IOWA DEPARTMENT OF
**AGRICULTURE &**
**LAND STEWARDSHIP**

Division of Soil Conservation and Water Quality

# Cover Page: Pre-Bid Minutes, Questions, Addenda

| | | | |
|---|---|---|---|
| To: | All plan holders | From: | Tracy Bruun, Division |
| Pages: | 25, including this cover sheet | Phone: | 515-344-6279 |
| Re: | Sto852118B Nutrient Reduction Wetland (Bid 24-07) | Date: | December 31, 2024 |

Comments:

- Addendum No. 1 with Attachments: (1 page)
  Schedule of Prices, document CC (4 pages)
  Construction Specification 000 IACS-31 Concrete (7 pages)
  Plan sheets - A.04, B.05, C.01, M.01, M.02, M.03 (6 pages)
- Pre-Bid Meeting Minutes (4 pages)
- Pre-Bid meeting attendance list (1 page)
- Updated plan holders list (1 page)
- Electronic files for grading can be obtained by e-mail by contacting Brandon Short with Bolton & Menk, Inc. at brandon.short@bolton-menk.com or 515-509-9296.

- END OF COVER PAGE -

IOWA DEPARTMENT OF
AGRICULTURE &
LAND STEWARDSHIP

Mike Naig
Secretary of Agriculture

Wallace State Office Building • 502 E 9th St, Des Moines, IA 502319 • (515) 281.5321 • www.IowaAgriculture.gov

December 31, 2024

Division of Soil Conservation and Water Quality
502 East 9th Street
Des Moines, IA 50319

TO: Prospective Bidders

Subject: **Addendum No. 1** to Bid Documents
STO852118B Nutrient Reductionl Wetland Project – Bid No. 24-07
Story County, Iowa

This addendum forms a part of the bidding contract documents and modifies the original bidding documents dated December 2024. An updated bidding form, Document CC.– Proposal and Schedule of Prices is attached with the addendum acknowledged. This updated bidding form must be used for 24-07 and all bidders must acknowledge this addendum on Page CC-2. **FAILURE TO DO SO WILL SUBJECT BIDDER TO DISQUALIFICATON.**

**Description:**

**DOCUMENT CC– PROPOSAL AND SCHEDULE OF PRICES, 24-07** (See Attachment No.1)

- The Schedule of Prices table is amended as follows: Bid Item No. 5 “Reinforced Concrete Pipe” has been revised to now include 12” and 15” diameters, “A” and “B”, respectively. Also, a new Bid Item No.28 “SW-512 (Area Intake) has been added.
- Please use the updated Document CC, with revised Scheduled of Prices, with updated project quantities to reflect these changes (See Attachment No. 1):

**Specification IA CS-031 – Concrete** (See Attachment No. 2)

- Modifying Bid Item No. 5 “Reinforced Concrete Pipe” into “5A” for 12-inch diameter and “5B” for 15-inch diameter.
- Adding new Bid Item # 28 “SW-512 Area Intake”.

**Modifications to Plans (See Attachment No. 3):**

- See the revised set of Plans updated on 12-31-2024 (Attachment No. 3).

Sincerely,

Sara Smith, P.E.

Sara Smith, P.E.
Water Resources Bureau

SS
Attachment No. 1 – Updated Document CC
Attachment No. 2 – Updated Specification IA CS-031.
Attachment No. 3 – Updated Plan(s) dated 12-31-2024.

End of Addendum No. 1

| | |
|---|---|
| Time and Date for Bid Submissions: | 3:00 PM, 1/7/2025<br>Wallace State Office Building<br>502 East 9th Street<br>Iowa Department of Agriculture and Land Stewardship<br>Division of Soil Conservation and Water Quality-Water Resources Bureau<br>Des Moines, Iowa 50319-0050 |
| Time and Date of Bid Opening: | 3:10 PM, January 7, 2025 |
| Bid Opening Location: | Wallace State Office Building<br>502 East 9th Street<br>Des Moines, IA 50319-0050 |
| Bid Opening Teleconference: | Call-in number: 1-877-304-9269<br>Access code: 519321 |
| Project Description and Location: | Sto852118B Nutrient Reduction Wetland Project<br>Section 18, Township 85 North, Range 21 West<br>Story County, Iowa |

# PROPOSAL AND SCHEDULE OF PRICES

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 | All Work Except Seeding | November 15, 2025 | $175.00 Per Day |
| | Seeding | December 15, 2025 | $125.00 Per Day |

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 from the date when Notice-of-Award is received, 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.

Further, the parties agree and acknowledge as follows:

- The amount of loss or damages likely to be incurred by Division are uncertain and said loss is incapable or very difficult to quantify and estimate;
- The amount specified for liquidated damages herein bear a reasonable relationship to, and are not plainly or grossly disproportionate to, the probable loss likely to be incurred by Division in connection with any delay on part of the Contractor;

- The amount of liquidated damages fixed herein bears a reasonable relationship to Division's anticipated losses and/or actual losses;
- The amount of liquidated damages herein fairly approximates Division's loss at the time of making of this Agreement;
- The amount of liquidated damages fixed herein are fair and reasonable and it approximates to the extent possible the actual loss to Division as a result of any delay on the part of Contractor; and
- Division and Contractor are sophisticated parties and negotiated this Agreement at arm's length.

Now therefore, in consideration of the mutual obligations set forth herein, the receipt and sufficiency of which is hereby acknowledged, the parties agree as follows:

- Contractor will commence the work after the Preconstruction Conference and by the Construction Start Date approved by Division in the Construction Progress Schedule.
- Contractor will complete the work within the specified time period identified in the contract, or as amended, or be responsible for liquidated damages per day as set forth in the above table.
- The liquidated damages may be withheld from payments made to the Contractor by the Division upon written

  notice that liquidated damages have begun to accrue, and such damages are in addition to other remedies available as provided for in this contract and applicable law.

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)

---

In executing this proposal, Bidder acknowledges receipt of Addendum Number __1__ dated _____

In executing this proposal, Bidder acknowledges receipt of Addendum Number _____ dated _____

In executing this proposal, Bidder acknowledges receipt of Addendum Number _____ dated _____

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# SCHEDULE OF PRICES

**Name of Bidder: _____ Phone: _____**

| Item No. | Work or Material | Spec No. | Unit | Est. Quantity | Unit Price ($) | Total |
|---|---|---|---|---|---|---|
| 1 | SITE STRIPPING & PREPARATION | IA CS-001 | LS | 1 | | |
| 2 | TOPSOILING | IA CS-026 | CY | 1,800 | | |
| 3 | CLEARING AND GRUBBING | IA CS-001 | LS | 1 | | |
| 4 | DRAIN TILE INVESTIGATION AND REMOVAL | IA CS-009 | HR | 24 | | |
| 5a | REINFORCED CONCRETE PIPE (12" DIA., CL II) | IA CS-031 SUDAS 4020 | LF | 24 | | |
| 5b | REINFORCED CONCRETE PIPE (15" DIA., CL III, GASKETED) | IA CS-031 SUDAS 4020 | LF | 81 | | |
| 6 | REINFORCED CONCRETE PIPE APRON | IA CS-031 4030-1.08-B | EA | 1 | | |
| 7 | CORRUGATED METAL PIPE INLET RISER | IA CS-051 | LS | 1 | | |
| 8 | SW-402 (MODIFIED WATER CONTROL STRUCTURE, 48" X 48" | IA CS-031 SUDAS 6010 | EA | 1 | | |
| 9 | *EARTHFILL (DAM CORE) | IA CS-023 | CY | 1,270 | | |
| 10 | *EARTHFILL | IA CS-023 | CY | 3,130 | | |
| 11 | STEEL SHEET PILE | IA CS-013 | SF | 1,086 | | |
| 12 | GEOTEXTILE FABRIC | IA CS-095 | SY | 700 | | |
| 13 | RIPRAP (CLASS E) | IA CS-061 | TN | 500 | | |
| 14 | RIPRAP (CLASS D) | IA CS-061 | TN | 50 | | |
| 15 | GROUT | IA CS-062 | CY | 120 | | |
| 16 | DUAL-WALL PLASTIC PIPE (15" DIA. NON-PERFORATED) | IA CS-046 | LF | 708 | | |
| 17 | SINGLE-WALL PLASTIC PIPE (6" DIA. PERFORATED) | IA CS-046 | LF | 398 | | |
| 18 | CORRUGATED METAL PIPE (18" DIA.) | IA CS-051 | LF | 20 | | |
| 19 | CORRUGATED METAL PIPE (8" DIA.) | IA CS-051 | LF | 40 | | |
| 20 | TILE CONNECTIONS 12" DIA. OR LARGER | IA CS-046 | EA | 2 | | |
| 21 | TILE CONNECTIONS 10" DIA. OR SMALLER | IA CS-046 | EA | 5 | | |
| 22 | DRAINFILL | IA CS-024 | TN | 100 | | |
| 23 | BUFFER SEEDING | IA CS-006 | AC | 3.5 | | |
| 24 | STRUCTURE AND WATERWAY / CHANNEL SEEDING | IA CS-006 | AC | 0.8 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 25 | SILT FENCE INSTALLATION AND REMOVAL | IA CS-005 | LF | 500 | | |
| 26 | CROP DAMAGE | IA CS-001 | AC | | | |
| 27 | MOBILIZATION | IA CS-008 | LS | 1 | | |
| 28 | SW-512 (Area Intake) | IA CS-031 SUDAS 6010 | EA | 1 | | |

*Quantity includes 35% shrink **TOTAL BASE BID** $ _____

# It is your responsibility to double check the math.

**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 and Schedule of Prices 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 _____, 2025

_____

(Signed, Notary)

My Commission Expires _____, 20_____

END OF DOCUMENT CC

# Construction Specification
## 000 IA-31 Concrete

## 1. SCOPE

The work shall consist of furnishing, forming, placing, finishing, and curing Portland cement concrete including steel reinforcement.

## 2. MATERIALS

Portland Cement shall conform to ASTM C 150 and shall be Type I or Type II.

Fine Aggregates shall conform to ASTM C 33 and shall be composed of clean, uncoated grains of material.

Coarse Aggregates shall be gravel or crushed stone conforming to ASTM C 33 and shall be clean, hard, durable and free from clay or coating of any character. The maximum size of coarse aggregate shall be 1 1/2 inches or as shown on the drawings.

Water shall be clean and free from injurious amounts of oil, acid, salt, alkali, organic matter, or other deleterious substances.

