



Division of Soil Conservation
Department of Agriculture & Land Stewardship
State of Iowa

Transmittal Cover

To: All Planholders

From: Mike Bourland, Engineer

Fax:

Date: August 21, 2012

Phone:

Pages: 16, including cover

Re: Cla943506C CREP Wetland Project (12-07)

Phone: 515-242-6130

Comments:

- **Addendum 1**
- **Prebid Meeting Minutes**
- **Prebid meeting attendance list**
- **Updated plan holders list**



IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP

Bill Northey, Secretary of Agriculture

August 21, 2012

Division of Soil Conservation
Wallace State Office Building
Des Moines, IA 50319

TO: Prospective Bidders

Subject: **Addendum No. 1** to Bid Document
Cla943506C CREP Wetland Project – Bid No. 12-07
Clay County, Iowa

This addendum forms a part of the bidding contract documents and modifies the original bidding documents dated August 2012. All bidders must acknowledge receipt of the addendum in the space provided on the top of Page CC-2 of Document CC, the Proposal and Schedule of Prices. **FAILURE TO DO SO WILL SUBJECT BIDDER TO DISQUALIFICATION.**

Document CC – Proposal Schedule of Prices:

Updates have been made to the Schedule of Prices with changes made to the Estimated Quantity's for Item Nos. 15 and 16. Item 24 was added and Items, 25-29 were renumbered. An updated Document CC is attached that acknowledges this addendum and should be used for the bid submittal.

SPECIFICATIONS:

Section IA-51-7-A Corrugated Metal Pipe Conduits

Add the following bid item.

- Bid Item, Corrugated Metal Tile Outlet Pipe, 24" Diameter

PLANS:

On sheet B.01 Water Control Structure Details

- On the detail labeled Water Control Structure Elevation delete the note at the base which reads "6" Poured Concrete...See note No. 4" and replace it with the following note "INSTALL CONCRETE INVERT BETWEEN INLET AND OUTLET FLOW LINES ALSO INCLUDE FILLETS IN WCS CORNERS. BOTTOM STOP LOG AND CHANNELS SHALL BE CAST APPROXIMATELY 3" INTO THE INVERT. SEE NOTE NO. 4."

On sheet B.03 INLET STRUCTURE DETAILS

- In the box for Work and Materials at Tile #1 Inlet Structure at the following as a bullet, "Approx. 1LF 48" DIA. T&G RCP, CLASS 2" to the listed under the Inlet Structure Item.

On sheet D.05 TILE DAYLIGHT #1 AND #2

- On the profile for Tile Daylight #1 delete the note which reads "*Install 8LF of 12" Dual Wall Perforated HDPE at 0.5% w/rodent guard at outlet to riser*" and replace it with the following "INSTALL 2- 8LF SECTIONS OF 12" DUAL WALL PERFORATED HDPE AT 0.5% W/RODENT GUARD AT OUTLET TO RISER, CONNECT ONE 12" PIPE TO EXISTING TILE AND INSTALL AND END CAP ON THE SECOND PIPE FOR FUTURE USE."
- On the profile for Tile Daylight #2 replace the pipe labels of 2000D with labels of 1500D. This bid item is correct on the Schedule of Prices.

Sincerely,



Michael L. Bourland, P.E.
Water Resources Bureau
Division of Soil Conservation

MLB
Enclosures
End of Addendum No. 1

UPDATED DOCUMENT CC FOR AMENDMENT NO. 1

Time and Date of Bid Opening: 3:00 p.m., August 28, 2012
 Conference Room 2
 Division of Soil Conservation – IDALS
 502 East 9th Street
 Des Moines, IA 50319-0050

Project Description and Location: Cla943506C CREP Wetland Project
 West 1/2, Southwest 1/4, Section 6, Township 94 North, Range 35 West
 Clay County, Iowa

Proposal of _____
 (Name of Bidder)

Located at _____ () _____
 (Address) (Telephone Number)

Amount of Proposal Guarantee	Description of Work	Specified Completion Date	Liquidated Damages
10% of Base Bid	Grading Only	October 31, 2012	\$ 7,595
	All Work	November 30, 2012	\$ 7,595

The undersigned hereby agrees, if awarded the contract, to execute the proposed contract and to furnish satisfactory performance bond in an amount not less than one hundred percent (100%) of the contract award within fourteen (14) days after the date of approval of award of the contract, and to provide all supervision, labor, materials, and equipment required to complete the project designated above, for the prices hereinafter set forth, in strict compliance with the Contract Documents prepared by the Division.

