

Final Report

Agricultural Targeted Runoff Management & Notice of Discharge Grant Programs

Form 3400-189A (R 05/19)

Page 1 of 2

NOTICE: This document is required under s. 281.65, Wis. Stats., and chs. NR 153 and 154, Wis. Adm. Code. A final project report must be submitted as part of the final reimbursement request. Personally identifiable information contained in this form will be used for determining reimbursement eligibility in the Targeted Runoff Management and Notice of Discharge Grant Programs and will not be used for any other purpose.

INSTRUCTIONS: Send the completed, electronic copy of this form and all attachments to the Department of Natural Resources (DNR) Region Nonpoint Source Coordinator. Please read all instructions prior to completion.

Grant Type		
Select Grant Type Small Scale Total Maximum Daily Load (TMDL)		
Grant Information		
Grantee - Governmental-Unit-Name --- Outagamie County		Grant Number TRC45000AY16
Project Name Singler Beef Farm		
Project Contact Name Quint Krueger	Phone Number (920) 832-6074	E-mail Address quint.krueger@outagamie.org

Site 1 - Location & Watershed Information				Additional sites may be added to the project by clicking on the [+Loc] button			
Name of Cost-Share Recipient Edwin and Tamala Singler				Animal Units 500	Latitude 44.4758	Longitude -88.5935	
County Outagamie	12-Digit HUC 040302020904	12-Digit Watershed Name Outagamie State Wildlife Area-Wolf River					
Nearest Receiving Waterbody Unnamed Tributary to Wolf River				Primary Waterbody addressed by project Wolf River			

Site 1 - BMP & Load Reduction Information								Additional BMPs for this site may be added by clicking on the [+] button	
Best Management Practice Installed	Quantity	Unit of Measure	Performance Standard/Prohibition Addressed	Phosphorus lbs/yr	Nitrogen lbs/yr	Sediment Tons/yr	Total Installation Cost		
Roofs	2	No.	Code(s) 13	47.3			\$400,000.00		
Nutrient Management	295	acres	Code(s) 9						
Manure Storage Systems	2	No.	Code(s) 4	47.3			\$146,000.00		

Model(s)/Methods Used to Calculate Load Reduction (check all that apply)

☐ STEPL ☐ SNAP+ ☒ BARNY ☐ RUSLE 2 ☐ Other (specify) _____

Site 1 - Compliance Requirements				
Performance Standard or Prohibition Addressed	Chs. NR 151 or 243 Wis. Adm. Code Notice Type	Notice Letter Attached?	Compliance Achieved?	Compliance letter attached?
Manure storage facilities-new/significant alterations.	NR 151	No	Yes	Yes
Nutrient management.	NR 151	N/A	Yes	Yes
Prohibit runoff from feedlot or stored manure into the state's waters.	NR 151	No	Yes	Yes

Check all of the true statements below.

- ☒ 1. A copy the compliance letter for site 1 has been placed in county files.
2. The attached compliance letter for site 1:
- ☒ a. has been provided by the county to the landowner and cost-share recipient;
 - ☒ b. identifies each of the performance standards & prohibitions (PS&Ps) on cropland and livestock facilities brought into compliance by the project, and listed in the table above;
 - ☒ c. identifies the name and location of the facility where compliance has been achieved; and
 - ☒ d. states that the landowner is obligated to maintain compliance with each PS&P addressed by the project in perpetuity regardless of future cost sharing.

Site 1 - Required attachments	
Check the box if the required information for the site is attached:	
<input checked="" type="checkbox"/> Photos of pre-and post-implementation of BMP(s)	<input checked="" type="checkbox"/> Load reduction modeling documents
<input checked="" type="checkbox"/> Aerial photo map of site with BMPs labeled	<input type="checkbox"/> Water quality monitoring results/summary, if applicable

Final Report

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Site 1 - Information

Narrative space will expand to fit

☐ DNR may use this site as a success story to meet state and federal reporting needs.

Additional Project Information and/or Comments

Narrative space will expand to fit

Grantee Certification

A responsible government official (authorized signatory) must authorize and date the final report form prior to submittal to DNR.

