



BOARD MEETING

June 5, 2013 - 5:30 p.m.

Jester Park
11407 NW Jester Park Drive
Shelter #5
Granger, Iowa 50109

AGENDA

The information identified on this agenda may be obtained in accessible formats by qualified persons with a disability. To receive information or to request an accommodation to participate in a meeting, hearing, service, program or activity conducted by this office, contact the Polk County Conservation Board Office, 11407 NW Jester Park Drive, Granger, 515-323-5300.

1) Opening Items

- a) Roll Call
- b) Action on the Minutes of the Previous Meeting(s)

2) Consent Agenda Items

Note: These are routine items and will be enacted by one roll call vote without separate discussion unless a Board Member, PCCB employee or member of the public requests an item be removed to be considered separately. Please notify a PCCB Member to have an item removed.

- a) **Action on Bill List:** approve the PCCB May 2013 bill list.
- b) **Jester Park, Camp Area #2 Improvements, Public Hearing Notice:** approve staff publish notice of public hearing pursuant to Iowa Code 331.305, that a Public Hearing will be held at the PCCB's July 2013 meeting on addition of electric camping pedestals and campsite improvements at Jester Park's Camp Area #2.
- c) **Credit Authorization:** authorize the Director, Deputy Director, Accountant, and Administrative Supervisor to be able to complete and sign credit applications, W-9s and Tax Exempt Forms on behalf of the PCCB. Those currently in these positions are Dennis Parker, Richard Leopold, Carol Ann Carlson, and Cynthia Lentz, respectively. Naming them by position enables employee turnover without having to go back to the Board for approval.
- d) **Purchase: Mowers:** approve purchase of two Ferris IS3100 72" mowers from Turfwerks - Johnston for a price not to exceed \$24,000.
- e) **Cleaning Services Contract, Cost Modification:** approve Stratus Building Solutions cost modification of \$322/month from \$295.50/month for cleaning services at the Jester Park Equestrian Center due to an increase in cleaning responsibilities.
- f) **Neal Smith Trail/High Trestle Trail Connector, Grant:** approves staff applying for the State Recreational Trail grant for the Neal Smith Trail/High Trestle Trail Connector and resolve that should the grant be successful the Board shall supply the matching monies required.
- g) **Purchase: CXT Vault Toilet:** approve purchase of a CXT vault toilet from CXT/LB Foster Company for placement at the Chichaqua Bottoms Greenbelt Wildlife Observation Deck site at a cost of \$17,000 with funds provided by the Polk County Water & Land Legacy Bond and approve the PCCB Chair signing proposal forms.



BOARD MEETING

- h) **Jester Park Equestrian Center, Equine Boarding Agreement:** approve the Jester Park Equestrian Center Equine Boarding Agreement as modified.
- i) **Salary Increase & Benefits Package, FY 2013-14:** approve the salary increase and benefit package for full-time and permanent part-time (part-time 24 & 32) staff as outlined above.
- 3) **Public Hearing: Chichaqua Bottoms Greenbelt, Power Lines Easement**
- 4) **Public Hearing & Award of Bid: Easter Lake Trail, Phase 1 Project**
- 5) **Public Hearing: Four Mile Creek Bank Stabilization Project**
- 6) **Naming of the Easter Lake Trail**
- 7) **Gay Lea Wilson Trail: Boundary Surveying, Staking and Fencing Project/Contract, Change Order**
- 8) **Employees, Recent Hires**
- 9) **Employee Introductions**
- 10) **Land Acquisition(s), Closed Session**

PUBLIC COMMENTS

FINANCIAL REPORTS

DISCUSSION & REMARKS

ADJOURNMENT

1) Opening Items

a) Roll Call

b) Action on the Minutes of the Previous Meeting(s)

The Polk County Conservation Board met in regular session on May 8, 2013. Minutes for the meeting are attached.

2) Consent Agenda Items

a) Action on the Bill List

May 2013 expenditures have been e-mailed to the Board for review.

STAFF RECOMMENDATION: That the Board approve the PCCB May 2013 bill list.

b) Jester Park, Camp Area #2 Improvements, Public Hearing Notice

At the Board's May 2013 meeting it was approved to publish notice of a Public Hearing to be held at this meeting to present information on the Jester Park Camp Area #2 project. Staff was hoping final plans and engineer's estimate would be ready for presentation at this meeting; however that information is not complete for this meeting.

With this in mind staff is requesting that a Public Hearing be held at the July 2013 PCCB meeting to present the addition of electric camping pedestals and camp site improvements planned for Jester Park Camp Area #2. Award of bid for this project will follow the public hearing.

STAFF RECOMMENDATION: That the Board approve staff publish notice of public hearing pursuant to Iowa Code 331.305, that a Public Hearing will be held at the PCCB's July 2013 meeting on addition of electric camping pedestals and campsite improvements at Jester Park's Camp Area #2.

c) Credit Authorization

We have been advised by Daniel Flaherty, Polk County Attorney's Office, that Polk County Conservation Board (PCCB) needs to put in place who has the authority to sign credit applications, W-9's, and Tax Exempt forms. In order to alleviate any concern on financial responsibility for debt we are asking the PCCB to authorize certain staff to be able to complete and sign these forms on behalf of the Board without personally becoming financially responsible for the debt.

STAFF RECOMMENDATION: That the Board authorize the Director, Deputy Director, Accountant, and Administrative Supervisor to be able to complete and sign credit applications, W-9s and Tax Exempt Forms on behalf of the PCCB. Those currently in these positions are Dennis Parker, Richard Leopold, Carol Ann Carlson, and Cynthia

Lentz, respectively. Naming them by position enables employee turnover without having to go back to the Board for approval.

d) Purchase: Mowers

The FY 2013-14 capital outlay budget includes \$24,000 to purchase two mowers, replacing a 1997 Toro 325D Groundsmaster.

Staff researched the purchase of a mower from the current State of Iowa DOT Grounds Care Equipment contract 4425-5 and found the Ferris IS3100 meets our needs and specifications. We purchased a new Ferris IS3100 in the FY 2012/13 budget, and it has proven to be dependable and cost effective. We are able to purchase the new Ferris mowers for half the price of a new Toro Groundsmaster commercial outfront mower. This will help tremendously in mower replacement without giving up quality.

(2) 2013 Ferris IS3100 72" mowers	\$23,750
Possible Contingency	<u>250</u>
(Vendor: Turfwerks - Johnston)	
TOTAL COST	\$24,000

Delivery date for the two Ferris IS3100 mowers shall be made after July 1st and payment from the 2013/2014 budget.

- George Lentz, Eqpt. Maint. Supt.

STAFF RECOMMENDATION: That the Board approve purchase of two Ferris IS3100 72" mowers from Turfwerks – Johnston for a price not to exceed \$24,000.

e) Cleaning Services Contract, Cost Modification

Renovation of the offices at the Jester Park Equestrian Center added additional cleaning responsibilities for Stratus Building Solutions, current contracted vendor for cleaning services at the PCCB office and the Equestrian Center. The original bid for cleaning services at the Equestrian Center is \$295.50/month. Stratus Building Solutions is requesting that cost be increased \$26.50 for a modified monthly cost of \$322/month.

Staff feel the cost modification is fair with the added cleaning responsibilities at the Equestrian Center.

STAFF RECOMMENDATION: That the Board approve Stratus Building Solutions cost modification of \$322/month from \$295.50/month for cleaning services at the Jester Park Equestrian Center due to an increase in cleaning responsibilities.

f) Neal Smith/High Trestle Trail Connector, Grant

For the last 20 years while agencies and trail groups have been planning trails in Central Iowa, there have been many trails on the "wish list" but one trail on everybody's list has been the short (2.25 mile) connecting link from the northern terminus of the Neal Smith Trail at Big Creek Lake - eastward to what is now the High

Trestle Trail. Prior to the High Trestle Trail, there was no urgency to “connect the dots” but now that the main link from the Heart of Iowa Trail south to Ankeny is complete there are compelling reasons to complete the link. (map attached)

The American Discovery Trail (coast to coast trail) has always been designed to use this route. The last unfinished section in Polk County is between Big Creek Lake and the High Trestle Trail. This connector trail would also make a loop trail of over 30 miles from Des Moines traveling through Polk City and returning through Ankeny.

Snyder and Associates is under contract to design this trail and we expect to have the design by late this year or early next year.

