AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT					ID CODE	PAGE OF PAGES		
AMENDMENT OF SOLICITA	TION/MODIF	ICATION OF CONTRACT				1 34		
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	NO.			CTNO.(Ifapplicable)		
0002	24-May-2018							
6. ISSUED BY CODE	W9126G	7. ADMINISTERED BY (Ifother than item 6)		COL	DE			
US ARMY CORPS OF ENGINEERS FORT WORTH 2000 FORT POINT ROAD GALVESTON TX 77550-1229		See Item 6						
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, S	State and Zip Code)	Х	9A. AMENDMI W9126G18B00	ENT OF S	OLICITATION NO.		
			Х	9B. DATED (SE 18-May-2018	EE ITEM	11)		
				10A. MOD. OF	CONTRA	ACT/ORDER NO.		
CODE		10B. DATED (SEE ITEN	M 13)				
	FACILITY COD THIS ITEM ONLY A	PPLIES TO AMENDMENTS OF SOLI	CIT	ATIONS				
X The above numbered solicitation is amended as set forth	in Item 14. The hour and o	date specified for receipt of Offer	Х	is extended,	is not ex	tended.		
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 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. Ifby virtue of this amendment you desire to change an offer already submitted, such change may be made by telegramor letter, provided each telegramor letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.								
12. ACCOUNTING AND APPROPRIATION DA	TA (If required)							
IT MODII	FIESTHE CONTRAC	O MODIFICATIONS OF CONTRACTS T/ORDER NO. AS DESCRIBED IN ITI	ΞM	14.				
A. THIS CHANGE ORDER IS ISSUED PURSU CONTRACT ORDER NO. IN ITEM 10A.	ANT TO: (Specify at	nthority) THE CHANGES SET FORTH	IN	ITEM 14 ARE M	IADE IN	THE		
B. THE ABOVE NUMBERED CONTRACT/O					as changes	s in paying		
C. THIS SUPPLEMENT AL AGREEMENT IS	ENTERED INTO PU	RSUANT TO AUTHORITY OF:						
D. OTHER (Specify type of modification and a	uthority)							
E. IMPORTANT: Contractor is not, 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 purpose of this amendment is shown on the pages following:								
See pages following:								
THE BID OPENING DATE IS EXTENDED TO 12 JUN 2018 @ 2:00 P.M. LOCAL TIME								
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		16A. NAME AND TITLE OF CO	_			e or print)		
		TEL:		EMAIL:		• /		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNEI	16B. UNITED STATES OF AME	RIC	A	1	6C. DATE SIGNED		
		BY						
(Signature of person authorized to sign)		(Signature of Contracting Of	fice	r)				

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

1. THE SPECIFICATIONS FOR SOLICITATION NO. W9126G18B0019, WEST FORK SAN JACINTO RIVER IN HARRIS COUNTY, TEXAS, EMERGENCY DEBRIS REMOVAL, ARE HEREBY AMENDED AS FOLLOWS:

THE PROPOSAL DUE DATE IS HEREBY RESCHEDULED FOR 12 JUNE 2018 AT 2:00 P.M. CDT.

- a) Changes by narrative.
 - (1) SECTION 00 72 00 CONTRACT CLAUSES

The following have been deleted from Section 00 72 00:

- (a) 52.211-10
- (b) 52.211-12
- (c) 52.236-1

See these clauses in the specifications, Section 00 73 00.01 45.

- b) Specifications.
 - (1) <u>SECTION 35 20 23.16 45</u>, <u>DREDGING</u>—The enclosed SECTION 35 20 23.16 45, entitled DREDGING, supersedes that issued with this Solicitation.
- c) Drawings.
 - (1) <u>DRAWING NOS. G-002, C-001, C-102, C-103, C-301, C-302, C-303, C-312, AND C-313</u> Drawing Nos. G-002, C-001, C-102, C-103, C-301, C-302, C-303, C-312, and C-313 supersede those issued with this Solicitation.
- d) Additional Data.
- (1) All survey data collected for this solicitation are available for download at the following link: http://www.swg.usace.army.mil/Business-With-Us/Emergency-Management-Office/
 - (a) Located on the right side of the page under the heading "SAN JACINTO RIVER SURVEY"
 - (2) List of attendees of the Industry Day teleconference, entitled "A3.2.2_18B0019 (Industry Day Attendee List)" is in addition to the documents issued with this amendment.
- 2. This amendment shall be attached to and become a part of the solicitation.
 - 3 Encls:
 - 1. SECTION 35 20 23.16 45, DREDGING
 - 2. DRAWING NOS. G-002, C-001, C-102, C-103, C-301, C-302, C-303, C-312, AND C-313
 - 3. A3.2.2 18B0019 (Industry Day Attendee List)

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ATTACHMENTS:

Appendix 1 - QUANTITY SUMMARY TABLE

-- End of Section Table of Contents --

SECTION 35 20 20.00 45

DREDGING AMENDMENT NO. 0002

PART 1 GENERAL

1.1 SUMMARY

The work in this Section consists of furnishing plant, labor, materials, and equipment to perform the operations necessary for the removal of sediment debris to the required dimensions shown, satisfactory disposal thereof, and other operations incidental thereto. The Contractor may use either a pipeline or mechanical dredge, or combination of both, in performing the work. All dredged materials must be placed in the Placement Areas designated in this Contract.

1.2 MEASUREMENT AND PAYMENT

Measurement and payment for dredging will be paid for in accordance with provisions of the SECTION 01 22 00.10 MEASUREMENT AND PAYMENT.

1.3 WORK COVERED BY CONTRACT PRICE

Base bids on the quantity of dredging indicated. If the total quantity of dredging varies from that specified as the basis for bidding, the Contract price will be adjusted in accordance with the CONTRACT CLAUSE entitled CHANGES. The dredging conditions specified and indicated describe conditions which are known. However, the Contractor is responsible for other conditions encountered which are not unusual when compared to the conditions recognized in the dredging business as usual in dredging activities such as those required under this Contract. The Contract price for dredging will include the cost of removal and placement of the material as specified in the Paragraphs: CHARACTER OF MATERIAL and PLACEMENT OF EXCAVATED MATERIAL. The Contract price for dredging will include the costs for maintenance of dikes and ditches necessary to confine the material within the areas shown.

1.3.1 Existing Conditions

The drawings already prepared as specified in the CONTRACT CLAUSES
Paragraph entitled CONTRACT DRAWINGS AND SPECIFICATIONS represent
conditions existing as of the date of their preparation using average
existing conditions. Survey data has been posted to EM Public website:
http://www.swg.usace.army.mil/Business-With-Us/Emergency-Management-Office/
However, to reflect anticipated shoaling occurring between the dates of
preparation of the drawings and the dates of the "before-dredging"
sections, the estimated dredging quantities stated in the Bid Schedule
have been adjusted accordingly. The depths and elevations shown will be
verified and corrected by fathometer soundings taken by the Government
before dredging. The Government will normally use a frequency of 200 kHz
to conduct hydrographic surveys. If the surveys indicate the presence of
fluff in the channel, a frequency of 40 kHz will be used. Determination
of quantities removed and the deductions made from them to determine
quantities by in-place measurement to be paid for in the area specified,

after having once been made will not be reopened, except on evidence of collusion, fraud, or obvious error.

1.4 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

U.S. ARMY CORPS OF ENGINEERS (USACE)

EM 385-1-1

(2014) Safety and Health Requirements Manual

1.5 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. Submit the following in accordance with SECTION 01 33 00 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

Notification Prior To Commencement of Dredging Operations; G

Indicate commencement of dredging operations, and location of dredge(s).

Pre-Dredge Hazard Survey; G

Prior to commencing dredging activities, perform a hazard survey. Search for uncharted pipeline, cables, obstruction and/or adverse unforeseen subsurface anomalies. Hazard survey may be supplemented with probing as required to determine depth of uncharted hazards/obstructions. Contractor shall be solely responsible for determining necessary extent and methods of pre-dredge hazard survey.