I certify that, to the best of my knowledge, the project is complete and the information contained in this final report and attachments are correct and true.

Name of Authorized Government Official

Title of Authorized Government Official

Date

Greg Baneck

County Conservationist

09/10/2019

For DNR Use Only

☒ Received complete reports with all attachments

☒ Practices implemented were consistent with the grant agreement

Comments about this project:

Name of Region Nonpoint Source Coordinator

Date

Eric Evensen

10/24/19

Send the Final Report and attachments to the Community Financial Assistance Grants Manager and to the Runoff Management Grant Coordinator. Keep a printed copy for the Region file.

QK 9-10-19

Lot #3

Saving 47.3 \$/P
Annually
w/ Buffer Roof
Installed

BUFFER DESIGN USING BARNY

OWNER: Ed Singler

DESIGNER: QK

DATE: 3/26/2015

CHK BY:

DATE:

	Input	Output	
Closest City of similar climate:	2		1 Madison 2 Appleton 3 Wausau 4 Eau Claire
Paved lot area:	9,800	sq ft	
Earth lot area:		sq ft	
Animal Lot size:		9,800 sq ft	
Is there a DESIGNED settling basin	1	Yes= 1; No= 2	
Animals on lot:	100 number	number	
Type of animal:	2		(Dairy = 1; Beef=2)
Ave. Animal Weight:	1,200 lbs	lbs	
Lot Use:	1		1= Heavy; 2= Medium; 3= Light)

TRIBUTARY AREAS

Tributary area: sq ft sq ft

Runoff Curve Number:

Roof area: sq ft

26.1 lbs P per year
at D.S. Lot edge:

Maximum permissible P Output 5 lbs
that can be released

Your choice based on impacted
resources- Max is 15

BUFFERS - Size by trial and error

First Buffer Length: 294 ft (See Note Below)

Slope: 1 %

"c" : 0.22 →

Second Buffer Length: ft

Slope:

"c" :

P (lbs) after the buffers: 3.5 lbs P per year

"c" Value Table

Permanent Meadow	0.59
Woods, Heavy Litter	0.59
Woods, Lt Ltr	0.29
Well managed grazing	0.44
Fair managed grazing	0.29
Good Pasture	0.22
Fair Pasture	0.15
Small Grain	0.29
Legume	0.29
Contoured Row Crop	0.29
Non-contoured row crop	0.05

GOOD - Buffer length, slope, and type is OK; proceed with final area sizing calcs below.

BUFFER SIZING

Chosen Buffer Width 50 feet

14,700 sq ft

Min. Acceptable Buffer Area

294 feet

Min. Bfr. Len. Based on BARNY

294 feet

Min. Bfr. Len. Based on Area

Chosen Buffer Length 294 feet

Good Design

Lot # 2 w/Buffer

BUFFER DESIGN USING BARNY

OWNER: Ed Singler

DESIGNER: QK

DATE: 3/26/2015

CHK BY: _____

DATE: _____

	Input	Output	
Closest City of similar climate:	<u>2</u>		1 Madison 2 Appleton 3 Wausau 4 Eau Claire
Paved lot area:	<u>2,100</u>		sq ft
Earth lot area:	<u>0</u>		sq ft
Animal Lot size:		<u>2,100</u>	sq ft
Is there a DESIGNED settling basin	<u>1</u>		Yes= 1; No= 2
Animals on lot:	<u>75</u> number		number
Type of animal:	<u>2</u>		(Dairy = 1; Beef=2)
Ave. Animal Weight:	<u>1,200</u> lbs		lbs
Lot Use:	<u>1</u>		1= Heavy; 2= Medium; 3= Light)

TRIBUTARY AREAS

Tributary area: _____ sq ft _____ sq ft
Runoff Curve Number: _____

Roof area: 0 sq ft

5.6 lbs P per year
at D.S. Lot edge:

