

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES	
			J	1	1
2. AMENDMENT/MODIFICATION NO. 0001	3. EFFECTIVE DATE 12-Sep-2006	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO.(If applicable) ED 06-107	
6. ISSUED BY USACE, CONTRACTING DIVISION ATTN: CEMVN-CT, ROOM 172 7400 LEAKE AVE. NEW ORLEANS LA 70118-3651	CODE W912P8	7. ADMINISTERED BY (If other than item 6) See Item 6		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)			X	9A. AMENDMENT OF SOLICITATION NO. W912P8-06-B-0061	
			X	9B. DATED (SEE ITEM 11) 21-Aug-2006	
				10A. MOD. OF CONTRACT/ORDER NO.	
				10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE		11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS		
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended.					
Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)					
The above numbered solicitation for Barataria Bay Waterway and Bayou Segnette Waterway, Entrance "Y" and Bayou Segnette (Mile 0.0 to 4.2), Maintenance Dredging, Jefferson Parish, LA is hereby amended as follows: Section 00010: Page 00010- 3, Delete page in its entirety and substitute the attached revised Page 00010-3. Section 02482: Delete section in its entirety and substitute with the attached revised Section 02482. There are no changes to the Drawings. <p style="text-align: center;">BID OPENING DATE</p> The bid opening date and time of 20 September, 2006, 2:00 p.m. local time and place, remains unchanged.					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
			TEL: _____ EMAIL: _____		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
_____ (Signature of person authorized to sign)		BY _____ (Signature of Contracting Officer)		12-Sep-2006	

SECTION 00010 – BIDDING SCHEDULE

Barataria Bay Waterway and Bayou Segnette Waterway
Entrance “Y” and Bayou Segnette (Mile 0.0 to 4.2)
Maintenance Dredging, Jefferson Parish, Louisiana

Item No.	Description	Estimated Quantity	Unit	Unit Price	Estimated Amount
0001	Mobilization and Demobilization	01	LS		
0002	Entrance “Y” Dredging	92,000	CY		
*0003	Segnette Dredging	180,000	CY		
0004	Dredged Material Retainment	01	LS		
	*The following Items are OPTIONAL				
*0005	Mobilization to Lake Salvador for Sediment Mining	01	LS		
*0006	Sediment Mining	60,000	CY		

TOTAL \$ _____

*Denotes a change from previous Bidding Schedule

Award will be made as a whole to one bidder.

NOTE 1: Bidders shall furnish unit prices for each item listed in the Schedule requiring a unit price. If the bidder fails to insert a unit price in the appropriate blank for required item(s), but does furnish an extended total, or an estimated amount for such item(s), the Government shall deem the unit price to be the quotient obtained by dividing the extended amount for that line item by the quantity. IF A BIDDER OMITS BOTH THE UNIT PRICE AND THE EXTENDED TOTAL OR ESTIMATED AMOUNT FOR ANY ITEM, ITS BID SHALL BE DECLARED NON-RESPONSIVE AND THEREFORE INELIGIBLE FOR AWARD.

NOTE 2: Any bid may be rejected if the Contracting Officer determines in writing that it is unreasonable as to price. Unreasonableness of price includes not only total price of bid, but the price for individual line items as well. Any bid may be rejected if the prices for any line items or subline items are materially unbalanced (See FAR 14.404-2).

NOTE 3: THE NOTICE TO PROCEED (NTP): The successful bidder is advised that performance and payment bonds shall be submitted in accordance with the time frame in block 12B of SF 1442 after Notice of Award. The NTP will be issued immediately after verification of acceptable performance and payment bonds. Within 24 hrs after issuance of the NTP, the Contractor shall initiate a meeting to discuss the submittal process with the Area or Resident Engineer or his authorized representative. Physical work cannot start until the Accident Prevention Program, Contractor Quality Control Plan, and other submittals which may be required, have been submitted and approved and all preliminary meetings called for under the contract, have been conducted.

NOTE 4: EVALUATION OF OPTIONS (FAR 52.217-5 JUL 1990). The Government will evaluate offers for award purposes by adding the total price for all options to the total price for this basic requirement. Evaluation of options will not obligate the Government to exercise the option(s).

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SECTION 02482 – DREDGING

PART 1 GENERAL

1.1 SCOPE

The work provided for herein consists of furnishing all plant, labor, materials, and equipment and performing all operations necessary for the removal of all materials to the required dimensions as shown on the contract drawings, satisfactory disposal thereof, and all operations incidental thereto.

1.2 MEASUREMENT

1.2.1 Quantity Surveys

A survey of the sites for dredging shall be made in accordance with the provisions of Section 01331 and all measurements to determine dredging quantities will be based on the “before dredging” cross sections described therein. The soundings and contours shown on the contract drawings are representative of conditions that existed on the date of the survey posted on the drawings and do not necessarily represent existing conditions. The elevations shown thereon shall be verified or corrected by the “before dredging” surveys. Determinations of quantities to be paid for in the area specified, after having once been made, will not be reopened.

1.2.2 Acceptance Profiles

Should the acceptance profiles and/or soundings described in 01331-3.1.5, disclose any lack of the required dimensions, the Contractor shall re-dredge the area at no additional expense to the Government. After re-dredging, the required dimensions shall be verified by rerunning the profiles. Re-dredging shall be performed until the acceptance profiles and/or soundings show that the required dimensions have been obtained.

1.2.3 Quantity Computations

The quantity of dredged material removed and to be paid for will be measured by the cubic yard by computing the volume along the centerline between the “before-dredging” cross sections and the required dimensions as shown on the contract drawings using the average end area method. No allowance will be made for excessive dredging except as provided in paragraph 3.1.5. In order for the Government to make dredging volume computations, the Contractor shall furnish the track plotter charts described in 01331-3.1.3, and the “before dredging” data described in 01331-3.1.4.

1.2.4 Acceptance Reach

For the purpose of acceptance, the completed work will be accepted in reaches of 2,000 linear feet along the channel centerline over the full bottom width as shown on the contract drawings.

