ADDENDUM 1 TO BID DOCUMENTS FOR THE NORTHWEST TURTLE BAY MARSH CREATION PROJECT (BA-0125) JEFFERSON PARISH, LOUISIANA





STATE OF LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY January 16, 2019

ADDENDUM 1 TO BID DOCUMENTS NORTHWEST TURTLE BAY MARSH CREATION PROJECT (BA-0125)

The interpretations, corrections or changes in this addendum supersede the requirements in the Bid Documents dated December 2018 stamped and sealed by the Engineer of Record on 12/12/2018. The Successful Bidder shall be issued an updated set of Contract Documents based on all addenda.

Bidders shall acknowledge receipt of this addendum in the Louisiana Uniform Public Work Bid Form.

I. <u>CPRA Response to Bidder Questions:</u>

Responses to Bidder Questions will be provided in a future Addendum.

II. Revisions to Specifications:

None at this time.

III. Revisions to Plans:

Sheet 6:

a. Corrected West Marsh Creation Area Fill Zone labels.

Sheet 30:

- a. Delineated Settlement Plate locations for West Marsh Creation Area.
- b. Addition of West Marsh Creation Area Settlement Plate Location Coordinates Table.

Sheet 34:

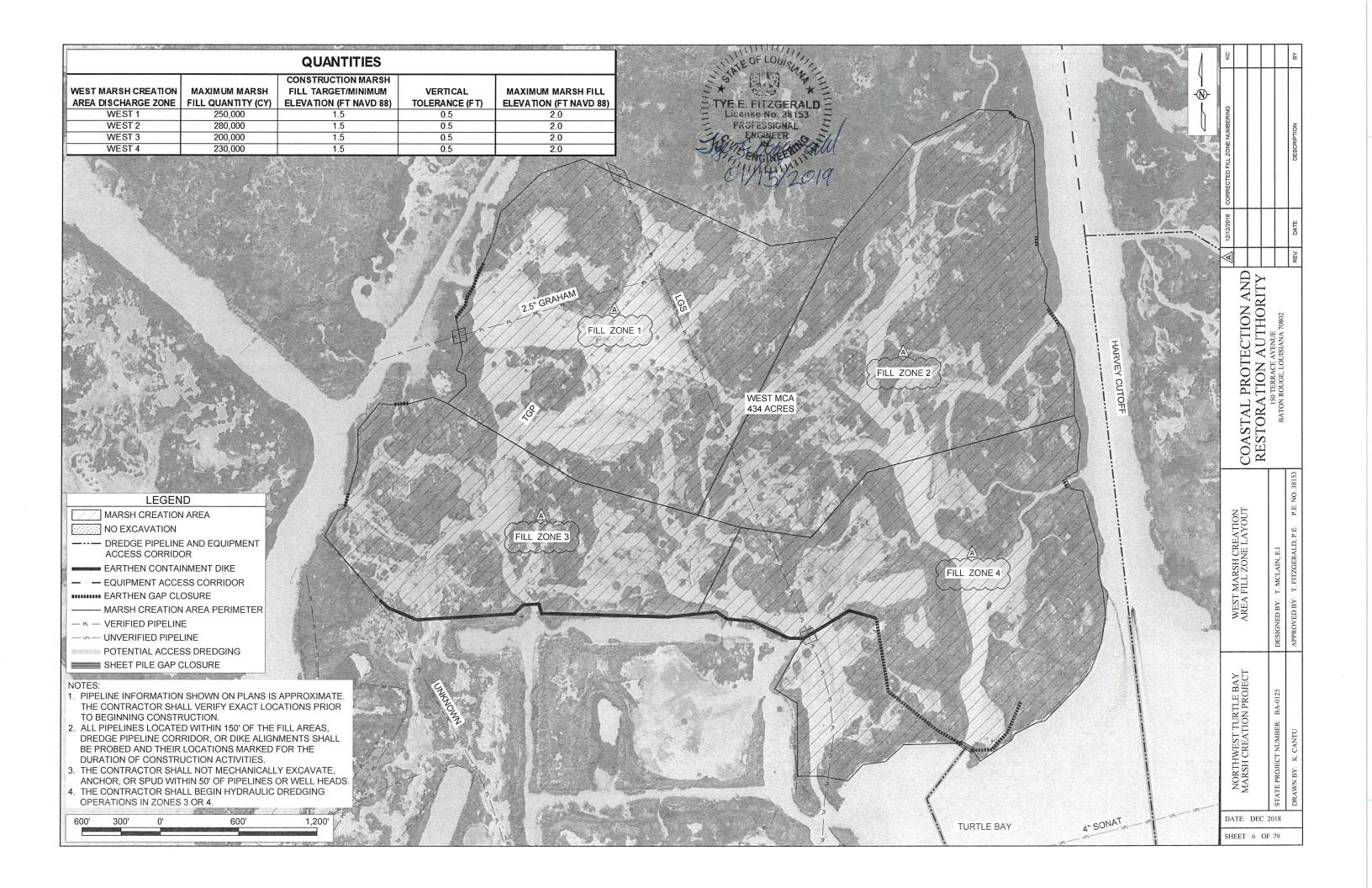
- a. Delineated Settlement Plate and Instrumented Settlement Plate locations for East Marsh Creation Area.
- b. Addition of East Marsh Creation Area Settlement Plate Location Coordinates Table.
- c. Addition of East Marsh Creation Area Instrumented Settlement Plate Location Coordinates Table.