The State budget was recently completed and there are funds dedicated to the State Recreational Trails Grant Program (SRT) during this coming fiscal year. In order to apply for the grant in July, we will need permission of the Board to apply for the grant and to supply matching funds should the grant be successful. The SRT program requires a 25% match for all SRT grants awarded.

STAFF RECOMMENDATION: That the Board approves staff applying for the State Recreational Trail grant for the Neal Smith Trail/High Trestle Trail Connector and resolve that should the grant be successful the Board shall supply the matching monies required.

g) Purchase: CXT Vault Toilet

As a part of the Chichaqua Bottoms Greenbelt Wildlife Observation Viewing Deck Site project along the Hwy. 65 By-Pass, staff is planning to place a unisex CXT vault toilet rather than a typical plastic portable toilet.

The purchase process is on a GSA Contract and with CXT/LB Foster Company. The GSA Schedule Contract is #GS-07F-0602N so three bids are not required.

Cost breakdown:

CXT Gunnison ADA unisex vault toilet-----	\$12,002.66
Contractor – delivery, installation, and crane service-----	3,981.75
PCC – rock, equip. rental, site prep and finish-----	<u>1,015.59</u>
TOTAL-----	\$17,000.00

- Wayne Johnson, Const. Maint. Manager

STAFF RECOMMENDATION: That the Board approve purchase of a CXT vault toilet from CXT/LB Foster Company for placement at the Chichaqua Bottoms Greenbelt Wildlife Observation Deck site at a cost of \$17,000 with funds provided by the Polk County Water & Land Legacy Bond and approve the PCCB Chair signing proposal forms.

h) Jester Park Equestrian Center, Equine Boarding Agreement

Staff has been working with Dan Flaherty, Polk County Attorney’s Office, on modifying the current Equine Boarding Agreement used at the Jester Park Equestrian Center. Modifications primarily included formatting the Agreement to

make it easier to gather required information from "Boarders" on their horse as well as making the annual renewal of information easier for both the PCCB and the Owner of the horse boarded.

Attached is the modified Equine Boarding Agreement.

STAFF RECOMMENDATION: That the Board approve the Jester Park Equestrian Center Equine Boarding Agreement as modified.

i) Salary Increases & Benefits Package, FY 2013-14

For pay and benefit purposes, Polk County Conservation Employees are considered "Management and Excluded" employees.

The Board of Supervisors approved extending a 2% base salary increase (effective July 1, 2013) to Management/Supervisory, Excluded employees, and Department Heads on March 19, 2013.

A salary increase was not approved for seasonal employees.

On May 7, 2013 the Polk County Board of Supervisors approved a resolution approving benefit changes to the health and dental plans. These changes to the health and dental benefits are as follows:

Dental – Increase the maximum payment limits to \$1,250 (per calendar year) for combined services and \$1,500 (per lifetime) for orthodontia.

Health – Increase the calendar year out-of-pocket maximum to \$1,000/\$2,000, the calendar year deductible to \$250/\$500, co-payments to \$30 for office visits to a medical specialist, and eliminate over-the-counter medication to be filled as a pharmacy benefit.

There was no change in the premium costs associated with the benefits package.

STAFF RECOMMENDATION: That the PCCB approve the salary increase and benefit package for full-time and permanent part-time (part-time 24 & 32) staff as outlined above.

3) Public Hearing: Chichaqua Bottoms Greenbelt, Power Lines Easement

A public hearing will be held on the granting of power line easements to Iowa Transmission Company Midwest (ITC) at Chichaqua Bottoms Greenbelt.

The original electrical line was constructed across the Skunk River floodplain prior to the lands beneath the power lines being incorporated into the Chichaqua Bottoms Greenbelt. It was originally built by an investor owned utility. Recently most transmission lines have been sold to private companies including this line, which was sold to ITC.

The easements, as written, do not allow the movement of poles and lines for maintenance purposes and have some limitations that the new investors wish to remedy by purchasing new easements.

It appears that they are asking for what a current easement request would entail. They are offering additional payment for the new easement.

Loren Lown, Natural Resources Specialist

STAFF RECOMMENDATION: That the Board resolve to request that the Polk County Board of Supervisors grant the requested easements for an electrical transmission line to Iowa Transmission Company Midwest where the line crosses the Chichaqua Bottoms Greenbelt.

4) **Public Hearing & Award of Bid: Easter Lake Trail, Phase 1 Project**

Public Hearing

A public hearing will be held on the plans, specifications, form of contract and cost estimate for the Easter Lake – Phase 1 project. Attached is a cost estimate for all three phases of the trail project.

STAFF RECOMMENDATION: That the Board approve the plans, specifications, form of contract, and cost estimate for Easter Lake Trail Phase 1.

Easter Lake Trail Phase 1 is scheduled to be bid at 10:00 a.m., June 4th. The results of that bid letting and staff recommendation will be presented at this June meeting.

STAFF RECOMMENDATION: Presented at the meeting.

5) **Public Hearing: Four Mile Creek Bank Stabilization Project**

A public hearing will be held on the plans, specifications, form of contract and cost estimate for the Four Mile Creek Bank Stabilization Project. (Cost estimate and construction plans attached)

The Four Mile Creek is a dynamic Rural/Urban interface stream. Hydrologic changes within the watershed are causing extensive bed and bank erosion. It is common to have 15 foot tall or more cut-banks that are actively eroding along the stream from Ankeny to the Des Moines River.

This erosion is seriously affecting water quality and infrastructure within the stream corridor.

Staff identified two locations where it is imperative that the bank be stabilized in order to protect the planned Gay Lea Wilson Trail project. These sections are where our property narrows and the trail is designed to be relatively close to the active stream bank.

The design is similar to the successful, completed project at Mally's Park.

We had hoped to construct the stabilization prior to the trail construction but delays in acquiring the necessary 401 and 404 permits (floodplain and Clean Water Act

permits) may delay construction until after the trail is constructed. To accommodate for the delay, the construction the estimate includes the removal and replacement of 725 SY of trail. It is hoped that replacement will not be required but it is included in the estimate.

This is a scheduled 2013 PCWLL project. Award of bid is anticipated at the Board's July 2013 meeting.

STAFF RECOMMENDATION: That the Board approve the plans, specifications, and cost estimate for the Four Mile Creek Bank Stabilization project.

6) Naming of the Easter Lake Trail

Suggested name (s) for the planned trail will be brought to the Board at the June meeting for discussion and action.

Loren Lown, Natural Resources Specialist

STAFF RECOMMENDATION: Presented at the meeting.

7) Gay Lea Wilson Trail: Boundary Surveying, Staking and Fencing Project/Contract, Change Order

Boundary Surveying, Staking and Fencing Project

Since the time of purchase there have been numerous encroachments and trespass along the 4 Mile Creek corridor between Des Moines and Mally's Park. Some have been incidental but others are more serious e.g. neighboring landowner installed an electric fence and grazed his horses on public land.

We have frequent problems with ATV's and illegal dumping all along the corridor.

Staff solicited a bid from Snyder and Associates to establish a legal boundary on the western side of the property. Many tracts apparently have not been surveyed since the late 1800 - early 1900's. It is necessary for us to be able to define our property and establish a fence line to protect the public's investment.

The cost estimates for boundary retracement, boundary stacking, and for construction administration to be done at the time the trail is being constructed is \$19,300. There are opportunities to reduce that cost by using previously surveyed parcel information. (Preliminary estimate for construction of the actual fence, during the time the trail is being constructed, is \$27,900 for 9,300' of fence.)

STAFF RECOMMENDATION: That the Board authorizes staff to negotiate a contract price not to exceed \$20,000 for the work required to survey, stake, and oversee the construction of a fence on the western boundary of the 4 Mile Greenbelt between Des Moines and Berwick and for the Director to sign that contract.

A & E Contract Change Order

A second item related to the construction of the trail is the need for additional construction staking and supervision that was not initially included in the consultants' contract. There is an estimated additional \$14,400 worth of construction services involved in the trail construction process that requires a contract adjustment.

STAFF RECOMMENDATION: That the Board authorizes staff to negotiate a contract change order with Snyder and Associates for necessary construction staking and construction services on the Gay Lea Wilson Trail not to exceed \$14,400 and authorize the Director to sign that change order.

8) Employee Recent Hires

The following individuals have been hired for employment with PCCB:

Start Date	Employee	Position	Rate of Pay
05/25/13	Ellen Westhoff	Stables Attendant	\$7.73

Information only.

9) Employee Introductions

10) Land Acquisition(s), Closed Session

PROCEEDINGS OF THE POLK COUNTY CONSERVATION BOARD

The Polk County Conservation Board met in regular session on Wednesday, May 8, 2013. The meeting was called to order at 5:36 p.m.

