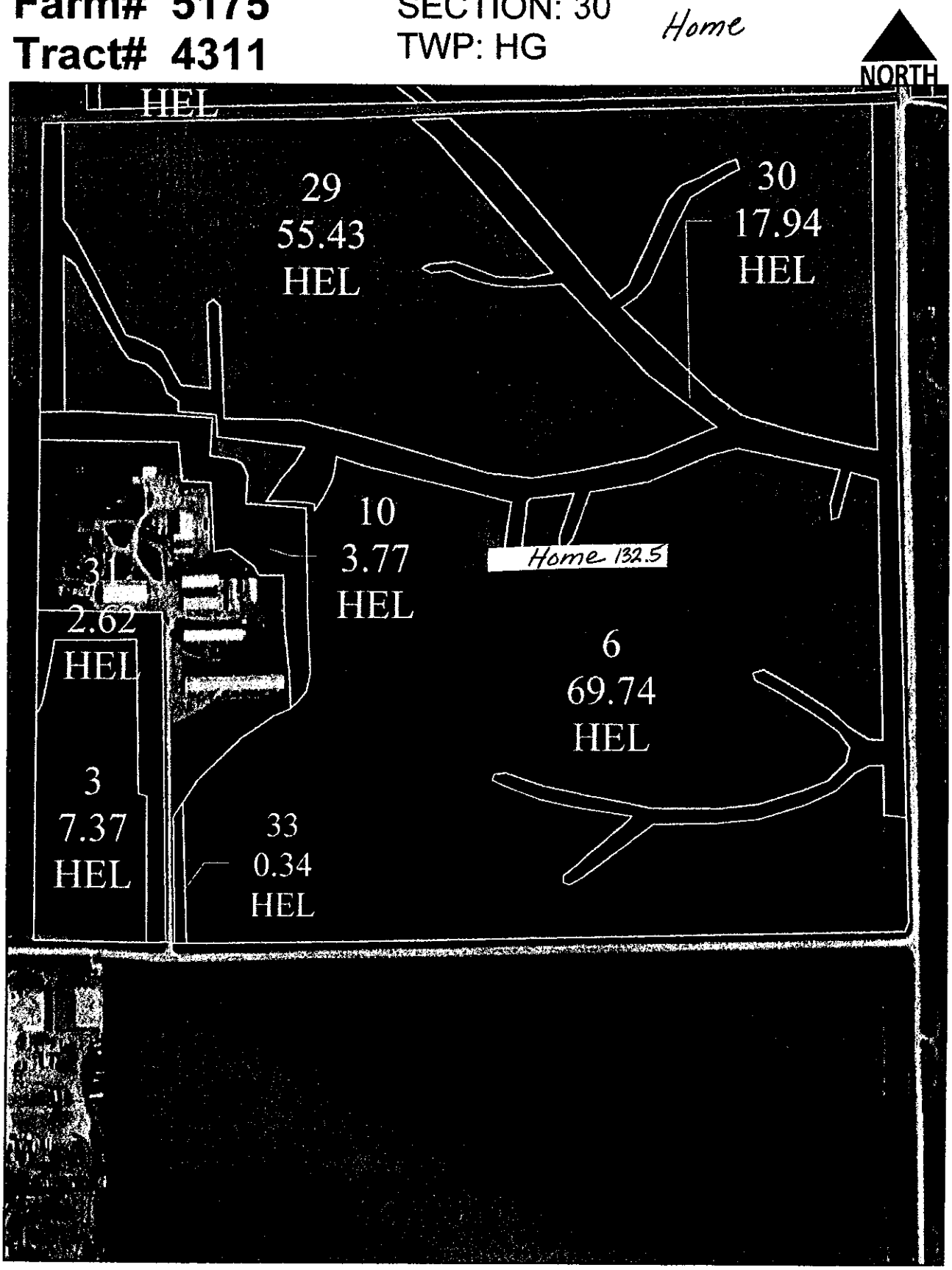
- Wetland Determination

Field Boundary

Farm# 5175
Tract# 4311

SECTION: 30
TWP: HG

Home



USDA

0 385 770 1,540 Feet

1 inch equals 453.159763 feet

Prepared by SCOTT CO. FSA

Map Printed: March 08, 2007

Legend

- Wetland Determination

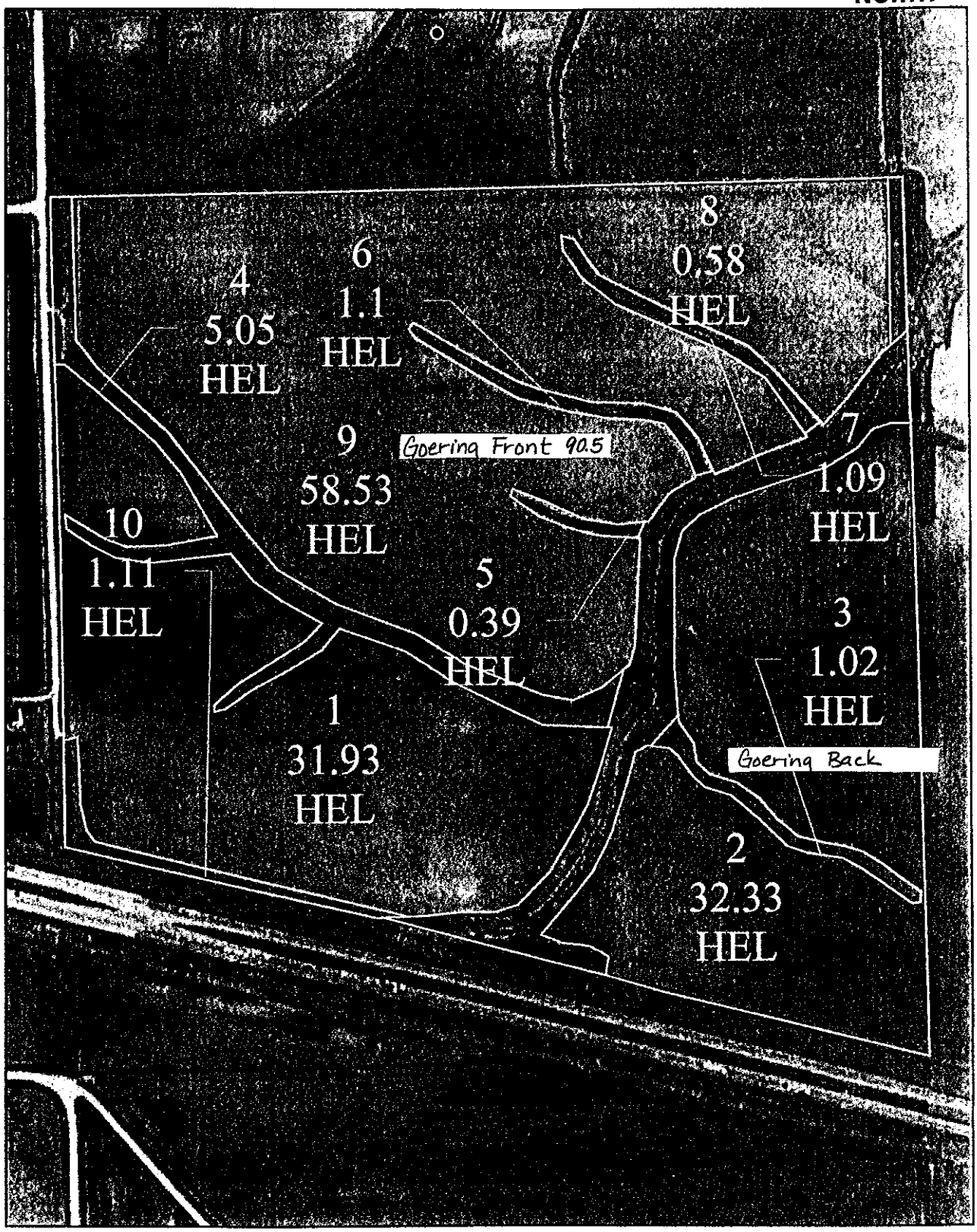
Field Boundary

Farm# 4115
Tract# 905

SECTION: 29
TWP: HG

Goering

NORTH



USDA

0 500 1,000 2,000 Feet

1 inch equals 444.350643 feet

Legend

- Wetland Determination

Field Boundary

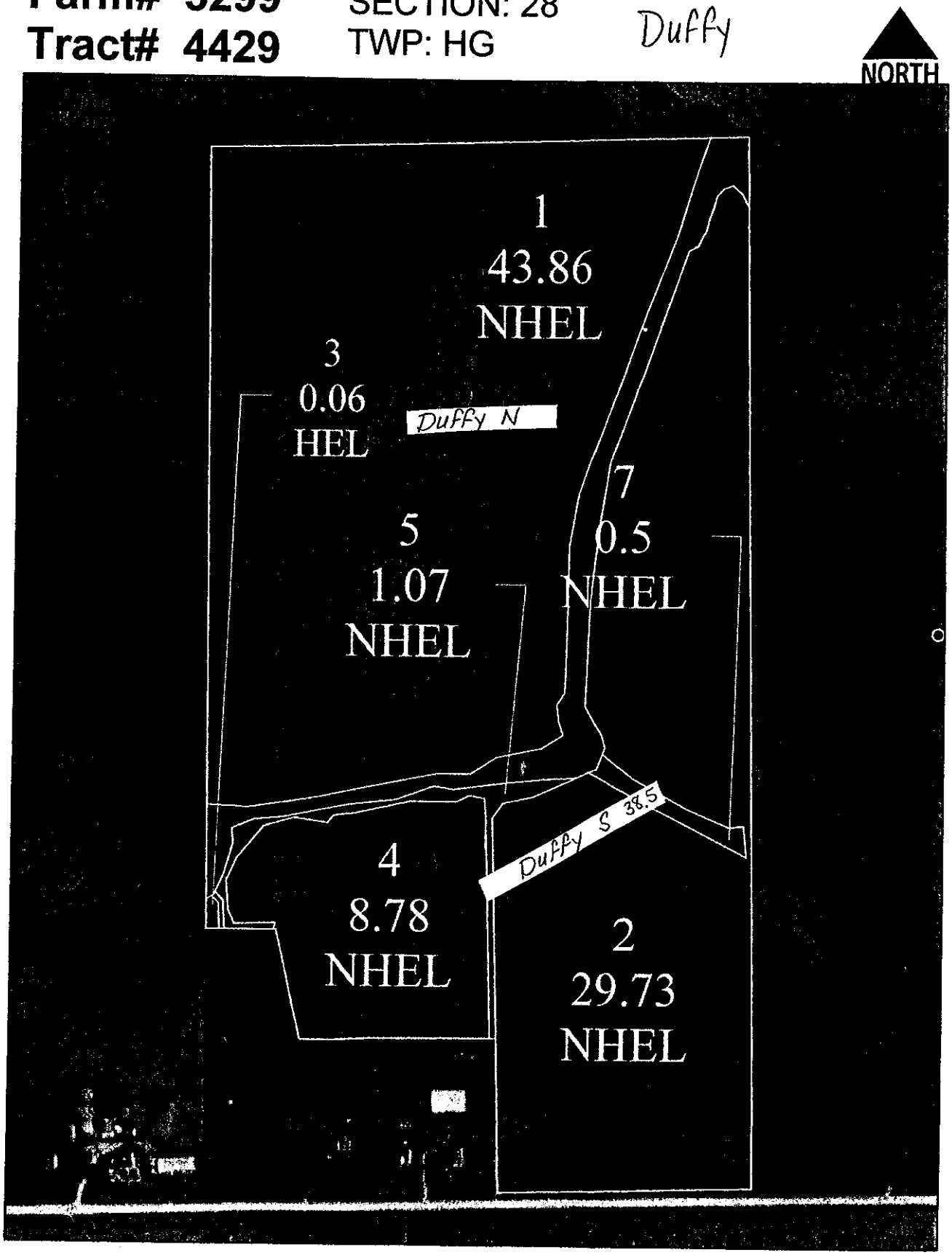
Prepared by SCOTT CO. FSA

Map Printed: March 20, 2006

Farm# 5299
Tract# 4429

SECTION: 28
TWP: HG

Duffy



USDA

0 385 770 1,540 Feet

1 inch equals 379.395759 feet

Prepared by SCOTT CO. FSA

Map Printed: March 06, 2007

Legend

- Wetland Determination

Field Boundary

USDA NRCS

RUSLE2 Profile Erosion Calculation Record

Staub Farm, Reece N & S, Stender and I-80 (Paustain)

Inputs:

Location: Iowa\Scott County
Soil: 120C2 TAMA SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPES, MODERATELY ERODED\TAMA silty clay loam 100%
Slope length (horiz): 200 ft
Avg. slope steepness: 7.0 %

Management	*Vegetation*	*Yield units*	*Yield (# of units)*
CMZ 04\c.Other Local Mgt Records\Paustain	Corn, grain	bushels	195.00
CMZ 04\c.Other Local Mgt Records\Paustain	Corn, grain	bushels	195.00

Contouring: a. rows up-and-down hill
Strips/barriers: (none)
Diversion/terrace, sediment basin: (none)
Subsurface drainage: (none)
Adjust res. burial level: Normal res. burial

Outputs:

T value: 5.0 t/ac/yr
Soil loss erod. portion: 2.8 t/ac/yr
Detachment on slope: 2.8 t/ac/yr
Soil loss for cons. plan: 2.8 t/ac/yr
Sediment delivery: 2.8 t/ac/yr

Crit. slope length: -- ft
Surf. cover after planting: -- %

Date	*Operation*	*Vegetation*	*Surf. res. cov. after op, %*
11/1/0	Harvest, killing crop 70pct standing stubble		76
11/10/0	Manure injector, liquid low disturb.30 inch		92
11/19/0	Chisel, st. pt. 12 in deep		71
4/1/1	Rotary hoe, residue		71
5/10/1	planter, double disk opnr	Corn, grain	69
10/20/1	Harvest, killing crop 70pct standing stubble		76
11/1/1	Manure injector, liquid low disturb.30 inch		92
11/15/1	Chisel, st. pt. 12 in deep		70
4/1/2	Rotary hoe, residue		70