Air entraining agent shall conform to ASTM C 260.

Fly ash may be used as a partial substitution for Portland cement and shall be in strict compliance with ASTM C 618, Class F or C. The loss by ignition shall not exceed 4.0 percent.

Blast-furnace slag may be used as a partial substitution for Portland cement and shall be in conformance with ASTM C 989 for ground granulated blast-furnace slag (GGBF slag).

Water-reducing admixtures shall conform to ASTM C 494 and may be the following types:

1. Type A - Water-reducing admixture
2. Type D - Water-reducing and retarding admixture
3. Type F - Water-reducing, high range admixture (superplasticizer).
4. Type G - water-reducing, high range, and retarding admixture (superplasticizer).

Type D or G admixture may be used when the air temperature is over 80 degrees F. at the time of mixing and/or placement.

Calcium Chloride or other antifreeze compounds or accelerators will not be allowed.

Preformed expansion joint filler shall be a commercially available product made of bituminous, sponge rubber or closed cell foam materials with a minimum thickness of 1/2 inch.

Reinforcing steel shall be free from loose rust, oil, grease, paint, or other deleterious matter. Reinforcing steel shall conform to one or more of the following:

1. Reinforcing Bars - ASTM A 615 or A 996, Grade 40 or greater, deformed.
2. Welded Wire Fabric - ASTM A 185 or A 497.

Waterstops shall be either metallic or nonmetallic. Metallic waterstops shall be fabricated from sheets of copper or galvanized steel. Nonmetallic waterstops shall be made of natural or synthetic rubber or vinyl chloride polymer or copolymer. Rubber, polymer and copolymer waterstops shall have ribbed or bulb-type

anchor flanges and a hollow tubular center bulb, unless otherwise shown on the drawings. All waterstops shall be of the sizes shown on the drawings.

Curing compound shall be a liquid membrane-forming compound suitable for spraying on the concrete surface. The curing compound shall meet the requirements of ASTM C 309 Type 2 (white pigmented).

## 3. CONCRETE DESIGN MIX

The contractor will be responsible for the determining the design mix proportions in accordance with the requirements included in this paragraph and shall provide a copy of the mix to the NRCS Engineer at Natural Resources Conservation Service least 3 days prior to placing any concrete. The concrete mix shall be of such proportions as to provide a minimum strength of 3500 p.s.i. in 28 days, unless otherwise shown on the drawings. The air content shall be 4 to 8 percent of the volume of the concrete at the time of placement. The slump shall be 2 to 5 inches except when superplasticizer is used. The slump shall be 3 inches or less prior to the addition of superplasticizer admixture and shall not exceed 7 1/2 inches following addition and mixing. The fine aggregate shall be 30-50 percent of the total combined aggregate based on oven dry weights. The contractor shall provide tests to verify that the design mix meets the requirements. In lieu of this, one of the following mix proportions per cubic yard may be used:

| Mix Number | Minimum Cement, Pounds | Fly Ash, Pounds | GGBF Slag, Pounds | Maximum **Water, Gallons |
|---|---|---|---|---|
| 1 | 564 | 0 | 0 | 33 |
| 2 | 470 | 45-90 | 0 | 31-34 |
| 3 | 517 | 129 | 0 | 31* |
| 4 | 366 | 114 | 91 | 31* |
| 5 | 259 | 103 | 155 | 31* |

** Total of available aggregate moisture, mixing water added at the plant and mixing water added at the job site (one gallon equals 8.33 pounds).
* Requires water reducing admixture.

## 4. MIXTURES AND MIXING

Ready-mixed concrete shall be batched, mixed and transported in accordance with ASTM C 94. Concrete shall be uniform and thoroughly mixed when delivered to the forms. No mixing water in excess of the amount shown for the design mix or in an amount that would cause the maximum slump to be exceeded shall be added to the concrete during mixing, hauling or after arrival at the point of delivery. The concrete shall be batched and mixed so that the temperature of the concrete at the time of placing shall be between 50 and 90 degrees F.

## 5. BATCH TICKET

The contractor shall obtain from the supplier a delivery ticket for each batch of concrete before unloading at the site. The following information shall be included on the ticket: name of concrete supplier, job name or location, date, truck number, amount of concrete, time loaded or time of first mixing cement, aggregate, and mixing water added at the plant, type and amount of cement, type and amount of admixtures, oven dry weights of fine and coarse aggregate, and moisture content(%) or weight of water contained in the aggregates.

The following information shall be added to the batch ticket on site: mixing water added on site, time concrete arrived on site and time concrete was unloaded.

Upon completion of the concrete placement, copies of all batch tickets shall be provided to NRCS.

## 6. REINFORCING STEEL

Before reinforcement is placed, the surfaces of the bars or mesh shall be cleaned to remove any loose, flaky rust, mill scale, oil, grease, or other foreign substances. After placement, the reinforcement shall be maintained in a clean condition until it is completely embedded in the concrete.

Reinforcing bars shall be cut and bent according to ACI Standard 315.

Tack welding of bars shall not be permitted. Reinforcement shall be accurately placed as shown on the drawings and secured in position in a manner that will prevent its displacement during placement of concrete. Metal chairs, metal hangers, metal spacers or concrete chairs shall be used to support reinforcement. Precast concrete chairs shall be manufactured from concrete equal in quality to the concrete being placed. Precast concrete chairs shall be moist at the time concrete is placed

Splices of reinforcing bars shall be made only at the locations shown on the drawings, unless otherwise approved by the NRCS Engineer. All reinforcing splices and placement shall be in accordance with ACI 318 and as shown on the drawings.

After placement of the reinforcement, concrete shall not be placed until the reinforcement has been inspected and approved by NRCS.

## 7. PREPARATION OF FORMS AND SUBGRADE

Prior to placement of concrete, the forms and subgrade shall be free of woodchips, sawdust, debris, water, ice, snow, extraneous oil, mortar, or other harmful substances or coatings. Any oil on the reinforcing steel or other surfaces required to be bonded to the concrete shall be removed. All surfaces shall be firm and damp prior to placing concrete. Placement of concrete on mud, dried earth, uncompacted fill, or frozen subgrade will not be permitted.

The forms and associated false-work shall be substantial and unyielding and shall be constructed so that the finished concrete will conform to the specified dimensions and elevations. Forms will be mortar tight. Forms with torn surfaces, worn edges, dents or other defects will not be used. Forms shall be coated with a nonstaining form release agent before being set into place. Excess form coating material shall not stand in puddles in the forms or come in contact with the steel reinforcement or hardened concrete against which fresh concrete is to be placed.

Form accessories to be partially or wholly embedded in the concrete, such as ties and hangers, shall be of a commercially manufactured type. Non fabricated wire shall not be used. Form ties shall be constructed so that the ends or end fasteners can be removed without causing spalling at the surface of the concrete.

Metal form ties used within the forms on structures with a total volume of concrete exceeding fifteen cubic yards shall be equipped with cones or other devices that permit their removal to a depth of at least one inch without damage to the concrete. The holes resulting from cones and other devices shall be patched in accordance with Section 9.

Form ties except those specifically covered by the preceding paragraph shall be broken off flush with the formed surface. Any surface areas which have been spalled or otherwise damaged shall be repaired in accordance with Section 9.

Steel tying and form construction adjacent to new concrete shall not be started until concrete has cured at least 12 hours.

Concrete joints shall be of the type and at the locations shown on the drawings. Splices in metal waterstops shall be brazed, welded or overlapped and bolted.

Splices in nonmetallic waterstops shall be cemented or joined as recommended by the manufacturer.

## 8. PLACING CONCRETE

Concrete shall not be placed until the subgrade, forms, and steel reinforcement have been inspected and approved by the NRCS Inspector. Any deficiencies are to be corrected before the concrete is delivered for placement.

Concrete shall be delivered to the site and discharged into the forms within 1 1/2 hours after the introduction of the cement to the aggregates. When a superplasticizer is used, the concrete shall be discharged within the manufacturer's recommended time limit for discharge after addition of the admixture. In hot weather or under conditions contributing to quick setup of the concrete, discharge of the concrete shall be accomplished in 45 minutes unless a set-retarding admixture is used, in which case the manufacturer's recommended time limit will apply.

Addition of water at the job site may be done at the beginning of placement of each load of concrete in order to obtain allowable slump, provided that the maximum water content and water/cement ratio in the design mix is not exceeded. Addition of water will not be permitted after placement of the load has started.

The concrete shall be deposited as closely as possible to its final position in the forms and shall be worked into corners and around reinforcement and other embedded items in a manner which prevents segregation. Formed concrete shall be deposited in layers 24 inches or less in depth and shall be continuously deposited so that no concrete will be deposited on concrete which has hardened sufficiently to cause the formation of "cold joints". Concrete containing superplasticizer shall be placed in lifts not exceeding 5 feet in depth. If the surface layer of concrete sets during placement to the degree that it will not flow and merge with the succeeding layer when tamped or vibrated, the contractor shall discontinue placing concrete and install a construction joint. Construction joints shall be completed as shown on the drawings or by one of the following methods:

1. The joint shall be constructed using a 6 inch wide by 1/4 inch steel plate. The surfaces of the construction joint shall be prepared by washing and scrubbing with a wire brush or wire broom to expose coarse aggregate. The steel plate shall be embedded 3" in the concrete.
2. The joint surface shall be cleaned to expose coarse aggregate by sandblasting or air-water cutting after the concrete has gained sufficient strength to prevent displacement of the coarse aggregate or cement fines. The surface of the concrete shall not be cut so deep as to undercut the coarse aggregate. The joint shall be washed to remove all loose material after cutting.

The surfaces of all construction joints shall be kept continuously moist for at least 1 hour prior to placement of the new concrete. The new concrete shall be placed directly on the cleaned and washed surface. New concrete shall not be placed until the hardened concrete has cured at least 12 hours.

Concrete shall not be dropped more than 5 feet vertically unless suitable equipment is used to prevent segregation. Concrete containing superplasticizer shall not be dropped more than 12 feet vertically.

Immediately after the concrete is placed in the forms, it shall be consolidated by vibration, spading or hand tamping as necessary to insure smooth surfaces and dense concrete. Care should be taken not to over-vibrate concrete containing superplasticizer. Vibration shall not be supplied directly to the reinforcing steel, the forms or concrete which has hardened to the degree that it does not insure a monolithic bond with the preceding layer, The use of vibrators to transport concrete in the forms or conveying equipment will not be permitted.

