



DANE COUNTY DEPARTMENT of PUBLIC WORKS, HIGHWAY and TRANSPORTATION

County Executive
Kathleen M. Falk

1919 Alliant Energy Center Way • Madison, Wisconsin 53713
Phone: (608) 266-4018 • Fax: (608) 267-1533

Commissioner / Director
Gerald J. Mandli

JUNE 24, 2009

ATTENTION ALL REQUEST FOR BID (RFB) HOLDERS

RFB NO. 309014 - ADDENDUM NO. 2

STEWART LAKE HYDRAULIC DREDGE

6-24-09
for Sections 01, 02, 31 & 32

BIDS DUE: THURSDAY, JULY 2, 2009, 2:00 PM. DUE DATE AND TIME ARE NOT CHANGED BY THIS ADDENDUM.

This Addendum is issued to modify, explain or clarify the original Request for Bid (RFB) and is hereby made a part of the RFB. Please attach this Addendum to the RFB.

Acknowledge receipt of this addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

PLEASE MAKE THE FOLLOWING CHANGES:

CHANGES TO PROCUREMENT AND CONTRACTING REQUIREMENTS

1. Section No. 00 21 13
 - a. Delete item 10.A.1 and replace with:
The successful bidder will be selected based on the Owners lowest total project costs. If Schedule B is bid, Owner will be required to pay (under separate contract) an estimated \$40,000.00 to dispose of materials stored at the two sites. Therefore Owner will add \$40,000.00 to Schedule B bids when comparing them to Schedule A bids to asses Owner's lowest total project cost before selecting the lowest bidder.
 - b. Add item 10.A.4:
Selected Contractor will have to meet Qualification requirements and have acceptable references per the contract documents.
2. Section No. 00 41 13
 - a. Delete Bid Form and replace with attached Bid Form
3. Section No. 00 72 14
 - a. Item 12.B, add "with the exception of those permits procured by the Owner as described in 12.H below.
 - b. Add item 12.H:

The Owner has been informed by WDNR that all dredging permits will be issued by July 20, 2009. WDNR has indicated that the Owner will be granted a general WPDES discharge permit requiring an 80 mg/l TSS limit.

CHANGES TO SPECIFICATIONS

1. Section No. 01 00 00 – General Requirements
 - a. **Item 1.2.A, remove the word elevated** and change the word “facility” to “facilities”.
 - b. Item No. 1.7.A, add at end of sentence: and more often as deemed necessary by Owner or Engineer. Contractor shall have individuals with decision-making authority at all meetings.
 - c. Item No. 1.12.A change paragraph to read: Temporary parking areas to accommodate construction personnel will be available at staging area north of the lake. The south parking lot shall be available for a construction trailer and two vehicles but is to remain open for toilets and park recreational area public access.
 - d. Add item No. 1.12.B. Temporary parking areas to accommodate construction personnel for Schedule “B” services will be the proposed elevated dewatering area property. If Schedule “B” is selected, the south parking lot will still be available for one construction trailer and two vehicles.
 - e. Add Item No. 1.13 – Site Transportation
 - A. ATV and construction related equipment use are acceptable on project sites.
 - B. Equipment is to be operated in a safe and prudent manner. Contractor will yield right-of-way to general public on facility trails.
 - f. Renumber remaining Sections 1.14 through 1.20.

2. Section No. 01 11 00 – Summary of Work
 - a. **Item 1.5.B.2 change “hydrographic” to “bathymetric”.**
 - b. Item 1.5.B.6 add (schedule “A” only) after “Providing passive cells”.
 - c. Item 1.5.B.9 add (schedule “A” only) after “dewatering cell,”.
 - d. Item 1.5.B.10 add (schedule “A” only) after end of sentence.
 - e. Item 1.5.B.11 add (schedule “A” only) after end of sentence.
 - f. Item 1.5.B.12 at end of sentence, remove “site settling ponds” and change to “operations”.
 - g. Item 1.5.B.13 add “or Moen Creek (Schedule “B”)” after “Stewart Lake”.
 - h. Item 1.6.A.6 change “August 7” to “August 17”.
 - i. Item No. 1.7.A revise to read: Contractor shall have full use of the premises for construction operations (except: dam and stop log access), including use of the Project Site, as allowed by law, ordinances, permits, easement agreements and the Contract Documents. The south parking lot use shall be limited to one construction trailer and a maximum of two vehicles. If schedule “B” is selected, use of the two adjacent sites depicted on construction drawings will be used as dewatering sites with stacked geotextile tubes.
 - j. Item 1.7.G. change “(staging area)” to “(staging area schedule “A”)” and add the following sentence:
if schedule “B” is selected, this area will be used as a secondary dewatering site with geotextile tubes.
 - k. Add item No. 1.7.H: Land phone connection will be available at the south parking lot area at contractors expense.
 - l. Add item No. 1.7.I: Access road to Mount Horeb Sanitary Lift Station shall remain open and free of debris at all times.