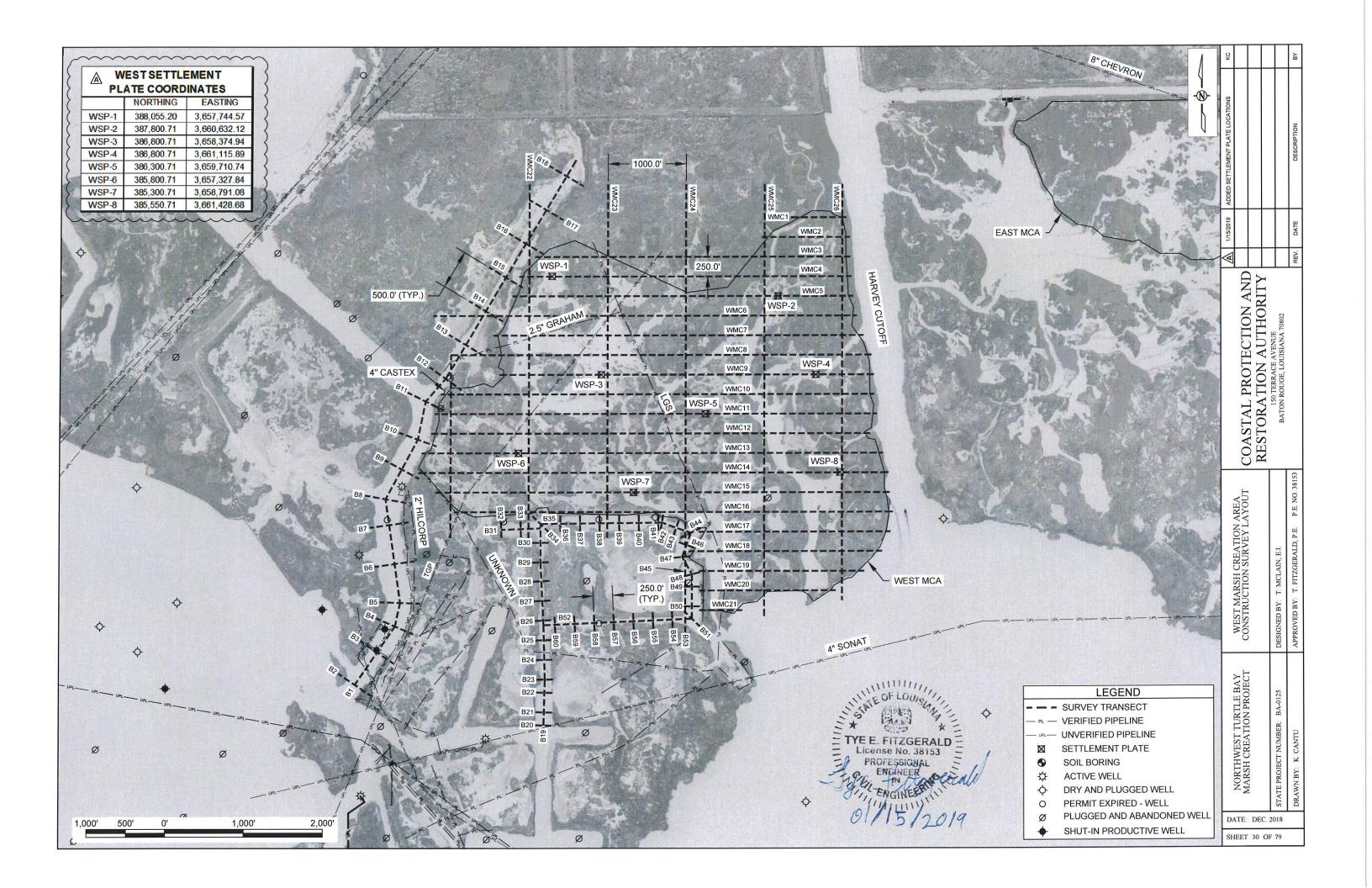
IV. Pre-bid Attendance Record:

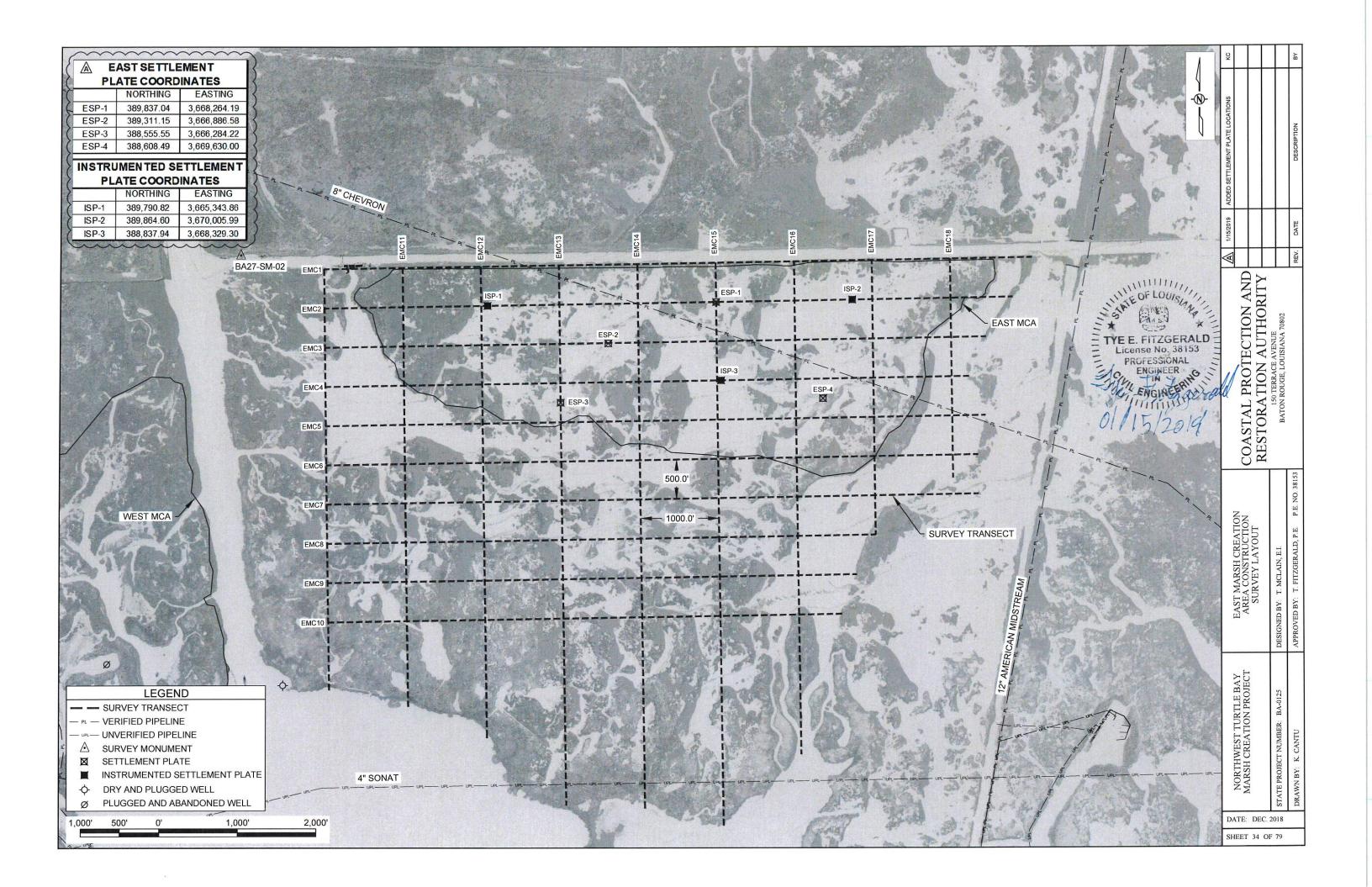
The Attendance Record for the Pre-bid Conference is attached in Appendix A of the Addendum. Note: The scheduled 10 am start of the Pre-Bid Presentation was delayed until 10:30 am. All persons included on the attached record were signed-in prior to the start of the Pre-Bid Presentation.