## 9. FORM REMOVAL AND FINISHING

Forms shall be left in place for at least 24 hours after placing concrete. Forms shall be removed in such a way as to prevent damage to the concrete. Supports shall be removed in a manner that will permit concrete to take the stresses due to its own weight uniformly and gradually.

Immediately after removal of the forms, concrete which is honey combed, damaged or otherwise defective shall be repaired or replaced. All cavities or depressions resulting from form tie removal shall be patched with a non-shrink grout, mortar mix or epoxy-type sealer. Non-shrink grout consists of 1 part cement and 2-1/2 parts sand that will pass a No. 16 sieve. Only enough water shall be added to produce a filling which is at the point of becoming rubbery when the material is solidly packed.

All repaired and patched areas shall be cured as required in Section 10.

## 10. CURING

Concrete shall be cured for a period of not less than 7 consecutive days by one of the following approved methods:

1. Membrane Curing: Concrete shall be cured with white pigmented curing compound. The compound shall be sprayed on moist concrete as soon as free water has disappeared, but shall not be applied to any surface until patching, repairs and finishing of that surface are completed. Curing compound shall not be applied to surfaces requiring bond to subsequently placed concrete, such as construction joints, shear plates, reinforcing steel, and other embedded items. Surfaces subjected to heavy rainfall or running water within 3 hours after curing compound has been applied or surfaces damaged by subsequent construction operations during the curing period, shall be reapplied in the same manner as the original application.
2. Moist Curing: Concrete shall be cured by maintaining all surfaces continuously wet for the entire curing period.
3. Cover: Adequately cover an exposed structure with burlap mats, or other material and continually soak with water.

## 11. BACKFILLING

Backfilling may begin when the curing period has ended. Backfill against the structure will be placed in no more than 4-inch layers and compacted by hand tamping or with manually directed power tampers or plate vibrators. Layers compacted in this manner shall extend not less than 2 feet from any part of the concrete structure.

## 12. HOT AND COLD WEATHER CONCRETING

When the atmospheric temperature may be expected to drop below 40° F. at the time concrete is delivered to the work site, during placement, or at any time during curing period, concrete shall be mixed, placed and protected in accordance with ACI Standard 306, “Recommended Practice for Cold Weather Concreting.”

When climatic or other conditions are such that the temperature of the concrete may reasonably be expected to exceed 90° F. at the time of delivery to the work site, during placement or during the first 24 hours after placement, concrete shall be mixed, placed, and protected in accordance with ACI Standard 305, “Recommended Practice for Hot Weather Concreting.”

## 13. SPECIFIC SITE REQUIREMENTS

A. Measurement and Payment

Compensation for any work item described in the contract documents but not listed in the bid schedule will be included in the payment for the item of work to which it is made subsidiary. Such items and bid items to which they are made subsidiary are identified in Items of Work and Construction Details section of this specification.

For items of work which lump sum prices are established in the contract, the quantity of work will not be measured for payment. Payment for each item will be made at the contract lump sum price and will constitute full compensation for completion of the work.

For items of work for which specific unit prices are established in the contract, the payment will be made based on the approved quantity measured by the engineer or weight tickets. Payment will constitute full compensation of the work completed as defined by each work item.

B. Items of Work and Construction Details

This item shall consist of all necessary concrete, reinforcing steel, formwork, materials, and labor to place poured concrete and reinforced concrete as shown in the drawings including, but not limited to, the concrete collars around pipe connections.

Items of work to be performed in conformance with this specification and the construction details therefore are:

**"Reinforced Concrete Pipe (12" Dia.)"**

1. Bid Item No. 5a

The work shall consist of installing RCP that meets SUDAS Division 4, Section 4020 and as noted in the drawings. Measurement and payment shall be on a per LF basis and follow SUDAS 4020-1.08-A. This item includes all parts including elbows, gasketing, excavation, cradling rock, connection to existing tile, and backfilling that may be necessary.

**"Reinforced Concrete Pipe (15" Dia. Gasketed)"**

2. Bid Item No. 5b

The work shall consist of installing gasketed R.C.P. drainage tile that meets SUDAS Division 4, Section 4020 and as noted in the drawings. Use gaskets that comply with ASTM C 443.

Measurement and payment shall be on a per LF basis and follow SUDAS 4020-1.08-A. This item includes all parts including elbows, gasketing, excavation, cradling rock, and backfilling that may be necessary.

**"Reinforced Concrete Pipe Apron (15" Dia.)"**

3. Bid Item No. 6

The work shall consist of installing the necessary concrete pipe apron structure that meets SUDAS Division 4, Section 4030 and as noted in the drawings.

Measurement and payment shall be on a per-unit basis and follow SUDAS 4030-1.08-B. This shall include all necessary fittings and adapters, site preparation, excavation, sub-base preparation, cradling rock, removal of water, watertight connections, erosion controls, animal guards, and all necessary work to construct and install the special structures shown in the drawings.

**“SW-402 (Modified Water Control Structure 48” X 48”)”**

4. Bid Item No. 8

The work shall consist of constructing the necessary storm sewer manhole concrete structure that meets SUDAS Division 6, Section 6010 and as noted in the drawings.

In general, the special concrete structures shall meet the requirements of SUDAS 6010, unless otherwise stated in the drawings. The concrete structure may be constructed of cast-in-place concrete that meets Specifications IA CS-031 or Iowa DOT Specifications 2403, or precast as in SUDAS 6010-2.02.

The excavation for and subsequent installation of the concrete structure shall be as shown in the drawings. The excavation for the structure shall be done to the dimensions, depths, cross sections, and grade shown on the drawings or as directed by the engineer.

The Contractor shall provide detailed shop drawings of the water control structure and all appurtenances. Stoplogs, stoplog removal tool, stoplog storage, storage cover, stoplog channel modifications are all incidental to this bid item.

Measurement and payment shall be on a per-unit basis and follow SUDAS 6010-1.08-A. It shall include all necessary fittings and adapters, site preparation, excavation, sub-base preparation, cradling rock, removal of water, watertight connections, erosion controls, animal guards, backfilling, and all necessary work to construct and install the special structures shown in the drawings.

Payment will also include all subsidiary items required for installation such as structure excavation, earthfill, site preparation, removal of water, concrete collar at joint, animal guard, erosion controls and all necessary appurtenances as shown in the drawings.

**“SW-512 AREA INTAKE”**

5. Bid Item No. 28

The work shall consist of constructing the necessary storm sewer intake concrete structure that meets SUDAS Division 6, Section 6010 and as noted in the drawings.

**EG CONTOURS = 1'**
**FG CONTOURS = 0.5'**

Attachment 3

HENDERSON, CAROL L & ETHELLE
SW NW
18-85-21

MAIN EMBANKMENT
WEST TOE DRAIN
STILLING BASIN
WEST WING DIKE
SW-512 INTAKE; RCP CONNECTION TO EXISTING TILE
OUTFLOW CHANNEL
SHEET PILE WEIR
WETLAND WILL DISCHARGE NATURALLY OVERLAND TO MIDDLE MINERVA CREEK
CEMENTED RIPRAP
EAST WING DIKE
DRAWDOWN PIPE
WATER CONTROL STRUCTURE
EAST TOE DRAIN
AUXILIARY SPILLWAY
WAVE BERM
WEST BORROW AREA
DEEP WATER
DRAWDOWN INLET
SUBMERGED BERM A
SUBMERGED BERM B
SUBMERGED BERM C
EAST BORROW AREA
100 YEAR FLOOD
NORMAL WATER
SEDIMENT FOREBAY
60' x 30' x APPROX. 2.5' DEEP
DIVERSION TILE
15" DIA. OUT. EL. = 1092.61
PROTECTIVE BERM
SEARCH FOR TILE
REMOVE ALL EXISTING TILE
1085
1090
1095
1100
1105

| DESIGN CRITERIA | VALUE | UNIT | REQUIREMENT |
|---|---|---|---|
| WATERSHED AREA | 182.00 | ACRES | |
| POOL NORMAL WATER LEVEL (NWL) ELEV | 1091.50 | FT | |
| DESIGNED WETLAND POOL AREA (@ NWL) | 2.0 | ACRES | |
| PERCENT POOL AREA TO WATERSHED AREA | 1.1 | % | Range 0.5% to 2% of watershed area |
| MAXIMUM POOL DEPTH | 4.5 | FT | |
| AVERAGE POOL DEPTH | 1.66 | FT | |
| DEEP WATER AREA (DEPTH > 3 FT) | 0.3 | ACRES | |
| PERCENT DEEP WATER TO POOL AREA | 14.8 | % | Less than 25% |
| POOL STORAGE VOLUME AT NWL | 3.4 | ACRE-FT | |
| BERM ELEVATION | 1094.50 | FT | Constructed Berm |
| POOL STORAGE VOLUME AT TOP OF DIKE | 11.06 | ACRE-FT | |
| PRIMARY WEIR ELEVATION | 1091.50 | FT | |
| PRIMARY WEIR WIDTH | 44 | FT | |
| AUXILIARY SPILLWAY ELEVATION | 1093.25 | FT | |
| AUXILIARY SPILLWAY WIDTH | 20 | FT | |
| AREA OF BUFFER | 3.5 | ACRES | |
| RATIO BUFFER AREA TO NWL POOL AREA | 1.7 | | Less than 4 |
| SEDIMENT STORAGE | 0.15 | ACRE-FT | |
| 25-YEAR STORM HWL IN POOL | 1092.98 | FT | |
| 25-YEAR PEAK INFLOW | 263.49 | CFS | |
| 25-YEAR PEAK OUTFLOW | 257.74 | CFS | |
| 100-YEAR STORM HWL IN POOL | 1093.38 | FT | |
| 100-YEAR PEAK INFLOW | 374.72 | CFS | |
| 100-YEAR PEAK OUTFLOW | 367.7 | CFS | |

| WETLAND POOL DEPTH (FT) | ELEV (FT) | INCREMENTAL AREA ($FT^2$) | CUMULATIVE VOLUME ($FT^3$) | CUMULATIVE VOLUME (AC-FT) |
|---|---|---|---|---|
| 0.0 | 1087.0 | 1,557 | | 0.00 |
| 0.5 | 1087.5 | 3,142 | 1,175 | 0.03 |
| 1.0 | 1088.0 | 5,544 | 3,346 | 0.08 |
| 1.5 | 1088.5 | 8,962 | 6,973 | 0.16 |
| 2.0 | 1089.0 | 13,841 | 12,674 | 0.29 |
| 2.5 | 1089.5 | 22,509 | 21,761 | 0.50 |
| 3.0 | 1090.0 | 30,382 | 34,984 | 0.80 |
| 3.5 | 1090.5 | 78,967 | 62,321 | 1.43 |
| 4.0 | 1091.0 | 84,543 | 103,199 | 2.37 |
| 4.5 | 1091.5 | 88,548 | 146,471 | 3.36 |
| 5.0 | 1092.0 | 95,610 | 192,511 | 4.42 |
| 5.5 | 1092.5 | 101,670 | 241,831 | 5.55 |
| 6.0 | 1093.0 | 109,601 | 294,649 | 6.76 |
| 6.5 | 1093.5 | 119,482 | 351,919 | 8.08 |
| 7.0 | 1094.0 | 129,294 | 414,113 | 9.51 |
| 7.5 | 1094.5 | 140,541 | 481,572 | 11.06 |