4/18/2	Planter, double disk opnr	Corn, grain	71

USDA NRCS

RUSLE2 Profile Erosion Calculation Record

Shrine W (Paustain)

Inputs:
Location: Iowa\Scott County
Soil: 120C TAMA SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPES\TAMA silty clay loam 95%
Slope length (horiz): 200 ft
Avg. slope steepness: 7.0 %

Management	*Vegetation*	*Yield units*	*Yield (# of units)*
CMZ 04\c.Other Local Mgt Records\Paustain	Corn, grain	bushels	200.00
CMZ 04\c.Other Local Mgt Records\Paustain	Corn, grain	bushels	200.00

Contouring: a. rows up-and-down hill
Strips/barriers: (none)
Diversion/terrace, sediment basin: (none)
Subsurface drainage: (none)
Adjust res. burial level: Normal res. burial

Outputs:
T value: 5.0 t/ac/yr
Soil loss erod. portion: 2.4 t/ac/yr
Detachment on slope: 2.4 t/ac/yr
Soil loss for cons. plan: 2.4 t/ac/yr
Sediment delivery: 2.4 t/ac/yr

Crit. slope length: -- ft
Surf. cover after planting: -- %

Date	*Operation*	*Vegetation*	*Surf. res. cov. after op, %*
11/1/0	Harvest, killing crop 70pct standing stubble		76
11/10/0	Manure injector, liquid low disturb.30 inch		93
11/19/0	Chisel, st. pt. 12 in deep		72
4/1/1	Rotary hoe, residue		72
5/10/1	planter, double disk opnr	Corn, grain	70
10/20/1	Harvest, killing crop 70pct standing stubble		77
11/1/1	Manure injector, liquid low disturb.30 inch		92
11/15/1	Chisel, st. pt. 12 in deep		71
4/1/2	Rotary hoe, residue		71
4/18/2	Planter, double disk opnr	Corn, grain	72

RUSLE2 Profile Erosion Calculation Record

Shrine E (Paustain)

Inputs:
Location: Iowa\Scott County
Soil: 442D2 TAMA, SANDY SUBSTRATUM-DICKINSON COMPLEX, 9 TO 14 PERCENT SLOPES, MODERATELY ERODED\TAMA silty clay loam 50%
Slope length (horiz): 150 ft
Avg. slope steepness: 12 %

Management	*Vegetation*	*Yield units*	*Yield (# of units)*
CMZ 04\c.Other Local Mgt Records\Paustain	Corn, grain	bushels	112.00
CMZ 04\c.Other Local Mgt Records\Paustain	Corn, grain	bushels	112.00

Contouring: b. absolute row grade 3 percent
Strips/barriers: (none)
Diversion/terrace, sediment basin: (none)
Subsurface drainage: (none)
Adjust res. burial level: Normal res. burial

Outputs:
T value: 4.0 t/ac/yr
Soil loss erod. portion: 9.5 t/ac/yr
Detachment on slope: 9.5 t/ac/yr
Soil loss for cons. plan: 9.5 t/ac/yr
Sediment delivery: 9.5 t/ac/yr