#1 – Roll Call

Board Present: Levis, Smith, Cataldo, Kurovski, Johnson

#1b – Action on the Minutes of the Previous Meeting(s)

IT WAS MOVED BY CATALDO THAT THE POLK COUNTY CONSERVATION BOARD SHALL APPROVE THE APRIL 10, 2013 MEETING MINUTES AS WRITTEN. VOTE YEA: SMITH, LEVIS, KUROVSKI, JOHNSON, CATALDO

#2 – Consent Agenda

IT WAS MOVED BY LEVI THAT THE POLK COUNTY CONSERVATION BOARD APPROVE THE FOLLOWING CONSENT AGENDA ITEMS:

- A) PCCB APRIL 2013 LIST OF EXPENDITURES;**
- B) STAFF PUBLISHING NOTICE OF PUBLIC HEARING PURSUANT TO IOWA CODE 331.305 THAT A PUBLIC HEARING WILL BE HELD ON GRANTING AN EASEMENT TO MID AMERICAN ENERGY TO BRING ELECTRICITY TO THE CHICHAQUA BOTTOMS GREENBELT WELL AT THE PCCB'S JUNE 2013 (5:30 P.M.) MEETING; (Note: Existing easement used, no need for public hearing in June)**
- C) STAFF PUBLISHING NOTICE OF PUBLIC HEARING PURSUANT TO IOWA CODE 331.305 THAT A PUBLIC HEARING WILL BE HELD ON GRANTING IOWA TRANSMISSION COMPANY AN EASEMENT AT CHICHAQUA BOTTOMS GREENBELT AT THE PCCB'S JUNE 2013 (5:30 P.M.) MEETING;**
- D) STAFF PUBLISHING NOTICE OF PUBLIC HEARING PURSUANT TO IOWA CODE 331.305 THAT A PUBLIC HEARING WILL BE HELD ON THE PLANS, SPECIFICATIONS, COST ESTIMATE, AND FORM OF CONTRACT FOR THE EASTER LAKE TRAIL – PHASE 1 PROJECT AT THE PCCB'S JUNE 2013 (5:30 P.M.) MEETING;**
- E) STAFF PUBLISHING NOTICE OF PUBLIC HEARING PURSUANT TO IOWA CODE 331.305 THAT A PUBLIC HEARING WILL BE HELD ON THE PLANS, SPECIFICATIONS, COST ESTIMATE, AND FORM OF CONTRACT FOR THE FOUR**

MILE CREEK BANK STABILIZATION PROJECT AT THE PCCB'S JUNE 2013 (5:30 P.M.) MEETING;

F) STAFF PUBLISHING NOTICE OF PUBLIC HEARING PURSUANT TO IOWA CODE 331.305 THAT A PUBLIC HEARING WILL BE HELD ON THE ADDITION OF ELECTRIC CAMPING PEDESTALS AND CAMPSITE IMPROVEMENTS AT JESTER PARK CAMP AREA #2 AT THE PCCB'S JUNE 2013 (5:30 P.M.) MEETING;

G) THE SURPLUS ITEMS TO BE SOLD AT THE POLK COUNTY SPRING AUCTION ON 5/18/2013;

H) AUTHORIZES THE PCCB CHAIR TO SIGN THE MEMORANDUM OF UNDERSTANDING DETAILING THE OBLIGATIONS OF ALL PARTIES COLLABORATING ON THE EATER LAKE WATERSHED MANAGEMENT PLAN PROJECT;

I) THE 2012-13 URBAN DEER BOW HUNT ANNUAL REPORT;

J) THE SALE OF PRE-CONSTRUCTED 33 GALLON RAIN BARRELS TO THE PUBLIC AT A COST OF \$50 PER BARREL.

VOTE YEA: CATALDO, SMITH, JOHNSON, KUROVSKI, LEVIS,

#3 – Public Hearing: Jester Park, Camp Area #2 Improvements, Electric Easement

Chair Smith opened public hearing on granting an easement to Mid American Energy at Jester Park to extend electric service from an existing transformer located near the lower shower house and extend east approximately

As there were no comments, Chair Smith closed the public hearing.

IT WAS MOVED BY JOHNSON THAT THE POLK COUNTY CONSERVATION BOARD DETERMINE THAT THE EASEMENT AREA DESCRIBED AS “A PART OF THE SE ¼ OF THE NE ¼ OF SECTION 32, TOWNSHIP 81 NORTH, RANGE 25 WEST OF THE 5TH P.M. POLK COUNTY, IOWA” LOCATED WITHIN JESTER PARK IS NO LONGER NECESSARY FOR PARK PURPOSES OR WILL NOT INTERFERE WITH PARK PURPOSES AND FORWARDING THE SAME ON TO THE POLK COUNTY BOARD OF SUPERVISORS FOR THE CONVEYANCE OF EASEMENT TO MID AMERICAN ENERGY COMPANY.

VOTE YEA: JOHNSON, KUROVSKI, LEVIS, SMITH, CATALDO

#4 – Budget Amendment

IT WAS MOVED BY LEVIS THAT THE POLK COUNTY CONSERVATION BOARD APPROVE THE APRIL 2013 PROPOSED 3RD QUARTER BUDGET AMENDMENT AS SUBMITTED.

VOTE YEA: KUROVSKI, CATALDO, SMITH, JOHNSON, LEVIS

#5 – Fort Des Moines, Pond Dredging – Design Services/Change Order

**IT WAS MOVED BY KUROVSKI THAT THE POLK COUNTY CONSERVATION BOARD APPROVE HIRING STANLEY CONSULTANTS TO COMPLETE THE DESIGN SERVICES FOR AN ADDITIONAL BASIN (DAM) IN FORT DES MOINES PARK FOR A COST NOT TO EXCEED \$19,045 WHICH INCLUDES GEOTECHNICAL INVESTIGATIONS, ARCHEOLOGICAL AND TOPOGRAPHICAL SURVEYS.
VOTE YEA: KUROVSKI, JOHNSON, CATALDO, LEVIS, SMITH**

#6 – Employees, Recent Hires

INFORMATION ONLY.

#7 – Employee Introductions

PCCB employees Mark Hurm, Park Advocacy Manager, and Joe Boyles, Naturalist/Natural Resources Technician, introduced and told a little about themselves to the Board.

#8 – Land Acquisition(s), Closed Session

**IT WAS MOVED BY LEVIS THAT THE POLK COUNTY CONSERVATION BOARD MOVE INTO CLOSED SESSION (6:12 PM) PURSUANT TO IOWA CODE SECTION 21.5(1)(j) TO DISCUSS THE PURCHASE OF PARTICULAR REAL ESTATE BECAUSE PREMATURE DISCLOSURE COULD BE REASONABLY EXPECTED TO INCREASE THE PRICE THE PCCB WOULD HAVE TO PAY FOR THAT PROPERTY.
VOTE YEA: SMITH, LEVIS, JOHNSON, KUROVSKI, CATALDO**

**IT WAS MOVED BY JOHNSON THAT THE POLK COUNTY CONSERVATION BOARD RETURN TO OPEN SESSION (7:18 PM).
VOTE YEA: JOHNSON, CATALDO, KUROVSKI, SMITH, LEVIS**

**IT WAS MOVED BY KUROVSKI THAT THE POLK COUNTY CONSERVATION BOARD APPROVE STAFF PROCEEDING ON SEVERAL LAND ACQUISITIONS AS DISCUSSED IN CLOSED SESSION.
VOTE YEA: KUROVSKI, LEVIS, SMITH, JOHNSON
VOTE ABSTAIN: CATALDO (ABSTAINED DUE TO POSSIBLE CONFLICT OF INTEREST WITH ONE OF THE PROPERTIES)**

**IT WAS MOVED BY LEVIS THAT THE POLK COUNTY CONSERVATION BOARD APPROVE AUTHORIZING THE PCCB DIRECTOR TO SIGN ANY DOCUMENTS RELATED TO THE CLOSING ON THE FOLLOWING PROPERTIES: DES MOINES AIRPORT (ALONG HWY. 65/330), MILLER-RIST, AND BEAVER CREEK GREENBELT.
VOTE YEA: LEVIS, KUROVSKI, SMITH, CATALDO, JOHNSON**

#9 – Director’s Evaluation

IT WAS MOVED BY LEVIS THAT THE POLK COUNTY CONSERVATION BOARD APPROVE A 4% SALARY INCREASE FOR DIRECTOR DENNIS PARKER EFFECTIVE MAY 1, 2013 (ANNIVERSARY DATE) AND A 2% COST OF LIVING ADJUSTMENT EFFECTIVE JULY 1, 2013.