HENDERSON, CARROL L & ETHELLE
SE NW
18-85-21

| HENDERSON CONTROL POINTS | | | |
|---|---|---|---|
| NORTHING | EASTING | ELEVATION | DESCRIPTION |
| 3526321.302 | 4967627.616 | 1130.576 | 1/4" RBR |
| 3526321.527 | 4967594.749 | 1130.641 | 1/4" RBR OPC 13286 |
| 3523694.811 | 4964981.95 | 1068.047 | RR SPIKE |
| 3527662.523 | 4962787.152 | 1095.191 | 3/4" RBR ALUM CAP |
| 3527662.552 | 4962754.213 | 1093.767 | WITNESS CORNER OPC 15745 GALLENTINE |

REMOVE ALL EXISTING TILE BENEATH THE POOL AND EMBANKMENT

ANY TILE FOUND IN THE SEARCH AREAS ARE TO BE OUTLET TO THE WETLAND AT A MINIMUM ELEVATION OF 1092.5' ADDITIONAL PAYMENT TO RELAY TILE TO THE POOL WILL BE NEGOTIATED AS NEEDED



HORZ. SCALE 0 30 60 FEET

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DRAWN TJB
CHECKED JPR
CLIENT PROJ. NO. 0T7.131410

| REV | DESCRIPTION | DATE |
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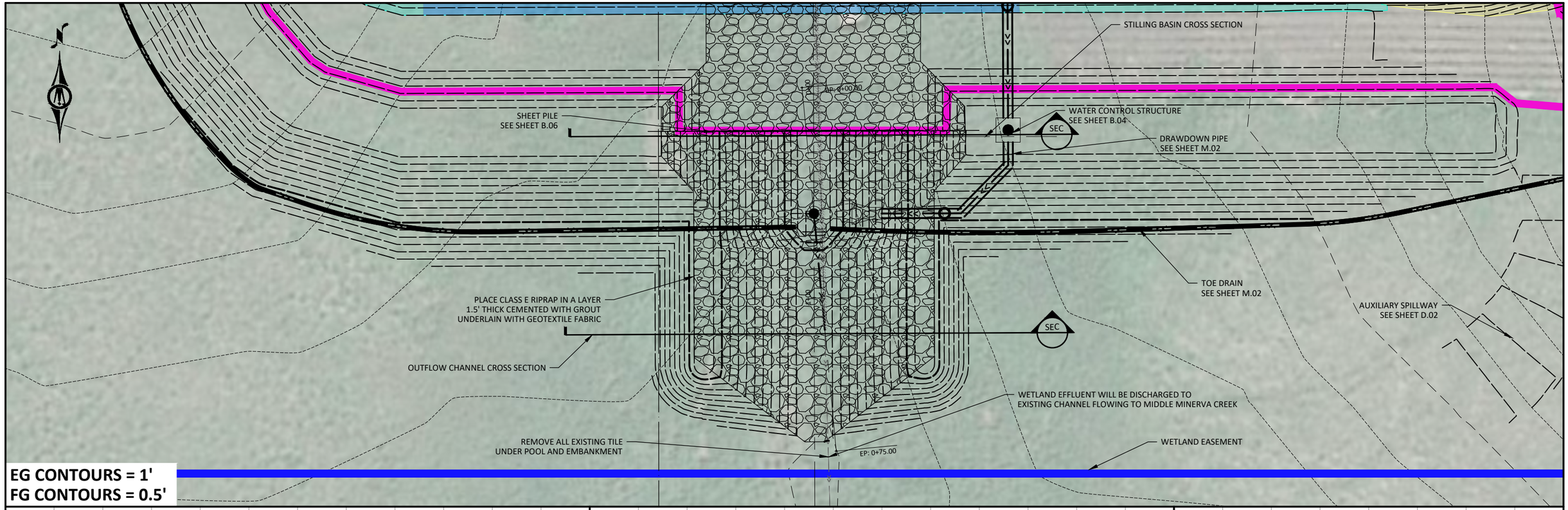
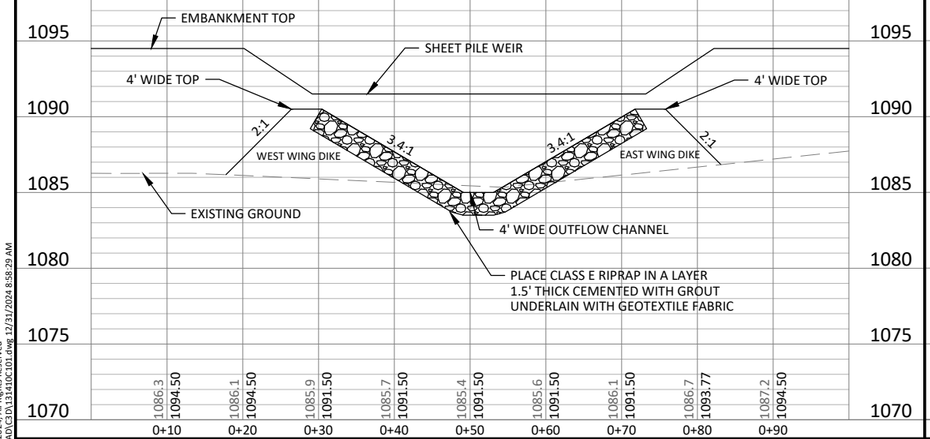
IDALS WATER RESOUCES BUREAU
HENDERSON - PROJECT NO. STO852118B
POND OVERVIEW

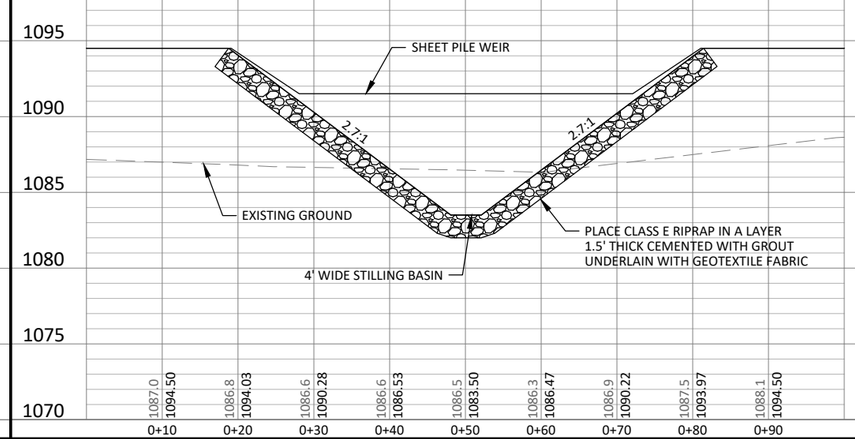
SHEET A.04



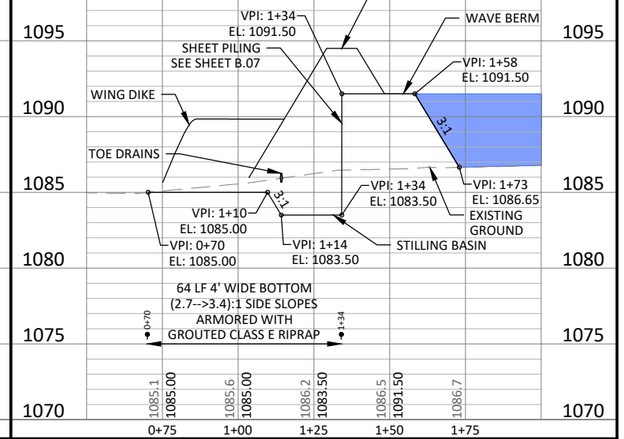

## OUTFLOW CHANNEL CROSS SECTION




## STILLING BASIN CROSS SECTION




## PRIMARY SPILLWAY PROFILE




HORZ. SCALE 0 10 20 FEET
VERT. SCALE 0 5 10 FEET
HORZ. SCALE 0 25 50 FEET

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IDALS WATER RESOUCES BUREAU
HENDERSON - PROJECT NO. STO852118B
STILLING BASIN DETAIL

SHEET B.05


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## QUANTITY ESTIMATE - HENDERSON