1.2.5 Timely Performance of Quantity Surveys

“Before-dredging” quantity surveys shall be made at least 2,000-feet in advance of dredging operations but not more than two weeks prior to commencement of work in the acceptance reach or channel reach to be covered by the survey unless an exception is granted by the Contracting Officer. Acceptance profiles shall be made within 2,000-feet behind the dredge but not more than two weeks after completion of work in any acceptance reach. Deviations from this limiting time element may be necessary because of unusual job conditions or adverse weather.

1.2.6 Progress Payments

Monthly progress payments will be made based on quantities determined using “before dredging” surveys and the required dimensions, provided the acceptance profiles and any additional soundings that may be directed indicate that the Contractor has met the required dimensions and the acceptance reach length.

1.2.7 Radio and Telephone Communication Equipment

No separate measurement and payment will be made for furnishing and maintaining radio and telephone communication equipment.

1.3 PAYMENT

1.3.1 Mobilization and Demobilization

An item to cover the cost of initial mobilization and final demobilization of the Contractor's plant and equipment under this contract is included and will be paid for as stipulated in the Contract Clause in Section 00700, entitled *Payment For Mobilization And Demobilization (DFARS 252.236-7004)*. This item will also cover the cost of moving between reaches of work within this contract.

1.3.2 Dredging

Payment for dredging will be made at the applicable contract unit price for dredging. Price and payment shall constitute full compensation for furnishing all plant, labor and materials and performing all work for surveying, including any additional soundings that may be directed, disposal of materials, furnishing aluminum skiff fully operated, pollution control, furnishing and maintaining radio and telephone communications equipment, and all operations incidental thereto.

1.3.3 Dredged Material Retainment

Payment for construction of earthen dikes, maintenance of existing dikes, handling discharge pipe at the different disposal locations, installation\movement\ and removal of the silt curtain will be made at the contract lump sum price for "Dredged Material Retainment." Price and payment shall constitute full compensation for all materials, equipment, labor and operations necessary to prepare the disposal areas as described in these plans and specifications prior to depositing dredged material and maintaining the same system for the life of the contract.

1.3.4 Additional Mobilization

Upon assignment of the sediment mining in Lake Salvador, the payment for mobilizing to the site from Bayou Segnette or the Entrance "Y" and back to the maintenance dredging site will be made at the contract lump sum price for "Mobilization to Lake Salvador for Sediment Mining." The Contractor may complete all work upon completion of mining from Lake Salvador without a credit for demobilization back to the maintenance site the Contractor mobilized from to perform the sediment mining. If the Contractor makes more than one trip to do sediment mining in the Lake Salvador under a single assignment, the Contractor will not be authorized additional cost beyond this item. Costs to be included in this item include allowable flotation access to both the borrow pit and Disposal Area 4 within Lake Salvador, before and after dredging surveys of the borrow pit to establish quantity to be paid, handling discharge pipe at the different disposal locations within Disposal Area 4 when sediment mining from Lake Salvador, and installation\movement\ and removal of the silt curtain as directed in these plans and specifications. Price and payment shall constitute full compensation for all materials, equipment, labor and operations necessary to reposition the dredge in Lake Salvador and preparing the borrow site and Disposal Area 4 for sediment mining.

1.3.5 Sediment Mining

Payment for dredging in Lake Salvador will be made at the contract unit price for "Sediment Mining." Price and payment shall constitute full compensation for furnishing all plant, labor and materials and performing all work disposal of materials, furnishing aluminum skiff fully operated, pollution control, furnishing and maintaining radio and telephone communications equipment, and all operations incidental thereto.

1.4 SUBMITTALS

1.4.1 Pump Curve and Dredge Data

The Contractor shall submit the manufacturer's pump curve for each pump to be used during the project no later than 15 days after award of the contract. This includes the dredge's main pump, ladder pump if applicable, and booster pump(s) if applicable. If

a substitution of equipment occurs during the contract, the pump curve of the substituted pump(s) shall be submitted at the time of substitution. Each pump curve submitted shall be clearly designated with the dredge name, contract number, pump function (main pump, ladder pump, or booster pump, etc.), pump HP and RPM. The pump curve shall consist of the pump performance for water plotted against hydraulic head and discharge velocity and GPM's. A sample pump curve is included at the end of this section. One copy of this information shall be submitted to Engineering Division, attention John Petitbon. The following pump/dredge data shall also be submitted:

- (a) Full speed, continuous rating HP of each pump drive.
- (b) RPM for each dredge pump at driver full speed.
- (c) Diameter of impeller and diameter of eye for each pump.
- d) Inside diameter of suction and discharge pipelines of the dredge.
- (e) Indicate type of dredge advance mechanism (e.g., walking spuds, spud carriage or wires, etc.)
- (f) Provide location of dredge pumps centerline (approximately at water level, how far above or below waterline).

1.4.2 Plant Data Sheets

The Contractor shall complete the plant data sheets attached at the end of this section for the dredge and attendant plant the contractor intends to use to perform the work under this contract. Dredge physical data is required for submittal in the data sheets. If any of the data submitted in the plant data sheets changes during the execution of the contract the Contractor shall submit new data to the Government within 48 hours thereafter, showing the changes made to the equipment, along with the date(s) the changes were made. The completed data sheets shall be submitted within 5 calendar days after Contractor receipt of Government Notice to Proceed.

1.5 QUALITY CONTROL

The Contractor shall establish and maintain quality control for dredging operations to assure compliance with contract requirements and maintain records of his/her quality control for all dredging operations including but not limited to the following:

- (1) Dredging. Visual classification of material; limits of dredging as to bottom grades and widths; side slopes; alignment of channel as to distance from baseline.

(2) Retaining Dikes. The location and amount of area cleared from retaining dikes and retaining dike borrow, and the location, grade, and side slopes of retaining dikes.

(3) Dredged Material Disposal. Limits of dredged material as deposited in a disposal area, and location. Surveillance and location of effluent return outlets.

(4) Discharge Effluent.

(a) Any shoaling or leak in pipeline, and operation of waste weirs where constructed.

(b) Assistance. Government inspectors plan to inspect and take water samples no less than once a week. The Contractor shall provide any assistance necessary to the Government inspectors. The Contractor shall construct and maintain a hand railed walkway from a convenient point of access to each spill box and along the entire weir length when in use.

(5) Reporting.