The undersigned agrees, if awarded the contract, to commence the work after the Preconstruction Conference and within fourteen (14) calendar days of receipt of the Notice-to-Proceed. The undersigned further agrees to complete the work within the contract period, or to pay liquidated damages. The Division has paid the landowner \$7,595 to allow for summer construction. If grading is not completed by October 31, 2012, then this amount paid to the landowner will be withheld from the final payment to the contractor. If any portion of the contract work is completed such that it extends beyond the next federal fiscal year, the Division will have to pay an estimated amount as provided for liquidated damages set for all work.

A proposal guarantee in the amount stipulated herein is included with this proposal, to be forfeited to the Division, if the undersigned fails or refuses to execute the contract and furnish satisfactory performance bond, if awarded the contract.

By _____
 (Signed)

 (Title) (Date)

UPDATED DOCUMENT CC FOR AMENDMENT NO. 1

In executing this proposal, Bidder acknowledges receipt of Addenda Number 1 dated 8-21-12

In executing this proposal, Bidder acknowledges receipt of Addenda Number dated

In executing this proposal, Bidder acknowledges receipt of Addenda Number dated

THE FOLLOWING AFFIDAVIT MUST BE COMPLETED AND NOTARIZED, OR THIS BID WILL BE REJECTED

AFFIDAVIT

The signatory, being duly sworn, does depose and say that the undersigned is an authorized representative of:

(Name of Firm)

Located at _____

hereinafter referred to as "Bidder" and does hereby affirm to have personal knowledge that said Bidder has thoroughly examined the Contract Documents, carefully prepared the proposal form, and has checked the same in detail before submitting; and that said Bidder, or the agents, officers, or employees thereof, have not, either directly or indirectly, entered into any agreement, participated in any collusion or fraud, or otherwise taken any action in restraint of free competitive bidding in connection with this bid.

(Signed)

Subscribed and sworn to before me this _____ day
of _____, 20_____

(Signed, Notary)

My Commission Expires _____, 20_____

SCHEDULE OF PRICES

UPDATED DOCUMENT CC FOR AMENDMENT NO. 1

Cla943506C Project, Contract No. 12-07
 West 1/2, Southwest 1/4, Section 6, Township 94 North, Range 35 West, Clay County, Iowa

Name of Bidder: _____

Item Amount No.	Work or Material	Spec No.	Estimated Quantity	Unit	Unit Price	
1	Stripping	IA-1	5,983	CY		
2	Structure and Channel Fertilizing and Seeding	IA-6	3.08	ACRES		
3	Buffer Seeding	IA-6	18.87	ACRES		
4	Mobilization/Demobilization	IA-8	1	LS		
5	Drainage Tile Investigation and Removal	IA-9	1	LS		
6	Steel Sheet Pile	IA-13	2,300	SF		
7	Excavation Core Trench, Channel & Stilling Basin	IA-21	6,291	CY		
8	Earthfill, Dike	IA-23	19,925	CY		
9	Earthfill, Pool	IA-23	1,630	CY		
10	Earthfill, Buffer Containment/Surface Water Berms	IA-23	277	CY		
11	Drainfill, Fine	IA-24	157	CY		
12	Corrugated Perforated Drain Tile, 5" Diameter	IA-45	336	LF		
13	Corrugated Perforated Drain Tile, 8" Diameter	IA-45	1,077	LF		
14	Dual Wall HDPE, 8" Diameter	IA-45	12	LF		
15	Dual Wall HDPE, 12" Diameter	IA-45	16	LF		
16	Tongue & Groove Gasketed Wall B or C RCP Pipe, 15" Diameter	IA-46	97	LF		
17	1500D RCP, 24" Diameter	IA-46	40	LF		
18	1500D RCP, 48" Diameter	IA-46	70	LF		
19	Inlet Structure, 24"	IA-46	1	LS		
20	Inlet Structure, 48"	IA-46	1	LS		