**VOTE YEA: JOHNSON, KUROVSKI, LEVIS, SMITH
VOTE NAY: CATALDO**

Board had further discussions with Parker about goals for 2013-2014.

PUBLIC COMMENTS
FINANCIAL REPORTS
DISCUSSION & REMARKS

ADJOURNNMENT

The meeting was adjourned at 8:45 p.m.

Prepared by: Cindy Lentz

Proposed Connector

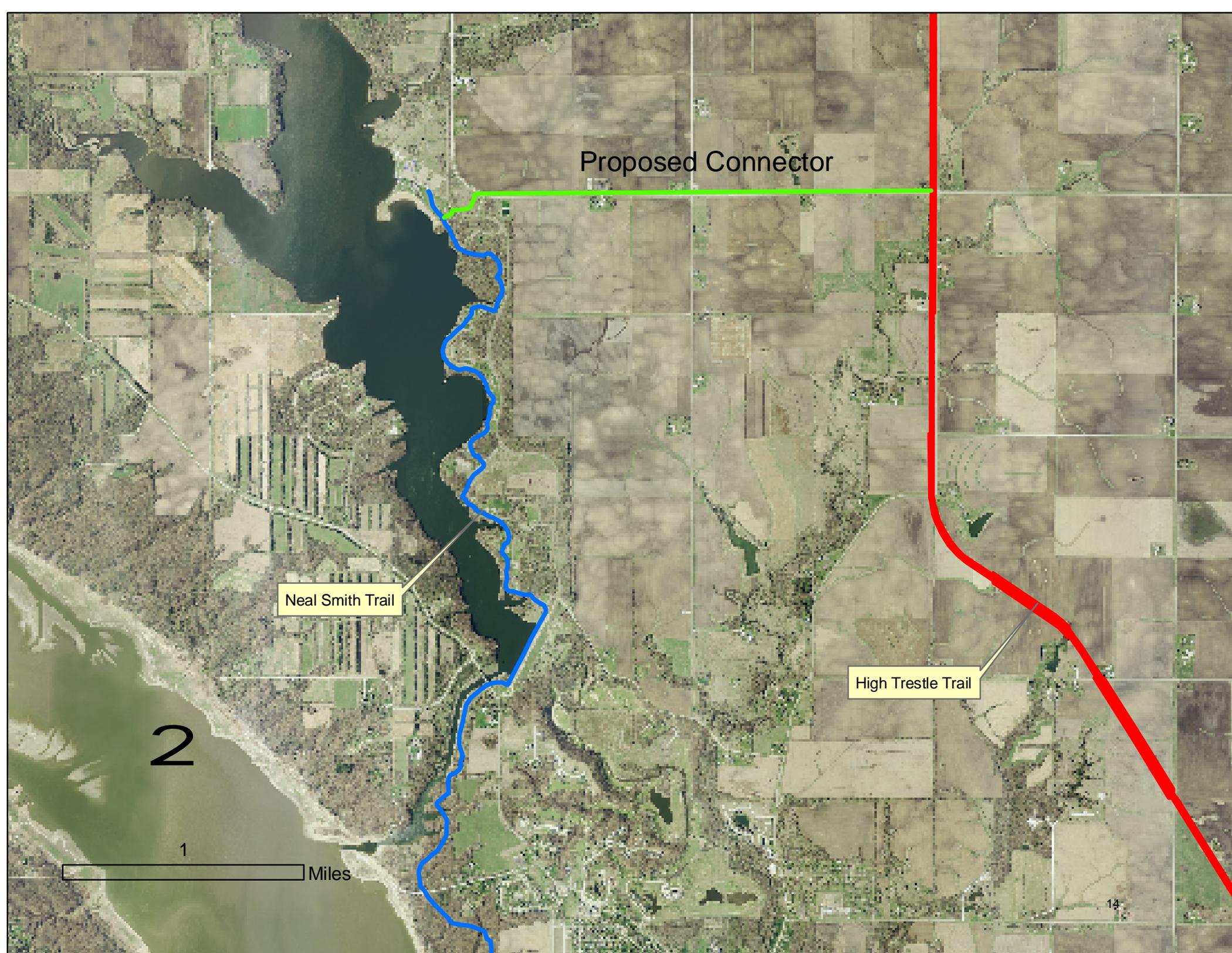
Neal Smith Trail

High Trestle Trail

2

1

Miles



POLK COUNTY CONSERVATION BOARD
EQUINE BOARDING AGREEMENT

Polk County Conservation Board
11407 NW Jester Park Dr.
Granger, IA 50109
515.323.5300
www.leadingyououtdoors.org

Jester Park Equestrian Center
11171 NW 103rd Court
Granger, IA 50109
515.999.2818
www.jesterparkec.com

This Agreement is made this ____ day of _____, 20____, by and between the Polk County Conservation Board (PCCB), and the Owner/s identified in Attachment A of this Agreement (“Owner”) for board and care of a horse (Pet Name of Horse: _____) at the Jester Park Equestrian Center described in Attachment A of this Agreement, pursuant to the terms and conditions set forth herein and conditional upon timely payment of the applicable Standard Board Rate.

Attachment A of this Agreement will be reviewed annually by Owner for updates each July. It is the Owner’s responsibility to notify PCCB of any changes to Attachment A, at any time during the Agreement, that result at any time either prior to or after the annual review and to notify PCCB, within 15 days of any change. Terms of the remainder of this Agreement will apply until Boarding services are terminated by either Owner or the PCCB.

APPLICABLE STANDARD MONTHLY BOARDING RATES, PAID PURSUANT TO THE CONDITIONS SET FORTH BELOW UNDER “PAYMENT TERMS”, ARE IDENTIFIED ON THE EQUESTRIAN CENTER FEE SCHEDULE PROVIDED TO YOU SEPARATE FROM THIS AGREEMENT.

THE STANDARD MONTHLY BOARDING RATES ARE SUBJECT TO CHANGE BY PCCB ON 30 DAYS WRITTEN NOTICE TO OWNER, AND ANY NEW RATES WILL BE PROVIDED TO OWNER ON A SEPARATE SCHEDULE, INCORPORATED BY REFERENCE HEREIN AS THE “EQUESTRIAN CENTER FEE SCHEDULE”. WRITTEN NOTICE MAY BE ACCOMPLISHED BY POSTING A NEW EQUESTRIAN CENTER FEE SCHEDULE AT THE EQUESTRIAN CENTER, BY HAND DELIVERY TO OWNER, OR BY MAILING TO OWNER DIRECTLY BY FIRST CLASS MAIL.

1. Payment Terms

In consideration of boarding services, Owner shall pay to PCCB the sum of Boarding fee due (identified on Attachment A) on or before the 7th day of each month in advance of the services being rendered, and if the Owner leaves before the end of the month the balance will be forfeited. A 15% late penalty fee will be charged to late payments for boarding. **OWNER ACKNOWLEDGES AND UNDERSTANDS THAT OWNER’S ABILITY TO KEEP THE HORSE BOARDED AT THE EQUESTRIAN CENTER IS A PRIVILEGE AND NOT A RIGHT.** Any other expenses to board that may have incurred on Owner’s behalf will be billed to Owner. If the bill is not paid by Owner in full within 30 days of the billing date, the PCCB may take legal action to collect all amounts due, including but not limited to a lien under Chapter 579 of the Iowa Code.

2. Checks Returned Insufficient Funds

If the Owner’s check is returned for insufficient funds, a return check fee (amount determined by PCCB) will be charged and a lien may be taken against on the Owner’s horse. Interest on all charges due will accrue at the Prime Rate plus five (5%) percent per annum, which will not be less than ten (10%) percent per annum, on the entire balance due until paid in full.

3. Expenses of Collection and Statutory Lien

Owner understands and agrees that if any amount due under this agreement remains unpaid for more than thirty (30) days after the date due, PCCB may (a) immediately terminate this Agreement, (b) Owner shall have the obligation of immediately removing the horse from the Equestrian Center, and (c) PCCB may take legal action to collect all amounts due. Owner hereby agrees to reimburse PCCB for all expenses incurred in the collection of such amounts, including, but not limited to, attorney’s fees and court costs.