V. **Pre-bid Presentation:**

The Presentation for the Pre-bid Conference is provided in PDF format in Appendix B of the Addendum.







ADDENDUM 1 TO BID DOCUMENTS NORTHWEST TURTLE BAY MARSH CREATION PROJECT (BA-0125)

APPENDIX A: PRE-BID ATTENDANCE RECORD

Note: The official start of the presentation did not begin until 10:30 am and everyone on this list was signed in by that time.



Mandatory Pre-Bid Conference Attendance Record



Project Name:

NORTHWEST TURTLE BAY MARSH CREATION PROJECT

Project Number:

BA-0125

Date:

January 9, 2019 10:00am

Time:

10:00 am

Location:

Lafitte Town Hall, 2654 Jean Lafitte Blvd, Lafitte, LA 70067

CPRA Project Engineer:

Engineer of Record: Construction Manager:

Project Manager: Federal Sponsor:

Thomas McClain, PE Tye Fitzgerald, PE

Adam Ledet, PE **Dustin White Kevin Roy**

Name (Print)	Name (Signature)	Initial (In)	Initial (Out)	Company Name	Company Address	Phone and Email	Affiliation (Circle One)
Billy Bennett	Billy Bant	9.39A	11:18n	CRAIN Brothers, INC	300 Pita Drive	337-507-7776	Prime / Sub
					Bell Ch, LA 70601	billy enain brothers. co.	
Shannon Keown	Showshoun	4:90 am	15.20	Mike Hooks Inc.	409 was Mike Hooks Rd	337-349-5681	Prime / Sub
		fh;			Westlake La	Mulletcaptain Daol. com	
Porto Auguis	Coltina	5:42	HIZD	Postal Dredeing	1912B Robert Rd.	-850-451-675B	Prime Sub
35		CKB	CAT	Co. Inc	Hammond, LA	Muddbugglozegmaile	Rrime/ Sub
Barny Kilha a	2///	Gull	(15	COMSTAL Duelsing Co. INC	19128 Robert R.L	985-960-0361	Prime / Sub
701019711751610		7:92	1120		Hammons, LA 70401	Kilbridecdd ADL CO.	
Jania Warden	Casi G bu'	942	TV	Cocstal Diedging	[[985-960-2703	Prime / Sub
VEM.Z VECC.	ya v					Jamie Q Coask Oregoing , net	
JOHN VANOY	MS.	9:45	N	DRION MARINE CONSTRUCTION	5440 W TYSON AVE TAMPA FL 33611	B132056352 JVANNOY@ORIONMARINE GROUP.COM	Prime / Sub
	Billy Benkett Shannon Keown Curties Huggins Banny Kilbaile Jemie Verdin	Shannon Keown Shannon Keown Curtis Huggins Complete Tomay hilbards Temic Verdin Paic Wi	Shannon Keown Shanno	Billy Banket L Billy Bank 9:39 Illi 18m. Shannon Keown Showshow 9:40 ml 17:50 Curtis Huggins Completed 9:42 A120 Ext Ust 120 Tamie Verd: 1 Pric bi 9:42 J.V.	Billy Bennett Bill Bourd 9:39m 11:10m CRAIN Brokens, INC Thannon Keenen Hamman 4:90m 15:20 Mike Hooks Inc. Curtis Huggins Capture Grant Dredging Temie Verdin Paic W 9:42 TV Coestal Dredging	Billy Beanett Billy Bourd 9:39 m. 11/18 CRAIN Brokers, Tacc 301 Miss Drive Bell Cty, LA 70601 Thannon Keenen Missell Westlake La Cortis Huggins Control Dredging 19128 Robert Feb. Westlake La Cornny Kilbarde Con 1/120 Cornso que Dredging Control Hammond LA Temic Verdin Paic bi 942 TV Cocstal Dredging 11 Styte W Tyson Ave	Billy Beanett Billy Bourd 9:37 11/9 Carin Brothers, The Boll Chy, LA billy carin brothers, Co. 70601 Therefore Result Billy Bourd 9:37 Mike Hooks Inc. 499 the Mike Hooks Rd 337-349-5681 Wastlake La Malletaptain Bad. com Little Danny Kilberth Dan Mill 9:40 Loastal Dredging 19128 Robert Rd. 455-451-6758 Danny Kilberth Dan Mill 9:40 Mills Control of Managing Co. Inc. 19128 Robert Rd. 785-960-0361 Lamanous And Nilbarde Dan Mill 9:40 Mills and Control of Managing Co. Inc. 19128 Robert Rd. 1985-960-0361 Lamanous And Nilbarde Code Acceptage Managing Co. Inc. 19128 Robert Rd. 1985-960-0361 Lamanous And Nilbarde Code Acceptage Managing 11 11 985-960-2707 Lamie Verdin Paic lai 942 IV Cocstal Diedging 11 11 11 11 11 11 11 11

Certified by: <u>Dustin White</u>





Project Name:

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CPRA Project Engineer:

Engineer of Record:
Construction Manager:

Project Manager: Federal Sponsor: Thomas McClain, PE
Tye Fitzgerald, PE

Adam Ledet, PE Dustin White Kevin Roy

	Name (Print)	Name (Signature)	Initial (In)	Initial (Out)	Company Name	Company Address	Phone and Email	Affiliation (Circle One)
7.	CHARLES MAKHAM	Malm	CM				904-524-7846 CMANKAGAMGMUSONCC	
8.	Scott Stewars	das dum	55	59	Manson Con.		850 447 038A Cap a Stewart O gmen	Prime / Sub
9.	Rivhy L. Thikedoovx	Kity L'Heleling	RH	H	Berry Bros. Line al Carlo Zie	POBOX 253 Beiwith, Lai 7034Z	(965) 384-8770 9(85) 637 8776 - CeV Picky @ Glogic, com	Prime Sub
10.	Heather Ton-	Heather	79	W	Abe's Boot Rental	9087 Huy 23 70037	832 2263187 heather@abesboat rental.com	Prime Sub
11.	Roland Pitne	Rafay Ros	Rt.	P.P.	Frogeo		Roland. P. gracia GCSE Services. Com 985-227-1262	Prime /Sub
12.	Tyler Roy	Wit-K	WTR	CTR	Wiles	Pd. Box 710 Marroro, LA 70873	337-945-8301 traj@wilcomorshbuggies	Prime Sub





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	Name (Print)	Name (Signature)	Initial (In)	Initial (Out)	Company Name	Company Address	Phone and Email	Affiliation (Circle One)
	-			a			504-570-7498 Lavie Dativeary Q	Prime Sub
13.	Dauld Dettregus	Males The	VW	MX	Dean	2240 Peters Rd	dean digs. com	
				H		304 GA: 110 DE	985-875-2500	Prime / Sub
14.	JERRY DEVILLE	or sut	gr	a,	WEEKS MARINE, INC	Covington, LA 70433	JCDEVILLE @ Weeks MAXIM . Com	
Y	TIM VESTAL	Turvito	70		WEEKS MARINE, INC		985-991-9053	Prime / Sub
15.		J /	,,0	70			TCVESTAC Q WEELS MARINE	E. Com
16.	Carlos Velasco	Califold.	CV	CV	Ceres Environmental	13939 Kuykendehl Rel. Howdon TX 77090	carlos-velasco@ceresenv.con	Prime / Sub
		\cap					985 677-4092	Prime Sub
17.	DONOVAN LUENT	Donora Suet	DL	DL	Crosby Dredging LLC	229 Dovelopment St. Hours	DLueNTe Coosby Ordain	
	2	A Da		0.0		2122 York Rd	630-300-4029	Prime / Sub
18.	Brian Puckett	1 Takel	BCP	ba	GLDD	Oak Brook IL	Bepuckettagldd.com	





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Tye Fitzgerald, PE

Construction Manager: Project Manager:

Adam Ledet, PE Dustin White Kevin Roy

	Name (Print)	Name (Signature)	Initial (In)	Initial (Out)	Company Name	Company Address	Phone and Email	Affiliation (Circle One)
19.	Brad Halm	MM	134	PX	Great Cales Orogh Alah	2172 Yerl hd Oak 13-och M GUS23	224-275-5763 Brahn e glod.com	Prime / Sub
20.	Bryan Hansen	Brettery	B4	BH	Ceres Environmental	3825 85th AUEN Brooklyn Park, MN 55443	763-259-8806 bryan. hansen Eceresenv.com	Prime / Sub
21.	Rodney TheriaT	Rodrysken	RY	LT	BRS	Belle chasse LA	1504 415-1216	Prime / Sub
22.	JACOB CALLAIS	Je, eli	Sc	Je	TBAKER SMITT	THEODA) X, LA	985 696-5885 JACOB. CACLAIS Q TBSMITH. COM	Prime / Sub
23.	TIFFANIY BEANDHUEST	Liffmy Brandhurst	218	48	TELTA MARINES UPPORT	ADLA 70170	(504) 715-5911 TIMMY OD DELTA MAINESP. COM SP.	Prime / Sub
24.	Ginger Gallardo	Hallardo	(gg)	afs.	Magnolia Bredge & Dock	N.	504-462-061/ Herrys@ magnolia dredge.com	Prime / Sub





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Federal Sponsor:

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Tye Fitzgerald, PE
Adam Ledet, PE
Dustin White
Kevin Roy