Provide the results of the pre-dredge hazard survey, to include summary of findings, interpretation of any located anomalies, and impacts to planned dredging.

SD-02 Shop Drawings

Pipeline Route; G

A detailed pipeline diagram for each Placement Area detailing the pipeline route and anchor locations are to be submitted prior to commencing work on this project.

Haul Route; G

SD-06 Test Reports

Report to be be submitted as specified.

1.6 CHARACTER OF MATERIAL

Sediment debris consists of sandy material which has accumulated as a result of Hurricane Harvey. However, some virgin material may be encountered. Bidders are expected to examine the worksite and after investigation decide for themselves the character of materials.

1.7 UTILITIES ACROSS THE LIMITS OF DREDGING

It is the Contractor's responsibility to investigate the location of utility crossings. The Contractor is to take precautions against damages which can result from dredging operations in the vicinity of the utility crossings. If damage occurs as a result of dredging operations, the Contractor will be required to suspend dredging until the damage is repaired and approved. Costs of these repairs and downtime of the dredge and attendant plant is to be at the Contractor's expense.

1.7.1 Known Pipeline/Utility Crossings

There are pipelines and or utilities which are near or within the work limits. The following pipeline/utilities cross the area(s) to be dredged:

Approximate Location	Permit No.	Description	Owner
LAT:30.022658, LONG:-95.222781	774710	One 4.5-inch pipeline	Shell Pipeline Company LP
STA: 616+00	N/A	Overhead Powerline	CenterPoint Energy

The list of utility/pipeline crossings may not be all inclusive. It shall be the Contractor's responsibility to review all contract documents and ensure that all utility/pipeline crossings are identified. Furthermore, the Contractor shall perform their due diligence to identify all known pipeline crossings and ensure the work area is cleared for dredging operations prior to commencement of dredging in each particular reach. The Contractor shall submit evidence to the COR attesting to the Contractor's efforts in locating utility/pipeline crossings.

THE FOLLOWING IS FURNISHED FOR INFORMATION ON VERIFYING PIPELINE OWNERSHIPS:

Lonestar Notification Center
1-800-545-6005 or online at www.Lonestar811.com

Texas 811 (Dig-Tess) 1-800-344-8377

1.8 ORDER OF WORK

The Contractor may commence dredging in the order desired. The Government reserves the right to change the order of work at any time.

1.9 OBSTRUCTION OF RIVER

The waters to be dredged are not navigable but the Contractor is cautioned of the possible presence of recreational boats in the area. Multiple dredges may be allowed on this Contract but be minded of these boats. Upon

completion of the work, promptly remove plant, including ranges, buoys, piles, and other marks placed under this Contract.

1.10 NOTIFICATION PRIOR TO COMMENCEMENT OF DREDGING OPERATIONS

Notify the Resident Engineer, Houston, in writing, at least 10 days prior to commencement of dredging operations, the location or locations at which a dredge or dredges will be placed on the work. This information is required in addition to the progress charts and schedule provided for in the CONTRACT CLAUSE entitled SCHEDULE FOR CONSTRUCTION CONTRACTS.

1.11 SIGNAL LIGHTS

Display signal lights and conduct operations in accordance with the General Regulations of the Department of the Army and of the U.S. Coast Guard governing the:

- i) lights and day signals to be displayed by towing vessels with tows on which no signals can be displayed, vessels working on wrecks, dredges, and vessels engaged in laying cables or pipe or in submarine or bank protection operations;
- ii) lights to be displayed on dredge pipe lines;
- iii) day signals to be displayed by vessels of more than 65 feet in length moored or anchored in a fairway or channel;
- iv) and the passing by other vessels of floating plant working in navigable channels

as set forth in United States Coast Guard publication entitled Navigation Rules and Regulations Handbook. Web site location: http://www.navcen.uscg.gov/?pageName=navRuleChanges

1.12 PLANT

1.12.1 General Requirements

Keep the necessary dredge equipment and attendant plant on the job to meet the requirements of the work. The dredge equipment and attendant plant is to be in satisfactory operating condition and capable of safely and efficiently performing the work as set forth in specifications and be subject to inspection by the Contracting Officer's representative at all times.

1.12.2 Capacity

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

1.13 INSPECTION

The Government will supervise the maintenance of the gages, ranges, location marks, and limit marks in proper order and position; but the presence of the inspector will not relieve the Contractor of responsibility for the proper execution of the work in accordance with the

specifications. The Contractor is required to furnish the following items.

1.13.1 Equipment

At the request of the Government, the Contractor will furnish the use of boats, boatmen, laborers, and material forming a part of the ordinary and usual equipment and crew of the dredging plant as may be reasonably necessary in inspecting and supervising the work. However, the Contractor will not be required to furnish facilities for the surveys, specified in the Paragraph: FINAL EXAMINATION AND ACCEPTANCE.

1.13.2 Transportation

At the request of the Government, the Contractor shall furnish suitable transportation from all points on shore designated by the Contracting Officer to and from the various pieces of plant, and to and from the Placement Areas. If the Contractor refuses, neglects, or delays compliance with these requirements, the specific facilities may be furnished and maintained by the Contracting Officer, and the cost thereof will be deducted from the amounts due or to become due the Contractor.

1.14 FINAL EXAMINATION AND ACCEPTANCE

As soon as practicable after the completion of the entire work or any section thereof, if the work is divided into sections and in the opinion of the Contracting Officer will not be subject to damage by further operations under this Contract, this work will be thoroughly examined at the expense of the Government by sounding or by sweeping, or both, as directed. If shoals, lumps, or other lack of Contract depth are disclosed by this examination, the Contractor will be required to remove same by dragging the bottom or by dredging at the Contract rate for dredging but, if the bottom is soft and the shoal areas are small and form no material major obstruction to water flow, the removal of the shoal may be waived at the discretion of the Contracting Officer. The Contractor or its authorized representative will be notified when soundings or sweepings are to be made and will be permitted to accompany the survey party. When the area is found to be in a satisfactory condition it will be accepted finally. If more than two sounding or sweeping operations by the Government over an area are necessary, by reason of work for the removal of shoals disclosed at a prior sounding or sweeping, the cost of the third and any subsequent sounding or sweeping operations will be charged against the Contractor at the rate of \$6,731.02 per day for each day in which the Government plant is engaged in sounding or sweeping or is enroute to or from the site or held at or near the site for these operations.

1.14.1 Acceptance

Final acceptance of the whole or a part of the work and the deductions or corrections of deductions made thereon will not be reopened after having once been made, except on evidence of collusion, fraud, or obvious error, and the acceptance of a completed section will not change the time of payment of the retained percentages of the whole or any part of the work.

1.15 SHOALS

If, before this Contract is completed, shoals occur in a section previously accepted, redredging at the Contract price, within the limit of available funds, may be done if agreeable to both the Contractor and the

Contracting Officer.

1.16 UNANTICIPATED SHOALING

During the course of this Contract, unanticipated dredging requirements may develop that require the use of the Contractor and Contractor's plant. The dredging required would be similar in scope to that required under the current contract. Dredging would consist of limited portions of a section of channel, intended to remove critical shoals. If such a need arises, the Contracting Officer may issue a Request for Proposal for the work under the CONTRACT CLAUSE entitled CHANGES, and the work performed upon the execution of a bilateral contract modification.

1.17 VARIATIONS IN ESTIMATED QUANTITIES - DREDGING

Where the quantity of a pay item in this Contract is an estimated quantity and where the actual quantity of material within the required dredging prism varies, an equitable adjustment will be processed in accordance with FAR 52.211-18, VARIATION IN ESTIMATED QUANTITY (April 1984). The equitable adjustment applies only to the quantity within the required dredging prism, which does not include the allowable overdepth.