Item Amount No.	Work or Material	Spec No.	Estimated Quantity	Unit	Unit Price	
21	Water Control Structure, 15" Diameter	IA-46	1	EA		
22	CMP Outlet Pipe, 6" Diameter	IA-51	20	LF		
23	CMP Outlet Pipe, 10" Diameter	IA-51	20	LF		
24	CMP Outlet Pipe, 24" Diameter	IA-51	144	LF		
25	CMP Outlet Pipe, 30" Diameter	IA-51	20	LF		
26	Riprap, Class E	IA-61	551	TONS		
27	Riprap, Erosion Stone	IA-61	66	TONS		
28	Concrete Grout	IA-62	61	CY		
29	Geotextile Fabric	IA-95	703	SY		

TOTAL BASE BID.....\$ _____

*Refer to Document GG, Section 7.02 for payment limitations for this bid item.

END OF DOCUMENT

**CLAY COUNTY CREP WETLAND PROJECT
CLA943506C - BID NO. 12-07
PREBID MEETING NOTES
August 14, 2012 at 10:00 a.m.**

Introduction:

1. Mike Bourland, Water Resources Bureau Engineer with the Division of Soil Conservation (Division) opened the meeting and had people introduce themselves. Among those in attendance included Nick Roethler of I & S Group, Ike Peterson with IDDA, and Peter Crew, the landowner.
2. Mike informed all present that the Conservation Reserve Enhancement Program (CREP) is funded with state funds that are intended to be matched 4:1 with federal funds. This part of the program has been set up to construct strategically located wetlands to capture nitrates from field tile within a 37 county area of the state incorporating a glacial feature known as the Des Moines lobe. This Clay County site is one of two contracts being bid at this time. We also plan to bid up to five more projects this fall.
3. The current list of plan holders was handed to all in attendance.

Bidder's Qualifications:

All Bidders shall meet the following qualifications:

1. Contractors are required to be registered with the Iowa Division of Labor.
2. Contractors shall, upon request of the Division, submit a statement of Bidder's qualifications including experience, equipment, personnel, and financial ability to perform the work as outlined in Section 2 of Document BB.

Method of Bidding:

This is a unit price contract and bidders shall submit unit price bids as required for the work items covered by the specifications. Prices shall cover complete work and include all costs incidental thereto unless otherwise indicated. The base bid includes all items **1 through 28**. A separate Document CC was provided with the bid package that is to be used for submitting the bid. If needed, an addendum will be issued no later than **August 21, 2012**. Any questions that should be considered as part of an addendum must be submitted to us by this date. If an addendum is sent, please make sure to note on Page CC-2 that you have received and acknowledged the addendum. If work is added to the contract which is not covered by a bid price set forth in the Proposal and Schedule of Prices (*Document CC*), a Change Order will be issued. If additional work requires additional working days, a Contract Amendment will be issued.

Submission of Bids and Bid Security:

Bids should be submitted in two envelopes. A larger envelope should include the Proposal and Schedule of Prices (*Document CC*) that must be signed by a legally authorized representative of the Bidder and notarized. All issued addendum shall be acknowledged as received by the Bidder. Do not submit Plans or Specifications with the bid. If this form is not accurately completed, this shall prevent the reading of that Bidder's bid.