Crit. slope length: 150 ft
Surf. cover after planting: -- %

Date	*Operation*	*Vegetation*	*Surf. res. cov. after op, %*
11/1/0	Harvest, killing crop 70pct standing stubble		57
11/10/0	Manure injector, liquid low disturb.30 inch		78
11/19/0	Chisel, st. pt. 12 in deep		52
4/1/1	Rotary hoe, residue		52
5/10/1	planter, double disk opnr	Corn, grain	50
10/20/1	Harvest, killing crop 70pct standing stubble		57
11/1/1	Manure injector, liquid low disturb.30 inch		78
11/15/1	Chisel, st. pt. 12 in deep		51
4/1/2	Rotary hoe, residue		51
4/18/2	Planter, double disk opnr	Corn, grain	52

RUSLE2 Profile Erosion Calculation Record

Puck (Paustain)

Inputs:
Location: Iowa\Scott County
Soil: 377C2 DINSDALE SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPES, MODERATELY ERODED\DINSDALE silty clay loam 100%
Slope length (horiz): 200 ft
Avg. slope steepness: 7.0 %

Management	*Vegetation*	*Yield units*	*Yield (# of units)*
CMZ 04\c.Other Local Mgt Records\Paustain	Corn, grain	bushels	187.00
CMZ 04\c.Other Local Mgt Records\Paustain	Corn, grain	bushels	187.00

Contouring: b. absolute row grade 3 percent
Strips/barriers: (none)
Diversion/terrace, sediment basin: (none)
Subsurface drainage: (none)
Adjust res. burial level: Normal res. burial

Outputs:
T value: 5.0 t/ac/yr
Soil loss erod. portion: 2.5 t/ac/yr
Detachment on slope: 2.5 t/ac/yr
Soil loss for cons. plan: 2.5 t/ac/yr
Sediment delivery: 2.5 t/ac/yr

Crit. slope length: 200 ft
Surf. cover after planting: -- %

Date	*Operation*	*Vegetation*	*Surf. res. cov. after op, %*
11/1/0	Harvest, killing crop 70pct standing stubble		74
11/10/0	Manure injector, liquid low disturb.30 inch		91
11/19/0	Chisel, st. pt. 12 in deep		70
4/1/1	Rotary hoe, residue		70
5/10/1	planter, double disk opnr	Corn, grain	67
10/20/1	Harvest, killing crop 70pct standing stubble		75
11/1/1	Manure injector, liquid low disturb.30 inch		91
11/15/1	Chisel, st. pt. 12 in deep		69
4/1/2	Rotary hoe, residue		69
4/18/2	Planter, double disk opnr	Corn, grain	69

RUSLE2 Profile Erosion Calculation Record

Goering and Duffy (Paustain)

Inputs:
Location: Iowa\Scott County
Soil: 920C2 TAMA SILTY CLAY LOAM, SANDY SUBSTRATUM, 5 TO 9 PERCENT SLOPES, MODERATELY ERODED\TAMA silty clay loam 100%
Slope length (horiz): 200 ft
Avg. slope steepness: 7.0 %

Management	*Vegetation*	*Yield units*	*Yield (# of units)*
CMZ 04\c.Other Local Mgt Records\Paustain	Corn, grain	bushels	168.00
CMZ 04\c.Other Local Mgt Records\Paustain	Corn, grain	bushels	168.00

Contouring: b. absolute row grade 3 percent
Strips/barriers: (none)
Diversion/terrace, sediment basin: (none)
Subsurface drainage: (none)
Adjust res. burial level: Normal res. burial

Outputs:
T value: 4.0 t/ac/yr
Soil loss erod. portion: 3.0 t/ac/yr
Detachment on slope: 3.0 t/ac/yr
Soil loss for cons. plan: 3.0 t/ac/yr
Sediment delivery: 3.0 t/ac/yr

Crit. slope length: 200 ft
Surf. cover after planting: -- %

Date	*Operation*	*Vegetation*	*Surf. res. cov. after op, %*
11/1/0	Harvest, killing crop 70pct standing stubble		71
11/10/0	Manure injector, liquid low disturb.30 inch		89
11/19/0	Chisel, st. pt. 12 in deep		66
4/1/1	Rotary hoe, residue		66
5/10/1	planter, double disk opnr	Corn, grain	64
10/20/1	Harvest, killing crop 70pct standing stubble		71
11/1/1	Manure injector, liquid low disturb.30 inch		89
11/15/1	Chisel, st. pt. 12 in deep		65
4/1/2	Rotary hoe, residue		65
4/18/2	Planter, double disk opnr	Corn, grain	66

Iowa Department of Natural Resources
1900 North Grand Ave.
Gateway N Mall, Suite E17
Spencer, Iowa 51301

FAX SHEET

DELIVER TO: Scott County Auditor **PHONE:** 1-563-326-8643

FAX NUMBER: 1-563-326-8257

FROM: Iowa DNR, Paul Petitti

NUMBER OF PAGES (including this cover sheet): 4

MESSAGE: **This is a Courtesy Reminder: Iowa law requires that your board of supervisors publish a notice in the newspaper and submit the board's master matrix scoring and recommendation for the construction permit application of the confinement feeding operation, as explained in the attached letter. Please take note of the deadlines. If you have any questions, please call.**

Our Fax Number is: 712/262-2901

Any problems with transmission call: 712/262-4177

revised 1/2011(lw)

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542-1352.4

Fields of Opportunities

STATE OF IOWA

TERRY E. BRANSTAD, GOVERNOR
KIM REYNOLDS, LT. GOVERNOR

DEPARTMENT OF NATURAL RESOURCES
CHUCK GIPP, DIRECTOR

August 20, 2012

Scott County Board of Supervisors
c/o County Auditor
Via facsimile only

REF: Public Notice, Matrix Evaluation and County's Recommendation Required
DNR's Facility ID No. 62367

Dear Board of Supervisors:

The DNR has received a construction permit application for a confinement feeding operation:
Facility name: **Sow Unit**

Under Iowa law, for this application the County is required to complete the following actions:

1. Publish a public notice (see example on page following this letter) in a newspaper having a general circulation in the county no later than 09/04/2012 (within 14 days of DNR's receipt of the application) and furnish proof of publication to the DNR:

   Note: A public hearing is not required, but it is optional. However, if the board chooses to have a public hearing, it is recommended to include in the notice the date, time and place for the hearing.

2. Score the applicant's Master Matrix and submit the board's recommendation regarding this application. The county must submit to the DNR all of the following:

   A) A recommendation to approve or to disapprove the application.
   B) Your scoring of the Matrix, including all supporting calculations.
   C) A copy of the Matrix as approved by the board.
   D) Proof of publication of Public Notice.

Your recommendation and Matrix score must be received by the DNR no later than 09/19/2012 (30 days after DNR received the application).

NOTE: If the County does not submit the Matrix score and recommendation by the deadline, the DNR will not consider any subsequent County's scoring of the Matrix or recommendation until the next time the County is eligible to adopt an evaluation resolution.

3. The board may submit comments or may forward comments from the public, which must be **received** by DNR no later than 09/19/2012. Comments received after that date due will not be considered. Comments may include but are not limited to the following:
   a. The existence of an object or location not included in the application that benefits from a separation distance requirement as provided in section 459.202 or 459.204 or 459.310 of the Code of Iowa.
   b. The suitability of soils and the hydrology of the site where construction of a confinement feeding operation structure is proposed.
   c. The availability of land for the application of manure originating from the confinement feeding operation.
   d. Whether the construction of a proposed confinement feeding operation structure will impede drainage through established tile lines, laterals, or other improvements which are constructed to facilitate the drainage of land not owned by the person applying for the construction permit.

4. The proof of publication, County's recommendation, Matrix scoring, a copy of the Matrix as approved by the board and any public comments must be **received** by IDNR no later than 09/19/2012. To ensure timely submittal, we recommend that you also **fax or scan and email** proof of publication, County's recommendation, Matrix scoring and a copy of the Matrix as approved by the board to:

   Send to:

   Iowa DNR
   Field Office #3
   1900 N Grand Ave
   Gateway North, Suite E17
   Spencer, IA 51301
   Attn: Paul Petitti
   Paul.Petitti@dnr.iowa.gov

If you have any questions about this process, please contact Paul at (712)262-4177.

Sincerely,

ENVIRONMENTAL SERVICES DIVISION

Paul Petitti

Field Services and Compliance Bureau

PUBLIC NOTICE

(This section is to be completed by the applicant)

The Scott County Board of Supervisors, has received a construction permit application for a confinement feeding operation, more specifically described as follows:

Name of Applicant: Kent Paustian
Location of the operation: Section 19 Hickory Grove Township.
Type of confinement feeding operation structure‡ proposed: One new deep pit swine gilt development barn at an existing confinement facility.