1.5.1 Quality Control Reports

The original and two copies of these reports and tests, as well as the records of corrective action taken, shall be furnished the Government daily. Format of this report shall be as prescribed in Section 01451, "CONTRACTOR QUALITY CONTROL".

1.5.2 Report Of Operations

(1) The Contractor shall prepare and submit a Report of Operations (ENG Form 4267) for each dredge working. This report shall be submitted on a daily basis and not in groups, e.g. several daily reports packaged together at one time. A sample of ENG Form 4267 is included at the end of this section.

(2) The Contractor shall also prepare a report of operations for each month or partial month's work on MVN Form 322 (Work Sheet for Preparing Consolidated Form 4267). The monthly report shall be submitted on or before the 7th of each month, consolidating the previous month's work. MVN Form 322 can be computer generated and shall be approved by the Contracting Officer's Representative on site. A sample of MVN Form 322 is attached at the end of this section.

(3) The Contractor shall distribute one copy of each report to each of the following:

(a) U.S. Army Engineer District, New Orleans
ATTN: Mr. Alan Hunter, CELMN-CD-NO
P.O. Box 60267
New Orleans, LA 70160-0267

(b) Government Inspector

(4) One copy of each Report of Operations shall be maintained by the Contractor on the dredge(s).

(5) Further instructions on the preparation of the reports will be furnished at the Preconstruction Conference.

1.6 RADIO AND TELEPHONE COMMUNICATIONS

1.6.1 Maritime Radio Transceiver

The Contractor shall furnish and maintain throughout the contract, one FM ship's radio transceiver with power not in excess of 25 watts, and at least 15 watts output on the maritime frequencies of 156.800 (Channel 16) and 156.375 (Channel 67) MHz 16F3 emission, with a tolerance of plus or minus 5 kHz deviation at 100 percent modulation for communication concerning navigation in the vicinity of the dredge. The radio shall be operated in accordance with FCC rules and regulations.

1.6.2 Radio Equipment For Additional Dredges

In the event that the Contractor has more than one dredge operating simultaneously under this contract, the above-specified radio equipment shall be furnished and maintained on each dredge. The radio transceivers provided for in paragraph 1.6.1 shall be continuously monitored by qualified Contractor personnel aboard each dredge.

1.6.3 Facsimile and Cellular Telephone

The Contractor shall provide at least one cellular telephone and facsimile aboard the dredge. Final approval of the plant will not be made until this equipment is installed and in good working order. Facsimile and cellular phone service shall be available to Government personnel for conducting official Government business 24 hours per day, 7 days per week.

1.7 PLANT

1.7.1 General Requirements

The Contractor shall keep on the job the necessary dredge equipment and attendant plant to meet the requirements of the work. The dredge equipment and attendant

plant shall be in satisfactory operating condition and capable of safely and efficiently performing the work as set forth in specifications and shall be subject to inspection by the Contracting Officer's representative at all times.

1.7.2 Capacity

No reduction in the capacity of the dredge equipment and attendant plant employed to execute the work shall be made except by written permission of the Contracting Officer. The measure of the "Capacity of the Dredge and Attendant Plant" shall be its actual performance on the work to which these specifications apply.

1.7.3 Inspectors (Government Agents) Transportation

The Contractor shall furnish, throughout the contract period, for the exclusive use of the Government: a motorboat with certified operator, minimum 18 foot in length, with enclosed cabin, a minimum of twin 50 horsepower engines and equipped with safety equipment as required by EM 385-1-1. The Contractor shall also furnish fuel, oil, and maintenance of the motorboat throughout the contract period. The Contractor shall assume full responsibility for the storage and security of the motorboat when not in use by the Government employees. There shall be no separate payment for these items and the cost shall be distributed throughout the existing bid items. Equipment which fails to perform because of insufficient power or other mechanical deficiencies or due to inexperienced operators, shall be replaced, or the operator replaced as the case may be, within 12 hours after the Contractor is directed to do so by the Contracting Officer's Representative. No smoking shall be allowed inside the cabin and operator's space while occupied by Government personnel. No Smoking signs shall be posted.

PART 2 PRODUCTS (Not Applicable)

PART 3 EXECUTION

3.1 DREDGING

3.1.1 General

Dredging shall consist of the removal and satisfactory disposal of all material encountered to achieve the design section shown on the contract drawings and as specified herein. A box cut will be permitted. The extent of required dredging and control of the box cut is illustrated in the Box Cut detail attached at the end of this Section.

3.1.2 Order of Work

Contractor should use the hydrograph available on the COE Internet to schedule dredging work. While work at the Entrance "Y" may not be effected by a lower gage,

access to the borrow pit for sediment mining in Lake Salvador or dredging in Bayou Segnette may be more difficult on the lower gage. Material dredged from the Entrance "Y" shall be pumped into Disposal Area 1 until the area is full as defined by these plans and specifications. Disposal Area 1 cannot hold the total quantity of material to be dredged from the Entrance "Y." The remainder of the material dredged from the Entrance "Y" shall be pumped into the Villars Disposal Area. Although the capacity for both Disposal Areas 2 and 3 are small, the Contractor must pump into each site on at least 2 discharge points. Both Disposal Areas 2 and 3 must be pumped with material dredged from Bayou Segnette Waterway. Material that does not fit into Areas 2 and 3 shall be pumped in to Disposal Area 4 or the Villars Disposal Area.

3.1.3 Excessive Dredging

Excessive dredging is defined to be any dredging which is in excess of the required dimensions, as shown on the contract drawings. Any material removed in excess of the required dimensions will not be measured for payment. The Contractor shall be responsible for damages caused by excessive dredging. Nothing herein shall be construed to prevent payment for removal of shoals performed in accordance with the applicable provisions of the General Provision entitled "SHOALING". The Contractor shall not dredge below elevation (-) 8.0ft MLG on Bayou Segnette.

3.1.4 Slides

In the event sliding occurs in any part of any excavation after its completion but prior to its acceptance, the Contractor shall remove such portions of the slide as the Contracting Officer may direct. In the event the slide is caused through the fault of the Contractor as determined by the Contracting Officer, the slide shall be removed by the Contractor at no additional expense to the Government. In the event the slide is not due to the fault of the Contractor, payment for removal will be made at the applicable contract unit price for "Dredging."