I have read and fully understand the terms of the Agreement identified above. _____ Owner(s) Initials
--

Owner understands that if amounts due for the care of the horse are past due, PCCB has, pursuant to Iowa Civil Code 579, a lien on the horse for the amount of any balance due and outstanding to PCCB as well as any amounts PCCB has paid to secure services on the horse's behalf. PCCB shall have the right, in accordance with the procedures set forth in the statute, to sell the horse and apply the proceeds of the sale to the amount due to PCCB from Owner. Owner hereby waives any requirements in the Statute for a public sale of the horse, and consents to private sale of the horse if PCCB is entitled by law to sell the horse, and if, in the sole opinion and discretion of PCCB, private sale is likely to result in as high or higher price for the horse. If any sale pursuant to this section does not result in a price sufficient to satisfy Owner's obligation to PCCB, Owner shall remain liable to PCCB for any remaining balance. If such a sale results in an amount exceeding the amount owed to PCCB by Owner, any such excess shall be remitted to Owner at the address listed by Owner.

In the event Owner fails to make payment in accordance with the provisions of this Agreement, neither accommodation made by PCCB, nor failure by PCCB to enforce its rights shall be deemed a waiver by PCCB of its right to enforce any provisions under this Agreement in the future.

4. Services Provided by the PCCB

PCCB agrees to allow Owner to board Owner's horse described in Attachment A at the Jester Park Equestrian Center and PCCB shall provide the following services in connection with Owner's privilege to board at the Equestrian Center. Such services are included in the Standard Board Rate: Feed supplement and hay to be fed twice daily according to the horse's needs as determined by Equestrian Center staff. Any different supplements/medications will be supplied by Owner and administered by the Equestrian Center staff at feeding times. Stall to be cleaned once daily and bedding provided as deemed necessary by PCCB. Owner may request additional bedding as needed but will be charged the current rate charged by Equestrian Center for bedding and Owner must receive a written agreement from the Equestrian Center manager. Owners are free to pick and/or clean stalls, but must empty manure into the manure carts provided by PCCB, returning all equipment to its proper place.

5. Additional and Emergency Services

Additional services as listed in the Equestrian Center Fee Schedule may be arranged at the Owner's discretion. The Equestrian Center reserves the right to provide or secure additional services for the horse if, in management's discretion, the horse is seriously in need of such emergency services and Owner cannot be reached, or Owner, after request by management, fails to provide or secure such services for the horse. Staff shall first attempt to notify Owner of any emergency situations as soon as reasonably practical. If the Equestrian Center staff is not able to reach Owner, or Owner does not give the Equestrian Center manager written instructions regarding the immediate care for the horse, PCCB will attempt to secure the services of the providers specified by Owner to care for the horse. Owner hereby agrees that in the event the horse requires immediate and/or emergency care and the specified provider cannot be reached or is not available, PCCB has permission to otherwise secure the care necessary to guard the welfare of the horse. All financial responsibility for care provided to the horse shall rest and remain solely with Owner. In addition to reimbursable expenses, PCCB charges are outlined on the Equestrian Center Fee Schedule.

6. Training and Instruction

Owner may only arrange for the training of the horse or riding instruction at the premises through the Equestrian Center. The Equestrian Center may also occasionally offer seminars, sessions with guest trainers or clinicians, in which Owner may apply to participate. **Any hired trainer or instructor must provide proof of insurance to the Equestrian Center Manager.** At all times while Owner is receiving training and instruction at the Equestrian Center, Owner shall wear a protective riding helmet.

7. Equestrian Center Rules

OWNER ACKNOWLEDGES THAT S/HE HAS RECEIVED A COPY OF THE EQUESTRIAN CENTER RULES, THAT S/HE HAS READ AND UNDERSTANDS THEM, AND AGREES THAT S/HE AND ANY PERSONS S/HE BRINGS TO THE EQUESTRIAN CENTER PREMISES WILL CONDUCT THEMSELVES IN ACCORDANCE WITH THE EQUESTRIAN CENTER RULES. OWNER FURTHER ACKNOWLEDGES THAT THE EQUESTRIAN CENTER RULES ARE SUBJECT TO CHANGE BY PCCB AND THAT NOTICE MAY BE ACCOMPLISHED BY POSTING NEW EQUESTRIAN CENTER RULES AT THE EQUESTRIAN CENTER.

I have read and fully understand the terms of the Agreement identified above. _____
Owner(s) Initials

8. Notice and Construction

Any notice to PCCB required by this Agreement will be deemed given upon receipt at the PCCB Administrative Office, 11407 NW Jester Park Drive, Granger, Iowa, 50109. Any notice to Owner, if of a general nature, shall be deemed given when posted in the Equestrian Center, and if to Owner specifically, when delivered to Owner's hand, or mailed first class postage prepaid, to Owner's last known address. All terms of this Agreement shall be construed in accordance with the laws of the State of Iowa and the courts of that state shall have exclusive jurisdiction over matters arising under this Agreement. This Agreement shall be legally binding upon Owner, Owner's parents or legal guardians, Owner's heirs, legatees, attorneys and trustees.

9. Notice of Termination

This Agreement is based on a month to month tenancy and may not be assumed by either party to create a Lease, or a right of entry onto real property, or a right to occupy real property. Either party may terminate this Agreement, for any reason or no reason at all, by giving the other party 30 days written notice thereof. PCCB reserves the right to withhold services from Owner until the Standard Board Rate and any and all amounts due and owing are paid in full. Failure by Owner to pay all amounts due to PCCB shall entitle PCCB to retain possession of the horse until all amounts are paid in full. This Agreement does not afford the Owner/horse any rights whatsoever except to those services set forth in Section 4 upon the timely payment of the Standard Board Rate.

If Owner removes boarded horse prior to a full month's boarding, the PCCB reserves the right, AT ITS SOLE DESCETION, to prorate last month's Board rate, only if 30 day written notice of termination was received by PCCB, prior to removal.

10. Risk of Loss and Indemnity

OWNER IS STRONGLY URGED TO INSURE THE HORSE AND HEREBY ASSUMES AND SHALL BEAR THE ENTIRE RISK OF LOSS AND DAMAGE OF ANY KIND AND NATURE, WHETHER OR NOT CAUSED BY THE NEGLIGENCE OF THE POLK COUNTY CONSERVATION BOARD, TO THE OWNER, THE HORSE AND/OR ANY OTHER PROPERTY OF OWNER, PCCB OR A THIRD PARTY, WHILE AT THE EQUESTRIAN CENTER, AND TO HOLD THE POLK COUNTY CONSERVATION BOARD, POLK COUNTY GOVERNMENT, IT'S ELECTED OFFICIALS, EMPLOYEES, AGENTS AND ASSIGNS HARMLESS FOR THE SAME. Likewise, Owner assumes the risk of any loss or damage to the person or property of others caused either by the horse or the actions of Owner or Owner's guests while at the Equestrian Center, and agrees to indemnify and hold harmless the Polk County Conservation Board, Polk County, Iowa, it's Elected Officials, Employees, Agents and Assigns against any claims resulting from the same, including but not limited to the costs of defending any resulting claims. The Polk County Conservation Board and others as previously named, shall have no liability or responsibility for the personal property of Owner, and said property is stored on the premises of the Equestrian Center at the sole risk of Owner.

11. Warning

UNDER IOWA LAW, A DOMESTIC ANIMAL PROFESSIONAL IS NOT LIABLE FOR DAMAGES SUFFERED BY, AN INJURY TO, OR THE DEATH OF A PARTICIPANT RESULTING FROM THE INHERENT RISKS OR DOMESTICATED ANIMAL ACTIVITIES, PURSUANT TO IOWA CODE CHAPTER 673. YOU ARE ASSUMING INHERENT RISKS OF PARTICIPATING IN THIS DOMESTIC ANIMAL ACTIVITY. HORSEBACK RIDING IS CLASSIFIED AS A "RUGGED ADVENTURE RECREATIONAL SPORTING ACTIVITY", AND THERE ARE OBVIOUS AND NON-OBVIOUS INHERENT RISKS ALWAYS PRESENT IN SUCH ACTIVITY DESPITE ALL SAFETY PRECAUTIONS. BY SIGNING THIS AGREEMENT, THE OWNER IS AGREEING THAT THE PCCB SHALL NOT BE LIABLE FOR ANY DAMAGES SUFFERED BY, OR INJURY TO, OR THE DEATH OF THE OWNER AND/OR HOSE RESULTING FROM THE INHERENT RISKS OF EQUINE RELATED ACTIVITIES. HORSES ARE 5 TO 15 TIMES LARGER AND 20 TO 40 TIMES MORE POWERFUL, AND 3 TO 4 TIMES FASTER THAN A HUMAN. HORSEBACK RIDING IS THE ONLY SPORT WHERE A SMALLER, WEAKER PREDATOR ANIMAL (A HUMAN) TRIES TO CONTROL THE MOVEMENTS OF A LARGER, STRONGER PREY ANIMAL (THE HORSE), EACH HAVING A LIMITED UNDERSTANDING OF EACH OTHER. THE OWNER IS ASSUMING THE INHERENT RISKS OF PARTICIPATING IN THIS EQUINE RELATED ACTIVITY.