	Name (Print)	Name (Signature)	Initial (In)	Initial (Out)	Company Name	Company Address	Phone and Email	Affiliation (Circle One)
25.	Heith Roberts	Kuis G/Tol8	KgK	KNK	Hydroterna	202 JACOBS RUN Scott, LA 70583	(337) 517-3373 Keithr@hydroterratec.com	Prime / Sub
26.	Darry 1 Cavallion	Day Cally	(A)	0	Courillion Group	371 Walker rol Bolle Chasse, LA	SOH 909-4055 decun llion@ Coun lliongrp.c	Prime /Sub
27.	Jamie Autin	Camin & aA	Ad	D'	Marsh Buggies Inc.	2018 Engineers Rol Belle Chosse, LA 70037	(504) 394-5050 (504) 415-0706 Jamie Emarshbuggies com	Prime / Sub
28.	Scott A-Labre	Sept Mille	del.	SAL	MARSH Bugges . FIC.	2018 ENGINEERS Rd. Belle Chasse, LA. 70037	Joseph Children Handy gies. Com	Prime Sub
29.	JERRY SONGY		2	J3	Magnstis Preds. of Doch	1730 ORKORS SL Mondaville, LA	504-462-0611 terryse magnetische	Prime DSub
30.	ROCK Smith	RukSmoth	RS	r 5	INLAND DREDGING CO	404 SCOTCHPINE DR MANDEVILLE LA 70471	985-807-7105 RSMITH DINLAND - DREDO	Prime / Sub





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Engineer of Record: Construction Manager:

Project Manager: Federal Sponsor:

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Adam Ledet, PE
Dustin White
Kevin Roy

	Name (Print)	Name (Signature)	Initial (In)	Initial (Out)	Company Name	Company Address	Phone and Email	Affiliation (Circle One)
31.	James Bean, Jr.	Jun Bas	Jude	Jws.	Callan Marine, LTD	P.O. Box 17017 Galueston, TK 77552	504-259-0336 bids@ callan marinelt	Prime / Sub
32.	Mike Mayerx	Tike my	n h	began	Southern Delty Coust	P.O. Box 1569 Walker LA 70785	985 209- 9884 M_nayeux@bel(5004h. 4	Prime / Sub
33.	James Sandofur	M	n	M	Southern Delka Construction	P.O. Bux 1569 Welker, LA 70785	Ja5-901-6348	Prime / Surb
34.	Denny Adolph	Dun-vll	Q BA		Deep South Airbords	Belle chasse ca 70037	dennyadolph @ Yahoo.	Prime / Sub
35.	Perry Autin		2	2	American Amphibious	PO Box 403 Gretna La	Nitua @ Aol. Com 504-458-0157	Prime / Sub
36.	Scott Hughes			35	-CALUARY COASTAL		504 - 259 - 326/ 228 - 304 - 5528	Prime / Sub





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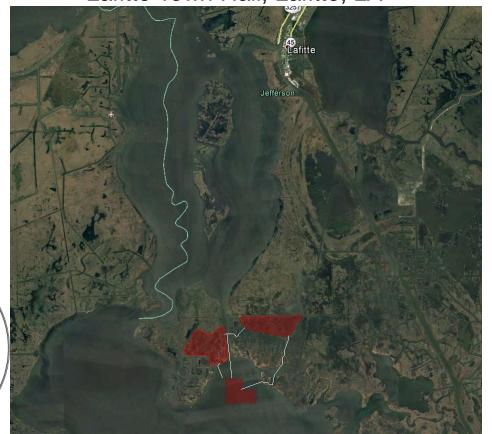
	Name (Print)	Name (Signature)	Initial (In)	Initial (Out)	Company Name	Company Address	Phone and Email	Affiliation (Circle One)
37.	Tye Fitzgrow	Sye Fitzgale	St		CPRA	150 Former St BP, L A 70802		2
38.	Rudy Simoneaux	15	XX	A	- CPRI	150 Taran St. Bata Loye, Cf 70802	225 342-057 (rudy. Sinoneaux@ (5.5a)	Prime / Sub
39.								Prime / Sub
40.								Prime / Sub
41.							-	Prime / Sub
41.								Prime / Sub
42.								