- m. Add item No. 1.9.G: Contractor is responsible for brush cutting or tree trimming as necessary for the installation of piping, equipment, preparation of staging areas and mobilization of dredging and dewatering equipment. Areas to be affected shall be marked and pre-approved with Owner. Clearing shall be no greater than 10' wide and no oak trees may be cut. Trees on the north side of the 14 acre elevated dewatering site shall not be removed.
 - n. Add item No. 1.9.H: Dewatering operations shall not cause unstable soil foundation conditions to occur.
3. Section 01 22 01 – Measurement and Payment
- a. **Item 1.2.A.1.d, change “hydrographic” to “bathymetric”.**
 - b. Item 1.2.C.1.b add “any” in front of “existing”.
 - c. Add to item 1.2.D.1.g: All pipeline routes crossing established trails shall be buried or recessed to allow general public access including handicap accessibility.
 - d. Add to item 1.2.D.1. – item j. Removal of trees and/or brush for piping routes and miscellaneous equipment installation. Contractor shall mark areas to be affected and gain pre-approval of Owner. Clearing shall be no greater than 10' wide and no oak trees may be cut.
 - e. Add to item 1.2.E.1.d: Removal of established vegetation as necessary as to not impede efficient and effective hydraulic dredging operations. Renumber items d through m.
 - f. Change item 1.2.E.4 to read as follows: The Contractor will perform a pre-dredge QA survey to verify existing conditions and use as the basis for dredge quantities determination when dredging is complete. Pre-dredge QA bathymetric survey shall be completed upon removal of debris and necessary vegetation. All QA bathymetric surveys shall be conducted using RTK GPS equipment. Owner/Engineer will witness all QA surveys performed by the Contractor by being aboard the survey vessel during the conduct of each QA survey. Owner reserves the right to use a different measurement method (e.g., poling, transects using survey grade GPS).
 - g. Item 1.2.F.2.b, add “(schedule “A” only)” after “stockpiling”.
 - h. Item 1.2.F.4, remove “not be allowed” and add “be limited to two layers, unless otherwise approved by the Owner.
 - i. Item 1.2.I.2, add “(schedule “A” only)” after “stockpiling operations”.
 - j. Item 1.2.I.3, add “(schedule “A” only)” at the end of the sentence.
4. Section 02 16 00 – Sediment Dewatering
- a. **Item 1.2.C add “(schedule “A” only)” at the end of the sentence.**
 - b. Item 2.3.A add “(schedule “A” only)” at the end of the sentence.
 - c. Item 2.3.B add “(schedule “A” only)” at the end of the sentence.
 - d. Add item 2.3.D Geotextile tubes are permissible at the dewatering area for Schedule “A”. Geotextile tubes shall be used by the contractor if bidding schedule “B”.
 - e. Item 3.1.C add“(schedule “A” only)”at the end of the sentence.
 - f. Add item 3.1.I Construction grades after soil is taken from around the dewatering cell(s) or sediment removed from dewatering cell(s) and stockpiled shall be left in a safe condition with slopes no greater than 3 to 1. “(schedule “A” only)”
 - g. Add item 3.1.J Dewatering site shall be rough graded for Owner to temporary seed and mulch. Contractor may need to berm or touch-up site periodically to prevent erosion.