**PROJECT:** STO852118B

**CREP:** **WQI:** x

| BID ITEM | SUB-ITEM | DESCRIPTION | SPECIFICATIONS | PAGE | PLAN SHEETS | ESTIMATED QUANTITIES | UNITS |
|---|---|---|---|---|---|---|---|
| 1 | - | SITE STRIPPING & PREPARATION | IA CS-001 | 3-4 | A.01, A.03, A.04 | 1 | LS |
| 2 | - | TOPSOILING | IA CS-026 | 33-34 | A.02, D.01-D.04, M.01 | 1800 | CY |
| 3 | - | CLEARING AND GRUBBING | IA CS-001 | 3-4 | A.02 | 1 | LS |
| 4 | - | DRAIN TILE INVESTIGATION AND REMOVAL | IA CS-009 | 15-18 | A.04, B.05 | 24 | HR |
| 5 | - | REINFORCED CONCRETE PIPE | | | | | |
| | A. | 12" DIAMETER, CL II | IA CS-031 SUDAS 4020 | 35-41 | B.01, M.03 | 24 | LF |
| | B. | 15" DIAMETER, CL III, GASKETED | IA CS-031 SUDAS 4020 | 35-41 | B.01, M.02 | 81 | LF |
| 6 | - | REINFORCED CONCRETE PIPE APRON (15" DIA.) | IA CS-031 4030-1.08-B | 35-41 | B.01, M.02 | 1 | EA |
| 7 | - | CORRUGATED METAL PIPE INLET RISER (24" DIA.) | IA CS-051 | 46-50 | B.03, M.02 | 1 | LS |
| 8 | - | SW-402 (MODIFIED WATER CONTROL STRUCTURE, 48" X 48") | IA CS-031 SUDAS 6010 | 35-41 | B.04, M.02 | 1 | EA |
| 9 | - | *EARTHFILL (DAM CORE) | IA CS-023 | 26-29 | A.04, D.01 | 1270 | CY |
| 10 | - | *EARTHFILL | IA CS-023 | 26-29 | A.04, D.01-D.04 | 3130 | CY |
| 11 | - | STEEL SHEET PILE | IA CS-013 | 21-22 | B.06 | 1086 | SF |
| 12 | - | GEOTEXTILE FABRIC | IA CS-095 | 56-59 | B.05 | 700 | SY |
| 13 | - | RIPRAP (CLASS E) | IA CS-061 | 51-52 | B.05 | 500 | TN |
| 14 | - | RIPRAP (CLASS D) | IA CS-061 | 51-52 | A.04 | 50 | TN |
| 15 | - | GROUT | IA CS-062 | 53-55 | B.05 | 120 | CY |
| 16 | - | DUAL-WALL PLASTIC PIPE (15" DIA. NON-PERFORATED) | IA CS-046 | 42-45 | A.04, M.01 | 708 | LF |
| 17 | - | SINGLE-WALL PLASTIC PIPE (6" DIA. PERFORATED) | IA CS-046 | 42-45 | A.04, M.02 | 398 | LF |
| 18 | - | CORRUGATED METAL PIPE (18" DIA.) | IA CS-051 | 46-50 | M.01 | 20 | LF |
| 19 | - | CORRUGATED METAL PIPE (8" DIA.) | IA CS-051 | 46-50 | M.02 | 40 | LF |
| 20 | - | TILE CONNECTIONS 12" DIA. OR LARGER | IA CS-046 | 42-45 | M.01 | 2 | EA |
| 21 | - | TILE CONNECTIONS 10" DIA. OR SMALLER | IA CS-046 | 42-45 | M.01 | 5 | EA |
| 22 | - | DRAINFILL | IA CS-024 | 30-32 | B.02, M.02 | 100 | TN |
| 23 | - | BUFFER SEEDING | IA CS-006 | 8-11 | B.07 | 3.5 | AC |
| 24 | - | STRUCTURE AND WATERWAY/CHANNEL SEEDING | IA CS-006 | 8-11 | B.07 | 0.8 | AC |
| 25 | - | SILT FENCE INSTALLATION AND REMOVAL | IA CS-005 | 5-7 | | 500 | LF |
| 26 | - | CROP DAMAGE | IA CS-001 | 3-4 | | | AC |
| 27 | - | MOBILIZATION | IA CS-008 | 12-14 | | 1 | LS |
| 28 | - | SW-512 (AREA INTAKE) | IA CS-031 SUDAS 6010 | 35-41 | M.03 | 1 | EA |

* QUANTITY INCLUDES 35% SHRINK

| ESTIMATE REFERENCE INFORMATION | |
|---|---|
| ITEM NO. | DESCRIPTION |
| 1 | SITE STRIPPING & PREPARATION |
| | |
| 2 | TOPSOILING |
| | STOCKPILE WITHIN THE EASEMENT USING SILT FENCING TO PREVENT EROSION IF NECESSARY. |
| 3 | CLEARING AND GRUBBING |
| | |
| 4 | DRAIN TILE INVESTIGATION AND REMOVAL |
| | MATERIAL COSTS FOR ITEMS NEEDED TO MAKE REPAIRS WILL BE NEGOTIATED AS EXTRA WORK. |
| 5 | REINFORCED CONCRETE PIPE |
| | SEE SHEET B.01 FOR INSTALLATION AND FIELD TILE CONNECTION DETAILS. |
| 6 | REINFORCED CONCRETE PIPE APRON (15" DIA.) |
| | INSTALL FLUSH WITH THE BANK OF THE STILLING BASIN AND ENCASE WITHIN THE RIPRAP AND GROUT. |
| 7 | CORRUGATED METAL PIPE INLET RISER (24" DIA.) |
| | SEE SHEET B.03 FOR DETAILS. INCLUDES APPROXIMATELY 7 TONS OF CLASS D RIPRAP. |
| 8 | SW-402 (MODIFIED WATER CONTROL STRUCTURE, 48" X 48") |
| | SEE SHEET B.04 FOR DETAILS. |
| 9 | *EARTHFILL (DAM CORE) |
| | |
| 10 | *EARTHFILL |
| | ALL EARTHFILL EXCEPT FOR THE DAM CORE. |
| 11 | STEEL SHEET PILE |
| | SEE SHEET B.06 FOR DETAILS. |
| 12 | GEOTEXTILE FABRIC |
| | SEE SHEET B.05 FOR DETAILS. |
| 13 | RIPRAP (CLASS E) |
| | SEE SHEET B.05 FOR DETAILS. |
| 14 | RIPRAP (CLASS D) |
| | TO BE USED IF NECESSARY IN THE DOWNSTREAM CHANNEL OR FOR EROSION PROTECTION UNDERNEATH TILE OUTLETS. |
| 15 | GROUT |
| | |
| 16 | DUAL-WALL PLASTIC PIPE (15" DIA. NON-PERFORATED) |
| | SEE SHEET B.02 FOR INSTALLATION DETAILS AND SHEET B.01 FOR FIELD TILE CONNECTION DETAILS. |
| 17 | SINGLE-WALL PLASTIC PIPE (6" DIA. PERFORATED) |
| | SEE SHEET B.02 FOR INSTALLATION DETAILS. |
| 18 | CORRUGATED METAL PIPE (18" DIA.) |
| | |
| 19 | CORRUGATED METAL PIPE (8" DIA.) |
| | INSTALL FLUSH WITH THE BANKS OF THE STILLING BASIN AND ENCASE WITHIN THE RIPRAP AND GROUT. |
| 20 | TILE CONNECTIONS 12" DIA. OR LARGER |
| | INCLUDES THE MAIN TILE DIVERSION CONNECTION. |
| 21 | TILE CONNECTIONS 10" DIA. OR SMALLER |
| | SEE SHEET B.01 FOR DETAILS. |
| 22 | DRAINFILL |
| | SEE SHEET B.02 FOR DETAILS. |
| 23 | BUFFER SEEDING |
| | SEE SHEET B.07 FOR DETAILS. |
| 24 | STRUCTURE AND WATERWAY/CHANNEL SEEDING |
| | SEE SHEET B.07 FOR DETAILS. |
| 25 | SILT FENCE INSTALLATION AND REMOVAL |
| | TO BE PLACED IF NEEDED. |
| 26 | CROP DAMAGE |
| | |
| 27 | MOBILIZATION |
| | |



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| REV | DESCRIPTION | DATE |
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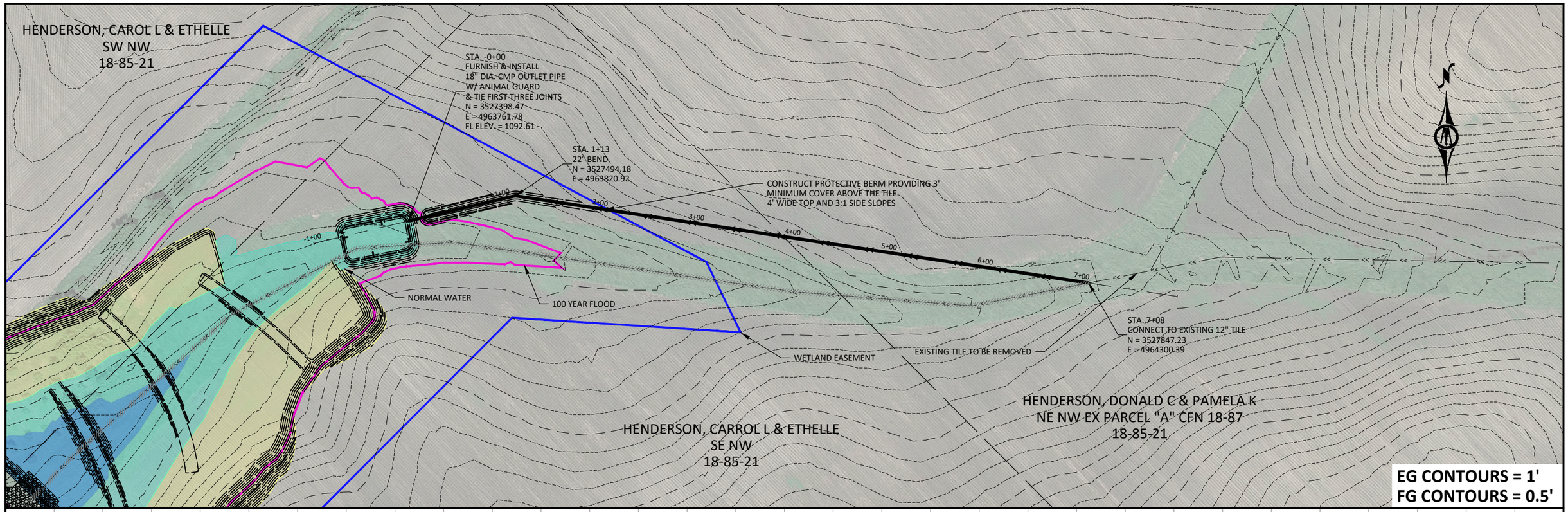
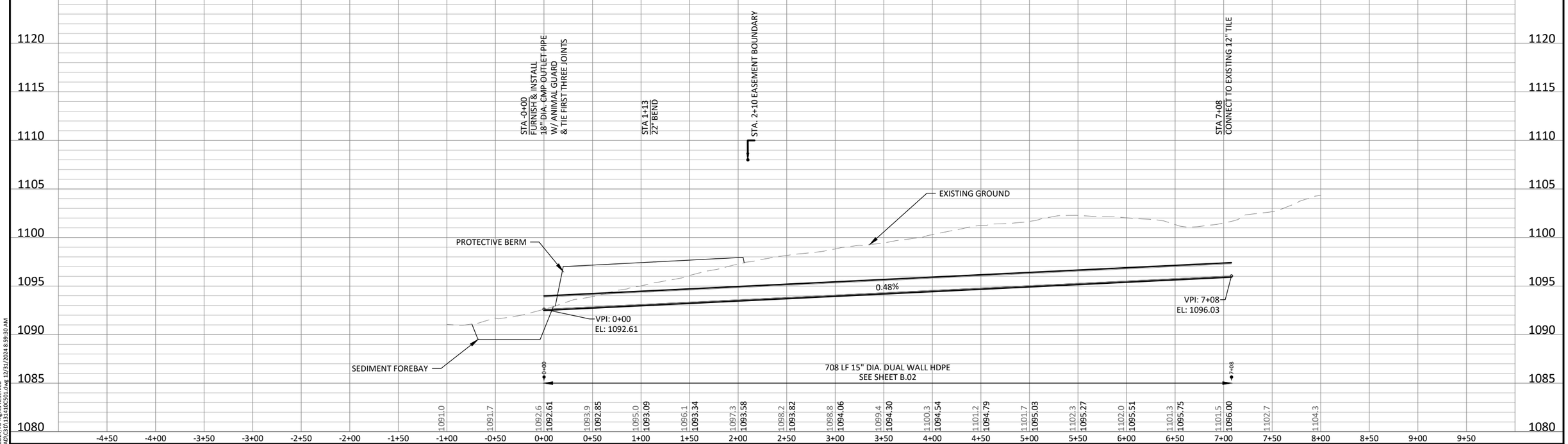
IDALS WATER RESOUCES BUREAU
HENDERSON - PROJECT NO. STO852118B
ESTIMATED QUANTITIES & REFERENCE NOTES