Maximum permissible P Output 5 lbs
that can be released

Your choice based on impacted
resources- Max is 15

BUFFERS - Size by trial and error

First Buffer Length: 200 ft (See Note Below)
Slope: 1 %
"c" : 0.05 →

Second Buffer Length: _____ ft
Slope: _____
"c" : _____

P (lbs) after the buffers: 1.7 lbs P per year

"c" Value Table	
Permanent Meadow	0.59
Woods, Heavy Litter	0.59
Woods, Lt Ltr	0.29
Well managed grazing	0.44
Fair managed grazing	0.29
Good Pasture	0.22
Fair Pasture	0.15
Small Grain	0.29
Legume	0.29
Contoured Row Crop	0.29
Non-contoured row crop	0.05

GOOD - Buffer length, slope, and type is OK; proceed with final area sizing calcs below.

BUFFER SIZING

Chosen Buffer Width 16 feet

3,150 sq ft

Min. Acceptable Buffer Area

200 feet

Min. Bfr. Len. Based on BARNY

200 feet

Min. Bfr. Len. Based on Area

Chosen Buffer Length 200 feet

Good Design

Lot # 1 w/ Buffer

BUFFER DESIGN USING BARNY

OWNER: Ed Singler

DESIGNER: QK

DATE: 3/26/2015

CHK BY: _____

DATE: _____

	Input	Output	
Closest City of similar climate:	<u>2</u>		1 Madison 2 Appleton 3 Wausau 4 Eau Claire
Paved lot area:	<u>5,865</u>		sq ft
Earth lot area:	<u>0</u>		sq ft
Animal Lot size:		<u>5,865</u>	sq ft
Is there a DESIGNED settling basin	<u>1</u>		Yes= 1; No= 2
Animals on lot:	<u>125</u>	number	
Type of animal:	<u>2</u>		(Dairy = 1; Beef=2)
Ave. Animal Weight:	<u>1,200</u>	lbs	
Lot Use:	<u>1</u>		1= Heavy; 2= Medium; 3= Light)

TRIBUTARY AREAS

Tributary area: _____ sq ft

Runoff Curve Number: _____

Roof area: _____ 0 sq ft

15.6 lbs P per year
at D.S. Lot edge:

Maximum permissible P Output 5 lbs
that can be released

Your choice based on impacted
resources- Max is 15

BUFFERS - Size by trial and error

First Buffer Length: 225 ft (See Note Below)

Slope: 1 %

"c" : 0.05 →

Second Buffer Length: _____ ft

Slope: _____

"c" : _____

P (lbs) after the buffers: 4.4 lbs P per year

"c" Value Table	
Permanent Meadow	0.59
Woods, Heavy Litter	0.59
Woods, Lt Ltr	0.29
Well managed grazing	0.44
Fair managed grazing	0.29
Good Pasture	0.22
Fair Pasture	0.15
Small Grain	0.29
Legume	0.29
Contoured Row Crop	0.29
Non-contoured row crop	0.05

GOOD - Buffer length, slope, and type is OK; proceed with final area sizing calcs below.

BUFFER SIZING

Chosen Buffer Width 39 feet

8,798 sq ft

Min. Acceptable Buffer Area

225 feet

Min. Bfr. Len. Based on BARNY

226 feet

Min. Bfr. Len. Based on Area

Chosen Buffer Length 226 feet

Good Design

Before

DATE:

NO GOOD - Too much P released

BUFFER SIZING	14,700 sq ft	Min. Acceptable Buffer Area
Chosen Buffer Width <input type="text" value="0"/> feet	200 feet	Min. Bfr. Len. Based on BARNY
	#DIV/0! feet	Min. Bfr. Len. Based on Area
Chosen Buffer Length <input type="text" value="0"/> feet	No Good- Less than BARNY length	

LOT "A"