- h. Add item 3.1.K Materials may be excavated from the entire dewatering site within the tree lines and established trails as marked by Owner. A minimum buffer of 10' between tree lines, trails, and stormwater structures and any disturbance shall be maintained.
 - i. Add item 3.1.L Provide monitoring points for carriage or decant water to allow collection of representative effluent samples, in accordance with the WPDES permit conditions.
5. Section 02 32 50 - Dredging
- a. Change item 1.6.E.1 to be 50 meters (vs 100 meters).
 - b. Change item 2.1 – add new A. Provide equipment for removal of established lake bed vegetation as necessary.
Renummer all items B through E.
 - c. Add item 3.1.E. Removal of vegetation may be necessary for efficient hydraulic dredging shall be included in unit price for hydraulic dredging. Vegetation removed by the contractor, drained free of water and transported to the debris staging area by the contractor will be disposed of by the Owner. Weight to be determined by the Owner, the same as for debris.
6. Section 31 32 19 – Geotextile Fabrics
- a. Add to item 3.2.A **Installation** of all geotextile fabric shall be in accordance with geotextile fabric manufacturer's recommendations.
 - b. Add item 3.2.B All geotextile fabrics shall be installed on base materials prepared in accordance with geotextile fabric manufactures recommendations.
 - c. Add to item 2.2.B.7 – add new c. Geo-Synthetics, Inc., 2401 Pewaukee Road, Waukesha, WI 53188, Office 262.524.7979
 - d. Add to item 2.2.B.7.b – add new d. Maccaferri, Inc., 470 Olde Worthington Road, Suite 200, Westerville, OH 43082, Tel: 614-410-6634
 - e. Change item 2.2.B.8 to read as follows: Geotextile dewatering tubes shall be sized appropriately for site, at Contractor's discretion.

CHANGES TO ATTACHMENTS

- 1. Delete Attachment 1 and replace with attached Attachment 1

CHANGES TO DRAWINGS

- 1. Delete Drawing No. 1 and replace with attached Drawing No. 1
- 2. Delete Drawing No. 8 and replace with attached Drawing No. 8
- 3. Delete Drawing No. 10 and replace with attached Drawing No. 10

If any additional information about this Addendum is needed, please call John Schraufnagel at 608/266-4798, schraufnagel@co.dane.wi.us.

Sincerely,

John Schraufnagel
Project Manager

Enclosures:

Bid Form
Attachment 1
Drawing No. 1
Drawing No. 8
Drawing No. 10

SECTION 00 41 13

BID FORM

BID NO. 309014

PROJECT: STEWART LAKE HYDRAULIC DREDGE

**TO: DANE COUNTY DEPARTMENT OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION PROJECT ENGINEER
1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN 53713**

The undersigned, having examined the site where the Work is to be executed and having become familiar with local conditions affecting the cost of the Work and having carefully examined the Drawings and Specifications, all other Construction Documents and Addenda thereto prepared by Foth Engineering and Dane County Department of Public Works, Highway & Transportation hereby agrees to provide all labor, materials, equipment and services necessary for the complete and satisfactory execution of the entire Work, as specified in the Construction Documents, for the Base Bid lump sum and unit pricing as follows:

The successful bidder will be selected based on the Owners lowest total project costs. If Schedule B is bid, Owner will be required to pay (under separate contract) an estimated \$40,000.00 to dispose of materials stored at the two sites. Therefore Owner will add \$40,000.00 to Schedule B bids when comparing them to Schedule A bids to assess Owner's lowest total project cost before selecting the lowest bidder.

SCHEDULE "A"

BASE BID A – LUMP SUM AND UNIT PRICING

Dane County is inviting Bids for a 21,480 cubic yard hydraulic dredge on Stewart Lake in Mt. Horeb, WI. The project will involve constructing pipelines and pumps to transport dredge slurry to the approximately 14 acre elevated dewatering site. The work includes developing the dewatering site and returning decanted water back to Stewart Lake.