3.1.5 Character Of Materials

The material to be removed within the required dimensions specified consists of shoaling that has occurred since the channel was last dredged and insitu material. Sand, silt, clay, shell, logs, stumps, snags, debris, and other obstructions may be encountered. Bidders are expected to examine the site of the work and, after investigation, decide for themselves the character of the materials. The Contractor shall note the following dredging jobs previously performed.

Limits	Date Dredged	Design Elevation Depth (ft-MLG)	Width Dimensions (feet)	Locations
BBWW	Oct 96	(-)15.0	100	Entrance "Y"
BSWW	Aug 05	(-) 6.0	80	Mile 0 to 1
BSWW	Jul 71	(-)6.0	80	Mile 0 to 12.2

Virgin material may be encountered above or below the channel dimensions listed above.

3.2 WORKING IN THE VICINITY OF STRUCTURES AND UTILITY CROSSINGS

3.2.1 General

The Contractor shall exercise caution when working in the vicinity of structures and utilities adjacent to the channel or disposal areas and/or pipeline crossings in the channel or disposal areas. Repair of any damage resulting from excessive or improper excavation in the bottom or on the side slopes of the channel shall be the responsibility of the Contractor. Where dredging to obtain the required dimensions might endanger any structure, the Contracting Officer, upon request, may reduce the required excavation in the vicinity of such structure.

3.2.2 Required Dimensions

The Contractor shall provide the full project dimensions over all utility crossings by whatever approved method the Contractor elects to use. The Contractor shall submit for approval by the Contracting Officer a detailed plan of operation at each pipeline or utility crossing where surveys indicate the above dimensions do not exist. The plan shall contain emergency measures to be taken in the event of an accident. The contractor shall notify the owners of pipelines or utilities by certified mail at least 7 days prior to operating within 500-feet of a pipeline or utility.

3.2.3 Existing Pipelines, Structures Or Utilities

The following pipelines, structures or utilities are located within the limits of the work. The vertical clearances listed below were furnished by the utility owners at the time permits were issued and/or from "AS-BUILTS" and are not the result of a survey made by the Government. The Contractor shall verify these locations and clearances.

Utility Or Structure	Approximate Station	Elevation M.L.G.	Name and Address Of Owner
Aerial Power Line	BSWW 709+85.02	(+)100.0	Entergy Louisiana, Inc. 1000 Harimaw Court West L-HAR-A Metairie, LA 70001 POC: Chuck Haynes 504.219.4210
16" Gas Pipeline	BSWW 774+32.24	(-)12.0	Gulf South Pipeline Company 520 Alliance Street Kenner, LA 70062 POC: Gerald Roser 504.469.5903

3.2.4 Unidentified Pipelines, Structures, Or Utilities

Any unidentified pipelines, structures, or utilities that may be found within the limits of the work, during the course of dredging shall not be disturbed nor shall excavation be performed at this location unless approved by the Contracting Officer.

3.2.5 Disposal

No dredged material shall be placed within 25 feet of any structure or utility.

3.3 DISPOSAL OF DREDGED MATERIAL

3.3.1 Dredge Material Disposal Plan

The dredged material shall be transported and deposited in the disposal areas provided by the Government as shown on the contract drawings and as specified herein. The Contractor shall submit to the Contracting Officer for review and approval a plan for disposal of dredged material a minimum of 7 days prior to commencement of the work. The Contractor shall verify that all disposal areas have adequate capacity and that retention of material is maximized. This plan shall include dredge discharge locations and the methods for protecting the integrity of the retaining dikes and disposal effluent structures.

3.3.1.1 Disposal Area 1

Disposal Area 1 as delineated on the contract drawings requires all fill material to be pumped from the Entrance "Y." Contractor shall pump material from the Entrance "Y" into the area such that dredge effluent does not exceed (+) 5.0ft MLG. Effluent waters will flow into adjacent water and over adjacent marsh.

3.3.1.2 Disposal Areas 2 and 3

Disposal Areas 2 and 3 are ridge nourishment areas. There is an existing high spoil bank along the RDB of Bayou Segnette Waterway. Contractor shall minimize disturbance to trees along the existing spoil bank. The Contractor shall pump material over the spoil bank. No dike construction is necessary. Dredged material shall not exceed 3ft above existing ground at the discharge point.

3.3.1.3 Disposal Area 4

Disposal Area 4 is an open water area defined by an existing stone dike on the RDB of Bayou Segnette Waterway and an existing timber crib structure in Lake Salvador. A baffle plate shall be installed on the discharge pipe when pumping into the area. In addition, a silt curtain shall be placed 200ft from the discharge point. The silt curtain shall extend from the stone dike to the adjacent marsh. Dredge effluent shall not exceed elevation (+)3.5ft MLG. Contractor shall exercise caution when loading the silt curtain and discharge pipe into the area. Both the stone dike and timber crib shall be returned to pre-access condition. No tracked vehicles or material storage shall be allowed onto adjacent marsh.

3.3.1.4 Villars Disposal Area

The Villars Disposal Area is an upland disposal area. Contractor shall repair existing dikes as needed for the life of the contract. All materials necessary for dike repairs shall be borrowed from within the disposal area. Effluent waters shall be directed back into Bayou Villars.

3.3.2 Prevention Of Damage

The dredged material shall be transported and deposited in such a manner as to insure that no damage will occur to growing crops, highways, levees, drainage systems, pipelines, utility lines, structures, or other marked by the Contractor with conspicuous buoys or stakes.

3.3.3 Retaining Dikes And Waste Weirs

Prior to depositing material in a disposal area, retaining dikes and waste weirs shall be constructed, strengthened and/or maintained by the Contractor as required, so that dredged material shall be confined to disposal areas. Materials necessary for earthen dike construction or maintenance shall be obtained from within the disposal area unless the Contractor makes arrangements with others for an alternate borrow source. The Contractor shall submit to the Contracting Officer for review and approval prior to construction, a typical sketch of the dike repair and/or new dike construction showing all slopes, distances, and elevations.