If the total quantity of material to be paid for and actually removed under this Contract exceeds the limit established by FAR 52.211-18, VARIATION IN ESTIMATED QUANTITY (April 1984), an additional time will be allowed at the rate of 1 calendar day for each 10,000 cubic yards in excess of the established limit. The Contractor is not to exceed the estimated quantities in the Contract Line Items without prior authorization and only with a signed modification issued by the Contracting Officer.

1.18 QUANTITY SURVEYS

1.18.1 General

Quantity surveys are to be conducted, and the data derived from these surveys are to be used in computing the quantities of work performed and the actual construction completed and in place.

1.18.2 Dredging Sections

The Government will conduct the original and final surveys and make the computations based on them. The Contractor is to conduct the surveys for the periods when progress payments are requested and make the computations based on these surveys. Surveys conducted by the Contractor will be conducted under the direction of the Contracting Officer, unless the Contracting officer waives this requirement in a specific instance.

1.18.3 Submittals

Promptly upon completing a survey, submit the originals of every field note and other record relating to the survey or to the layout of the work in accordance with the SECTION 01 33 00 SUBMITTAL PROCEDURES. The Contracting Officer will use them as necessary to determine the amount of progress payments. Retain copies of submitted material.

1.19 CONTINUITY OF WORK

No payment will be made for work done in an area designated by the

Contracting Officer until the full depth required under this Contract is secured in the whole of this area, unless prevented by ledge rock, nor will payment be made for excavation in an area not adjacent to and in prolongation of areas where full depth has been secured except by decision of the Contracting Officer. If a non-adjacent area is excavated to full depth during the operations carried on under this Contract, payment for the work therein may be deferred until the required depth has been reached in the area intervening. The Contractor may be required to suspend dredging when the gages or ranges cannot be seen or properly followed.

PART 2 PRODUCTS

2.1 BRIDGE-TO-BRIDGE RADIOTELEPHONE EQUIPMENT

Dredge and self-propelled attendant floating plant is to be radiotelephone equipped to comply with the provisions of the Vessel Bridge-to-Bridge Radiotelephone Act (Public Law 92-63). This will require, as a minimum, the radiotelephone equipment capable of transmitting and receiving on 156.65 MHz (Channel 13). Multi-channel equipment will also require 156.8 MHz (Channel 16). Dredge tugs and tenders will be considered towing vessels within the meaning of the Act.

PART 3 EXECUTION

3.1 ESTIMATED QUANTITY OF MATERIAL

Within the limits of available funds, the Contractor will be required to excavate the entire quantity of material necessary to complete the work specified whether the quantities involved are greater or less than those estimated except that the Contractor is not expected to dredge virgin or stiff clay material. The work is to be done in accordance with this Contract and at the Contract price or prices, subject to the provisions of the Paragraph entitled VARIATIONS IN ESTIMATED QUANTITIES - DREDGING.

3.1.1 Quantity Summary

The quantities listed in Appendix 1 - QUANTITY SUMMARY TABLE include the volumes present at the time of the surveys indicated on the Contract drawings, plus anticipated shoaling before dredging begins. For the purpose of acceptance, the dredging work in the Bid Item(s) of the Bidding Schedule are divided into Sections.

3.1.2 Required Dredging Prism

The total estimated amount of material to be removed from within the specified limits, including side and end slopes and including anticipated shoaling occurring prior to the dates of the "before-dredging" surveys but excluding overdepths, in cubic yards is listed in Appendix 1 - QUANTITY SUMMARY TABLE. If virgin or stiff clay materials are encountered, the Contractor shall reduce the depth of dredging such that only sandy material is removed even if the required prism limits have not been reached and the Contracting Officer must be notified immediately.

3.1.3 Allowable Overdepth

To cover unavoidable inaccuracies of the dredging process, material actually removed from the designated areas to be dredged, will be measured and paid for at full Contract price. The maximum amount of allowable overdepth dredging is estimated, including anticipated shoaling occurring

prior to the dates of the "before-dredging" surveys in cubic yards is listed in Appendix 1 - QUANTITY SUMMARY TABLE.

3.1.4 Side And End Slopes

Dredging of the side and end slopes are to follow, as closely as practicable, the lines indicated or specified. Material actually removed from within the limits as approved, to provide for final side and end slopes as specified, but not in excess of the amounts originally above the limiting side and end slopes will be estimated and paid for, whether dredged in original position or by dredging the space below the pay slope plane at the bottom of the slope for upslope material capable of falling into the cut. In computing the limiting amount of side and end slope dredging, net dimensions, without allowance for overdepth, will be used.

3.1.5 Excessive Dredging

Material taken from beyond the limits specified will be deducted from the total amount dredged as excessive overdepth dredging or excessive side or end slope dredging, for which payment will not be made. Nothing herein is to be construed to prevent payment for the removal of shoals performed in accordance with the applicable provisions of the Paragraph FINAL EXAMINATION AND ACCEPTANCE or Paragraph SHOALING.

3.2 AREAS TO BE DREDGED

Based on information currently available to the Government, areas known to require dredging are shown in the plans.

3.3 CONDUCT OF DREDGING WORK

3.3.1 Protection of Existing Waterways

Conduct dredging operations using a method that will ensure that material or other general debris are not pushed outside of the dredging limits or otherwise deposited in existing side channels, basins, docking areas, or other areas being used by vessels. The Contractor will be required to change its method of operations as may be required to comply with the above requirements. If bottom material or other general debris is pushed into areas noted above, as a result of the Contractor's operations, the same is to be promptly removed by and at the expense of the Contractor to the satisfaction of the Contracting Officer.

3.3.2 Adjacent Property and Structures

No dredging will be permitted within 100 feet from the West Lake Houston bridge, unless otherwise noted or shown, and 25 feet from other structures. Damage to structures as a result of Contractor's negligence will result in suspension of dredging and require prompt repair at the Contractor's expense as a prerequisite to the resumption of dredging. Where dredging to obtain the required dimensions might endanger a structure, the Contracting Officer, upon request, may reduce the required excavation in the vicinity of this structure. Do not use banklines to support the dredging operation as this could negatively impact the vegetation, wildlife, or private property. Do not place equipment on shorelines unless approved by the Contracting Officer and the property owner.

3.4 PLACEMENT OF EXCAVATED MATERIAL

3.4.1 Placement Area

Two sandpit locations have been designated as placement areas for the sediment debris, Placement Area (PA)1, at or near 20550 Townsen Blvd., Humble, Texas (Lat. 30^ 01' 03.39" North, Long. 92 14 56.54" West) and Placement Area (PA)2 near 27220 Sorter Road, Porter, Texas (Lat. 30^ 02' 45.49" North, Long. 95^ 15' 45.82" West).

PA1 has a calculated capacity of approximately 230,000 CY when filled to the existing surrounding ground. PA2 has an undetermined capacity, but it is estimated that it exceeds the placement requirements.

Sediment debris excavated or dredged mechanically must be placed in PA1. PA1 shall be filled to the surrounding existing ground elevation. After completion of placement in PA1, fill is to be graded to prevent ponding and to drain toward the San Jacinto River and adjacent waters.

3.4.2 General

Material excavated is to be transported to and deposited in the Placement Area designated. Inspect the Placement Area to ensure that using the Area for placement operations will not place it in violation of the applicable Federal, State, or local statutes concerning fish and wildlife. Particular statutes which the Contractor should consider include, but are not limited to, the Federal Migratory Bird Treaty Act and the Endangered Species Act of 1973.

3.4.2.1 Misplaced Material

Material will not be deposited or allowed to flow into project channels or into a bayou, stream tributary to the Channel, or into an existing drainage outlet ditch, canal, water intake or outlet facility, nor will materials be allowed to flow onto improved areas including highways and roads in or adjacent to the Placement Area. If a stream, bayou drainage outlet, ditch, canal, water intake or outlet facility becomes shoaled as a result of the dredging or placement operations, promptly remove these shoals and the material will be placed in the Placement Area. Dragging or washing operations to remove the shoals will not be permitted.