A separate smaller envelope shall contain the Bid Security or bid bond, which is in the amount of ten percent (10%) of the base bid. This envelope shall be taped to the outside of the larger envelope. It should be noted that the sealed bid number, **CREP 12-07**, and the Bidder's name and address must appear on the exterior of both envelopes. If the Bidder elects to use a bid bond, the bidder shall complete Proposal Guarantee Bond (*Document EE*) and include it in the smaller envelope.

All bids are due at **3:00 p.m.** at the Wallace State Office Building in Des Moines on **August 28, 2012**.

Evaluation of bids and award of Construction Contract:

This Clay County CREP wetland project shall be awarded to the lowest responsible bidder as determined by the Division. In evaluating the bids, the Division may consider such factors as alternates, bid price, experience, responsibility of the Bidder, and similar factors in determining which bid it deems to be in the best interest of the Division for the project. In comparing bid prices, the total bids of the various Bidders shall be determined by applying the unit prices bid for each work item against the estimated work item quantities set forth in the *Proposal and Schedule of Prices (Document CC)*.

Bid tabulations for the Clay County CREP Wetland Project will be prepared the week following the Bid Opening and distributed to all Bidders. Other plan holders or interested parties must request bid tabulations.

Execution of Contract:

1. The party to whom the Clay County CREP Wetland Project is awarded shall be required to execute the Contract; obtain the appropriate insurance coverage and Performance/Payment Bond; and provide their Iowa Department of Labor Public Registration Number within fourteen (14) calendar days from the date of receipt of the Notice-of-Award. In case of failure of the Bidder to execute the Contract, the Division may at its option consider the Bidder in default, in which case the bid security accompanying the bid shall become the property of the Division.
2. The Division, within fourteen (14) days of receipt of an acceptable and properly executed Performance/Payment Bond, certification of acceptable insurance coverage, and properly executed Contract, shall sign the Contract and return to such party an executed copy of the Contract. Should the Division not execute the Contract within such period, the Contractor may by submitting written notice, withdraw the signed Contract. Such notice of withdrawal shall be effective upon receipt of the notice. A longer period is stated in Doc BB-9 of the specifications due to a carry over of the past project and does not apply to this project.
3. The Notice-to-Proceed shall be issued within five (5) days of the execution of the Contract by the Division. The Notice-to-Proceed will stipulate the initiation of the working days for this contract. If the Notice-to-Proceed has not been issued within a thirty (30) day period or within a greater period mutually agreed upon, the Contractor may terminate the Contract without further liability on the part of either party.
4. The Division has worked out an agreement with the landowner so that construction can begin this summer.

Taxes:

Since this is state contract, there is no sales tax for materials purchased. We will be providing a tax exemption certificate to the awarded contractor as indicated in the last page of the appendix of the specifications. This should be considered when determining the unit prices submitted in the bid.

Measurement and Payment:

The method to be used in measuring and calculating the payment quantities for each work item set forth in the proposal, is described in the particular section of the specifications in which work to be accomplished under the particular work item is described. Payments will be made on the basis of monthly estimates in amounts equal to ninety-five percent (95%) of the value of work completed. In preparing monthly estimates, advancement will be made therein for ninety-five percent (95%) of the cost of materials stored on site.

Time of Completion:

There are two different completion deadlines as noted on Document CC, the Notice to Bidders. The first completion date is for the earthwork to be completed by **October 31, 2012**. The final date for completion is set for **November 30, 2012**. The reason for the different completion dates is that the state has paid the landowner an incentive to sign up early for this project to allow construction to occur in the summer.

Liquidated Damages:

There are liquidated damages provisions on this project. If the majority of the grading is not completed by October 31, 2012 or if the remaining portion of the contract is not completed by November 30, 2012, the Contractor will be assessed a penalty in the amount of **\$7,595.00** to cover the cost that was paid to the landowner to allow for summer construction which also the additional cost to the state if the contract extends beyond the next federal fiscal year.

Questions and Addenda:

Questions concerning interpretation or intent of the Plans and Construction Specifications should be directed to Nick Roethler (515-295-2980). All other questions concerning the Contract Documents should be addressed to Mike Bourland (515-242-6130) at the Division of Soil Conservation.