Animal Unit Capacity Of The Operation after Expansion: 1836 animal units.(808 head of gestating swine, 187 head of farrowing swine, 22 boars, 972 head of swine gilts and 2600 head of swine finishers)

(This section is to be completed by the county)

Examination: The application is on file at the County _____ Office and is available for public inspection during the following days: _____ and hours: _____ am to _____pm.
Comments: Written comments may be filed at the County _____ Office, until the following deadline: _____.

‡ A confinement feeding operation structure = a confinement building with a below the floor concrete pit; confinement building with an earthen basin or anaerobic lagoon; aboveground steel tank, etc. (see definition in footnote 1, page 1 of this application form).

APPENDIX C
MASTER MATRIX

Proposed Site Characteristics

The following scoring criteria apply to the site of the proposed confinement feeding operation. Mark <u>one</u> score under each criterion selected by the applicant. The proposed site must obtain a minimum overall score of 440 and a score of 53.38 in the "air" subcategory, a score of 67.75 in the "water" subcategory and a score of 101.13 in the "community impacts" subcateogry.

(1) Additional separation distance, above minimum requirements, from proposed confinement structure to the closest:
* Residence not owned by the owner of the confinement feeding operation,
* Hospital,
* Nursing home, or
* Licensed or registered child care facility.

	Score	Air	Water	Community
250 feet to 500 feet	25	16.25		8.75
501 feet to 750 feet	45	29.25		17.50
751 feet to 1,000 feet	65	42.25		22.75
* 1,001 feet to 1,250 feet	85	55.25		29.75
1,251 feet or more	100	65.00		35.00

(A) Refer to the construction permit application package to determine the animal unit capacity (or animal weight capacity if an expansion) of the proposed confinement feeding operation. Then refer to Table 6 of 567--Chapter 65 to determine minimum required separation distances.
(B) The department will award points only for the single building, of the four listed above, closest to the proposed confinement feeding operation.
(C) "Licensed child care center" -- a facility licensed by the department of human services providing child care or preschool services for seven or more children, except when the facility is registered as a child care home.
(D) "Registered child development homes" - child care providers certify that they comply with rules adopted by the department of human services. This process is voluntary for providers caring for five or fewer children and mandatory for providers caring for six or more children.
(E) A full listing of licensed and registered child care facilities is available at county offices of the department of human services.

(2) Additional separation distance, above minimum requirements, from proposed confinement structure to the closest public use area.

	Score	Air	Water	Community
250 feet to 500 feet	5	2.00		3.00
501 feet to 750 feet	10	4.00		6.00
751 feet to 1,000 feet	15	6.00		9.00
1,001 feet to 1,250 feet	20	8.00		12.00
1,251 feet to 1,500 feet	25	10.00		15.00

1,501 feet or more	30	12.00		18.00

(A) Refer to the construction permit application package to determine the animal unit capacity (or animal weight capacity if an expansion) of the proposed confinement feeding operation. Then refer to Table 6 of 567--Chapter 65 to determine minimum required separation distances.
(B) "Public use area" - a portion of land owned by the United States, the state, or a political subdivision with facilities which attract the public to congregate and remain in the area for significant periods of time. Facilities include, but are not limited to, picnic grounds, campgrounds, cemeteries, lodges, shelter houses, playground equipment, lakes as listed in Table 2 of 567--Chapter 65, and swimming beaches. It does not include a highway, road right-of-way, parking areas, recreational trails or other areas where the public passes through, but does not congregate or remain in the area for significant periods of time.

3 Additional separation distance, above minimum requirements, from proposed confinement structure to the closest:
* Educational institution,
* Religious institution, or
* Commercial enterprise.

	Score	Air	Water	Community
250 feet to 500 feet	5	2.00		3.00
501 feet to 750 feet	10	4.00		6.00
751 feet to 1,000 feet	15	6.00		9.00
1,001 feet to 1,250 feet	20	8.00		12.00
1,251 feet to 1,500 feet	25	10.00		15.00
1,501 feet or more	30	12.00		18.00

(A) Refer to the construction permit application package to determine the animal unit capacity (or animal weight capacity if an expansion) of the proposed confinement feeding operation. Then refer to Table 6 of 567--Chapter 65 to determine minimum required separation distances.
(B) The department will award points only for the single building, of the three listed above, closest to the proposed confinement feeding operation.
(C) "Educational institution" - a building in which an organized course of study or training is offered to students enrolled in kindergarten through grade 12 and served by local school districts, accredited or approved nonpublic schools, area educational agencies, community colleges, institutions of higher education under the control of the state board of regents, and accredited independent colleges and universities.
(D) "Religious institution" - a building in which an active congregation is devoted to worship.
(E) "Commercial enterprise" - a building which is used as a part of a business that manufactures goods, delivers services, or sells goods or services, which is customarily and regularly used by the general public during the entire calendar year and which is connected to electric, water, and sewer systems. A commercial enterprise does not include a farm operation.

4 Additional separation distance, above minimum requirement of 500 feet, from proposed confinement structure to the closest water source.

	Score	Air	Water	Community
250 feet to 500 feet	5		5.00	
501 feet to 750 feet	10		10.00	
751 feet to 1,000 feet	15		15.00	
1,001 feet to 1,250 feet	20		20.00	
1,251 feet to 1,500 feet	25		25.00	
1,501 feet or more	30		30.00	

"Water source" - a lake, river, reservoir, creek, stream, ditch, or other body of water or channel having definite banks and a bed with water flow, except lakes or ponds without an outlet to which only one landowner is riparian.

5 Separation distance of 300 feet or more from the proposed confinement structure to the nearest thoroughfare.

	Score	Air	Water	Community
300 feet or more	30	9.00		21.00

(A) "Thoroughfare" - a road, street, bridge, or highway open to the public and constructed or maintained by the state or a political subdivision.
(B) The 300-foot distance includes the 100-foot minimum setback plus additional 200 feet.

6 Additional separation distance, above minimum requirements, from proposed confinement structure to the closest critical public area.

	Score	Air	Water	Community
500 feet or more	10	4.00		6.00

(A) All critical public areas as defined in 567--65.1(455B), are public use areas, and therefore subject to public use area minimum separation distances.
(B) Refer to the construction permit application package to determine the animal unit capacity (or animal weight capacity if an expansion) of the proposed confinement feeding operation. Then refer to Table 6 of 567--Chapter 65 to determine minimum required separation distances.

7 Proposed confinement structure is at least two times the minimum required separation distance from all private and public water wells.

	Score	Air	Water	Community
Two times the minimum separation distance	30		24.00	6.00

Refer to Table 6 of 567--Chapter 65 for minimum required separation distances to wells.

8 Additional separation distance, above the minimum requirement of 1,000 feet, from proposed confinement structure to the closest:
* Agricultural drainage well,
* Known sinkhole, or
* Major water source.

	Score	Air	Water	Community
250 feet to 500 feet	5	0.50	2.50	2.00
501 feet to 750 feet	10	1.00	5.00	4.00
751 feet to 1,000 feet	15	1.50	7.50	6.00
1,001 feet to 1,250 feet	20	2.00	10.00	8.00
1,251 feet to 1,500 feet	25	2.50	12.50	10.00
1,501 feet to 1,750 feet	30	3.00	15.00	12.00
1,751 feet to 2,000 feet	35	3.50	17.50	14.00
2,001 feet to 2,250 feet	40	4.00	20.00	16.00
2,251 feet to 2,500 feet	45	4.50	22.50	18.00
2,501 feet or more	50	5.00	25.00	20.00

(A) The department will award points only for the single item, of the three listed above, that is closest to the proposed confinement feeding operation.
(B) "Agricultural drainage wells" - include surface intakes, cisterns and wellheads of agricultural drainage wells.
(C) "Major water source" - a lake, reservoir, river or stream located within the territorial limits of the state, or any marginal river area adjacent to the state which can support a floating vessel capable of carrying one or more persons during a total of a six-month period in one out of ten years, excluding periods of flooding. Major water sources in the state are listed in Tables 1 and 2 in 567--Chapter 65.

---

9 Distance between the proposed confinement structure and the nearest confinement facility that has a submitted department manure management plan.

	Score	Air	Water	Community
Three-quarter of a mile or more (3,960 feet)	25	7.50	7.50	10.00

Confinement facilities include swine, poultry, and dairy and beef cattle.

---

10 Separation distance from proposed confinement structure to closest:
*High quality (HQ) waters,
* High quality resource (HQR) waters, or
* Protected water areas (PWA)
is at least two times the minimum required separation distance

	Score	Air	Water	Community
Two times the minimum separation distance	30		22.50	7.50

(A) The department will award points only for the single item, of the three listed above, closest to the proposed confinement feeding operation.
(B) HQ waters are identified in 567--Chapter 61.
(C) HQR waters are identified in 567--Chapter 61.
(D) A listing of PWAs is available at http://www.state.ia.us/government/dnr/organiza/ppd/prowater.htm#Location%20of%20PWA's%20in.