No.	Description	Unit	Estimated Quantity	Unit Price	Price
1	Mobilization and Demobilization	LS	1	\$ /EA	\$
2	Stewart Lake Site Access Preparation	LS	1	\$ /EA	\$
3	Dewatering Site Topsoil Removal and Stockpiling	LS	1	\$ /EA	\$
4	Dewatering Site Development -- Dewatering Site/Effluent Discharge System Construction (Check Only One Proposed Method) Dewatering Cell Geotextile Tubes	LS	1	\$ /EA	\$
5	Dredging Sediments	CY	21,480	\$ /EA	\$
6	Sediment Dewatering Operations	CY	21,480	\$ /EA	\$
7A	Mobilize Debris Removal Equipment	LS	1	\$ /EA	\$
7B	Oversize Material (Debris) Removal and Disposal	Tons	5	\$ /EA	\$
8	Sediment Management and Stockpiling	CY	21,480	\$ /EA	\$

Total: \$ _____
Numeric Price

DEDUCTIVE BID ITEM ALTERNATES

The Owner may perform Bid Item 3, Unit Price Bid Schedule "A", thereby eliminating this bid item from the bid.

No.	Description	Unit	Estimated Quantity	Price
A	Dewatering Site Topsoil Removal and Stockpiling	LS	1	\$ _____

The Owner may decide to dredge less than the stated quantity in Bid Item 5., Unit Price Schedule A. If Owner selects this Deductive Alternate B, this Alternate B Bid Item will replace Bid Item 5. Provide Unit Price with Bid that is valid for estimate quantity range. Actual quantity to be determined as part of Bid Award.

No.	Description	Unit	Estimated Quantity	Unit Price
B	Dredging Sediments (12,000 cy – 17,183 cy)	CY	1	\$ _____/EA

In the base bid (included in Bid Item 1), Contractor is responsible for all pre and post QA Bathymetric Survey measurements with Owner/Engineer supervision and inspection. If the Owner selects Deductive Alternate C, others will do this work.

No.	Description	Unit	Estimated Quantity	Price
C	Bathymetric Survey measurements done by others, deduct	LS	1	\$ _____

SCHEDULE "B"

BASE BID B – LUMP SUM AND UNIT PRICING

Dane County is inviting Bids for a 21,480 cubic yard hydraulic dredge on Stewart Lake in Mt. Horeb, WI. The project will involve constructing pipelines and pumps to transport dredge slurry to the two dewatering sites adjacent to Stewart Lake, totaling approximately 2 acres. The work includes developing the dewatering site and returning decanted water back to Stewart Lake or Moen Creek. The geotextile tubes may be located at the Contractor's discretion with exception of the area 10' from the road (CTY HWY JG), stream flood plain, asphalt service trail, and the south parking lot. Most all vegetation may be removed and disposed of by Contractor within that 10' buffer zone under the supervision of the Owner. It is the Contractor's responsibility to level the site per geotextile tube manufacture's requirements and control any leakage (geotextile tube rupture) that may occur. Also, the Contractor must maintain buffers, provide erosion control, and build a DNR approved carriage water control outlet.

No.	Description	Unit	Estimated Quantity	Unit Price	Price
1	Mobilization and Demobilization	LS	1	\$ _____ /EA	\$ _____
2	Stewart Lake Site Access Preparation	LS	1	\$ _____ /EA	\$ _____
3	Purposely Left Blank				
4	Dewatering Site Development -- Dewatering Site/Effluent Discharge System Construction with Geotextile Tubes	LS	1	\$ _____ /EA	\$ _____
5	Dredging Sediments	CY	21,480	\$ _____ /EA	\$ _____
6	Sediment Dewatering Operations	CY	21,480	\$ _____ /EA	\$ _____
7A	Mobilize Debris Removal Equipment	LS	1	\$ _____ /EA	\$ _____
7B	Oversize Material (Debris) Removal and Disposal	Tons	5	\$ _____ /EA	\$ _____
8	Sediment Management and Stockpiling	CY	21,480	\$ _____ /EA	\$ _____

Total: \$ _____
Numeric Price

_____ and _____ /100 Dollars

DEDUCTIVE BID ITEM ALTERNATES

The Owner may decide to dredge less than the stated quantity in Bid Item 5., Unit Price Schedule B. If Owner selects this Deductive Alternate A, this Alternate A Bid Item will replace Bid Item 5. Provide Unit Price with Bid that is valid for estimate quantity range. Actual quantity to be determined as part of Bid Award.