SHEET C.01






HORZ. 0 50 100 SCALE FEET
VERT. 0 5 10 SCALE FEET

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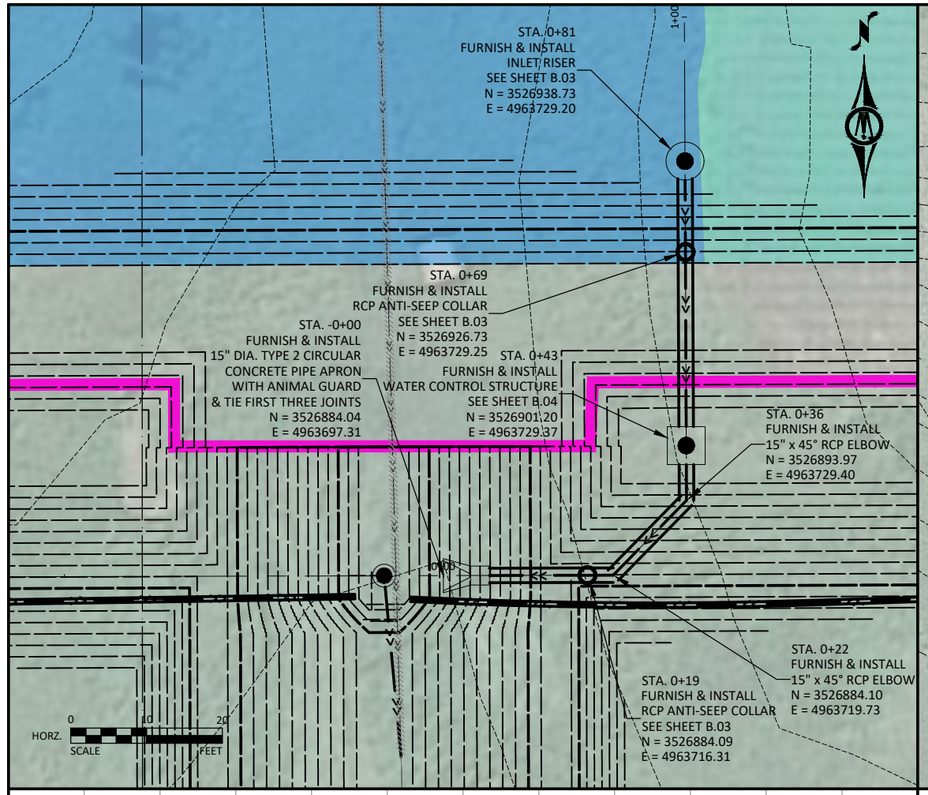
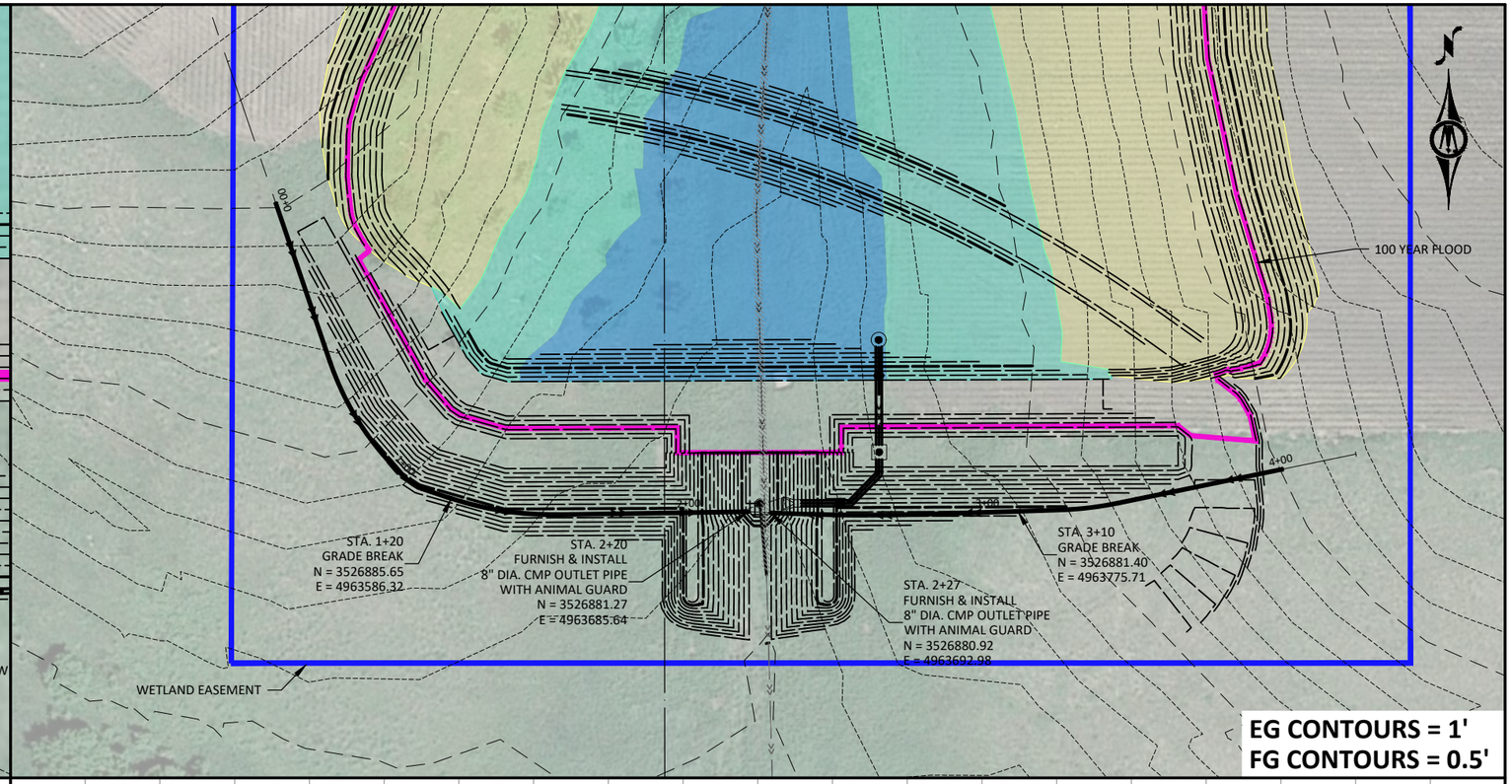
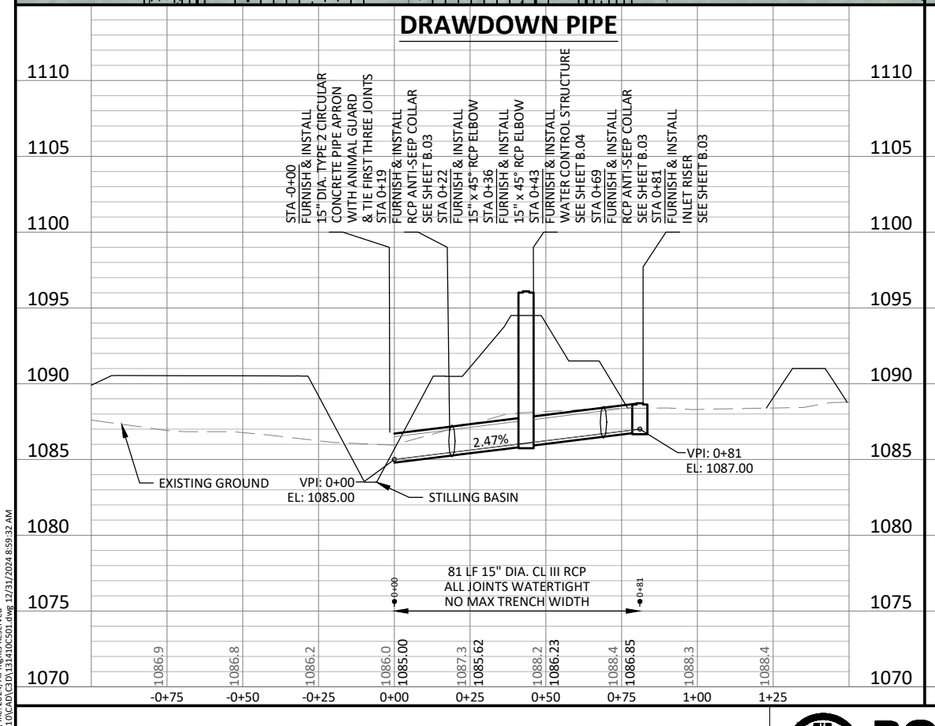
IDALS WATER RESOUCES BUREAU
HENDERSON - PROJECT NO. STO852118B
PLAN & PROFILE - TILE DIVERSION