---

11 Air quality modeling results demonstrating an annoyance level less than 2 percent of the time for residences within two times the minimum separation distance.

	Score	Air	Water	Community
University of Minnesota OFFSET model results demonstrating an annoyance level less than 2 percent of the time	10	6.00		4.00

(A) OFFSET can be found at http://www.extension.umn.edu/distribution/livestocksystems/DI7680.html. For more information, contact Dr. Larry Jacobson, University of Minnesota, (612) 625-8288, jacob007@tc.umn.edu .
(B) A residence that has a signed waiver for the minimum separation distance cannot be included in the model.
(C) Only the OFFSET model is acceptable until the department recognizes other air quality models.

---

12 Liquid manure storage structure is covered.

	Score	Air	Water	Community
Covered liquid manure storage	30	27.00		3.00

(A) "Covered" - organic or inorganic material, placed upon an animal feeding operation structure used to store manure, which significantly reduces the exchange of gases between the stored manure and the outside air. Organic materials include, but are not limited to, a layer of chopped straw, other crop residue, or a naturally occurring crust on the surface of the stored manure. Inorganic materials include, but are not limited to, wood, steel, aluminum, rubber, plastic, or Styrofoam. The materials shall shield at least 90 percent of the surface area of the stored manure from the outside air. Cover shall include an organic or inorganic material which current scientific research shows reduces detectable odor by at least 75 percent. A formed manure storage structure directly beneath a floor where animals are housed in a confinement feeding operation is deemed to be covered.
(B) The design, operation and maintenance plan for the manure cover must be in the construction permit application and made a condition in the approved construction permit.

---

13 Construction permit application contains design, construction, operation and maintenance plan for emergency containment area at manure storage structure pump-out area.

	Score	Air	Water	Community
Emergency containment	20		18.00	2.00

(A) The emergency containment area must be able to contain at least 5 percent of the total volume capacity of the manure storage structure.
(B) The emergency containment area must be constructed on soils that are fine-grained and have low permeability.
(C) If manure is spilled into the emergency containment area, the spill must be reported to the department within six hours of onset or discovery.
(D) The design, construction, operation and maintenance plan for the emergency containment area must be in the construction permit application and made a condition in the approved construction permit.

---

14 Installation of a filter(s) designed to reduce odors from confinement building(s) exhaust fan(s).

	Score	Air	Water	Community
Installation of filter(s)	10	8.00		2.00

The design, operation and maintenance plan for the filter(s) must be in the construction permit application and made a condition in the approved construction permit.

---

15 Utilization of landscaping around confinement structure.

	Score	Air	Water	Community
Utilization of landscaping	20	10.00		10.00

The design, operation and maintenance plan for the landscaping must be in the construction permit application and made a condition in the approved construction permit. The design should contain at least three rows of trees and shrubs, of both fast and slow-growing species that are well suited for the site.

---

16 Enhancement, above minimum requirements, of structures used in stockpiling and composting activities, such as an impermeable pad and a roof or cover.

	Score	Air	Water	Community
Stockpile and compost facility enhancements	30	9.00	18.00	3.00

(A) ~~The design, operation and maintenance plan for the stockpile or compost structure enhancements must be in~~ the construction permit application and made a condition in the approved construction permit.
(B) The stockpile or compost structures must be located on land adjacent or contiguous to the confinement building.

---

17 Proposed manure storage structure is formed

	Score	Air	Water	Community

	Score	Air	Water	Community
Formed manure storage structure	30		27.00	3.00

(A) "Formed manure storage structure" - a covered or uncovered impoundment used to store manure from an animal feeding operation, which has walls and a floor constructed of concrete, concrete block, wood, steel, or similar materials. Similar materials may include, but are not limited to, plastic, rubber, fiberglass, or other synthetic materials. Materials used in a formed manure storage structure shall have the structural integrity to withstand expected internal and external load pressures.
(B) The design, operation and maintenance plan for the formed manure storage structure must be in the construction permit application and made a condition in the approved construction permit.

---

18 Manure storage structure is aerated to meet departmental standards as an aerobic structure, if aeration is not already required by the department.

	Score	Air	Water	Community
Aerated manure storage structure(s)	10	8.00		2.00

(A) Aerobic structure - an animal feeding operation structure other than an egg washwater storage structure which relies on aerobic bacterial action which is maintained by the utilization of air or oxygen and which includes aeration equipment to digest organic matter. Aeration equipment shall be used and shall be capable of providing oxygen at a rate sufficient to maintain an average of 2 milligrams per liter dissolved oxygen concentration in the upper 30 percent of the depth of manure in the structure at all times.
(B) The design, operation and maintenance plan for the aeration equipment must be in the construction permit application and made a condition in the approved construction permit.

---

19 Proposed confinement site has a suitable truck turnaround area so that semitrailers do not have to back into the facility from the road

	Score	Air	Water	Community
Truck turnaround	20			20.00

(A) The design, operation and maintenance plan for the truck turn around area must be in the construction permit application and made a condition in the approved construction permit.
(B) The turnaround area should be at least 120 feet in diameter and be adequately surfaced for traffic in inclement weather.

---

20 Construction permit applicant's animal feeding operation environmental and worker protection violation history for the last five years at all facilites in which the applicant has an interest.

	Score	Air	Water	Community
No history of Administrative Orders in last five years	30			30.00

(A) "Interest" - means ownership of a confinement feeding operation as a sole proprietor or a 10 percent or more ownership interest held by a person in a confinement feeding operation as a joint tenant, tenant in common, shareholder, partner, member, beneficiary or other equity interest holder. Ownership interest is an interest when it is held either directly, indirectly through a spouse or dependent child, or both.
(B) An environmental violation is a final Administrative Order (AO) from the department of natural resources or final court ruling against the construction permit applicant for environmental violations related to an animal feeding operation. A Notice of Violation (NOV) does not constitute a violation.

---

21 Construction permit applicant waives the right to claim a Pollution Control Tax Exemption for the life of the proposed confinement feeding operation structure.

	Score	Air	Water	Community

Permanent waiver of Pollution Control Tax Exemption	5			5.00

(A) Waiver of Pollution Control Tax Exemption is limited to the proposed structure(s) in the construction permit application.
(B) The department and county assessor will maintain a record of this waiver, and it must be in the construction permit application and made a condition in the approved construction permit.

22 Construction permit applicant can lawfully claim a Homestead Tax Exemption on the site where the proposed confinement structure is to be constructed
- OR -
the construction permit applicant is the closest resident to the proposed confinement structure.

	Score	Air	Water	Community
Site qualifies for Homestead Tax Exemption or permit applicant is closest resident to proposed structure	25			25.00

Proof of Homestead Tax Exemption is required as part of the construction permit application
(A) Applicant include persons who have ownership interests."Interest" - means ownership of a confinement feeding operation as a sole proprietor or a 10 percent or more ownership interest held by a person in a confinement feeding operation as a joint tenant, tenant in common, shareholder, partner, member, beneficiary or other equity interest holder. Ownership interest is an interest when it is held either directly, indirectly through a spouse or dependent child, or both.

23 Construction permit applicant can lawfully claim a Family Farm Tax Credit for agricultural land where the proposed confinement feeding operation is to be located pursuant to Iowa Code chapter 425A.

	Score	Air	Water	Community
Family Farm Tax Credit qualification	25			25.00

(A) Applicant include persons who have ownership interests. "Interest" - means ownership of a confinement feeding operation as a sole proprietor or a 10 percent or more ownership interest held by a person in a confinement feeding operation as a joint tenant, tenant in common, shareholder, partner, member, beneficiary or other equity interest holder. Ownership interest is an interest when it is held either directly, indirectly through a spouse or dependent child, or both.

24 Facility size.

	Score	Air	Water	Community
1 to 2,000 animal unit capacity	20			20.00
2,001 to 3,000 animal unit capacity	10			10.00
3,001 animal unit capacity or more	0			0.00

(A) Refer to the construction permit application package to determine the animal unit capacity of the proposed confinement structure at the completion of construction.
(B) If the proposed structure is part of an expansion, animal unit capacity (or animal weight capacity) must include all animals confined in adjacent confinement structures.
(C) Two or more animal feeding operations under common ownership or management are deemed to be a single animal feeding operation if they are adjacent or utilize a common area or system for manure disposal. In addition, for purposes of determining whether two or more confinement feeding operations are adjacent, all of the following must apply:
(a) At least one confinement feeding operation structure must be constructed on and after May 21, 1998.
(b) A confinement feeding operation structure which is part of one confinement feeding operation is separated by less than a minimum required distance from a confinement feeding operation structure which is part of the other confinement feeding operation. The minimum required distance shall be as follows:
(1) 1,250 feet for confinement feeding operations having a combined animal unit capacity of less than 1,000 animal units.
(2) 2,500 feet for confinement feeding operations having a combined animal unit capacity of 1,000 animal units or more.