Before

BUFFER DESIGN USING BARNY

OWNER: Ed Singler

DESIGNER: QK

DATE: 3/26/2015

CHK BY: _____

DATE: _____

	Input	Output	
Closest City of similar climate:	<u>2</u>		1 Madison 2 Appleton 3 Wausau 4 Eau Claire
Paved lot area:	<u>2,100</u>		sq ft
Earth lot area:	<u>6,400</u>		sq ft
Animal Lot size:		<u>8,500</u>	sq ft
Is there a DESIGNED settling basin	<u>2</u>		Yes= 1; No= 2
Animals on lot:	<u>75</u> number		number
Type of animal:	<u>2</u>		(Dairy = 1; Beef=2)
Ave. Animal Weight:	<u>1,200</u> lbs		lbs
Lot Use:	<u>1</u>		1= Heavy; 2= Medium; 3= Light)

TRIBUTARY AREAS

Tributary area: _____ sq ft _____ sq ft
Runoff Curve Number: _____

Roof area: 1,300 sq ft

36.9 lbs P per year
at D.S. Lot edge:

Maximum permissible P Output 5 lbs
that can be released

Your choice based on impacted
resources- Max is 15

BUFFERS - Size by trial and error

First Buffer Length: 200 ft (See Note Below)
Slope: 1 %
"c" : 0.05 →

Second Buffer Length: _____ ft
Slope: _____
"c" : _____

P (lbs) after the buffers: 11.3 lbs P per year

NO GOOD - Too much P released

"c" Value Table	
Permanent Meadow	0.59
Woods, Heavy Litter	0.59
Woods, Lt Ltr	0.29
Well managed grazing	0.44
Fair managed grazing	0.29
Good Pasture	0.22
Fair Pasture	0.15
Small Grain	0.29
Legume	0.29
Contoured Row Crop	0.29
Non-contoured row crop	0.05

BUFFER SIZING

Chosen Buffer Width 0 feet

9,550 sq ft

Min. Acceptable Buffer Area

200 feet
#DIV/0!

Min. Bfr. Len. Based on BARNY
Min. Bfr. Len. Based on Area

Chosen Buffer Length 0 feet

No Good- Less than BARNY length

Lot #1 Before

BUFFER DESIGN USING BARNY

OWNER: Ed Singler

DESIGNER: QK

DATE: 3/26/2015

CHK BY: _____

DATE: _____

	Input	Output	1 Madison
			2 Appleton
			3 Wausau
			4 Eau Claire
Closest City of similar climate:	<u>2</u>		
Paved lot area:	<u>5,865</u>	sq ft	
Earth lot area:	<u>0</u>	sq ft	
Animal Lot size:		<u>5,865</u> sq ft	
Is there a DESIGNED settling basin	<u>2</u>	Yes= 1; No= 2	
Animals on lot:	<u>125</u> number	<u> </u> number	
Type of animal:	<u>2</u>		(Dairy = 1; Beef=2)
Ave. Animal Weight:	<u>1,200</u> lbs	<u> </u> lbs	
Lot Use:	<u>1</u>		1= Heavy; 2= Medium; 3= Light)

TRIBUTARY AREAS

Tributary area: sq ft sq ft
 Runoff Curve Number:
 Roof area: 4,730 sq ft

70.6 lbs P per year
at D.S. Lot edge:

Maximum permissible P Output 5 lbs
that can be released

Your choice based on impacted
resources- Max is 15

BUFFERS - Size by trial and error

First Buffer Length: 225 ft (See Note Below)
 Slope: 1 %
 "c" : 0.05 →
 Second Buffer Length: ft
 Slope:
 "c" :

P (lbs) after the buffers: 19.8 lbs P per year

NO GOOD - Too much P released

"c" Value Table	
Permanent Meadow	0.59
Woods, Heavy Litter	0.59
Woods, Lt Ltr	0.29
Well managed grazing	0.44
Fair managed grazing	0.29
Good Pasture	0.22
Fair Pasture	0.15
Small Grain	0.29
Legume	0.29
Contoured Row Crop	0.29
Non-contoured row crop	0.05

BUFFER SIZING

Chosen Buffer Width 0 feet

8,798 sq ft

Min. Acceptable Buffer Area

225 feet
#DIV/0!