I have read and fully understand the terms of the Agreement identified above. _____
Owner(s) Initials

Boarding Fee due on or before 7th of each month: \$ _____

=====

1. Name, Address and Contact Number for Owner(s)

Owner #1:

Full Name (please print): _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone No: _____

E-Mail Address: _____

Is the Owner over age 18? Yes _____ No _____

Name/Relationship/Phone Number to Call in Case of Emergency:

Owner #2 (If more than one owner)

Full Name (please print): _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone No: _____

E-Mail Address: _____

Is the Owner over age 18? Yes _____ No _____

Name/Relationship/Phone Number to Call in Case of Emergency:

2. Name and Description of Owner's Horse

Registered or Show Name: _____

Stable or Pet Name: _____ Age: _____ Gender: _____

Height: _____ Color: _____ Markings: _____

Registration or Tattoo Number: _____

3. Status of Horse and Routine Health Care

Owner warrants and represents that s/he is/are the owner(s) of the horse and that there are no outstanding liens or mortgages against the horse, that all of the information stated herein is true and correct to the best of Owner's knowledge and that the horse is in good health and condition, free from exposure to contagious or infectious

Engineer's Opinion of Probable Construction Cost

Polk County Conservation - Easter Lake Trail

Des Moines, Iowa

03/12/13

			TRAIL LENGTH (FT)= 10,210			TRAIL LENGTH (FT)= 6,150			TRAIL LENGTH (FT)= 1,710		
			PH 1(PCCB)			Ph 2 (PCCB)			Ph 2 (DSM)		
Item No.	Item Description	Unit	Unit Price	Quantity	Total	Unit Price	Quantity	Total	Unit Price	Quantity	Total
1	CLEARING AND GRUBBING	LS	\$5,000.00	1	\$ 5,000.00	\$5,000.00	1	\$ 5,000.00	\$2,500.00	1	\$ 2,500.00
2	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	\$10.00	4,200	\$ 42,000.00	\$10.00	4,000	\$ 40,000.00	\$10.00	1,100	\$ 11,000.00
3	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	\$8.00	4160	\$ 33,280.00	\$8.00	2510	\$ 20,080.00	\$8.00	700	\$ 5,600.00
4	SUBGRADE PREPARATION	SY	\$3.00	15,890	\$ 47,670.00	\$3.00	9,570	\$ 28,710.00	\$3.00	2,660	\$ 7,980.00
5	CULVERT, CMP, 15"	LF	\$35.00	100	\$ 3,500.00	\$35.00	100	\$ 3,500.00	\$35.00	25	\$ 875.00
6	CULVERT, CMP, 24"	LF	\$45.00	60	\$ 2,700.00	\$45.00	30	\$ 1,350.00	\$45.00	0	\$ -
7	APRON, CMP, 15"	EACH	\$350.00	8	\$ 2,800.00	\$350.00	8	\$ 2,800.00	\$350.00	2	\$ 700.00
8	APRON, CMP, 24"	EACH	\$550.00	4	\$ 2,200.00	\$550.00	2	\$ 1,100.00	\$550.00	0	\$ -
9	PCC SIDEWALK, 5"	SY	\$30.00	48	\$ 1,440.00	\$30.00	16	\$ 480.00	\$30.00	0	\$ -
10	DETECTABLE WARNINGS	SF	\$40.00	72	\$ 2,880.00	\$40.00	24	\$ 960.00	\$40.00	0	\$ -
11	RECREATIONAL TRAIL PAVEMENT	SY	\$31.00	13,620	\$ 422,220.00	\$31.00	8,200	\$ 254,200.00	\$31.00	2,280	\$ 70,680.00
12	BRIDGES AND STRUCTURES	SF	\$110.00	700	\$ 77,000.00	\$110.00	0	\$ -	\$110.00	0	\$ -
13	BOARDWALK	SF	\$50.00	0	\$ -	\$50.00	0	\$ -	\$50.00	0	\$ -
14	CONCRETE BARRIER WALL	LF	\$90.00	0	\$ -	\$90.00	1,345	\$ 121,050.00	\$90.00	0	\$ -
15	EROSION CONTROL	LS	\$5,000.00	1	\$ 5,000.00	\$3,000.00	1	\$ 3,000.00	\$1,500.00	1	\$ 1,500.00
16	HYDROSEEDING	ACRE	\$3,500.00	2.82	\$ 9,870.00	\$3,500.00	1.70	\$ 5,950.00	\$3,500.00	0.48	\$ 1,680.00
17	HYDROMULCHING	ACRE	\$2,500.00	2.82	\$ 7,050.00	\$2,500.00	1.70	\$ 4,250.00	\$2,500.00	0.48	\$ 1,200.00
18	MOBILIZATION (4%)	LS	\$26,600.00	1	\$ 26,600.00	\$19,700.00	1	\$ 19,700.00	\$4,200.00	1	\$ 4,200.00
Note: This estimate includes all segments shown in the attached figure.											
Total					\$691,210.00			\$512,130.00			\$107,915.00
Contingencies (10%+-)					\$69,200.00			\$51,300.00			\$10,800.00
Total Construction Costs					\$760,400.00			\$563,400.00			\$118,700.00
<i>Preliminary and Construction Engineering</i>					<i>\$136,900.00</i>			<i>\$122,800.00</i>			
Total 2013 Project Costs					\$897,300.00			\$686,200.00			\$118,700.00
Total Project Costs by Phase					\$897,300.00			\$804,900.00			

Engineer's Opinion of Probable Construction Cost

Polk County Conservation - Easter Lake Trail

Des Moines, Iowa

03/12/13

*Includes trail spur to E Payton Ave

			TRAIL LENGTH (FT)= 10,530			TRAIL LENGTH (FT)= 1,370			TRAIL LENGTH (FT)= 29,970		
			Ph 3 (PCCB) *			Ph 3 (DSM)			TOTAL		
Item No.	Item Description	Unit	Unit Price	Quantity	Total	Unit Price	Quantity	Total	Unit Price	Quantity	Total
1	CLEARING AND GRUBBING	LS	\$7,000.00	1	\$ 7,000.00	\$2,500.00	1	\$ 2,500.00	\$22,000.00	1	\$ 22,000.00
2	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	\$10.00	4,400	\$ 44,000.00	\$10.00	1,600	\$ 16,000.00	\$10.00	15,300	\$ 153,000.00
3	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	\$8.00	4180	\$ 33,440.00	\$8.00	560	\$ 4,480.00	\$8.00	12,110	\$ 96,880.00
4	SUBGRADE PREPARATION	SY	\$3.00	15,700	\$ 47,100.00	\$3.00	2,140	\$ 6,420.00	\$3.00	45,960	\$ 137,880.00
5	CULVERT, CMP, 15"	LF	\$35.00	100	\$ 3,500.00	\$35.00	25	\$ 875.00	\$35.00	350	\$ 12,250.00
6	CULVERT, CMP, 24"	LF	\$45.00	150	\$ 6,750.00	\$45.00	0	\$ -	\$45.00	240	\$ 10,800.00
7	APRON, CMP, 15"	EACH	\$350.00	8	\$ 2,800.00	\$350.00	2	\$ 700.00	\$350.00	28	\$ 9,800.00
8	APRON, CMP, 24"	EACH	\$550.00	7	\$ 3,850.00	\$550.00	0	\$ -	\$550.00	13	\$ 7,150.00
9	PCC SIDEWALK, 5"	SY	\$30.00	32	\$ 960.00	\$30.00	33	\$ 1,000.00	\$30.00	129	\$ 3,880.00
10	DETECTABLE WARNINGS	SF	\$40.00	88	\$ 3,520.00	\$40.00	60	\$ 2,400.00	\$40.00	244	\$ 9,760.00
11	RECREATIONAL TRAIL PAVEMENT	SY	\$31.00	13,360	\$ 414,160.00	\$31.00	1,830	\$ 56,730.00	\$31.00	39,290	\$ 1,217,990.00
12	BRIDGES AND STRUCTURES	SF	\$110.00	4,320	\$ 475,200.00	\$110.00	3,080	\$ 338,800.00	\$110.00	8,100	\$ 891,000.00
13	BOARDWALK	SF	\$50.00	0	\$ -	\$50.00	1,440	\$ 72,000.00	\$50.00	1,440	\$ 72,000.00
14	CONCRETE BARRIER WALL	LF	\$90.00	0	\$ -	\$90.00	0	\$ -	\$90.00	1,345	\$ 121,050.00
15	EROSION CONTROL	LS	\$5,000.00	1	\$ 5,000.00	\$1,500.00	1	\$ 1,500.00	\$16,000.00	1	\$ 16,000.00
16	HYDROSEEDING	ACRE	\$3,500.00	3.50	\$ 12,250.00	\$3,500.00	0.38	\$ 1,330.00	\$3,500.00	9	\$ 31,080.00
17	HYDROMULCHING	ACRE	\$2,500.00	3.50	\$ 8,750.00	\$2,500.00	0.38	\$ 950.00	\$2,500.00	9	\$ 22,200.00
18	MOBILIZATION (4%)	LS	\$42,800.00	1	\$ 42,800.00	\$20,300.00	1	\$ 20,300.00	\$113,600.00	1	\$ 113,600.00
Note: This estimate includes all segments shown in the attached figure.											
Total			\$1,111,080.00			\$525,985.00			\$2,948,320.00		
Contingencies (10%+-)			\$111,200.00			\$52,600.00			\$295,100.00		
Total Construction Costs			\$1,222,300.00			\$578,600.00			\$3,243,400.00		
Preliminary and Construction Engineering			\$324,200.00						\$583,900.00		
Total 2013 Project Costs			\$1,546,500.00			\$578,600.00			\$3,827,300.00		
Total Project Costs by Phase			\$2,125,100.00								