25 Construction permit application includes livestock feeding and watering systems that significantly reduce manure volume.

	Score	Air	Water	Community
Wet/dry feeders or other feeding and watering systems that significantly reduce manure volume	25		12.50	12.50

The design, operation and maintenance plan for the feeding system must be in the construction permit application and made a condition in the approved construction permit.

Proposed Site Operation and Manure Management Practices

The following scoring criteria apply to the operation and manure management characteristics of the proposed confinement feeding operation. Mark <u>one</u> score under each criterion that best reflects the characteristics of the submitted manure management plan.

26 Liquid or dry manure *(choose only one subsection from subsections "a" - "e" and mark one*

		Score	Air	Water	Community
a.	Bulk dry manure is sold under Iowa Code chapter 200A and surface-applied	15		15.00	
	Bulk dry manure is sold under Iowa Code chapter 200A and incorporated on the same date it is land-applied	30	12.00	12.00	6.00
b.	Dry manure is composted and land-applied under the requirements of a department manure management plan	10	4.00	4.00	2.00
	Dry manure is composted and sold so that no manure is applied under the requirements of a department manure management plan	30	12.00	12.00	6.00

c.	Methane digester is used to generate energy from manure and remaining manure is surface-applied under the requirements of an approved department manure management plan	10	3.00	3.00	4.00
	After methane digestion is complete, manure is injected or incorporated on the same date it is land-applied under the requirements of an approved department manure management plan	30	12.00	12.00	6.00
d.	Dry manure is completely burned to generate energy and no remaining manure is applied under the requirements of a manure management plan	30	9.00	9.00	12.00
	Some dry manure is burned to generate energy, but remaining manure is land-applied and incorporated on the same date it is land-applied	30	12.00	12.00	6.00
e.	Injection or incorporation of manure on the same date it is land-applied	30	12.00	12.00	6.00

(A) Choose only ONE line from subsection "a", "b," "c," "d," or "e" above and mark only one score in that subsection.
(B) The injection or incorporation of manure must be in the construction permit application and made a condition in the approved construction permit.
(C) If an emergency arises and injection or incorporation is not feasible, prior to land application of manure the applicant must receive a written approval for an emergency waiver from a department field office to surface-apply manure.
(D) Requirements pertaining to the sale of bulk dry manure under pursuant to Iowa Code chapter 200A must be incorporated into the construction permit application and made a condition of the approved construction permit.
(E) The design, operation and maintenance plan for utilization of manure as an energy source must be in the construction permit application and made a condition in the approved construction permit.
(F) The design, operation and maintenance plan for composting facilities must be in the construction permit application and made a condition in the approved construction permit.

27 Land application of manure is based on a two-year crop rotation phosphorus uptake level.

	Score	Air	Water	Community
Two-year phosphorus crop uptake application rate	10		10.00	

(A) Land application of manure cannot exceed phosphorus crop usage levels for a two-year crop rotation cycle.
(B) The phosphorus uptake application rates must be in the construction permit application and made a condition in the approved construction permit.

28 Land application of manure to farmland that has USDA Natural Resources Conservation Service (NRCS) approved buffer strips contiguous to all water sources traversing or adjacent to the fields listed in the manure management plan.

	Score	Air	Water	Community
Manure application on farmland with buffer strips	10		8.00	2.00

(A) The department may request NRCS maintenance agreements to ensure proper design, installation and maintenance of filter strips. If a filter strip is present but not designed by NRCS, it must meet NRCS standard specifications.
(B) The application field does not need to be owned by the confinement facility owner to receive points.
(C) On current and future manure management plans, the requirement for buffer strips on all land application areas must be in the construction permit application and made a condition in the approved construction permit.

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29 Land application of manure does not occur on highly erodible land (HEL), as classified by the USDA NRCS.

	Score	Air	Water	Community
No manure application on HEL farmland	10		10.00	

Manure application on non-HEL farmland must be in the construction permit application and made a condition in the approved construction permit.

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30 Additional separation distance, above minimum requirements (0 or 750 feet, see below), for the land application of manure to the closest:
*Residence not owned by the owner of the confinement feeding operation,
* Hospital,
* Nursing home, or
*Licensed or registered child care facility.

	Score	Air	Water	Community
Additional separation distance of 200 feet	5	3.25		1.75
Additional separation distance of 500 feet	10	6.50		3.50

(A) The department will award points only for the single building, of the four listed above, closest to the proposed confinement feeding operation.
(B) Minimum separation distance for land application of manure injected or incorporated on the same date as application: 0 feet.
(C) Minimum separation distance for land application of manure broadcast on soil surface: 750 feet.
(D) The additional separation distances must be in the construction permit application and made a condition in the approved construction permit.
(E) "Licensed child care center" – a facility licensed by the department of human services providing child care or preschool services for seven or more children, except when the facility is registered as a child care home.
(F) "Registered child development homes" - child care providers certify that they comply with rules adopted by the department of human services. This process is voluntary for providers caring for five or fewer children and mandatory for providers caring for six or more children.
(G) A full listing of licensed and registered child care facilities is available at county offices of the department of hume

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31 Additional separation distance, above minimum requirements (0 or 750 feet, see below), for land application of manure to closest public use area.

	Score	Air	Water	Community
Additional separation distance of 200 feet	5	2.00		3.00

(A) "Public use area" - a portion of land owned by the United States, the state, or a political subdivision with facilities which attract the public to congregate and remain in the area for significant periods of time. Facilities include, but are not limited to, picnic grounds, campgrounds, cemeteries, lodges, shelter houses, playground equipment, lakes as listed in Table 2 in 567--Dhapter 65, and swimming beaches. It does not include a highway, road right-of-way, parking areas, recreational trails or other areas where the public passes through, but does not congregate or remain in the area for significant periods of time.
(B) Minimum separation distance for land application of manure injected or incorporated on the same date as application: 0 feet.
(C) Minimum separation distance for land application of manure broadcast on soil surface: 750 feet.
(D) The additional separation distances must be in the construction permit application and made a condition in the approved construction permit.

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32 Additional separation distance, above minimum requirements (0 or 750 feet, see below), for the land application of manure to the closest:
* Educational institution,
* Religious institution, or
* Commercial enterprise.

	Score	Air	Water	Community
Additional separation distance of 200 feet	5	2.00		3.00

(A) Minimum separation distance for land application of manure broadcast on soil surface: 750 feet.
(B) Minimum separation distance for land application of manure injected or incorporated on same date as application: 0 feet.
(C) The additional separation distances must be in the construction permit application and made a condition in the approved construction permit.
(D) "Educational institution" - a building in which an organized course of study or training is offered to students enrolled in kindergarten through grade 12 and served by local school districts, accredited or approved nonpublic schools, area educational agencies, community colleges, institutions of higher education under the control of the state board of regents, and accredited independent colleges and universities.
(E) "Religious institution" - a building in which an active congregation is devoted to worship.
(F) "Commercial enterprise" - a building which is used as a part of a business that manufactures goods, delivers services, or sells goods or services, which is customarily and regularly used by the general public during the entire calendar year and which is connected to electric, water, and sewer systems. A commercial enterprise does not include a farm operation.

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33 Additional separation distance of 50 feet, above minimum requirements (0 or 200 feet, see below), for the land application of manure to the closest private drinking water well or public drinking water well
- OR -
well is properly closed under supervision of county health officials.

	Score	Air	Water	Community
Additional separation distance of 50 feet or well is properly closed	10		8.00	2.00

(A) Minimum separation distance for land application of manure injected or incorporated on the same date as application or 50-foot vegetation buffer exists around well and manure is not applied to the buffer: 0 feet.
(B) Minimum separation distance for land application of manure broadcast on soil surface: 200 feet.
(C) If applicant chooses to close the well, the well closure must be incorporated into the construction permit application and made a condition in the approved construction permit.

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34 Additional separation distance, above minimum requirements, for the land application of manure to the closest:
* Agricultural drainage well,
* Known sinkhole,
* Major water source, or
* Water source.