No.	Description	Unit	Estimated Quantity	Unit Price
A	Dredging Sediments (12,000 cy – 17,183 cy)	CY	1	\$ _____/EA

In the base bid (included in Bid Item 1), Contractor is responsible for all pre and post QA Bathymetric Survey measurements with owner/engineer supervision and inspection. If the owner selects Deductive Alternate B, others will do this work.

No.	Description	Unit	Estimated Quantity	Price
B	Bathymetric Survey measurements done by others, deduct	LS	1	\$ _____

Receipt of the following addenda and inclusion of their provisions in this Bid is hereby acknowledged:

Addendum No(s). _____ through _____

Dated _____

Dane County Public Works must have this project completed by October 15, 2009. Assuming this Work can be started by July 21, 2009, what dates can you commence and complete this job?

Commencement Date: _____ Completion Date: _____
(final, not substantial)

I hereby certify that all statements herein are made on behalf of:

(Name of Corporation, Partnership or Person submitting Bid)

Select one of the following:

1. A corporation organized and existing under the laws of the State of _____, or
2. A partnership consisting of _____, or
3. A person conducting business as _____,

Of the City, Village, or Town of _____ of the State of _____

I have examined and carefully prepared this Bid from the associated Construction Documents and have checked the same in detail before submitting this Bid; that I have full authority to make such statements and submit this Bid in (its) (their) (my) behalf; and that the said statements are true and correct. In signing this Bid, we also certify that we have not, either directly or indirectly, entered into any agreement or participated in any collusion or otherwise taken any action in restraint of free competition; that no attempt has been made to induce any other person or firm to submit or not to submit a Bid; that this Bid has been independently arrived at without collusion with any other bidder, competitor, or potential competitor; that this Bid has not been knowingly disclosed prior to the opening of Bids to another bidder or competitor; that the above statement is accurate under penalty of perjury.

SIGNATURE: _____
(Bid is invalid without signature)

Print Name: _____ Date: _____

Title: _____

Address: _____

Telephone No.: _____ Fax No.: _____

Email Address: _____

Contact Person: _____

BID CHECK LIST:

These items **must** be included with Bid or completed **before** bidding

Signed Bid Form

Bid Bond

Fair Labor Practices Certification

DANE COUNTY VENDOR REGISTRATION PROGRAM

All bidders / proposers wishing to submit a bid / proposal must be a registered vendor with Dane County & pay an annual registration fee. Complete a Vendor Registration Form at www.danepurchasing.com, or obtain one by calling 608/266-4131.

EQUAL BENEFITS REQUIREMENT

By submitting a Bid, the contractor acknowledges that a condition of this contract is to provide equal benefits as required by Dane County Code of Ordinances Chapter 25.016. Contractor shall provide equal benefits as required by that Ordinance to all required employees during the term of the contract. For more information:

www.danepurchasing.com/partner_benefit.aspx

Attachment 1
Bathymetric Survey Requirements

Bathymetric Survey Verification

This section describes the survey procedures to be used in support of the bathymetric survey verification activities for all pre-dredge and post-dredge Quality Assurance (QA) surveys. Survey control points shown on the drawings shall be used as the horizontal and vertical datums for the survey work.

Bathymetric Survey Methods and Equipment

A baseline existing conditions or pre-dredge QA bathymetric survey will be conducted in areas anticipated for dredging in 2009, prior to dredging in those areas. This survey will be the basis from which all volume computations for 2009 dredging work will be made.

Following completion of dredging, a post-dredge QA bathymetric survey of the lake bottom surface will be performed for final confirmation that the design target elevations have been achieved. This survey, in conjunction with the baseline existing conditions survey, will also be used to document the post-dredge sediment bed elevation and to calculate the sediment volumes removed for payment during dredging activities.

QA bathymetric surveys will be performed following the general procedures described by Engineering and Design – Hydrographic Surveying (USACE Manual No. 1110-2-1003, 2004). Upon Contract Award, the Contractor and Engineer will review and integrate this procedure with the Contractor's proposed dredging process. Table 1 summarized the minimum bathymetric survey requirements.