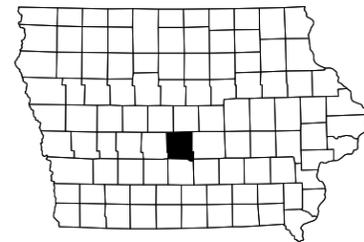
ENGINEER'S OPINION OF PROBABLE PROJECT COST
 FOUR MILE CREEK BANK STABILIZATION
 POLK COUNTY, IOWA
 May 29, 2013
 S&A Project No. 113.0207

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	EXTENSION
1	Riprap, Class E	1405 TON	\$50.00	\$70,250.00
2	Seeding and Mulching, Type 2	1.0 AC	\$2,000.00	\$2,000.00
3	Erosion Control	1 LS	\$6,000.00	\$6,000.00
4	Mobilization	1 LS	\$5,625.00	\$5,625.00
5	6" PCC Trail, Remove and Replace	725 SY	\$65.00	\$47,125.00
SUBTOTAL				\$131,000.00
CONTINGENCY (5% +/-)				\$7,000.00
TOTAL CONSTRUCTION COST				\$138,000.00

CONSTRUCTION PLANS FOR FOUR MILE CREEK BANK STABILIZATION

POLK COUNTY CONSERVATION BOARD

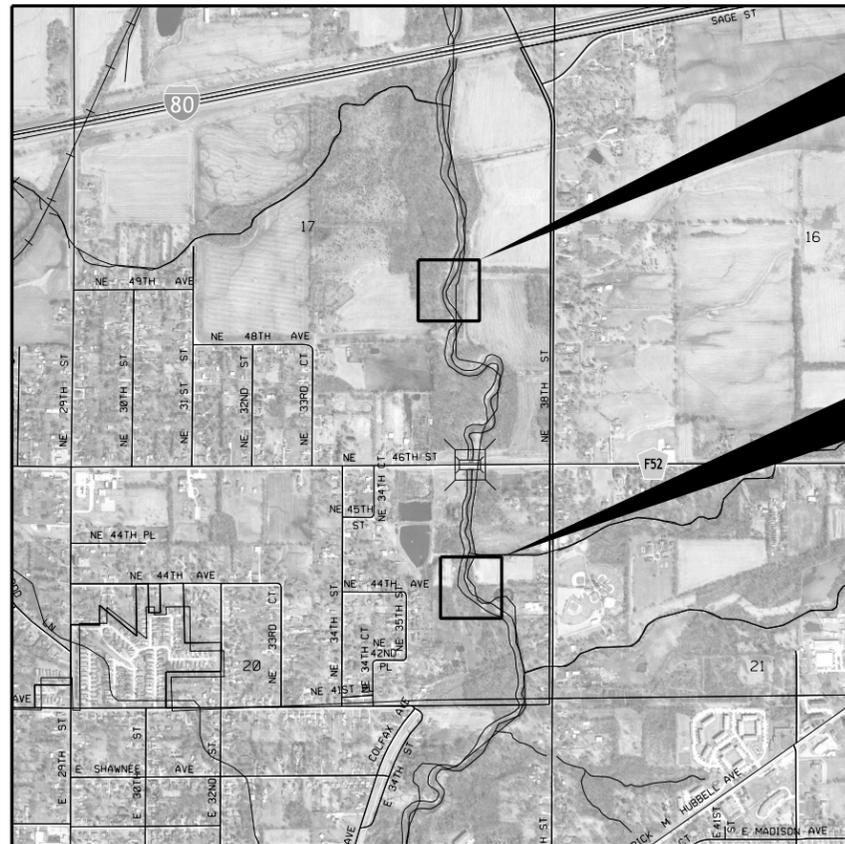
POLK COUNTY, IOWA



POLK COUNTY, IA



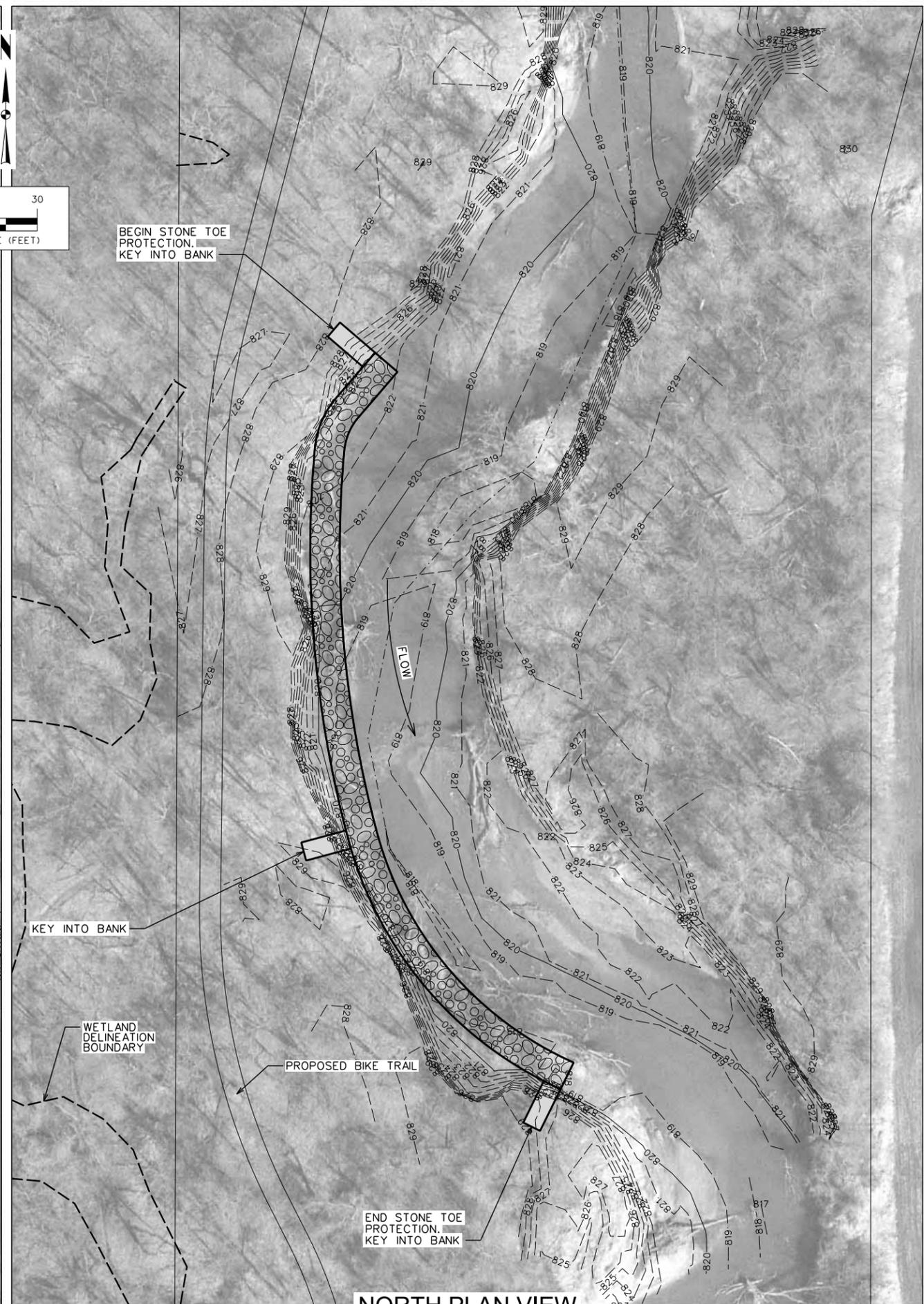
IF CULTURAL RESOURCE IS IDENTIFIED DURING CONSTRUCTION,
STOP WORK IMMEDIATELY AND NOTIFY THE POLK COUNTY
CONSERVATION BOARD.