3.4.2.2 Placement Operations Inspection

Adequately inspect placement operations in the Placement Area(s) daily to reduce the possibility of spillage of dredged materials outside the Area and to verify proper drainage of the effluent.

3.4.2.3 Placement Area Drainage

Trenches or culverts are to be constructed within the right-of-way to provide proper outfall for the placement areas. Contractor is to ensure deposited materials will not impede natural drainage and that at least two feet of freeboard are maintained (AM#2)except when filling the last 4 feet of PA 1. The trenches are to be of adequate number and size to drainage capacity equal or larger than the material been deposited (water plus soil) in the Placement Areas.

3.5 PRESERVATION OF PUBLIC AND PRIVATE PROPERTY

3.5.1 Damages

Fences, roads, ditches, private or public grounds, and other structures or improvements damaged as a result of the Contractor's operations herein specified are to be repaired or rebuilt at the Contractor's expense. The areas used by the Contractor in laying and maintaining pipelines are to be restored to the same or as good a condition as existed prior to commencement of the work. Upon completion of the work trenches and bank cuts are to be backfilled to original ground level.

3.5.2 Accountability and Restoration

Preserve and protect the existing informational and directional signs, camp facilities, water wells and tanks, station markers, mile markers, and mooring piles which have been established along either bank of the Waterway within the reaches of the dredging operations covered herein. The Contractor will be accountable for and will be required to replace or restore at its expense the signs, camp facilities, water wells and tanks, markers, and mooring piles damaged or destroyed as a result of dredging operations herein specified.

3.6 METHOD OF PLACEMENT

Deposit dredged material by either hydraulic or mechanical process.

Pipeline for hydraulic dredging is to discharge into the Placement Area as shown or indicated.

3.6.1 Pipeline Route

Submit a Pipeline Route Plan 5 days prior to the start of work. The Plan will define the pipeline routes the Contractor expects to use. Pipeline routes will be subject to approval.

3.6.2 Haul Route

Submit a haul route 5 days prior to the start of work. The plan will define the haul routes the Contractor expects to use. Haul Routes are subject to approval. Video record local roads that are part of the Haul Route, particularly those in some state of deterioration. Submit copy of the video to the Contracting Officer.

3.7 DISPOSAL IN PLACEMENT AREA

3.7.1 Unauthorized Placement of Material

Excavated material that is deposited elsewhere than in places designated or approved will not be paid for and the Contractor may be required to remove the misplaced excavated material and deposit it where directed at Contractor's expense.

3.8 DREDGE PIPELINES

Plainly mark the pipeline access routes with conspicuous stakes, targets and buoys which are to be maintained throughout this Contract period. The pipeline is to be inspected at least twice daily for leaks. Reference the SECTION 01 35 26.01 45 GOVERNMENTAL SAFETY REQUIREMENTS for additional dredge pipeline safety requirements.

3.8.1 Submerged Pipeline Lighting Requirements

Lighted buoys, meeting the requirements of the U.S. Coast Guard Regulation 33 C.F.R. 62.25 Lateral marks, are to be provided by the Contractor to mark the navigation opening. A red buoy exhibiting a quick flashing red light is to be used to mark the right side of the opening and a black buoy exhibiting a quick flashing green light is to be used to mark the left side of the opening. The frequency of the flashes are to be not less than 60 per minute. "Right side" and "left side" of the opening is to be in conformance with the lateral system of buoyage established by the U.S. Coast Guard. Requirements for lighted buoys and description of the lateral system of buoyage will be found in the U.S. Coast Guard Publication entitled "Aids to Navigation." Lights to be displayed on pipelines are to be in accordance with the U.S. Coast Guard Regulation 33 CFR 84 Annex 1: Positioning and Technical Details of Lights and Shapes: http://www.ecfr.gov/cgi-bin/text-idx?SID=af0fba13c030ab68deca2ccd17a 3493a&node=pt33.1.84&rgn=div5.

3.8.2 Floating Pipeline

If the Contractor's pipeline does not rest on the bottom, it will be considered a floating pipeline and is to be visible on the surface and clearly marked. The Contractor's pipeline is not to be allowed to fluctuate between the surface and the bottom, or to lie partly submerged. Lights are to be installed on the floating pipeline as required in the Paragraph: SIGNAL LIGHTS. The lights are to be supported either by buoys or by temporary piling, provided by the Contractor and approved by the Government. Where the pipeline does not cross a navigable channel, the flashing yellow all-around lights are to be spaced not over 200 feet apart, unless closer spacing is required by U.S. Coast Guard personnel, in which case the requirements of the U.S. Coast Guard will govern, at no additional cost to the Government. Floating pipelines are to also be in accordance with SECTION 01 35 26.01 45 GOVERNMENTAL SAFETY REQUIREMENTS.

3.8.3 Pipeline Leaks

If a leak occurs in the discharge pipeline, immediately discontinue using the line until leaks are repaired. The Contractor will be responsible for removing material placed due to leaks or breaks.

3.9 WORK IN THE VICINITY OF OTHER GOVERNMENT CONTRACTORS

Coordinate dredging operations through the Contracting Officer, with other Government Contractors who may be working in the vicinity (for example: revetment, jetty repairs, and dike construction).

3.10 DREDGING AND DREDGE RELATED MARINE WORK (CESWG)

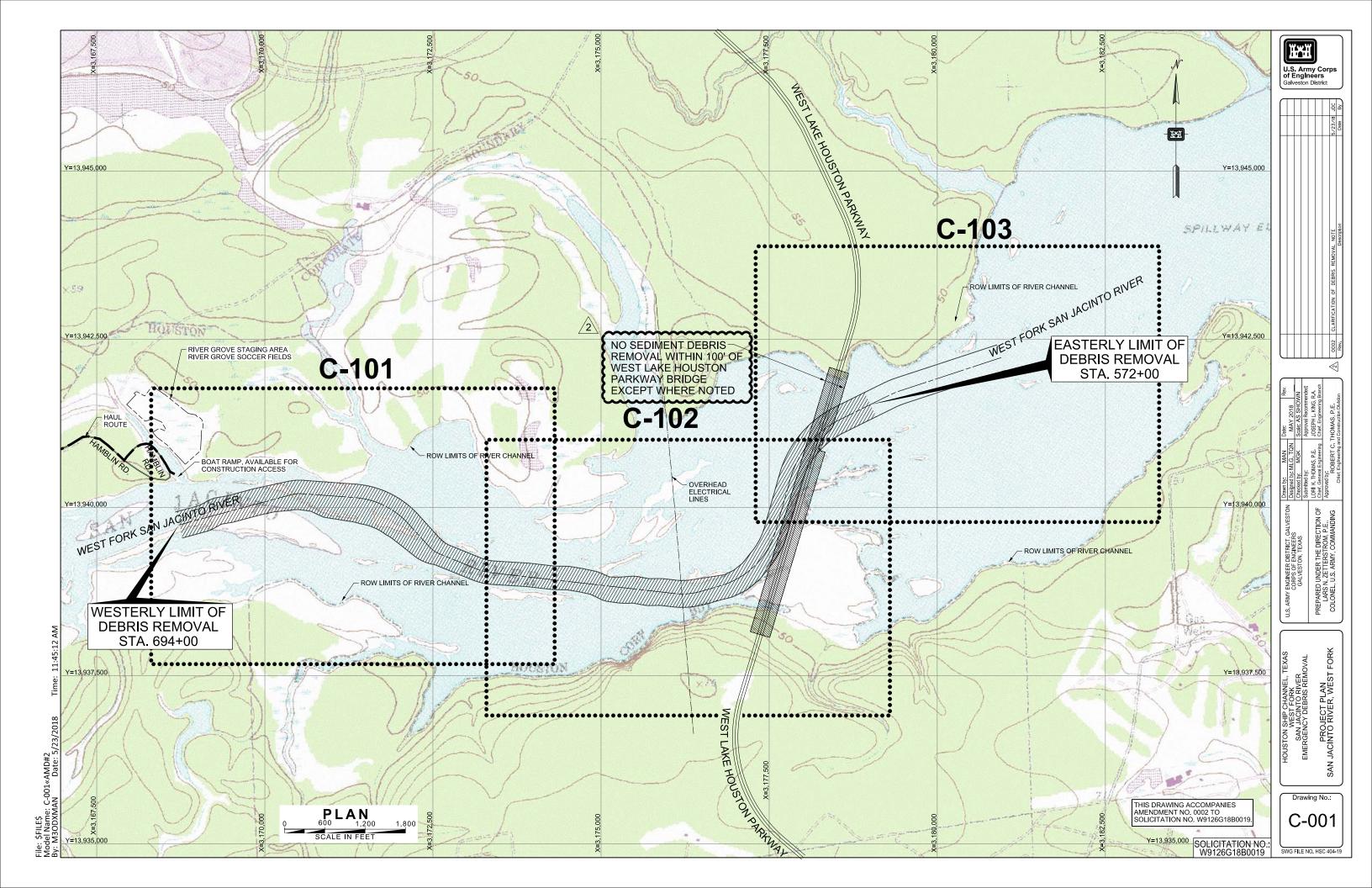
Prepare an Accident Prevention Plan (APP) as required in accordance with the provisions of EM 385-1-1 and as specified in SECTION 01 35 26.01 45 GOVERNMENTAL SAFETY REQUIREMENTS.