	Score	Air	Water	Community
Additional separation distance of 200 feet	5	0.50	2.50	2.00
Additional separation distance of 400 feet	10	1.00	5.00	4.00

(A) "Agricultural drainage wells" - include surface intakes, cisterns and wellheads of agricultiral drainage wells.
(B) "Major water source" - a lake, reservoir, river or stream located within the territorial limits of the state, or any marginal river area adjacent to the state, which can support a floating vessel capable of carrying one or more persons during a total of a six-month period in one out of ten years, excluding periods of flooding. Major water sources in the state are listed in Tables 1 and 2 in 567--Chapter 65.
(C) "Water source" - a lake, river, reservoir, creek, stream, ditch, or other body of water or channel having definite banks and a bed with water flow, except lakes or ponds without an outlet to which only one landowner is riparian.
(D) The additional separation distances must be in the construction permit application and made a condition in the approved construction permit.

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35 Additional separation distance above minimum requirements, for the land application of manure, to the closest:
* High quality (HQ) water,
* High quality resource (HQR) water, or
* Protected water area (PWA).

	Score	Air	Water	Community
~~Additional separation distance of 200 feet~~	5		3.75	1.25
Additional separation distance of 400 feet	10		7.50	2.50

(A) ~~HQ waters are identified in 567--Chapter 61.~~
(B) HQR waters are identified in 567--Chapter 61.
(C) A listing of PWAs is available at http://www.state.ia.us/government/dnr/organiza/ppd/prowater.htm#Location%20of%20PWA's%20in

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36 Demonstrated community support.

	Score	Air	Water	Community
Written approval of 100% of the property oweners within a one mile radius.	20			20.00

37 Worker safety and protection plan is submitted with the construction permit application.

	Score	Air	Water	Community
Submission of worker safety and protection plan	10			10.00

(A) The worker safety and protection plan must be in the construction permit application and made a condition in the approved construction permit.
(B) The worker safety and protection plan and subsequent records must be kept on site with the manure management plan records.

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38 Applicant signs a waiver of confidentiality allowing public to view confidential manure management plan land application records

	Score	Air	Water	Community
Manure management plan confidentiality waiver	5			5.00

The waiver of confidentiality must be in the construction permit application and made a condition in the approved construction permit. The applicant may limit public inspection to reasonable times and places.

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39 Added economic value based on quality job development (number of full time equivalent (FTE) positions), and salary equal to or above Iowa department of workforce development median (45-2093)

- OR -

the proposed structure increases commercial property tax base in the county.

	Score	Air	Water	Community
Economic value to local community	10			10.00

The Iowa department of workforce development regional profiles are available at http://www.iowaworkforce.org/centers/regionalsites.htm. Select the appropriate region and then select "Regional Profile."

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40 Construction permit application contains an emergency action plan.

	Score	Air	Water	Community
Emergency action plan	5		2.50	2.50

(A) Iowa State University Extension publication PM 1859 lists the components of an emergency action plan. The emergency action plan submitted should parallel the components listed in the publication.
(B) The posting and implementation of an emergency action plan must be in the construction permit application and made a condition in the approved construction permit.
(C) The emergency action plan and subsequent records must be kept on site with the manure management plan records.

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41 Construction permit application contains a closure plan.

	Score	Air	Water	Community
Closure plan	5		2.50	2.50

(A) The closure plan must be in the construction permit application and made a condition in the approved construction permit.
(B) The closure plan must be kept on site with the manure management plan records.

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42 Adoption and implementation of an environmental management system (EMS) recognized by the department.

	Score	Air	Water	Community
EMS	15	4.50	4.50	6.00

(A) The EMS must be in the construction permit application and made a condition in the approved construction permit.
(B) The EMS must be recognized by the department as an acceptable EMS for use with confinement operations.

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43 Adoption and implementation of NRCS approved Comprehensive Nutrient Management Plan (CNMP).

	Score	Air	Water	Community
CNMP	10	3.00	3.00	4.00

The implementation and continuation of a CNMP must be in the construction permit application and made a condition in the approved construction permit.

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44 Groundwater monitoring wells installed near manure storage structure), and applicant agrees to provide data to the department.

	Score	Air	Water	Community
Groundwater monitoring	15		10.50	4.50

(A) Monitoring well location, sampling and data submission must meet department requirements.
(B) The design, operation and maintenance plan for the groundwater monitoring wells, and data transfer to the department, must be in the construction permit application and made a condition in the approved construction permit.

	Total Score	Air	Water	Community
	880	213.50	271.00	404.50
Score to pass	440	53.38	67.75	101.13
Paustian Enterprises Sow Farm Scors →	520	145.25	117	257.75

Paustian Enterprises, Inc. Master Matrix Scores

Question	Score	Air	Water	Community
1	85	55.25		29.75
2	30	12		18
3	30	12		18
4	5		5	
5	30	9		21
6	10	4		6
7				
8	50	5	25	20
9				
10	30		22.5	7.5
11				
12	30	27		3
13				
14				
15				
16	30	9	18	3
17	30		27	3
18				
19	20			20
20	30			30
21				
22	25			25
23	25			25
24	20			20
25				
26	30	12	12	6
27				
28				
29				
30				
31				
32				
33				
34				
35	10		7.5	2.5
36				
37				
38				
39				
40				
41				
42				
43				
44				
TOTALS	**520**	**145.25**	**117**	**257.75**
	440	53.38	67.75	101.13 scores to pass

IOWA MASTER MATRIX SUPPLEMENT

Paustian Enterprises Ltd.
SCOTT COUNTY

August 2012

This document will provide documentation, design information along with operation and maintenance (O&M) plans for items in the Master Matrix where points were gained.

Table 1. Summary table of matrix questions receiving points

Question #	Description	Actual
	Site Separation Distances	
1	Residence	~1250'
2	public use area	~3960' (Iowa 80)
3	school, church, business	~3960' (Iowa 80)
4	Closest water source > 500'	~845' to north
5	Proposed structure to thoroughfare >300'	~500'
6	critical public area	~3960' (Iowa 80)
8	drainage wells, sinkholes, major water sources	>10,000' (Hickory Creek)
10	high quality/protected waters	>5 miles (Wapsi)
12	covered manure storage	design / O&M, CDS
16	compost enhancement	design / O & M
17	formed manure storage structure	design / O&M, CDS
19	Truck turnaround	design / O&M
20	No administrative orders	personal statement
22	Homestead Tax Exemption	personal statement
23	Family Farm tax credit	personal statement
24	Facility Size	1836 au
26	Inject manure	see MMP
	Land Application Separation Distances	
35	HQW or PWA	>5 miles (Wapsi)

12. Covered Manure Storage
This facility has deep pits for manure storage which are formed manure storages structures directly beneath a floor where animals are housed in a confinement feeding operation. The design is based upon the attached building drawings and specs from the builder. The structure will be maintained to ensure its structural integrity for its useful life.

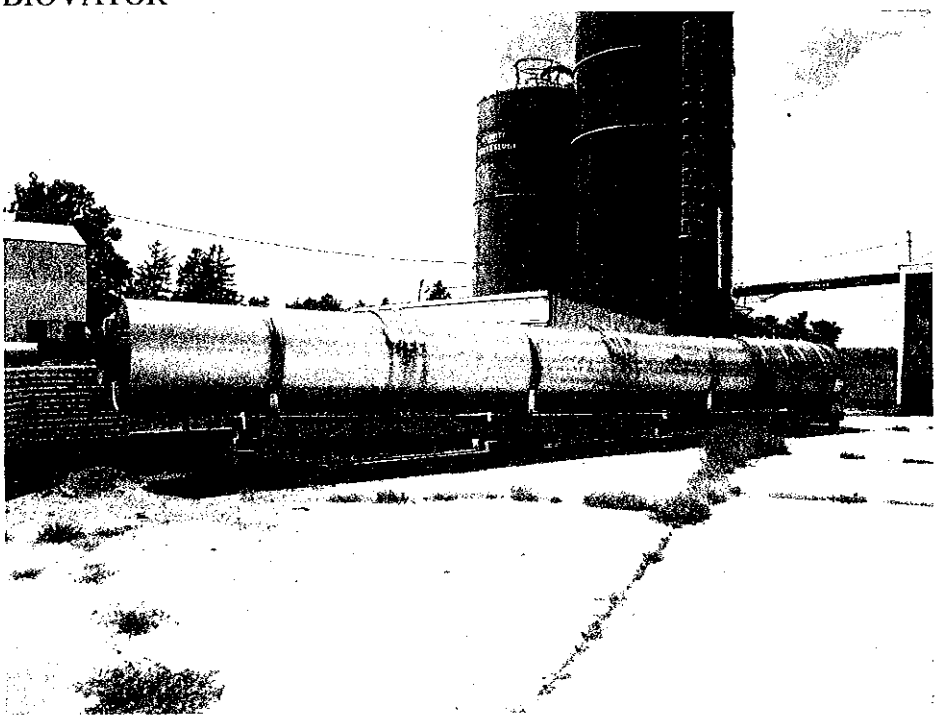
16. Compost Enhancement
This farm composts all mortalities and afterbirth. The larger sized mortalities are composted in the "Biovator"; a rotating enclosed vessel. The finished compost material that leaves the Biovator is stockpiled under roof until land application in the spring and fall. The small mortalities and afterbirth is composted under roof with wood shavings and finished compost from the Biovator. The entire compost system is housed on site to allow for optimal management.