3.3.4 Failure Of Retaining Dikes

If the retaining dikes fail for any reason during hydraulic dredging operations, whether constructed by the Contractor or maintained by others, the Contractor shall immediately cease pumping at the site until the retaining dikes have been adequately restored or raised and the dikes can successfully fulfill the purpose for which they were intended. Any material which is deposited in any area not designated as a disposal area as a result of any such failure is the Contractor's responsibility and shall be removed at the Contractor's expense.

3.3.5 Reserved

3.3.6 Excessive Discharge Pipe Leakage

Excessive leakage of the discharge pipe or seepage at the waste weir or effluent outlet locations, at or in the immediate vicinity of the dike, shall be sufficient cause for the Contracting Officer to require the Contractor to cease pumping until corrective measures can be taken.

3.3.7 Effluent Sedimentation

In areas not yet accepted for payment or in areas not yet dredged, the Contractor shall remove all effluent sedimentation from the channel at no additional expense to the Government. In areas previously accepted for payment, and in adjacent areas of the channel where no work is required, the Contractor shall remove all effluent sedimentation from the channel within 500-feet of the point where the waste water is returned to the channel at no additional expense to the Government.

3.3.8 Deposition In Non-Approved Areas

Any material that is deposited elsewhere than in disposal areas shown on the contract drawings or approved Contractor furnished disposal areas may be required to be removed and deposited in approved areas at no additional expense to the Government. Should the Contractor refuse, or delay compliance with the above requirement, such material may be removed by the Contracting Officer, and the cost of such removal may be deducted from any money due or to become due the Contractor.

3.3.9 Protection Of Government Monuments, Markers, Or Towers

No dredged material shall be deposited on or near any Government monuments, markers, or towers such that they may become covered or destroyed. At no time shall dredging plant be anchored, moored, or attached to any Government pilings or towers along the route of work. Benchmarks in the disposal areas shall be protected by ring levees, and if material seeps through the levee, the benchmark shall be uncovered without disturbance and exposed for use.

3.3.10 Submerged Discharge Lines

If a submerged discharge line is used, it shall at no time reduce the depth and width of the existing channel in which it is placed. When the submerged pipeline is placed in shallow water and where the possibility exists for motor boats to cross the pipeline, the pipeline shall be marked at 150ft intervals for the entire length of the pipeline with Coast Guard approved fluorescent orange buoys and signs stating "DANGER SUBMERGED PIPELINE."

3.3.11 Work In The Vicinity Of Other Government Contractors

The Contractor shall coordinate his/her operations, through the Contracting Officer's Representative, with any other Government Contractors who may be working in the vicinity (i.e. locks, control structures, revetment, jetty repairs, and dike construction, etc.).

REPORT OF OPERATIONS—PIPELINE, DIPPER OR BUCKET DREDGES						REPORTS CONTROL SYMBOL ENGCR-0-13		
THRU:		TO:		FROM:		REPORT NO		
CHARACTER OF REPORT	<input type="checkbox"/> MAINTENANCE <input type="checkbox"/> NEW WORK <input type="checkbox"/> DAILY <input type="checkbox"/> STATUS <input type="checkbox"/> COMPLETION <input type="checkbox"/> ANNUAL						DATE OR PERIOD	
	NAME AND TYPE		SIZE		PIPELINE		DIPPER OR BUCKET	
DREDGE	HORSEPOWER OF DREDGE PUMP		SUCTION PIPE JET		CUTTER OR BUCKET		PROPULSION	
	NUMBER OF CREW MEMBERS		DREDGE	SHORE	OTHER PLANT	TOTAL	WORK SCHEDULE	SHIFTS PER DAY
PROJECT AND BAR	NAME			AUTH DIMENSIONS		WIDTH	DEPTH	OVERDEPTH
	LOCATION (include station numbers)							
CHARACTER OF MATERIAL	ABSOLUTE DENSITY		IN PLACE DENSITY		VOIDS RATIO			
	GRAIN SIZE		G.M.S./liter		G.M.S./liter		GEOLOGICAL CLASSIFICATION	
CONTRACT OR DREDGING ORDER	NUMBER		<input type="checkbox"/> CONTRACTOR <input type="checkbox"/> HIRED LABOR		TOTAL NO. OF DAYS ON WHICH WORK WAS DONE			
CHANNEL CONDITION	AVERAGE DEPTH		BEFORE DREDGING	AFTER DREDGING	MINIMUM SOUNDING		BEFORE DREDGING	AFTER DREDGING
	MINIMUM	TIME	MAXIMUM	TIME	GAGE LOCATION			
WEATHER CONDITION	(clear, cloudy, rain, snow, and fog)			VISIBILITY	WIND (maximum velocity & direction)			
WORK PERFORMED				DISTRIBUTION OF TIME				
ITEM	UNIT	QUANTITY		EFFECTIVE WORKING TIME (chargeable to cost of work)			HOURS	MIN.
AVERAGE WIDTH OF CUT	FEET			PUMPING OR DREDGING				
TOTAL ADVANCE THIS PERIOD	FEET			PCT. OF EFFECTIVE RENTAL TIME			%	
TOTAL ADV. PREVIOUS TO THIS PERIOD	FEET			BOOSTER (in line)			Hrs.	Min.
TOTAL ADVANCE TO DATE	FEET			NON-EFFECTIVE WORKING TIME (chargeable to cost of work)				
FLOATING PIPE	SHORE PIPE			HANDLING PIPE LINES				
TOTAL LENGTH OF DISCHARGE PIPE	FEET			HANDLING ANCHOR LINES				
AVERAGE LIFT	FEET			CLEARING PUMP AND PIPE LINE				
AVERAGE PUMP SPEED	R.P.M.			CLEARING CUTTER OR SUCTION HEAD				
AVG. DREDGED PER PUMP HR. GROSS CU. YDS.					WAITING FOR SCOWS			
SCOWS LOADED	NUMBER			TO AND FROM WHARF OR ANCHORAGE				
AVERAGE LOAD PER SCOW	CU. YDS.			CHANGING LOCATION OF PLANT ON JOB				
CUBIC YARDS REMOVED				LOSS DUE TO OPPOSING NATURAL ELEMENTS				
AMOUNT DREDGED THIS PERIOD:				LOSS DUE TO PASSING VESSELS				
(1) GROSS (computed amount)				SHORE LINE AND SHORE WORK				
(2) CREDITED (pay place)				WAITING FOR BOOSTER				
AMOUNT PREVIOUSLY REPORTED:				MINOR OPER. REPAIRS (explain in remarks)				
(1) GROSS (computed amount)				WAITING FOR ATTENDANT PLANT				
(2) CREDITED (pay place)				PREPARATION AND MAKING UP TOW				
TOTAL AMOUNT DREDGED TO DATE:				TRANSFERRING PLANT BETWEEN WORKS				
(1) GROSS (computed amount)				LAY TIME OFF SHIFT AND SATURDAYS				
(2) CREDITED (pay place)				SUNDAYS AND HOLIDAYS				
ATTENDANT PLANT				FIRE DRILL				
ITEM	NAME OR NUMBER	HOURS		MISCELLANEOUS (explain in remarks)				
				TOTAL NON-EFFECTIVE WORKING TIME				
				PCT. OF NON-EFFECTIVE RENTAL TIME			%	
				TOTAL EFFECTIVE AND NON-EFFECTIVE TIME (chargeable to cost of work)				
				PCT. OF TOTAL TIME IN PERIOD			%	
				LOST TIME (not chargeable to cost of work)				
				MAJOR REPAIRS AND ALTERATIONS				
				CESSATION				
				COLLISIONS				
				MISCELLANEOUS (explain in remarks)				
NUMBER OF INSPECTIONS:				TOTAL LOST TIME				
BY DISTRICT PERSONNEL				BY DIV & OCE PERSONNEL				
				PERCENTAGE OF TOTAL TIME			%	
CONTRACT USE ONLY				TOTAL TIME IN PERIOD				
HAS ANYTHING DEVELOPED WHICH MIGHT LEAD TO A CHANGE ORDER OR CLAIM? <input type="checkbox"/> NO <input type="checkbox"/> YES (If "YES", explain under remarks on back)								