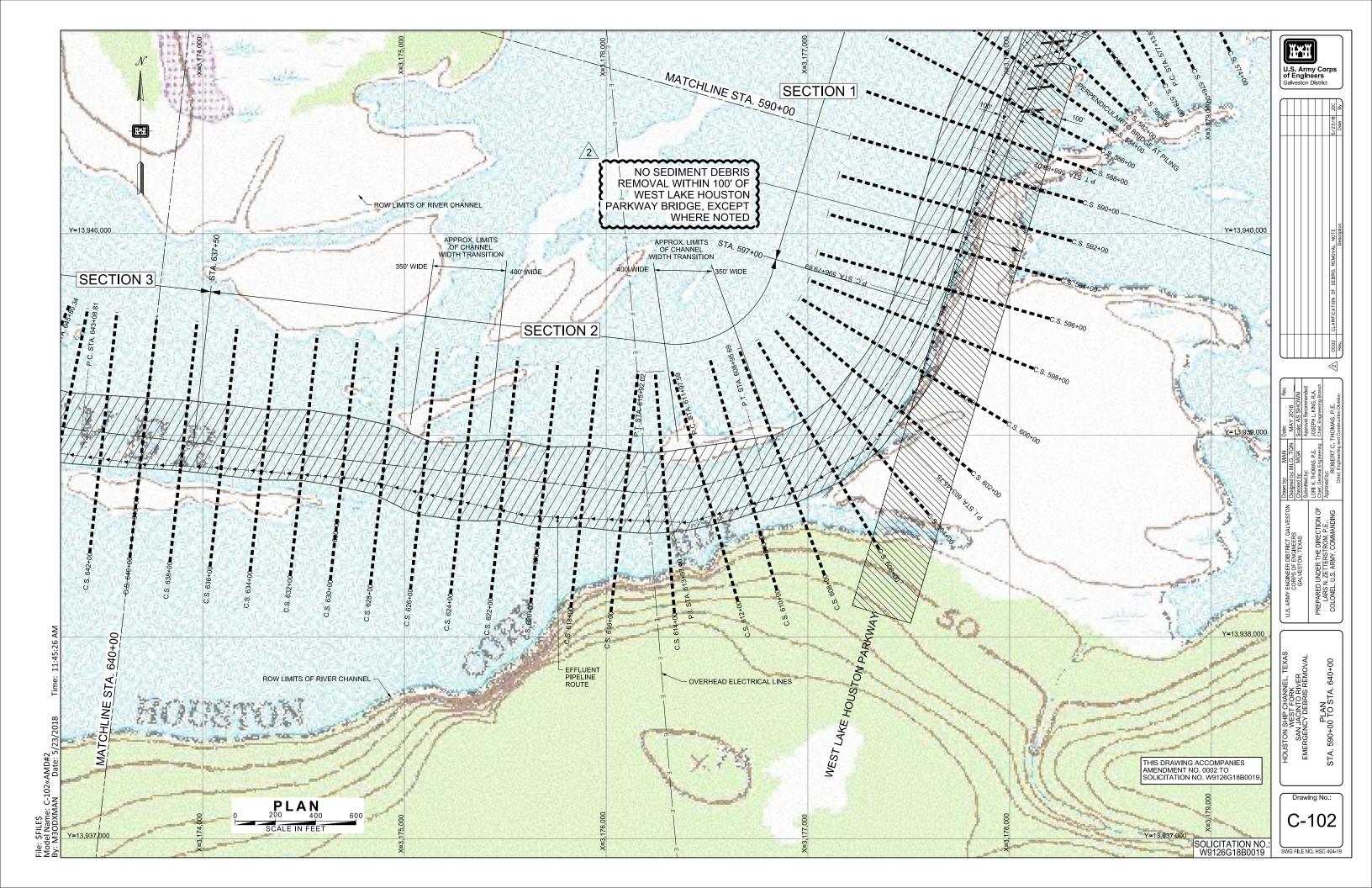
3.11 DREDGE PLANT INSTRUMENTATION

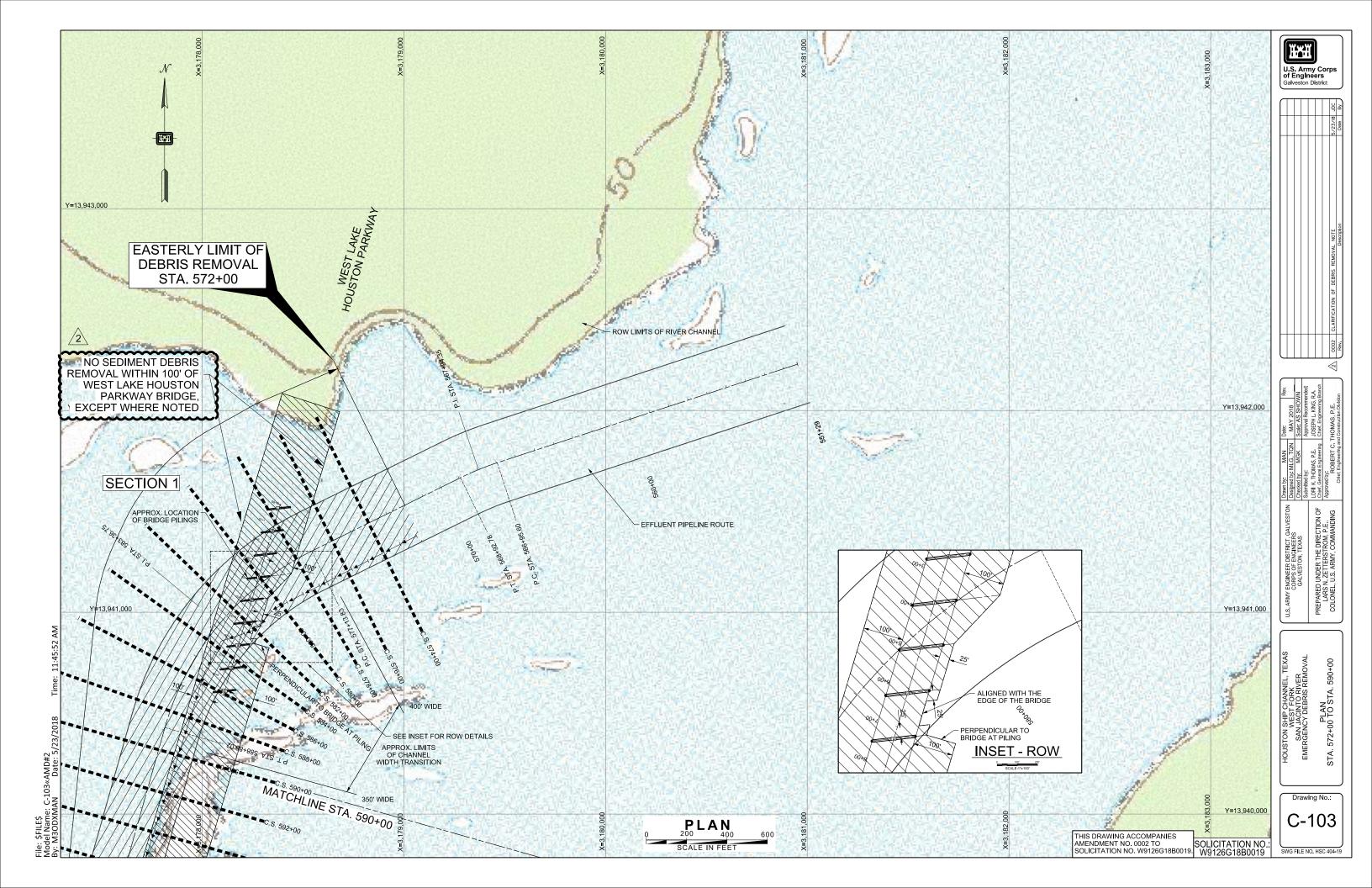
The Dredge Plant Instrumentation is a part of the dredge plant and is to be functional at all times. If failure of any part thereof occurs, repair the failed part within the next 36 hours restoring full operations. If the system is not fully functional within this period, the particular