Table 1
Bathymetric Survey Requirements

Survey Classification	Special Order
Survey Equipment	<ul style="list-style-type: none"> ◆ Real-Time Kinematic (RTK) Global Positioning System (GPS)
Survey Coverage	<ul style="list-style-type: none"> ◆ Survey boat with maximum 18 inch draft ◆ Transect coverage, entire length and width of each dredged area, as specified below ◆ 50-ft. line spacing, longitudinal to flow ◆ Cross lines at 50-ft. spacing, perpendicular to flow
Equivalent Target Map Scale	<ul style="list-style-type: none"> ◆ 1 in. = 50 ft. (Note: The mapping may also be used at various smaller scales for different purposes on the project, but the accuracy of the bathymetric hydrographic bathymetric survey shall be based on the map scale no smaller than 1 in. = 50 ft.)
Resultant Horizontal Accuracy	◆ +/- 10% of water column depth
Resultant Elevation/Depth Accuracy	≤0.25 ft.
Map Contour Interval	0.5 ft.
Coordinate System	NAD 83, Dane County Coordinate System
Vertical Datum	NAVD 88
Unit of Measure	U.S. survey ft.
Output Electronic Format	Compatible with ArcGIS and Microstation
Output Hard Copy Format	ANSI D-size sheets (22 x 34 in.; to allow half-scale plotting directly to 11 x 17 in. when needed)

Prepared by: TAG
Checked by: DMR

CONSTRUCTION DRAWINGS FOR STEWART LAKE HYDRAULIC DREDGE PROJECT RFB No. 309014 DANE COUNTY DEPARTMENT OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION

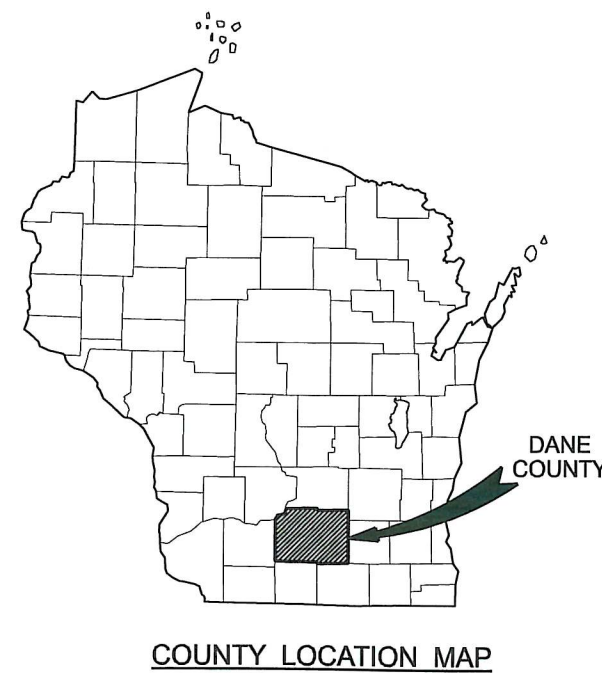
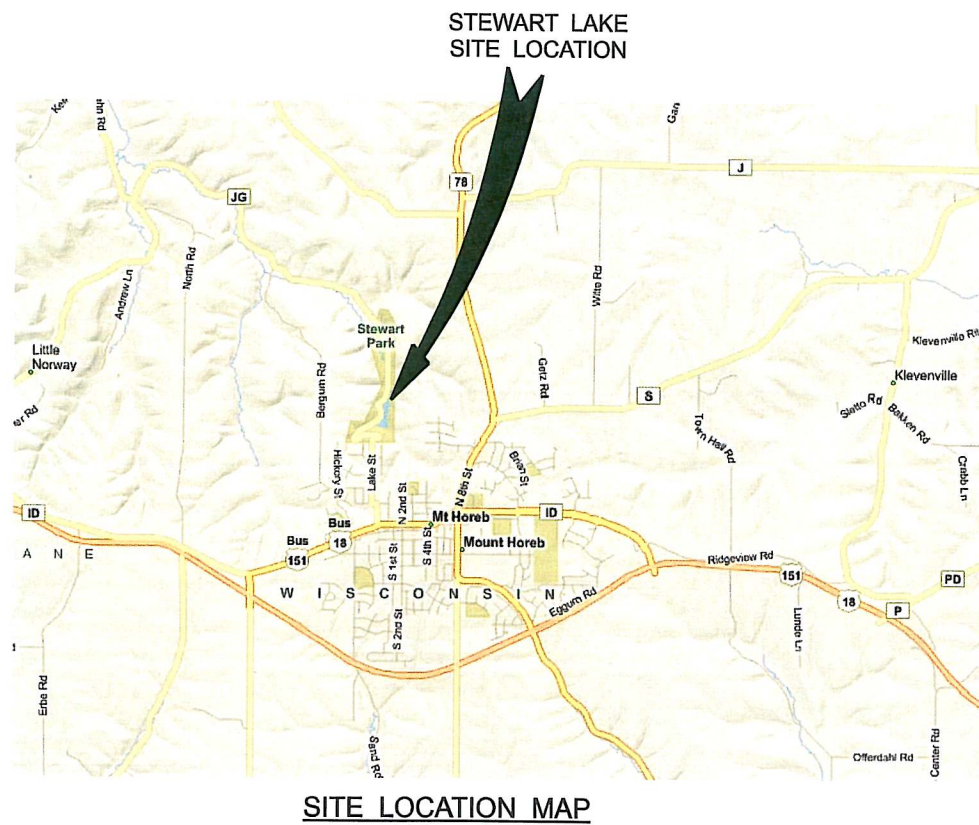
DANE COUNTY, WISCONSIN