Min. Bfr. Len. Based on BARNY
Min. Bfr. Len. Based on Area

Chosen Buffer Length 0 feet

No Good- Less than BARNY length



Land Conservation
3365 W. Brewster St | Appleton, WI 54914
(920) 832-5073 (920) 832-4783
www.outagamie.org

September 10, 2019

SINGLER, EDWIN D & SINGLER, TAMALA
N5371 STATE RD 76
SHIOCTON, WI 54170

Dear Property Owner,

The purpose of this letter is to acknowledge that you have implemented the necessary corrective actions to comply with State NR 151 Rules and Regulations for your property described as

SW SW LESS CSM 2808 & LESS HY SEC8 T23N R16E 39.32AC M/L 8086M25

Outagamie County Parcel ID: **020015901**

The department has determined the installed practice at your operation to be adequate to meet Agricultural Performance Standards and Prohibitions on the area described below.

As a result of installing the best management practices necessary

(R16 Manure Storage System, R25 Roofs, R18 Nutrient Management)

to comply with the aforementioned Notice, the department has determined that you are now in compliance with the following:

NR 151.05(2) Manure storage facilities – new/significant alterations

NR 151.08(4) Prohibit runoff from feedlot or stored manure into states' waters

NR 151.07 Nutrient Management

In accordance with Outagamie County Chapter 4, Agricultural Performance Standards and Animal Waste Storage Ordinance as well as Chapter NR 151, Wisconsin Administrative Code, any practice or facility that is in compliance with a Performance Standard or Prohibition on or after the effective date of the standard or prohibition, must remain in compliance regardless of



December 14, 2018

► GRANT TIME PERIOD EXTENSION ◀
Targeted Runoff Rural Construction
Grant# TRC45000AY16; Amendment #2
Grant Amount: \$133,500.00

Greg J. Baneck, County Conservationist
Outagamie County
3365 West Brewster Street
Appleton, WI 54914-1602

Dear Mr. Baneck:

End date for the following project has been extended per your request:

Singler Beef Farm

This letter approves your request for a variance to s. NR 153.21(2), Wis. Adm. Code, specifically for the grant referenced above, to extend the grant period to December 31, 2019. We are approving this variance due to your demonstration of good cause, per s. NR 153.31, Wis. Adm. Code, and to achieve the water quality objectives of the project.

Please consider this letter as your amendment for the time extension and attach it to your copy of the original grant agreement. Please remember that all costs must be incurred before December 31, 2019, in order to be eligible for reimbursement.

If you have questions or concerns regarding this time extension, please contact the Nonpoint Source Program Grant Manager, Jessica Wagner, by phone at (608) 267-9385 or by email at JessicaL.Wagner@wisconsin.gov or your Regional Nonpoint Source Coordinator, Eric Evensen, by phone at (920) 303-5447 or by email at Eric.Evensen@Wisconsin.gov.

Sincerely,

Mary Rose Teves, Director
Bureau of Community Financial Assistance

C (e-copy): Eric Evensen, Regional Nonpoint Source Coordinator, DNR Northeast Region
Jessica Wagner, Nonpoint Source Program Grant Manager, CF/2

April 9th, 2015

Attn: Greg Baneck
Outagamie County LCD
3365 W. Brewster St.
Appleton, WI 54913

Subject: Targeted Runoff Management Grant Application

Dear Mr. Baneck,

I am writing you to express my interest in seeking funding through the DNR's Targeted Runoff Management Grant Program. Runoff from our animal lots has been a long standing concern for our farm which we would like to address. Additionally, our current daily haul system makes following a nutrient management plan difficult at best. Storage is required to avoid having to spread during periods of frozen and snow covered ground. Our proximity to the Wolf River makes the likelihood of polluted runoff during spring thaw and extreme storm events high.

If there's anything that I can do to further assist with the submission of the application for the TRM program, please contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Ed Singler", with a stylized, flowing script.