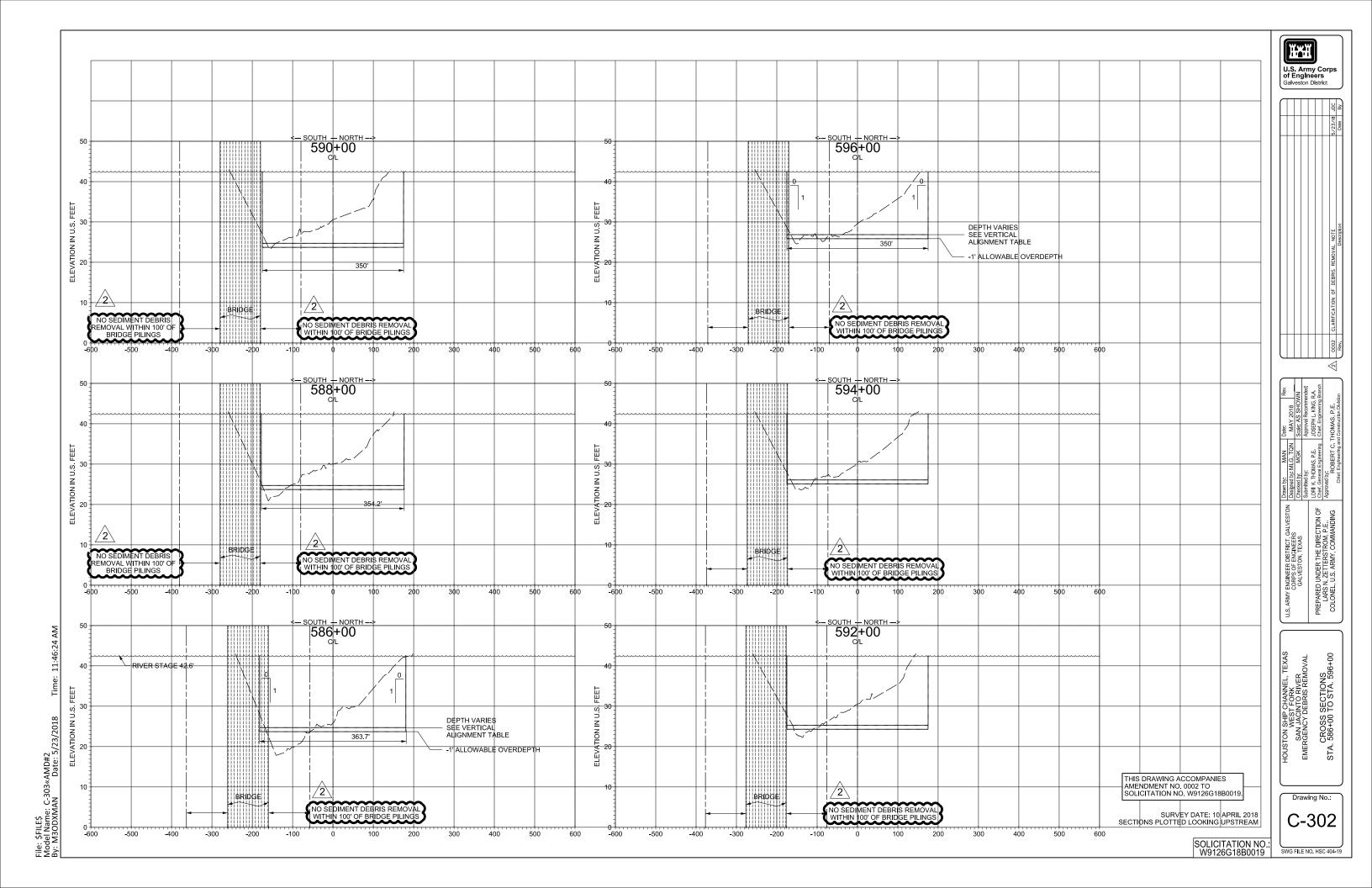
plant affected will be considered non-responsive to this Contract requirement and is to either be replaced or a redundancy part added to render the plant fully operational to include the monitored data at no additional increase in price or time to this Contract.