SHEET
M.01

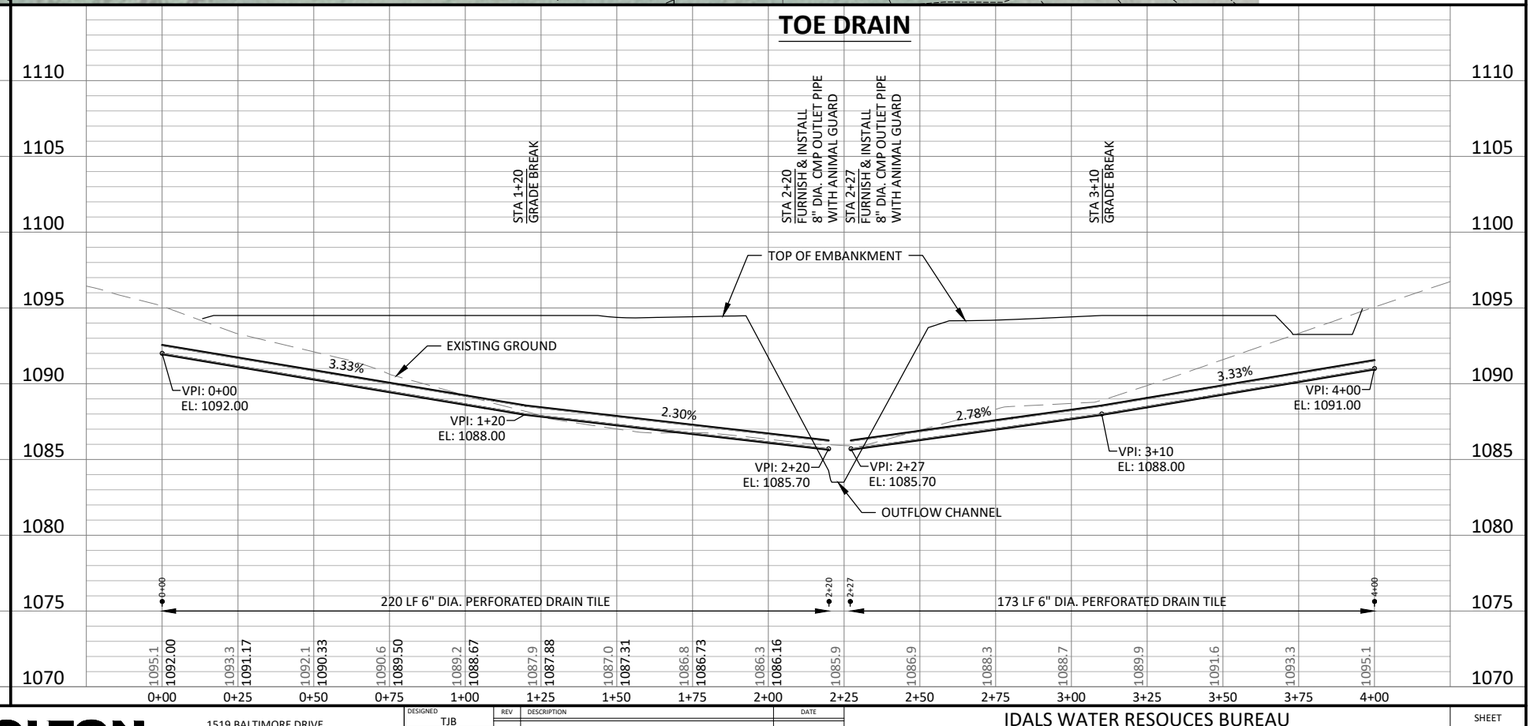



## DRAWDOWN PIPE




## TOE DRAIN



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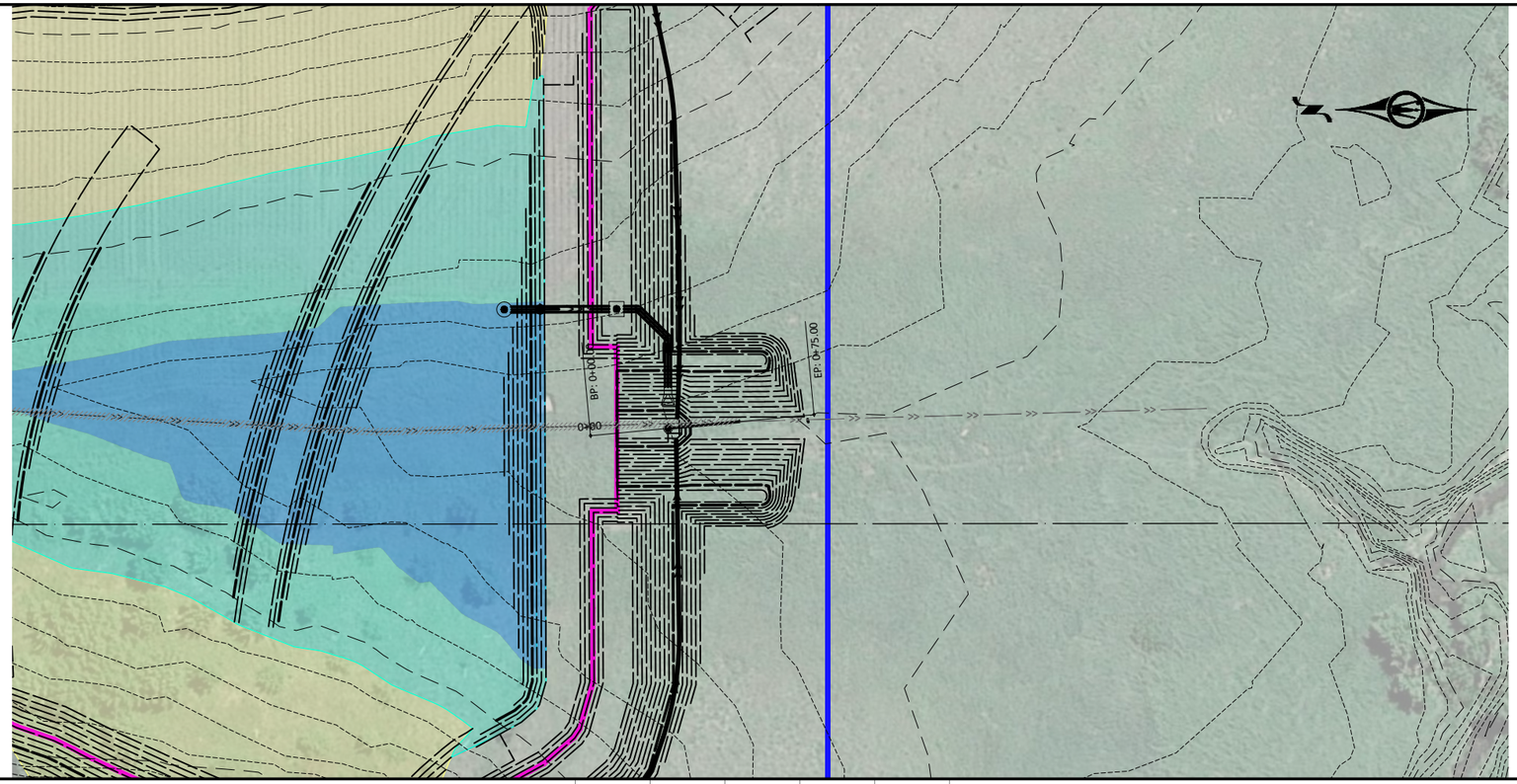
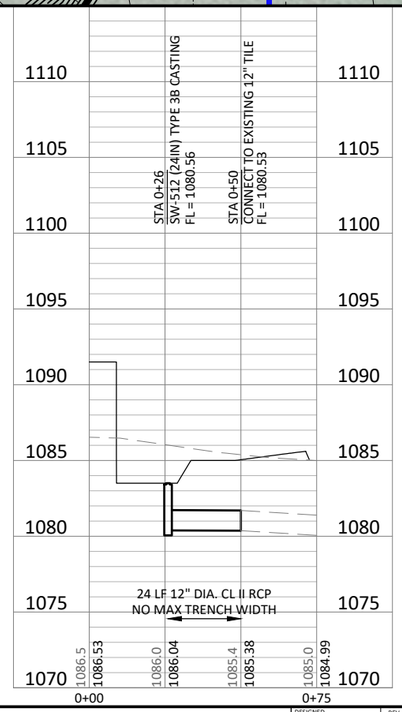
IDALS WATER RESOUCES BUREAU
HENDERSON - PROJECT NO. STO852118B
PLAN & PROFILE - DRAWDOWN PIPE & TOE DRAIN

SHEET
M.02




**EG CONTOURS = 1'**
**FG CONTOURS = 0.5'**




HORZ. 0 25 50 SCALE FEET

VERT: 0 5 10 SCALE FEET

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| DRAWN TJB | | | |
| CHECKED JPR | | | |
| CLIENT PROJ. NO. 0T7.131410 | | | |

IDALS WATER RESOUCES BUREAU
HENDERSON - PROJECT NO. STO852118B
PLAN & PROFILE - OUTLET TO TILE

SHEET M.03

STORY COUNTY WETLAND PROJECT
STO852118B - BID NO. 24-07
PREBID MEETING, Zearing Public Library, 101 E main St, Zearing, IA 50278
December 11, 2024 - 10:00 AM

**Introduction:**

Tracy Bruun, Division of Soil Conservation and Water Quality (Division) opened the meeting and introduced:

- Sara Smith, Engineer with Division
- Brandon Short, Bolton & Menk, Inc.
- Others: Carrol Henderson, Landowner via TEAMS; see sign-in sheet

This wetland project is part of the Water Quality Initiative that is being used to help implement the Iowa Nutrient Reduction Strategy.

This is the only site currently out for bid; however, there are three projects ready to be bid in Calhoun, Kossuth and Wright counties.

**Bidder's Qualifications*:***

All Bidders shall meet the following qualifications:

1. Contractors are required to be registered with the Iowa Division of Labor.

2. Bidders shall, upon request of the Division, submit a statement of Bidder's qualifications including experience, any contracts that are in default, available 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 27, noting #26 for crop damages is just a place holder and should not be filled in with a dollar amount for bid purposes. A separate Document CC was provided with the bid package that is to be used for submitting the bid.

Any questions that should be considered as part of an addendum must be submitted to us by December 19, 2024. The Division will make every attempt to issue any necessary addenda no later than the day after the last date for questions. 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 by the Division after the contract execution which is not covered by a bid price set forth in the Proposal and Schedule of Prices (*Document CC*), a Change Order or Contract Amendment will be issued as required. If the additional work requires an extension of the contract completion date(s), a Contract Amendment will be issued.