Ed Singler

North Lot
Looking East

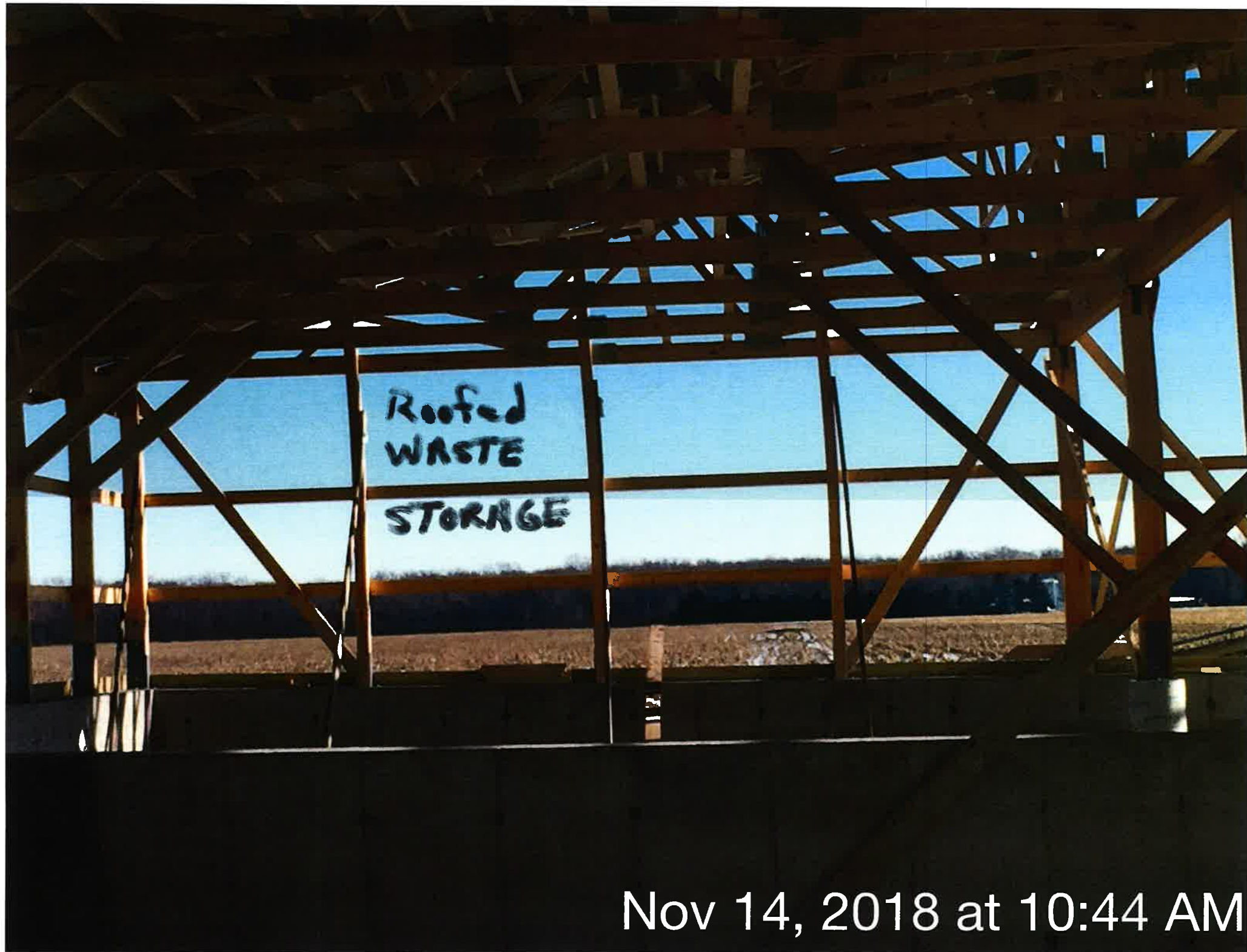


Oct 12, 2017, 8:44 AM

South lot
Looking west




Oct 12, 2017, 8:37 AM



Nov 14, 2018 at 10:44 AM