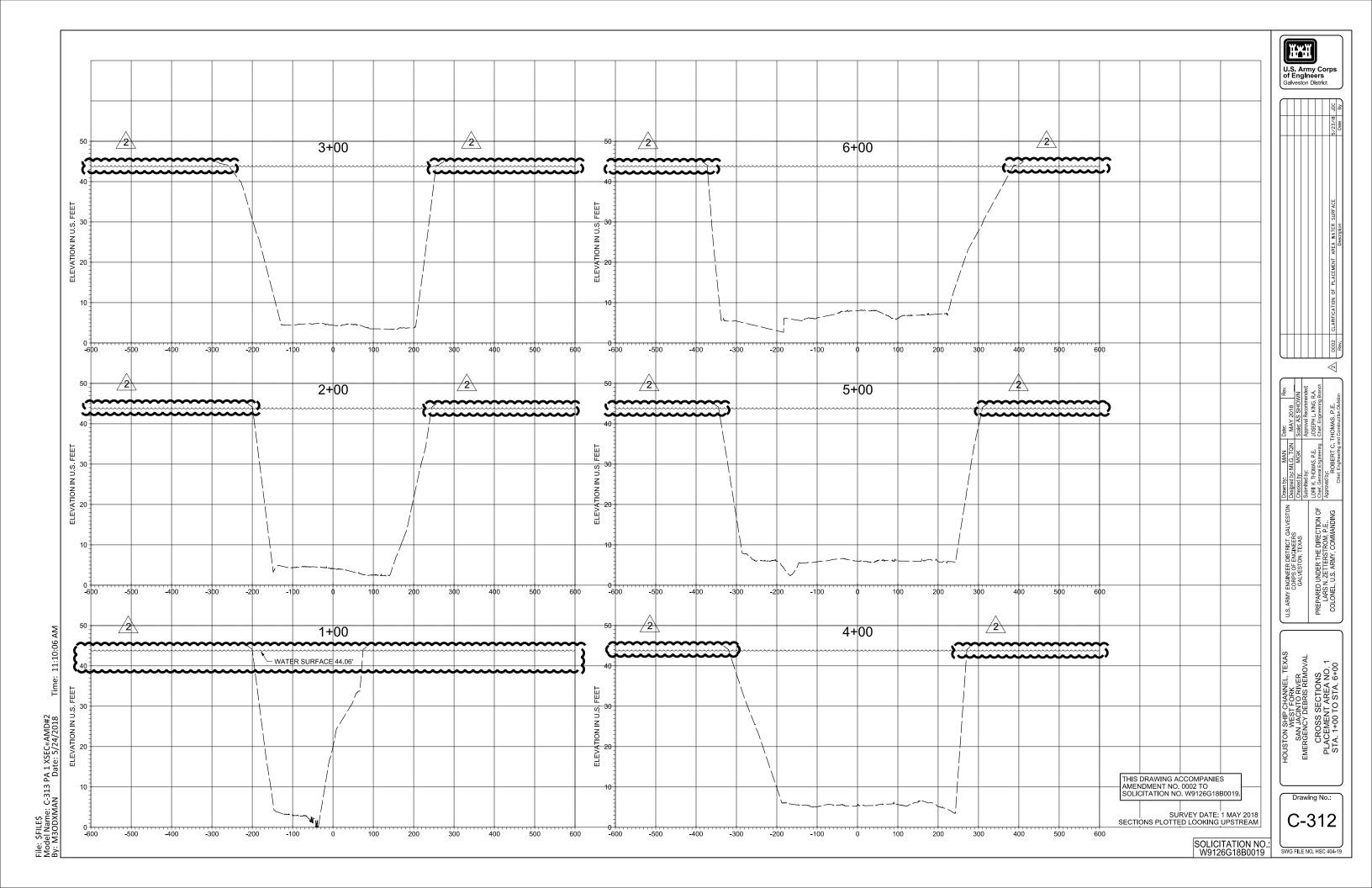
-- End of Section --

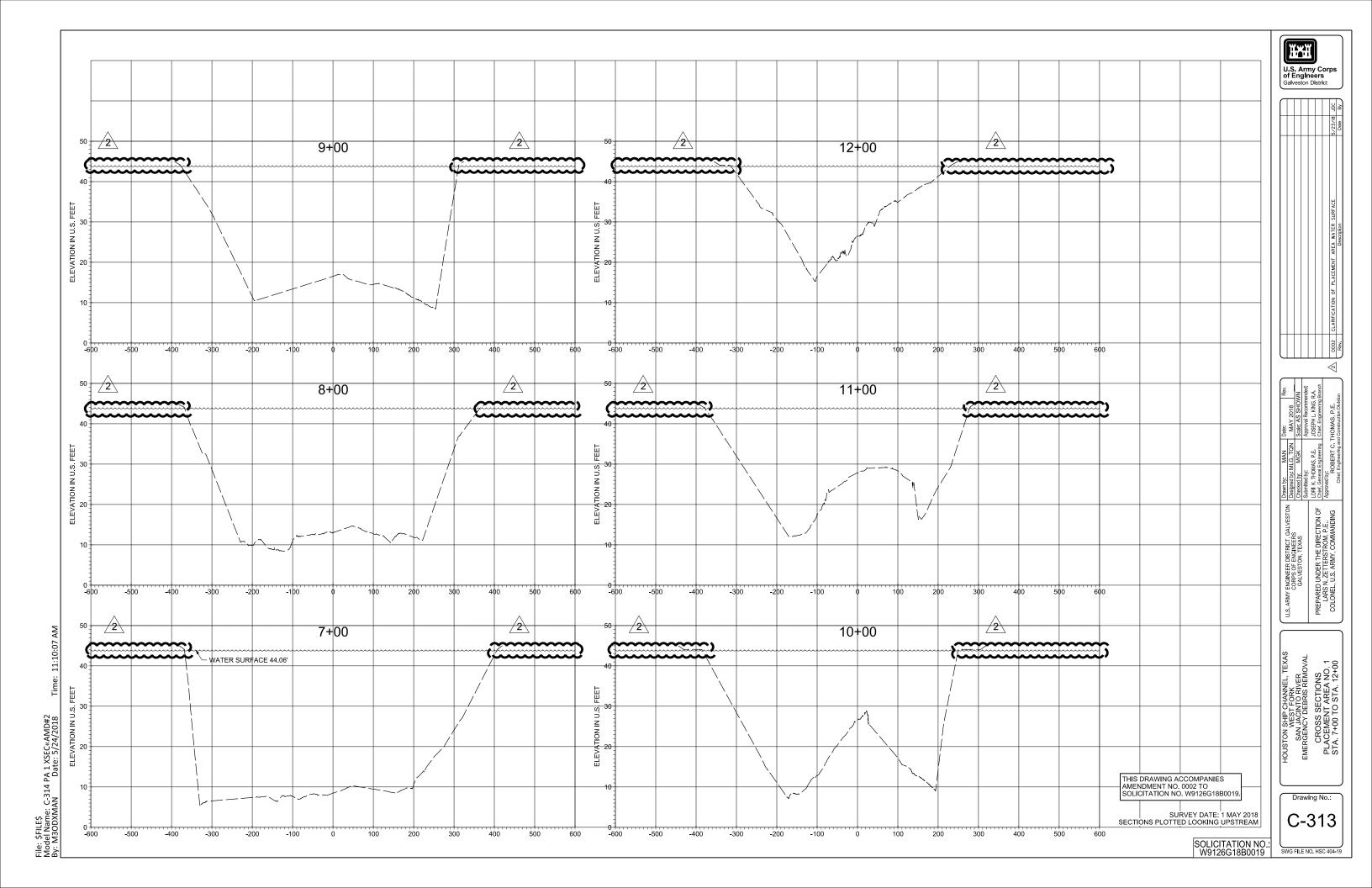












INDUSTYRY DAY (Participant List) 26 April 2018

Gap Engineering Inc.

21703 Kingsland Blvd Suite 103 Katy, TX, 77450-2521

Business Classification: Small Business (SB)

DUNS#: 859525524 CAGE Code: 5Y8S5

Bonding Limit:

Construction Bonding Level (per contract) - \$250,000 Construction Bonding Level (aggregate) - \$250,000 Service Bonding Level (per contract) - \$250,000 Service Bonding Level (aggregate) - \$250,000

Mike Homma / mhomma@gap-eng.com Ronnie Guthrie / ronnie@jwgrading.com Everett Thomas / everettjwgrading@gmail.com Office: (281) 578-0500 / Mobile: (281) 804-6234

Placement Area Solutions, LLC

3307 Three Pines Drive Kingwood, TX, 77339-2230

Business Classification: Small Business (SB)

DUNS#: 080537592 CAGE Code: 7VGH3

Bonding Limit:

Construction Bonding Level (per contract) - (none given) Construction Bonding Level (aggregate) - (none given) Service Bonding Level (per contract) - (none given) Service Bonding Level (aggregate) - (none given)

Nathan Wilkes / nwilkes@pasmaterials.com

Office: (706) 566-8799

INDUSTYRY DAY (Participant List) 26 April 2018

CJW Construction

816 99th Street E Tacoma, WA, 98445-3129

Business Classification:

DUNS#: 061286508 CAGE Code: 6SD59

Bonding Limit:

Construction Bonding Level (per contract) - (none given) Construction Bonding Level (aggregate) - (none given) Service Bonding Level (per contract) - (none given) Service Bonding Level (aggregate) - (none given)

Daniel Duarte / dduarte@cjwconstruction.com Alan Perkovich / aperkovich@cjwconstruction.com Office: (714) 835-6820 / Mobile: (714) 476-9504

Dredgit Environmental Corporation

701 N Post Oak Rd Ste 350 Houston, TX, 77024-3877

Business Classification: Small Business (SB)

DUNS#: 968589569 CAGE Code: 7CDN1

Bonding Limit:

Construction Bonding Level (per contract) - (none given) Construction Bonding Level (aggregate) - (none given) Service Bonding Level (per contract) - (none given) Service Bonding Level (aggregate) - (none given)

Keith Hendrick / keith@dredgit.com

Office: (713) 979-4885

INDUSTYRY DAY (Participant List) 26 April 2018

Great Lakes Dredge & Dock Company, LLC

2122 York Rd Ste 200 Oak Brook, IL, 60523-1923

Business Classification: Large Business (LB)

DUNS#: 006930358 CAGE Code: 1BSU5

Bonding Limit:

Construction Bonding Level (per contract) - (none given) Construction Bonding Level (aggregate) - (none given) Service Bonding Level (per contract) - (none given) Service Bonding Level (aggregate) - (none given)

Steve Auerhamer / SRAuernhamer@gldd.com

John Karas / jfkaras@gldd.com

Office: (630) 574-3000 ext. 2978 / Mobile: (630) 561-5138

Orion Marine Construction, Inc.