Any oral interpretations given shall be valid only if confirmed by written addendum. All interpretation requests should be addressed in writing and received no later than **August 21, 2012**.

The Division reserves the right to revise or amend the Contract Documents prior to the date set forth for receipt of bids. Such revisions and amendments, if any, shall be announced by an addendum or addenda to the Contract Documents. Copies of such addenda, as may be issued, shall be furnished to all holders of the Contract Documents and Bid Package. Bidders are required to acknowledge receipt of all addenda by listing such addenda in the *Proposal and Schedule of Prices (Document CC)*.

Special Conditions:

There are several unique items about this project that are included in Section GG of the Specifications. The Bidder should become familiar with Section 7 defining the payment limits for buffer seeding, bid item #4 that limits the amount of payment for this item to a maximum amount of **\$670.76** per acre.

Review of Construction Specifications by Nick Roethler with the engineering design firm**Construction Specifications, General**

- Be sure to review each section carefully.
- Attention should be directed to the last subsection of each specification that addresses the work and construction details associated with the several bid items.
- The bid form directs bidders to the applicable primary specification section for each bid item.
- In addition to the standard purposes mobilization includes pollution prevention, and bonding costs.
- Please be aware of seeding requirements and seeding dates. Approval of seed mix will need to go through District Conservationist Dean R. Gronemeyer Clay County NRCS/SWCD and I&S Group.

Plan Sheet A.01 – Title Sheet

- Noted project location

Plan Sheet A.02 – Site Plan

- Be sure to review all construction notes.
- All of the riprap is to be placed on engineering fabric.
- Topsoil strip depth is 6 inches; topsoil return is 4 inches outside the normal pool.

- Topsoil return is 6 inches inside the normal pool, below elevation 1334.00 and a minimum of 4 inches elsewhere.
- During excavation areas where topsoil is to be placed must be over excavated and fill areas should be left short for final topsoil placement.

Plan Sheet A.02 – Site Plan continued:

- Easement pins are set at white-sleeved posts. If disturbed they must be replaced by the land surveyor who set them at the contractor's expense.
- Access is located off of 460th street approximately 3700 feet west of the intersection of 460th Street and 290th Ave. (M54).
- Access is also available from north of the site prior to crops being harvested. The access is located on 450th street approximately 4300 feet west of the intersection of 450th street and 290th Ave. (M54). Part of this access path crosses a neighbor's property and the landowner has secured the permission from the property owner to allow access through this area.
- All tiles found under the dike need to be removed 15' upstream and downstream of dike toe. Two known tile lines cross under the structure.
- Contractor shall excavate test holes in areas shown to determine if borrow material is suitable for stripping topsoil.

Plan Sheet B.01 – Water Control Structure Details (WCS)

- Be sure to review all construction notes.
- Location of stop log storage will be determined by engineer in the field.
- Please review further notes for WCS on sheet D.02.
- Steel Stop Log channel is to be galvanized.
- Shop drawings for WCS are to be submitted to engineer prior to fabrication.
- Location of stop storage will be determined by engineer in the field.

Plan Sheet No. B.02 – Sheet Pile Structure and Details

- Please remove all notes for each detail.
- The means and methods for installing the sheet pile were discussed. See Construction Specification IA-13. The sheet pile must be driven.
- The material specifications for the sheet pile were pointed out. Equal substitutes will be reviewed for acceptance.
- The sheet pile must reach or exceed the plan outline. It must be cut to plan line where exposed. Payment will be to neat lines.
- Piling lengths shall be sufficient to permit removal of all material that is damaged by driving operations.
- The design sheet piling area is the area of sheet piling shown inside the neat lines.
- Compensation for sheet pile waler, bolts, etc. is included in unit price for sheet pile.
- No protective coating (paint) is required. See Construction Specification IA-81.
- The waler need not be one continuous piece, but it must cover the entire length of the top of the sheet pile. Joints between pieces of waler are to be welded after installation.
- Reviewed Typical Grouted Riprap Detail and discussed that top of riprap and grout elevation.