JUNE, 2009

Prepared By



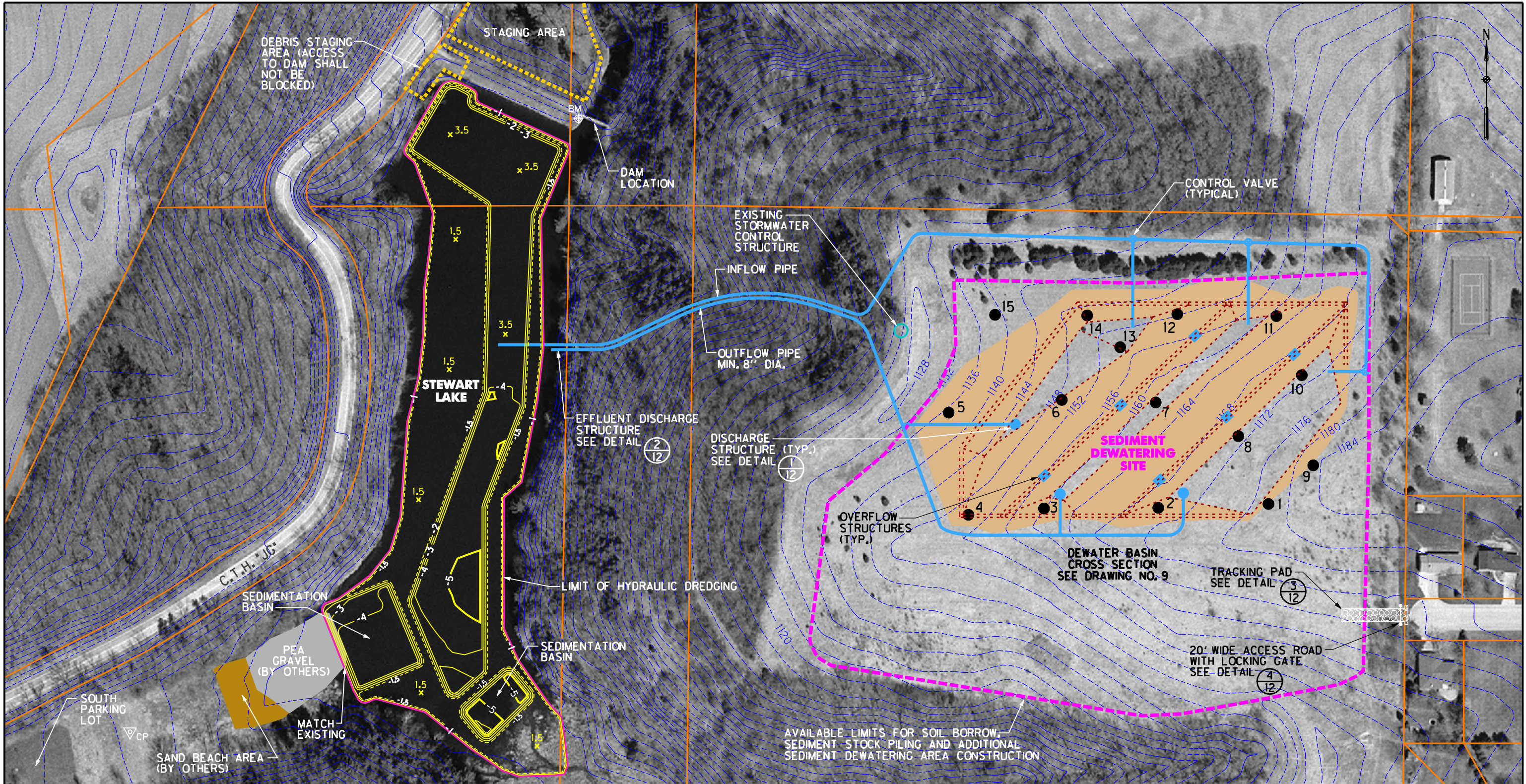
09D002



DRAWING NO.	INDEX
	DESCRIPTION
1	TITLE SHEET
2	STEWART LAKE PROJECT LOCATION MAP
3	STEWART LAKE DREDGE PLAN
4	CROSS SECTION LOCATION MAP
5	LAKE BED CROSS SECTIONS
6	LAKE BED CROSS SECTIONS
7	STEWART LAKE WATER DEPTH MAP
8	CONCEPTUAL DREDGING & DEWATERING PROJECT LAYOUT
9	DEWATERING BASIN CONCEPTUAL DESIGN CROSS SECTION
10	CONCEPTUAL DREDGING & GEOTEXTILE TUBE DEWATERING PROJECT LAYOUT
11	SITE PREPARATION CONCEPTUAL CROSS SECTION FOR GEOTEXTILE TUBE DEPLOYMENT
12	DETAILS

DENIS M. ROZNOWSKI
 E-26946
 DE PERE,
 WI

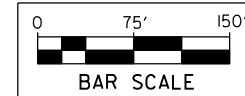
X:\GIS\2009\09D002\cad\Plan\90902r1.dgn
 06/24/2009 2:17:14 PM lbg



LEGEND

- 1160 — EXISTING GROUND CONTOUR
- PARCEL BOUNDARIES
- LIMITS OF HYDRAULIC DREDGING
- 2 PROPOSED CONTOUR REPRESENTING AMOUNT OF DREDGE CUT FROM EXISTING CONDITIONS (INCLUDING OVERDREDGE ALLOWANCE)