5440 Tyson

Tampa, FL, 33616-3228

Business Classification: Large Business (LB)

DUNS#: 041497165 CAGE Code: 0H5D1

Bonding Limit:

Construction Bonding Level (per contract) - (none given) Construction Bonding Level (aggregate) - (none given) Service Bonding Level (per contract) - (none given) Service Bonding Level (aggregate) - (none given)

Mark Slider / mslider@orionmarinegroup.com Glen Kurtz / GKurtz@orionmarinegroup.com

Marshall DeLuca / mdeluca@orn.net

Hillary Franke / <u>HFranke@orionmarinegroup.com</u> Office: (361) 552-6751 / Mobile: (361) 920-2469

INDUSTYRY DAY (Participant List) 26 April 2018

Weeks Marine, Inc.

304 Gaille Dr Covington, LA, 70433-9125

Business Classification: Large Business (LB)

DUNS#: 189601636 CAGE Code: 1RHV3

Bonding Limit:

Construction Bonding Level (per contract) - \$500,000,000 Construction Bonding Level (aggregate) - \$1,500,000 Service Bonding Level (per contract) - (none given) Service Bonding Level (aggregate) - (none given)

Angel C. Fekete / <u>ACFekete@WeeksMarine.com</u> Charles Broussard / <u>crbroussard@weeksmarine.com</u> tpsimnick@weeksmarine.com

Office: (985) 875-2500 ext. 2519

KBR (Kellogg Brown & Root)

601 Jefferson ST, STE 100 Houston, TX 77002-7900

Business Classification: Large Business (LB)

DUNS#: 010810893 CAGE Code: 0CXA7

Bonding Limit:

Construction Bonding Level (per contract) - (none given) Construction Bonding Level (aggregate) - (none given) Service Bonding Level (per contract) - (none given) Service Bonding Level (aggregate) - (none given)

Bryan Parsons / <u>bryan.parsons@kbr.com</u>

Dominic Izzo / Giovanni Puccini /

Office: (713) 753-4857 / Mobile: (281) 914-8809

INDUSTYRY DAY (Participant List) 26 April 2018

GSD Companies

16628 Market Street Channelview, TX 77530

Business Classification:

DUNS#: CAGE Code:

Bonding Limit:

Construction Bonding Level (per contract) - (none given) Construction Bonding Level (aggregate) - (none given) Service Bonding Level (per contract) - (none given) Service Bonding Level (aggregate) - (none given)

Chris Dearing / Chris.Dearing@gsdcompanies.com Office: (281) 459-1500 / Mobile: (713) 824-0938

Moss Monster

12900 N Lakeland Dr Austin, TX 78732-6055

Business Classification: Small Business (SB)

DUNS#: 038586116 CAGE Code: 80DN7

Bonding Limit:

Construction Bonding Level (per contract) - (none given) Construction Bonding Level (aggregate) - (none given) Service Bonding Level (per contract) - (none given) Service Bonding Level (aggregate) - (none given)

Clifton Chowning / <u>clifton@mossmonster.com</u> Office: (512) 266-6677 / Mobile: (512) 848-1581

INDUSTYRY DAY (Participant List) 26 April 2018

Intercontinental Construction Contracting Inc.

180 Lexington Ave 2nd Floor Passaic, NJ 07055-6205

Business Classification: Small Business (SB)

DUNS#: 125150685 CAGE Code: 3D9E2

Bonding Limit:

Construction Bonding Level (per contract) - \$15,000,000 Construction Bonding Level (aggregate) - \$30,000,000

Service Bonding Level (per contract) - \$0 Service Bonding Level (aggregate) - \$0

Jeanelle Young / jeanelle.young@iccincorporated.com

Office: (973) 365-1555

Manson Construction Company

5209 E Marginal Way S Seattle, WA 98134-2409

Business Classification: Large Business (LB)

DUNS#: 007942824 CAGE Code: OFCP9

Bonding Limit:

Construction Bonding Level (per contract) - \$500,000,000.00 Construction Bonding Level (aggregate) - \$1,500,000.00 Service Bonding Level (per contract) - (none given) Service Bonding Level (aggregate) - (none given)

Manson / proposals@mansonconstruction.com

INDUSTYRY DAY (Participant List) 26 April 2018

Dredge America, Inc.

1105 SE Riverside Dr Stuart, FL 34996-2572

Business Classification: Small Business (SB)

DUNS#: 621625656 CAGE Code: 0XZ36

Bonding Limit:

Construction Bonding Level (per contract) - \$1,000,000 Construction Bonding Level (aggregate) - \$2,000,000 Service Bonding Level (per contract) - \$0 Service Bonding Level (aggregate) - \$0

Dan McDougal / dan@dredgeamerica.com

Callan Marine LTD

4800 Old Port Industrial Rd Galveston, TX 77554

Business Classification: Small Business (SB)

DUNS#: 021378100 CAGE Code: 64MM7

Bonding Limit:

Construction Bonding Level (per contract) - (none given) Construction Bonding Level (aggregate) - (none given) Service Bonding Level (per contract) - (none given) Service Bonding Level (aggregate) - (none given)

Sarah Dearing / bids@callanmarineltd.com

INDUSTYRY DAY (Participant List) 26 April 2018

American Underwater Svc

3008 Joyce Dr.

FT Worth, TX 76116-4014

Business Classification: Small Business (SB)

DUNS#: 052717043 CAGE Code: 1T2E3

Bonding Limit:

Construction Bonding Level (per contract) - (none given) Construction Bonding Level (aggregate) - (none given) Service Bonding Level (per contract) - (none given) Service Bonding Level (aggregate) - (none given)

Marty Pearce / marty@americanunderwaterservices.com

Boyer Inc

8904 Fairbanks N. Houston Road Houston, TX 77064-6805

Business Classification: Large Business (LB)

DUNS#: 161794524 CAGE Code: 4PU13

Bonding Limit:

Construction Bonding Level (per contract) - (none given) Construction Bonding Level (aggregate) - (none given) Service Bonding Level (per contract) - (none given) Service Bonding Level (aggregate) - (none given)

Daryn Ball / dball@boyerinc.com

INDUSTYRY DAY (Participant List) 26 April 2018

Dutra Group

2350 Kerner Blvd Ste 200 San Rafael, CA 94901-5595

Business Classification: Large Business (LB)

DUNS#: 059133509 CAGE Code: 3GSX7

Bonding Limit:

Construction Bonding Level (per contract) - (none given) Construction Bonding Level (aggregate) - (none given) Service Bonding Level (per contract) - (none given) Service Bonding Level (aggregate) - (none given)

Aric Schuster / aschuster@dutragroup.com

Matthews Brothers Inc

455 Fleitas Ave

Pass Christian, MS 39571-2807

Business Classification: Small Business (SB)

DUNS#: 828282918 CAGE Code: 56UW3

Bonding Limit:

Construction Bonding Level (per contract) - (none given) Construction Bonding Level (aggregate) - (none given) Service Bonding Level (per contract) - (none given) Service Bonding Level (aggregate) - (none given)

Trey Taylor / trey@matthewsbrothersinc.net