Plan Sheet B.03 – Inlet Structure Details

- Be sure to review all construction notes, work, and materials at both Inlet Structures #1 and #2.
- Contractor shall coordinate installation of tile upstream of point B on Daylight #2 with Drainage District #8 Branch No. 4's contractor King Construction.
- Rock Bedding is ONLY to be installed on the vertical RCP TEE's.
- Note that these items include all work downstream of "Point A" and "Point B" as shown on the elevation view and described in the work and materials at inlet note.
- For Water and Materials at Tile #1 Inlet Structure the Inlet Structure Item list shall also include a bullet which reads "Approx. 1 LF 48" Dia T&G RCP, Class 2".

Plan Sheet No. D.01 – Stilling Basin Plan and Profile

- Areas where riprap is to be grouted were reviewed. Riprap downstream of Sta. 0+40 will **NOT** be grouted. A curing compound or other method of covering is to be applied to the surface after the grout is placed. See Construction Specification IA-62 .
- Class E Riprap is to be screened over a grizzly or plate screen with a minimum opening of 8 inches.
- Riprap elevation above weir was reviewed.
- End point of riprap reviewed and channel width and slope transition pointed out.
- Locations of DD#8 Main tile, trench drains and WCS outlet were reviewed.
- Note about not disturbing DD#8 Main tile was reviewed.
- Area of tile removal was reviewed.
- The stilling basin must be dewatered before placing engineering fabric. A short dike may be needed for dewatering of the stilling basin to control backwater. This is subsidiary work. See IA-11.
- Discussed details of sheet pile installation berm shown.
- The stilling basin downstream of the weir and the berm elevations and widths were reviewed.
- Discussed compaction requirement of Earthfill in dike.
- Discussed sheet pile installation berm purpose and notes.

Plan Sheet No. D.02 – Water Control Structure

- The purpose of the WCS is to control water levels, which facilitates vegetation growth.
- Please note location of trench drain alignment in regards to WCS outlet and trench drain CMP outlet.
- A concrete water control structure has been specified
- Discussed structure access berm and its purpose.

Plan Sheet No. D.02 – Water Control Structure continued:

- SPECIAL ATTENTION IS GIVEN TO THE INSTALLATION NOTES. A dewatered dry trench is required. Note special compaction methods and requirements around the pipe and structure. The compaction of each layer is to be observed and accepted by the Engineer or his representative.
- No rock bedding will be allowed for installation of 15" Tongue and Groove Gasketed Wall B OR C RCP. Rock bedding on this pipe will allow water to migrate along the pipe trench. Rock bedding will be allowed to provide a firm base to set the WCS.
- The inlet apron section and bar guard was discussed.
- Noted the type and locations of the anti-seep collars.
- Notes for WCS were reviewed, along with detail drawings for stop logs, and anti-seep collars.
- Additionally please review all notes for drawdown control structure on sheet B.01.

Plan Sheet No.D.03-D.04 – Core Trench –Trench Drain Plan and Profile

- The trench drain is to be placed in a porous backfill envelope. See detail.
- The outlets of trench drain are CMP with rodent guards.
- The core trench is 5.0 feet deep; see detail for core trench excavation and cross section.
- Core trench excavation shall be done in presence of engineer. Additional depth may be required to remove poor material. If substantial, a change order is warranted.
- Where there is concern that a tile may be deeper, tile exploration may be required. See Bid Item Drainage Tile Investigation and Removal and IA-9.
- Noted that drain fill for trench drain is paid as a separate item.
- Noted elevations for design and settled fill height on dike.
- Discussed tile observation riser note and arrow which indicates to search for tile in this area.