Summary of Costs is Optional

SUMMARY OF COSTS						
ITEMS					COST	
DIRECT PLANT OPERATING COSTS						
UNIFORM DAILY RATE BASIS <i>(To be completed when submitting Status and Completion reports.)</i>						
CHARGES: _____ DAYS AT \$ _____ PER DAY <i>(Item 19, ENG Form 22 (Costs)—adjusted to exclude plant increment cost.)</i>						
▶ OR ◀						
ACTUAL PLANT COSTS <i>(To be completed when submitting Annual report.)</i>						
PAYROLLS <i>(gross)</i>					\$	
SUBSISTENCE & QUARTERS OR PER DIEM & MILEAGE					\$	
FUEL _____ BARRELS AT \$ _____ PER BARREL					\$	
WATER					\$	
LUBRICANTS					\$	
PLANT OWNERSHIP COSTS <i>(as computed below)</i>					\$	
INSURANCE					\$	
ATTENDANT PLANT					\$	
MISCELLANEOUS					\$	
SUBTOTAL—UNIFORM DAILY RATE OR ACTUAL COSTS					\$	
SUBTOTAL—PLANT UNIT COST \$ _____ PER CUBIC YARD.						
SHORE WORK						
SUBTOTAL—SHORE WORK COSTS					\$	
SUBTOTAL—SHORE WORK UNIT COSTS \$ _____ PER CUBIC YARD.						
OTHER COSTS						
SURVEYS					\$	
INSPECTION AND SUPERVISION					\$	
OVERHEAD					\$	
OTHER INDIRECT COSTS					\$	
SUBTOTAL—OTHER COSTS					\$	
SUBTOTAL—OTHER UNIT COST \$ _____ PER CUBIC YARD.						
GRAND TOTAL—ALL COSTS					\$	
GRAND TOTAL—ALL UNIT COSTS \$ _____ PER CUBIC YARD.						
OPERATING SUPPLIES				ANNUAL REPORT DATA <i>(complete when submitting Annual report)</i>		
COMMODITIES	CONSUMED		INVENTORY		COST PER RENTAL MINUTE <i>(Based on total operating cost)</i>	\$ _____ per min.
	UNIT	QUANTITY	QUANTITY	VALUE		
FUEL <i>(oil)</i>	BBLs				TOTAL COST OF PLANT <i>(End of F.Y. reporting period)</i>	\$
LUBRICANT <i>(oil)</i>	GAL				BOOK VALUE <i>(End of F.Y. reporting period)</i>	\$
LUBRICANT <i>(grease)</i>	LBS				BALANCE IN PLANT ACCOUNT <i>(End of F.Y. reporting period)</i>	\$
WATER	GAL				PLANT OWNERSHIP COSTS <i>(Actual for F.Y. reporting period):</i>	
					DEPRECIATION	\$
					REPAIRS <i>(Adjusted)</i>	\$
					CESSATION OF WORK	\$
					SMALL TOOLS, ETC.	\$
SUBSISTENCE SUPPLIES						
MISCELLANEOUS SUPPLIES						
TOTAL				\$	TOTAL	\$
REMARKS						
SUBMITTED BY <i>(Name, title, and signature)</i>			RECOMMENDED BY <i>(Name, title, and signature)</i>		APPROVED BY <i>(Name, title, and signature)</i>	

DREDGE AND ATTENDANT PLANT DATA SHEET

Submittal Date: _____

In compliance with the contract requirements to submit plant data and subject to all conditions thereof, the undersigned _____ a corporation/joint venture/individual (indicate appropriate status) organized and existing under the laws of the City of _____ and the State of _____, hereby correctly describes the Contractor's plant to the Government, which is performing work under the following named contract _____ and Contract No.: _____.