- PROPOSED PEA GRAVEL (BY OTHERS)
- PROPOSED SAND BEACH (BY OTHERS)
- BM BENCHMARK LOCATION
- CP CONTROL POINT LOCATION
- 4 TEST PIT NUMBER AND LOCATION
- CONCEPTUAL BERM CONFIGURATION

- NOTES:**
1. HORIZONTAL CONTROL BASED ON NAD 1983 DANE COUNTY COORDINATE SYSTEM. VERTICAL DATUM BASED ON NAVD88.
 2. SEDIMENT DEWATERING LAYOUT IS CONCEPTUAL ONLY. CONTRACTOR TO PROVIDE PROPOSED DEWATERING LAYOUT AS PART OF SUBMITTALS REQUIRED IN THE PROJECT MANUAL.
 3. DREDGE CUT ELEVATIONS WILL BE PROVIDED TO THE SUCCESSFUL BIDDER OF THE PROJECT.
 4. BOTTOM OF PROPOSED DREDGE CUT SHOWN INCLUDES OVERDREDGE ALLOWANCE.



DANE COUNTY DEPT. OF PUBLIC WORKS,
HIGHWAY & TRANSPORTATION

DRAWING NO. 8
CONCEPTUAL DREDGING & DEWATERING
PROJECT LAYOUT

Date: JUNE, 2009	Revision Date:
Drawn By: JRB	Checked By: TAG
Scope: 09D002	