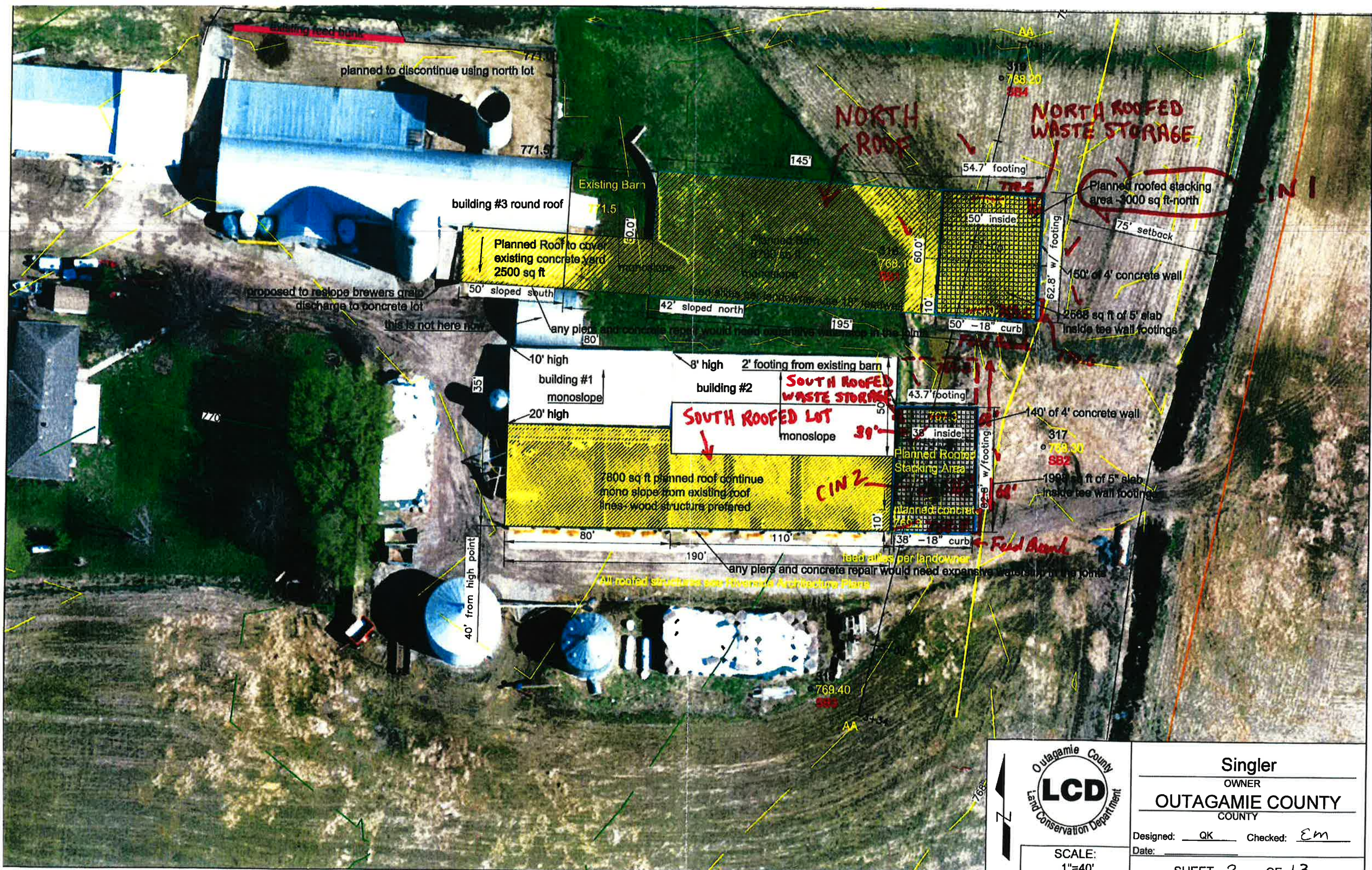
North
Roofed
Lots






South
Roofed
Lots

Aug 12, 2019 at 8:32 AM





SCALE:
1"=40'

Singler
OWNER
OUTAGAMIE COUNTY
COUNTY

Designed: QK Checked: Em
Date: _____

SHEET 3 OF 13