Plan Sheet Nos.D.05 – Tile Daylight #1 and #2

- Contractor is to locate tiles near the anticipated end of the daylights prior to engineer staking the daylight. This is part of Bid Item 6.
- Called attention to details for Surface Water Diversion Berm and Emergency Spillway on Tile Daylight #1. A top with an elevation of 1343.50 needs to be constructed before topsoil is placed.

- Called attention to details for Buffer Containment/Surface Water Diversion Berm and Grade to drain note on Tile Daylight #2. A top with an elevation of 1339.00 needs to be constructed before topsoil is placed.
- Called attention to Tile Daylight #2 profile which indicates where division is between CREP and Drainage District work at Sta It 66.

Plan Sheet Nos.D.05 – Tile Daylight #1 and #2 continued:

- All 24" 2,000 D RCP labeled on profile of Tile Daylight #2, shall be 1,500 D not 2,000 D as labeled, this item is correct in the schedule of prices.
- Land owner has requested that a second 12" Dual Wall Tile be installed to outlet into the 48" RCP TEE for futures use, this quantity has been updated on the schedule of prices.

Plan Sheet D.06 – Tile Daylight #3

- Indicated notes on tile daylight ditch where topsoil stripping is required.
- Leveled spoil piles are to be covered with 9 6" topsoil layer.
- Leveled spoil piles are intended to serve for future equipment access for ditch maintenance. See typical cross section detail.
- If contractor locates unknown tile they shall verify location and elevation with engineer prior to out letting them into Daylight #3 these tile area also to have an animal guard.
- Reviewed locations of CMP surface drains.
- Upstream drop structure and surface drain was reviewed this construction above Sta 22+55.50 is part of DD#8 Branch No. 4 work; however the seeding of this area is to be completed as part of the CREP contract.
- Submerged Berm location was pointed out.

Plan Sheet Nos. D.07 – Pool Grading Plan

- Notes on sheet were reviewed.
- Submerged diversion berm and note was discussed. Its purpose is to increase detention time of water in the wetland, care need to be taken to ensure proper finish top elevation.
- Pool grading was reviewed. Contractor may deviate from finish elevations shown to perform borrow excavation with prior approval. General Elevations and shape of Borrow Area 5 must be met upon completion of site grading to ensure the adequate area of pool.
- Please note finish elevations and slopes as shown.
- Pool Fill Area and Submergent Habitat Mounds were discussed.
- Borrow Test Holes were discussed, this work is to be done with engineer present prior to stripping topsoil to determine suitability of borrow material.

Plan Sheet Nos. D.08 – Outlet Channel – Rock Check Dams

- Notes on sheet were reviewed.
- Rock Check Dam locations and cross section note was discussed. Its purpose is to prevent erosion of the downstream channel.
- Care needs to be taken to ensure proper finish top elevations.
- Riprap does not need to be grouted but must be place over engineering fabric.
- The top 6" of Rock Check Dams is to be Erosion Stone, this was specified to allow contractor to better meet finish elevations.

Additional Meeting Discussion Topics

- I&S Group will provide construction staking as need during construction for major activities.
- The availability of an electronic copy of the site plan was discussed. I&S Group will make this available to those who request it and sign a waiver.
- Seeding Dike & Channels. Construction Spec IA-6 calls for applying seed with a drill. Engineer will consider alternative means of applying seed and mulch if requested by contractor with supporting information. Hydroseeding of dike and channel with a mixture of seed and mulch will be accepted. Mulch is specified for both structures and the channels.