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 Snyder 160



SOUTH PLAN VIEW



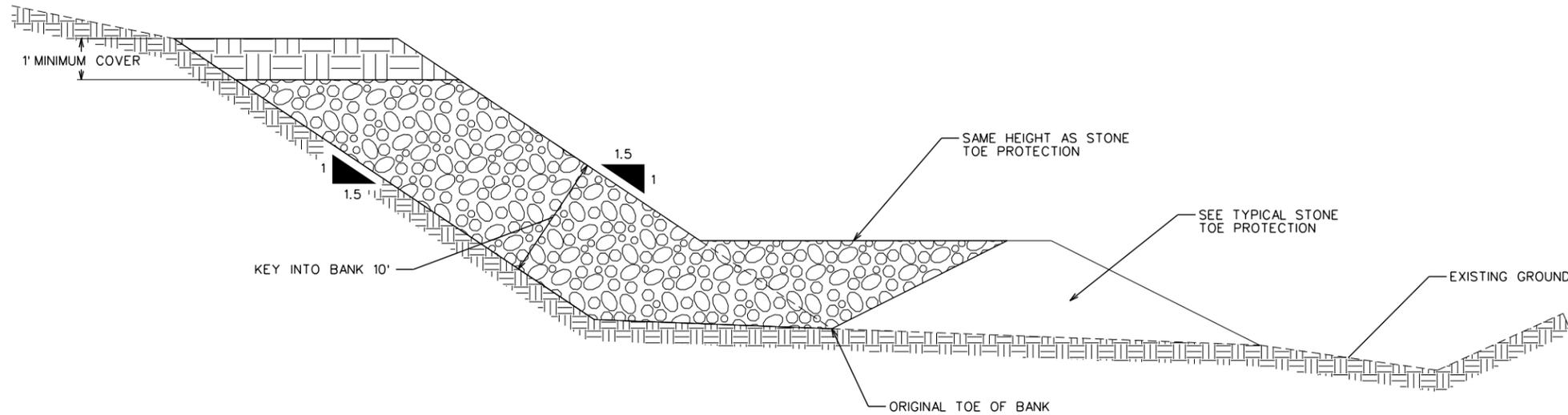
NORTH PLAN VIEW

MARK	REVISION	DATE	BY
Engineer: WCF	Checked By: XXX	Scale: 1"=30'	
Technician: DSS	Date: 05/06/13	Field Bk:	
Project No:	1130207		Sheet 2 of 3

FOUR MILE CREEK BANK STABILIZATION
SITE PLANS
SNYDER & ASSOCIATES, INC.
 POLK, CO, IOWA
 2727 S.W. SNYDER BLVD.
 ANKENY, IOWA 50023
 515-964-2020 | www.snyder-associates.com

Project No: 1130207
 Sheet 2 of 3

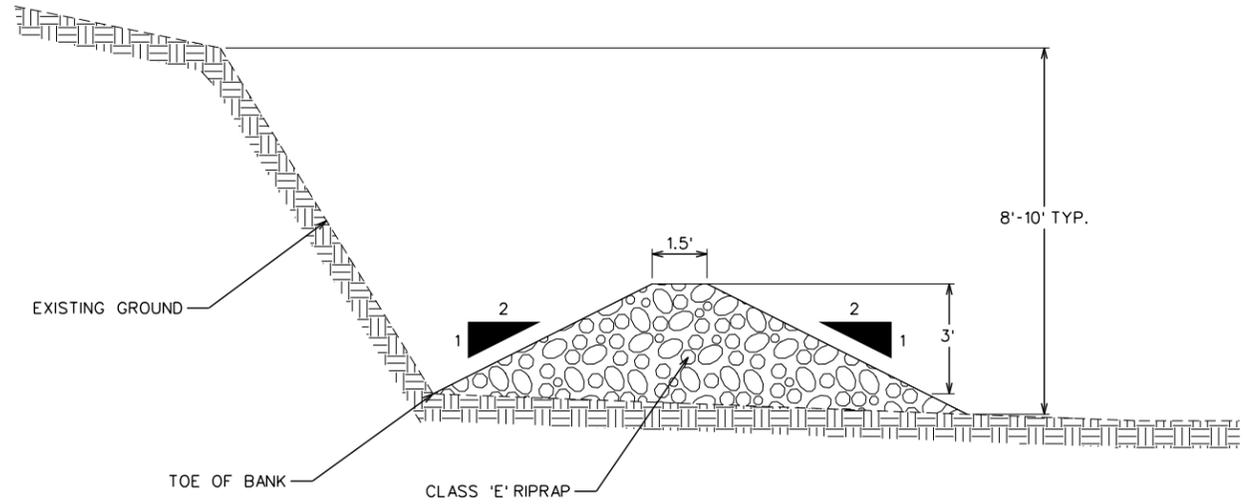
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 1100
 5/21/2013
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 DSS
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NOTES:

1. CONSTRUCT KEY SO THAT THE VERTICAL SECTION REMAINS EMBEDDED IN THE EXISTING STREAM BANK.
2. KEY WIDTH TO BE 4 FEET MINIMUM.

1 KEY DETAIL
3 NO SCALE



NOTES:

1. PLACE APPROXIMATELY 1.5 TONS RIPRAP PER FOOT ALONG CENTERLINE AS STAKED IN THE FIELD.
2. RIPRAP SHALL BE WELL GRADED AND PLACED TO MINIMIZE SEGREGATION.
3. PLACE RIPRAP WITH MINIMUM DISTURBANCE TO BANK AND VEGETATION. MINIMIZE THE NUMBER OF ACCESS POINTS.
4. ALIGNMENT AND PLACEMENT OF ROCK MAY BE ADJUSTED TO FIT EXISTING CONDITIONS WITH APPROVAL OF THE ENGINEER.
5. KEY RIPRAP INTO BANK WHERE SHOWN.
6. RELOCATE IN-STREAM LOGS AND WOODY DEBRIS INTERFERING WITH RIPRAP PLACEMENT TO LOCATIONS ADJACENT TO STONEFILL ON THE STREAM SIDE. OTHER PLACEMENT MAY BE APPROVED BY THE ENGINEER.
7. PLACE EXCAVATED SOIL BETWEEN STONE FILL AND EXISTING BANK.

2 TYPICAL STONE TOE PROTECTION SECTION
3 NO SCALE

RIPRAP SCHEDULE					
SITE	APPROXIMATE STONE TOE LENGTH	STONE TOE RIPRAP	KEYS	KEY RIPRAP	TOTAL RIPRAP (ESTIMATE)
NORTH	400'	600 TON	3	60 TON	600 TON
SOUTH	485'	725 TON	4	80 TON	805 TON
				TOTAL =	1405 TON

MARK	REVISION	DATE	BY
Engineer: WCF	Checked By: XXX	Scale: AS SHOWN	
Technician: DSS	Date: 05/06/13	Field Bk:	Pg:
Project No: 1130207			Sheet 3 of 3

FOUR MILE CREEK BANK STABILIZATION

NOTES AND DETAILS

POLK, CO, IOWA

SNYDER & ASSOCIATES, INC.

2727 S.W. SNYDER BLVD.
 ANKENY, IOWA 50023
 515-964-2020 | www.snyder-associates.com