Design: The device is a stationary composting vessel. The composting vessel consists of a slowly rotating steel drum that has steel paddles mounted on the inside walls. The paddles are mounted in a spiral shaped pattern with varying spacings to allow material to move in one direction at a certain speed inside the vessel. The vessel has loading, inspection and discharge openings. The loading openings are used for loading carcasses and bulking material. The vessel is supported on side nylon rollers and front pillow block. Nylon rollers are supported by a steel skid. The vessel rotates at a speed of 3 revolutions per hour (or 20 minutes per revolution approximately). Additional information on the design of the Biovator is in the manual provided.
The procedures, operation and maintenance manual for the Biovator is attached. The Biovator design can be found in the operation manual provided.

Operation: This farm composts all mortalities and afterbirth. The larger sized mortalities are composted in the "Biovator"; a rotating enclosed vessel. The finished compost material that leaves the Biovator is stockpiled under roof until land application in the spring and fall. The small mortalities and afterbirth is composted under roof with wood shavings and finished compost from the Biovator. The compost is held in a roofed shed with 6 bays that are approximately 6'wide by 20' deep. The entire compost system is housed on site to allow for optimal management. Additional information on the operation of the Biovator is in the manual provided.

Maintenance: As needed the Biovator mechanics will be checked and repaired to maintain optimum operation. Compost material will be moved away from the Biovator so to not impede operation. Other maintenance activities will be performed as described in the manual provided.

BIOVATOR



17. Formed Manure Storage Structure

The deep pit manure storage is designed to be below floor storage. The concrete design for the structure will adhere to the specs outlined in the building plans to insure the integrity of the structure.

- The storage structure will be measured for manure volume monthly to monitor the amount of manure being produced.
- The volume of manure will be recorded and records maintained on site.
- A visual inspection of the outer above ground perimeter will be made on a semi-annual basis to check for any structural challenges to the storage structure.
- The perimeter tile outside of the storage structure will be monitored monthly over 3 years to determine the average amount of water present.
- The drainage tile outside of the storage structure will be visually checked on a monthly basis to monitor for potential manure contamination by checking color.
- A sample of the water will be taken during the monthly check if the depth is significantly higher than average (1.5 times the average for the month).
- Foreign materials will not be added to the manure storage structure purposefully.
- Durable lids and caution signs will be used to cover the manure pumpouts located along the sides of the structure.
- Proper fit and placement of lids will be checked monthly.

19. Truck Turnaround

The truck turnaround has a diameter of at least 120 ft to allow for safe truck turnaround. The turnaround is located over 300 ft from the thoroughfare and therefore creates a safer environment for the truck driver and others on the road.

- When there has been significant snowfall, the snow will be removed from the drive and turnaround to allow for safe entrance and exit of trucks.
- The structure of the turnaround will be maintained with aggregate 2" to 5" thick.

20. I have no history of Administrative Orders in the last five years related to environmental and worker protection.

22. We are the closest residents to the site.

23. I can lawfully claim a Family Farm Tax Credit for agricultural land where the proposed confinement operation is to be located pursuant to Iowa Code chapter 425A.

I believe the statements here to be true and agree to adhere to the specifications.

Paustian Enterprises Ltd. By Kent Paustian Pres

Kent Paustian of Paustian Enterprises Ltd.

Daily Checks

Feeders: _____ Checked and working appropriately
_____ Checked and adjustments made

Waterers: _____ Checked and working appropriately
_____ Checked and adjustments made

Monthly Checks

Date _____
Manure Depth _____
Drain Tile: Is water present? YES or NO
Approximate depth? _____ inches
Pumpout lids: Condition? GOOD FAIR NEEDS ATTENTION

Semi-annual Check

The outer above ground perimeter of manure storage:

_____ Normal as built
_____ Normal aging no problems
_____ Evidence of potential problems**
_____ Manure leakage**

**If either of these situations should occur, an engineer will be contacted to inspect for potential structural integrity issues. If there is evidence of manure leakage, DNR will be contacted.

PLANNING & DEVELOPMENT
500 West Fourth Street
Davenport, Iowa 52801-1106
E-mail: planning@scottcountyiowa.com
Office: (563) 326-8643 Fax: (563) 326-8257

Timothy Huey
Director

NOTICE OF PUBLIC HEARING TO BE HELD BY THE SCOTT COUNTY BOARD OF SUPERVISORS FOR THE REVIEW OF AN APPLICATION FOR A STATE CONSTRUCTION PERMIT FOR A NEW BUILDING AT AN EXISTING CONFINED ANIMAL (HOG) FEEDING OPERATION

Public Notice is hereby given that the Scott County Board of Supervisors will hold a public hearing on **Thursday, September 13, 2012**, in the Board Room in the Scott County Administrative Center, 600 West 4th Street, Davenport, Iowa, during their regular meeting which starts promptly at **5:30 p.m.**

The Scott County Board of Supervisors will review and hear public comments on the construction permit application of Kent Paustian DBA Paustian Enterprises Ltd.: the NE¼SE¼ Section 19, T79N, R2E (Hickory Grove Township) for an expansion of an existing confined animal (hog) feeding operation. The address of the subject property is 22444 70th Avenue in Scott County.

The existing confined animal feeding operation has a capacity of 1446 animal unit (AU) the proposed new building would add an additional capacity for 390 AU and bring the total animal unit capacity to 1,836 AU. The 1836 animal units include 808 head of gestating swine, 187 head of farrowing swine, 22 boars, 972 head of swine gilts and 2600 head of swine finishers. The proposed 154 foot X 85 foot building will include the construction of an eight foot deep formed concrete pit beneath the building for manure storage.

A copy of the application is on file with the Scott County Planning and Development Department and is available for review prior to the hearing during normal working hours 8 AM to 4:30 PM, Monday through Friday. If you have questions or want further information please call or write the Planning and Development Department, County Courthouse Annex, 500 West Fourth Street, Davenport, Iowa 52801, 563-326-8643, or attend the hearing.

Written, faxed or emailed comments for the Board of Supervisors may be delivered or sent to the Scott County Planning and Development Department in advance of the public hearing or until Monday, September 10, 2012 at 4:30 PM. All comments will be forwarded to the Iowa Department of Natural Resources. The fax number for Planning and Development is 563-326-8257 and the email address is planning@scottcountyiowa.com

Timothy Huey
Director

PLANNING & DEVELOPMENT
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Timothy Huey
Director

PUBLIC NOTICE TO ALLOW FOR REVIEW AND COMMENT ON AN APPLICATION FOR A STATE CONSTRUCTION PERMIT FOR THE EXPANSION OF AN EXISTING ANIMAL CONFINEMENT FEEDING OPERATION

The Scott County Board of Supervisors have on file an application for a construction permit that has been submitted to the Iowa Department of Natural Resources for a new building at an existing animal (hog) confinement feeding operation in Scott County.

Name of Applicant:	Kent Paustian DBA Paustian Enterprises Ltd.
Address of applicant:	6520 215th Street Walcott, Iowa 52773
Location of operation	22444 70th Avenue, legally described as: the NE¼SE¼ Section 19, T79N, R2E (Hickory Grove Township)
Description of application	The existing confined animal feeding operation has a capacity of 1446 animal unit (AU) the proposed new building would add an additional capacity for 390 AU and bring the total animal unit capacity to 1,836 AU. The 1836 animal units include 808 head of gestating swine, 187 head of farrowing swine, 22 boars, 972 head of swine gilts and 2600 head of swine finishers. The proposed 154 foot X 85 foot building will include the construction of an eight foot deep formed concrete pit beneath the building for manure storage.
Examination:	The application is on file with the Scott County Planning and Development Department located at 500 West 4th Street, Davenport, Iowa and is available for review by the public during normal working hours 8 AM to 4:30 PM, Monday through Friday.
Comments:	Written, faxed or emailed comments for the Board of Supervisors may be delivered or sent to the Scott County Planning and Development Department until Monday September 10, 2012 at 4:30 PM. All comments will be forwarded to the Iowa Department of Natural Resources. The fax number for Planning and Development is 563-326-8257 and the email address is planning@scottcountyiowa.com
Additional Information:	Timothy Huey, Planning Director 500 West 4th Street Davenport, Iowa 52801 563-326-8643