Signed: _____
Certifying Officer of the Contractor's Firm
Title: _____

One cutterhead dredge and attendant plant with the following characteristics (in English units of measurement):

1. DREDGE INFORMATION:

- (a) Bid lot number: _____
- (b) Dredge name: _____ Dredge USCG official number: _____
- (c) Minimum width of channel in which dredge can successfully operate and make a 180 degree turn around: _____
- (d) Maximum draft of dredge: _____
- (e) Loaded freeboard: _____
- (f) Minimum depth of both freshwater and saltwater in which the dredge can successfully operate: _____
- (g) Depth range to which dredge will dig:
Maximum: _____, Minimum: _____
- (h) Maximum effective dredge swing, in degrees: _____
- (i) Length of dredge spuds: _____
- (j) Length and beam of dredge hull: _____
- (k) Length of dredge ladder: _____
- (l) Length of suction and boat lines: _____
- (m) Inside diameter of pump discharge: _____
- (n) Inside diameter of pump suction inlet: _____
- (o) Suction lift (Elevation of main dredge pump relative to the water surface level): _____
- (p) Diameter of main pump impeller eye: _____

- (q) Outside diameter of main pump impeller: _____
- (r) Brake horsepower and corresponding engine RPMs (during dredging operations) applied to main pump impeller at rated drive of the prime mover, during dredging operations: _____
- (s) Inside diameter of submerged pump discharge: _____
- (t) Inside diameter of submerged pump suction inlet: _____
- (u) Suction lift (Elevation of submerged dredge pump relative to the water surface level): _____
- (v) Diameter of submerged pump impeller eye: _____
- (w) Outside diameter of submerged pump impeller: _____
- (x) Brake horsepower and corresponding engine RPMs (during dredging operations) applied to submerged pump impeller at rated drive of the prime mover, during dredging operations: _____
- (y) Cutterhead type and diameter: _____
- (z) Brake horsepower applied to cutterhead during dredging operations: _____
- (aa) Pump engine(s) horsepower and corresponding RPM: _____
- (ab) Completion date of each dredge pump engine re-build: _____
- (ac) Type(s) of production rate monitoring equipment on-board the dredge (measuring cy/hr of material dredged): _____
- (ad) Indicate type of dredge advance mechanism (e.g. walking spuds, spud carriage or wires, etc.): _____

2. BOOSTER PLANT INFORMATION:

- (a) Length of suction and boat lines: _____
- (b) Inside diameter of pump discharge: _____ (This item must agree with the bid lot used.)
- (c) Inside diameter of pump suction inlet: _____
- (d) Suction lift (Elevation of booster pump relative to the water surface level): _____
- (e) Diameter of pump impeller eye: _____
- (f) Outside diameter of pump impeller: _____
- (g) Brake horsepower and corresponding engine RPMs (during dredging operations) applied to pump impeller at rated drive of the prime mover, during dredging operations: _____
- (h) Pump engine(s) horsepower and corresponding RPM: _____
- (i) Completion date of booster pump engine re-build: _____

3. TENDER NO. 1:

- (a) Name: _____
- (b) Length and beam: _____
- (c) Owner, name and address: _____

(d) Total propulsion horsepower: _____

(e) The tender may be inspected at the following location:

4. TENDER NO. 2:

(a) Name: _____

(b) Length and beam: _____

(c) Owner, name and address: _____

(d) Total propulsion horsepower: _____

(e) The tender may be inspected at the following location:

5. SURVEY BOAT:

(a) Name: _____

(b) Length and beam: _____

(c) Owner, name and address: _____

(d) Total propulsion horsepower: _____

6. SURVEY SKIFF:

(a) Length and beam: _____

(b) Owner, name and address: _____

7. PICKET BOAT:

(a) Name: _____

(b) Length and beam: _____

(c) Owner, name and address: _____

(d) Total propulsion horsepower: _____

8. CREW BOAT:

(a) Name: _____

(b) Length and beam: _____

(c) Owner, name and address: _____

(d) Total propulsion horsepower: _____

9. ELECTRONIC POSITIONING EQUIPMENT: (Model And Type)

10. DEPTHSOUNDER: (Model and Type) _____

11. DREDGE OWNER INFORMATION:

Firm name _____
Point of contact _____

Title _____
Business address:
Street _____
City _____
Parish/County _____
State _____ Zip + 4 _____
Telephone no. (_____) _____
Facsimile no. (_____) _____

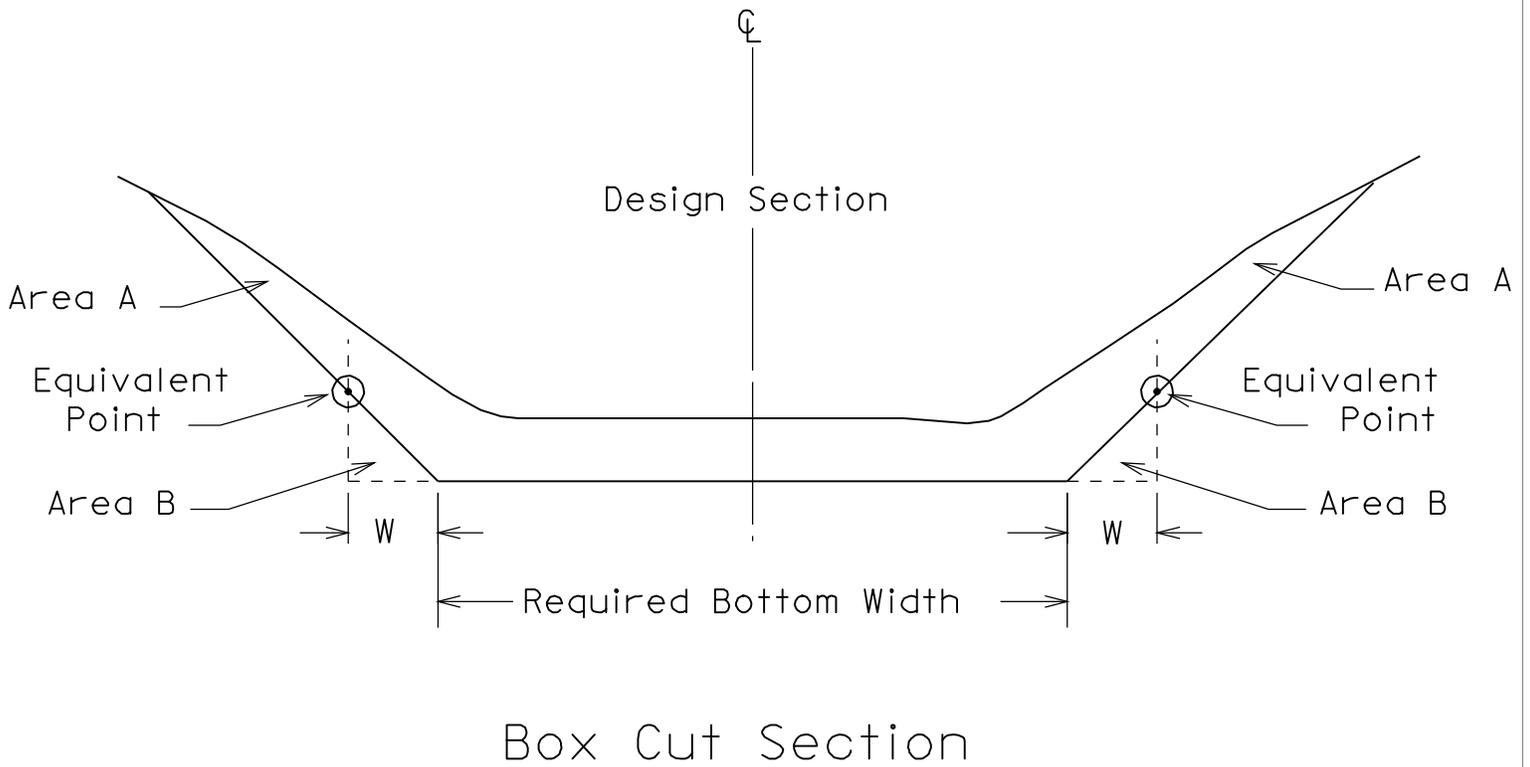
Additional signature blocks to be used for joint venture partner(s):