**Submission of Bids and Bid Security:**

Bids should be submitted in two sealed envelopes. One 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 envelope attached (taped) to the front of the envelope containing the bid shall contain the Bid Security or bid bond, which is in the amount of ten percent (10%) of the base bid. It should be noted that the

bid number, Bid 24-07, 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 no later than 3:00 PM at the Wallace State Office Building, 502 E. 9th Street, Des Moines, Iowa, Division of Soil Conservation and Water Quality on Tuesday, January 7, 2025. Bids must be dated and time stamped by a representative of the Division. Bids received after this time will be rejected and returned unopened to the Bidder. Bids for 24-07 will be opened beginning at 3:10 PM on that same day in Conference Room 2N (Large) of the Wallace State Office Building.

Bids may be mailed or hand delivered. Visitors are allowed into the Wallace Building, and should contact Tracy Bruun, (515) 344-6279 to be met in the lobby. We ask that you seal envelopes with tape instead of wetting the seal with saliva. If you are mailing a bid, be aware that it can take 2 days for next day deliveries.

**Evaluation of bids and award of Construction Contract:**

This Story County Nutrient Reduction Wetland Project shall be awarded to the lowest responsible responsive bidder as determined by the Division. In evaluating the bids, the Division may consider such factors as alternates, bid price, experience, contracts in default, 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 this Story County Nutrient Reduction 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 this Story County Nutrient Reduction Wetland Project is awarded shall be required to:
   - ✓ execute the Contract;
   - ✓ obtain the appropriate insurance coverage and Performance/Payment Bond;
   - ✓ provide their Iowa Division of Labor Public Registration Number;
   - ✓ and submit the Construction Progress Schedule (Document JJ) 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.

3. The Notice-to-Proceed shall be issued within five (5) days of the execution of the Contract by the Division, provided that the Construction Progress Schedule has been accepted by the Division. Should there be additional time required to make adjustments to the Construction Progress Schedule, the time to issue the Notice-to-Proceed may be extended to allow for this. 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.

**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 construction contract documents. This should be considered when determining the unit prices submitted in the bid.

**Measurement and Payment:**

The specifications describing the work to be accomplished under each particular work item, also describe the method to be used in measuring and calculating the payment quantities for each work item set forth in the proposal. Payments will be made on the basis of monthly estimates in amounts equal to ninety-five percent (95%) of the value of work completed. Mobilization will be paid at a percentage of the lump sum bid amount for this item equal to the overall percent complete of the project (less retainage). 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:**

The final date for completion of all work except for seeding is set for November 15, 2025. The final date for completion of seeding is December 15, 2025

**Liquidated Damages:**

There are liquidated damages provisions on this project. These damages reflect additional administrative, design, and inspection costs, as well as continued costs to the natural environment. If *all work except for seeding* is not completed by November 15, 2025 absent a No-Fault Extension, the Contactor may be assessed damages in the amount of $175 per day. If the *seeding* is not subsequently completed by December 15, 2025 absent a No-Fault Extension, the Contractor may be assessed damages in the amount of $125 per day.

**Questions and Addenda:**

Questions concerning interpretation or intent of the Plans and Construction Specifications should be directed to Jon Rosengren: jon.rosengren@bolton-menk.com with Bolton & Menk, Inc. and must copy Tracy Bruun: tracy.bruun@iowaagriculture.gov with the Division. All other questions concerning the Contract Documents should be addressed to Tracy Bruun, Division: 515 344-6279 or tracy.bruun@iowaagriculture.gov.

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 3:00 PM December, 19 2024.

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 plan holders. Bidders are required to acknowledge receipt of any addenda by listing such addenda in the *Proposal and Schedule of Prices (Document CC).*

**Engineering notes:**

1. Bolton & Menk (B&M), the engineer consultant for the project, explained:
    a. This project proposes a constructed wetland for nutrient reduction.
    b. The Water Control Structure, Bid Item #8, will be a SUDAS SW-402 modified concrete structure, with aluminum channels for the stoplogs. The stoplog storage structure is subsidiary.
    c. There is a note on Plan D.01 that the embankment top shall be overbuilt 0.35' higher than shown, to allow for settlement. The overbuild is not included in the bid quantity. A 35% shrinkage factor is included as stated in the specs.
    d. The compaction method for the embankment core is Method 2. The compaction method for the remainder of the embankment and the diversion berms is Method 1, as explained in the Specifications IA CS-023.

2. There will be a sign to be installed and is subsidiary to Bid Item #27 "Mobilization". This bid item is included in Specification CS-008. The installation of the sign is subsidiary to Bid item #27. The sign will be provided by IDALS.

3. An intake within the stilling basin and connection to the existing tile will be added. This will be an SW-512 area intake structure and 24 LF of 12" RCP.

4. After the Pre-Bid meeting, interested contractors, IDALS and B&M staff visited the site:
    a. Construction access was noted during the visit, and the property boundaries.
    b. The easement boundaries and construction limits will be marked.
    c. A representative for the landowner attended the site visit. There will also be tile installation outside the easement, as shown on the plans.

**Questions received:**

Question: Clarify that the Topsoil Stripping/Stockpile/Respread falls under Bid Item #2? The way the bids are written makes me believe the stripping falls under Bid item #1.

Answer: Bid Item #2 includes top-soil stripping, stockpile and respread. Bid Item #1 is for site stripping, vegetation removal, etc. Please see Specifications IA CS-001 and IA CS-026.

Question: Will PVC Stoplogs be allowed in lieu of the Aluminum Stoplogs?

Answer: The design of the Water Control Structure requires Aluminum stoplogs only.

# Pre-Bid Meeting Sign-in Sheet

**Bid No.: 24-07** **December 11, 2024 at the Zearing Public Library**

**Project ID: Sto852118B Nutrient Reduction Wetland**

| | Name | Company/Affiliation | Address | Email | Phone |
|---|---|---|---|---|---|
| 1 | Tracy Bruun | Division | 502 E. 9th St., Des Moines IA 50309 | tracy.bruun@iowaagriculture.gov | 515-344-6279 |
| 2 | Sara Smith | Division | 502 E. 9th St., Des Moines IA 50309 | sara.smith@iowaagriculture.gov | 515-422-7335 |
| 3 | Don Davidson | IDDA WFS | 18711 250th ST, Grundy Center | davidson@gcmuni.net | 319-239-6714 |
| 4 | Dan Hatch | Hatch Grading | 801 Hwy 21, Dysart | hgc@fctc.coop | 319-476-2626 |
| 5 | Josh Peterson | Peterson Contractors | 104 Blackhawk ST, Reinbeck | joshua@pcius.com | 319-989-1122 |
| 6 | Aly Recker | Laser Precision LLC | 5415 19th Ave., Auburn | Guynnllc@hotmzil.com | 319-560-4419 |
| 7 | Anabelle Hernandez | Laser Precision LLC | 5415 19th Ave., Auburn | Guynnllc@hotmzil.com | 319-560-4419 |
| 8 | Don Henderson | Adjacent Landowner | 68330 120th St, Zearing | don@myeyeoniowa.com | 515.460.1653 |
| 9 | Brandon Short | Bolton & Menk | 1519 Balitimore DR Ames | brandon.short@bolton-menk.com | 515-509-9296 |
| 10 | Carrol Henderson | Landowner via TEAMS | | Carrolhenderson@prodigy.net | |
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**Plan Holders List: Bid # 24-07 Project ID Sto852118B**

**Key: Y** = on plan holders list, submitted bid; **X** = on plan holders list, did not submit bid; **NP** = not on plan holders list, submitted bid

| 24-07 | Name | Company | Email | Street Address | City | State | Zip code | Phone |
|---|---|---|---|---|---|---|---|---|
| X | Gene Blazek | Blazek Corporation | blazekcorp@msn.com | 2005 Union Avenue | Lawler | IA | 52154 | 563-238-7150 |
| X | Jeremy Cole | Cole Excavating, LLC | office@coleexcavating.com | 122 N. 2nd Street, P.O. Box 617 | Greene | IA | 50636 | 641-823-4700 |
| X | Bryce Dooley | Ground Solutions Seeding | groundsolutionsseeding@gmail.com | | | | | 715-210-6432 |
| X | Kori Hatch | Hatch Grading & Contracting | hgc@fctc.coop | PO Box 157 | Dysart | IA | 52224 | 319-476-2626 |
| X | Bruce Vonnahme | Leroy and Sons, Inc. | vonateam@netins.net | 405 Dunlap Street | Arcadia | IA | 51430 | 712-790-9956 |
| X | Derek Ludovissy | Ludovissy Enterpirses | ludovissyenterprises@gmail.com | 702 S. 2nd St PO Box 714 | Guttenberg | IA | 52052 | 563-880-4866 |
| X | Cindy Adams | Master Builders of Iowa | Cadams@mbi.build | 221 Park Street | Des Moines | IA | 50309 | 515-288-7339 |
| X | Julie Knutson | Master Builders of Iowa | jknudson@mbi.build | 4100 Westwon Pkwy | West Des Moines | IA | 50266 | 712-276-3681 |
| X | Braxton Rottinghaus | Peterson Contractors Inc. | braxtonr@pcius.com | 104 Blackhawk Street | Reinbeck | IA | 50669 | 319-560-9845 |
| X | Matt Bohlen | Peterson Contractors Inc. | matt@pcius.com | 104 Blackhawk Street | Reinbeck | IA | 50669 | 319-245-2713 x217 |
| X | Samantha Millang | Peterson Contractors Inc. | sam@pcius.com | 104 Blackhawk Street | Reinbeck | IA | 50669 | 319-345-2713 x208 |
| X | Aly Recker | Laser Presicion LLC | guynnllc@hotmail.com | 5415 19th Ave | Auburn | IA | | 319-560-4419 |
| X | Anabelle Hernandez | Laser Presicion LLC | guynnllc@hotmail.com | 5415 19th Ave | Auburn | IA | | 319-560-4419 |
| X | Tracy Rhoads | On Track | bids@ontrackiowa.com | PO Box 524, 1435 West F Ave | Nevada | IA | 50201 | 515-480-5316 |
| | Rechie Manalop | Dodge Construction Network | Rechie.Manalop@construction.com | | | | | |
| | Alarice Dionela | Dodge Construction Network | clarice.dionela@construction.com | | | | | |