- Buffer Seeding. Payment is capped at \$670.76 per acre. Higher bids will be reduced to this amount. It was advised to not bid higher. See Special Conditions Section 7, paragraph 7-02 on page GG-4.
- Note the seeding period requirements in IA-6.
- Although drilling is preferred and specified, considerable leeway will be given toward broadcast seeding with means and method to achieve desired result first proven to engineer. Broadcast or hydro seeding is specified in areas not accessible with a drill.
- No mulch required in buffer seeding.
- Access is allowed to the property as shown on plan sheet A.02. Contractor will be required to restore rutted and/or damaged vegetation in the access paths.
- Pollution prevention was discussed. Engineer will not specify work. Contractor is responsible to comply with the law. The IDNR has waived the need for a storm water discharge permit. Temporary seeding with oats and placement of silt fence downstream of the structure toes were discussed as likely compliant practices. Engineer used 800 feet of silt fence in preparing the estimate. See IA 5-3 for note.
- Davis Bacon wage rates to not apply to this project.
- The land owner will mow or disk down wheat/grasses inside the easement prior to construction and top soil stripping
- A wet side hill seep area is located at approx. Sta 5+00 on the dike alignment, it is unknown what underlies this area. The contractor will be asked to investigate this area in the presence of IDALS and the project engineer to determine what underlies this area. If this area warrants a larger core trench or other measures a change order will be negotiated.

**CLA943056C CREP Wetland Project
Pre-Bid Meeting Attendance List**

Nick Roethler
I&S Group
1609 US HWY 18E
Algona, IA 50511
Ph: 515-295-2980

Mike Bourland
IDALS-DSC
Water Resource Bureau
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Dan Inbody
Peterson Contractors, Inc.
PO Box A
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Ph: 319-345-2713

Jim Snapp
Deer Valley Land Improvement
PO Box 555
Cherokee, IA 51012
Ph: 712-443-8856

Pete Crew
3230 260th Avenue
Spencer, IA
Ph: 712-262-4391

Ike Petersen
CREP Program
IDDA

CREP WETLAND PLAN LIST

CL#	CONTACT1	CONTACT2	COMPANY NAME	ADDRESS1	ADDRESS2	CITY	ST	ZIP CODE	PHONE #	E-MAIL1
x	Mike Bourland, P.E.		IDALS-DSC	502 East 9th Street		Des Moines	IA	50319	515-242-6130	mike.bourland@iowaagriculture.gov
x	Nicholas J. Roethler, P.E.		I&S Group	1609 US Highway 18 E		Algona	IA	50511	515-295-2980	nick.roethler@is-grp.com
x	Shawn Richmond		IDALS-DSC	502 East 9th Street		Des Moines	IA	50319	515-281-7032	shawn.richmond@iowaagriculture.gov
x			Clay SWCD	Plaza	PO Box 185	Spencer	IA	51301	712-868-3432	
x	Tom Joy		Joy Dirt Construction	202 State Street		Cushing	IA	510180185	712-384-2700	jd@turawaves.us
x	Richard Reimers		Cohrs Construction, Inc.	1447 Highway 86		Spirit Lake	IA	51360	712-832-3714	cohrsconstruction@yahoo.com
x	Dean Quirk	Holly Quirk	Spring Lake Construction	4123 NW 95th Place		Polk City	IA	50226	515-965-6093	springlake@q.com
x	Chuck Covell	Paul Steger	Reilly Construction, Inc	110 East Main Street	PO Box 99	Ossian	IA	52161	563-532-9211	ccovell@reilly-construction.com
x	Jesse Steger		Steger Construction, Inc.	3297 Vine Road		Dyersville	IA	52040	563-875-7876	plsteger@iowatelecom.net
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x	Josh Hanke		Hanke Construction	2589 430th Street		Little Cedar	IA	50454	641-983-4443	jhanke21@hotmail.com
x	Eric Christian	Paul Christian	Christian Brothers Excavating, LC	2070 485th Street		Sioux Rapids	IA	50585	712-283-2496	cbesioxrapids@gmail.com
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x	Jim Snapp		Deer Valley Land Improvement, Ltd.	PO Box 555		Cherokee	IA	510120555	712-443-8856	firststreet@netins.net
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x	Steve Molsad		Charlson Excavating Company	4111 7th Avenue North	PO Box 61	Clear Lake	IA	50428	641-357-5601	emolstad_ccc@netins.net
x	Bob Cole		Cole Excavating, Inc.	10471 Packard Avenue		Greene	IA	50636	641-823-4700	angcoleexc@chooseblue.coop
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