Firm name _____
Point of contact _____

Title _____
Business address:
Street _____
City _____
Parish/County _____
State _____ Zip + 4 _____
Telephone no. (_____) _____
Facsimile no. (_____) _____

Firm name _____
Point of contact _____

Title _____
Business address:
Street _____
City _____
Parish/County _____
State _____ Zip + 4 _____
Telephone no. (_____) _____
Facsimile no. (_____) _____



Definitions:

Equivalent Point - That point on each side slope where the area above the point (Area A) equals the area below the point (Area B)

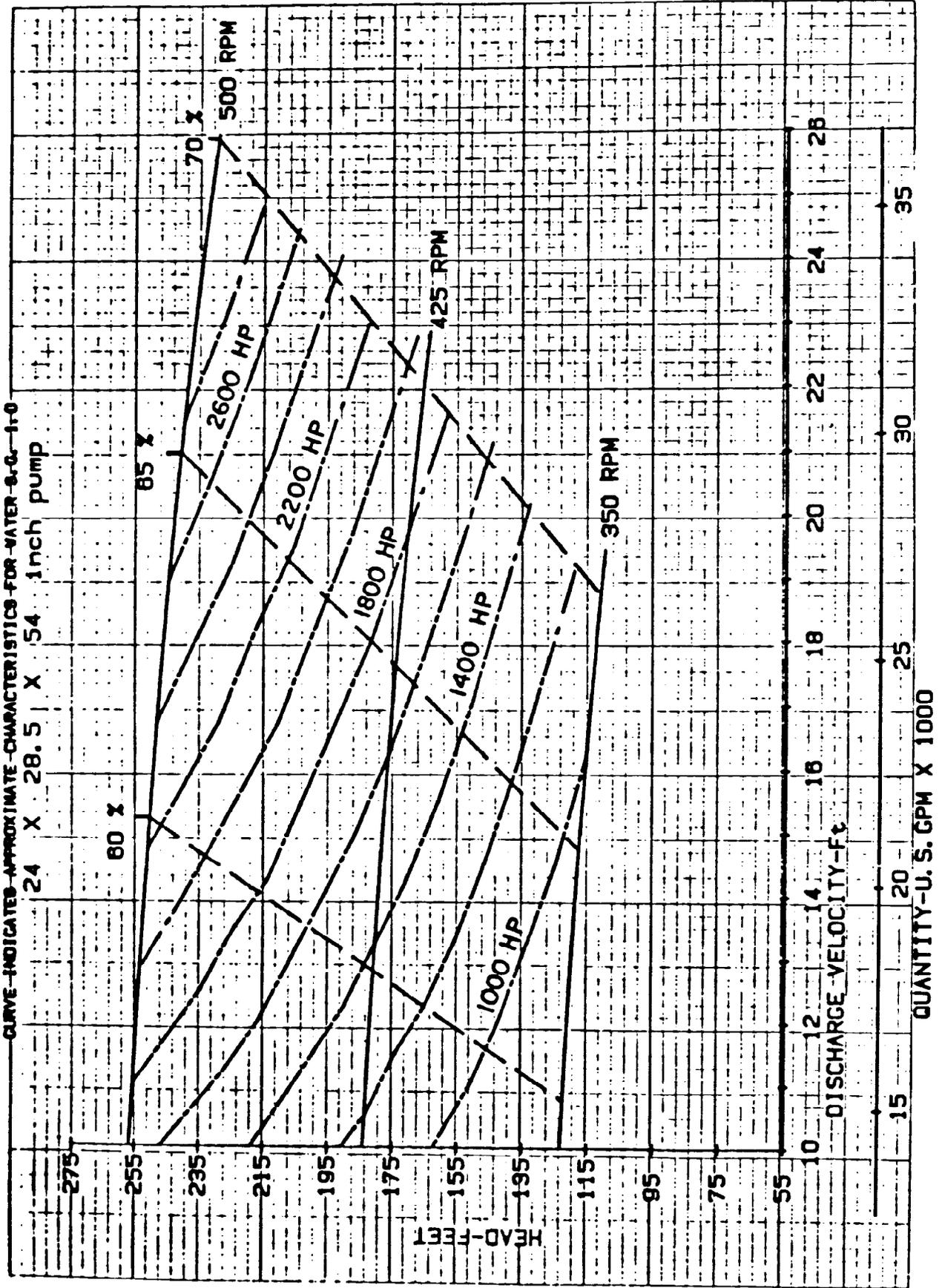
W - That additional width on each side of the required bottom width, that is determined by the location of the equivalent point, necessary to make Area A = Area B

Contract Number: 99-C-XXXX

Dredge Name: _____

Pump Function: (main, ladder, or booster, etc.) _____

MANUFACTURER'S PERFORMANCE CURVE



DISCHARGE VELOCITY - FT
 QUANTITY - U. S. GPM X 1000