ADDENDUM 1 TO BID DOCUMENTS NORTHWEST TURTLE BAY MARSH CREATION PROJECT (BA-0125)

APPENDIX B: PRE-BID PRESENTATION

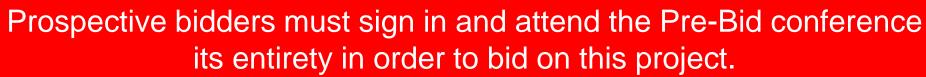
BA-0125 Northwest Turtle Bay Marsh Creation Mandatory Pre-Bid Conference

January 9th, 2019 at 10:00 AM Lafitte Town Hall, Lafitte, LA









CWPPRA Project Sponsors and Team



Project Manager: Dustin White

Project Engineer: Thomas McLain, E.I. Engineer of Record: Tye Fitzgerald, P.E. Construction Manager: Adam Ledet, P.E.

Local Sponsor/Owner



Project Manager: Kevin Roy

Federal Sponsor

Bid Documents and Addenda

□ Complete bid documents and addenda are available for review on the Louisiana Coastal Protection and Restoration Authority website.

www.coastal.la.gov

Bidder Questions

□ Please submit Questions regarding the bid by COB Monday, January 14th

cpra.bidding@la.gov

- ☐ Questions regarding the bid must be submitted in writing to the CPRA contact listed in the Advertisement for Bids
- □ All verbal responses given at this conference are nonbinding

Contract Time

☐ The contract time shall be **475** consecutive calendar days from issuance of the Notice to Proceed.

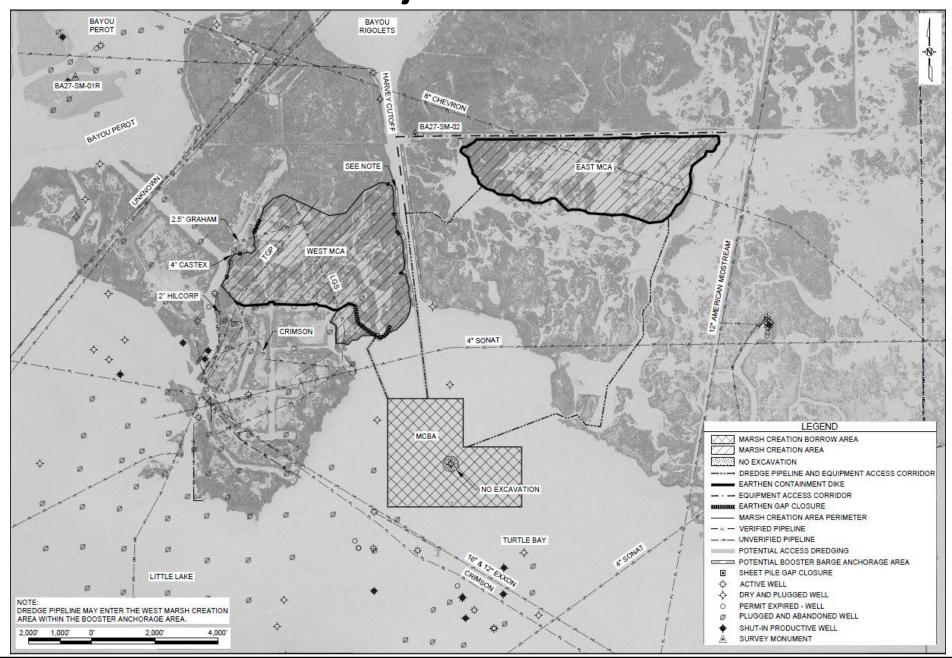
Liquidated Damages

☐ Liquidated damages in the sum of \$5,470.00 shall be deducted from any money due to the Contractor for each consecutive calendar day the Work remains incomplete beyond the Contract Time or as amended by Change Order.

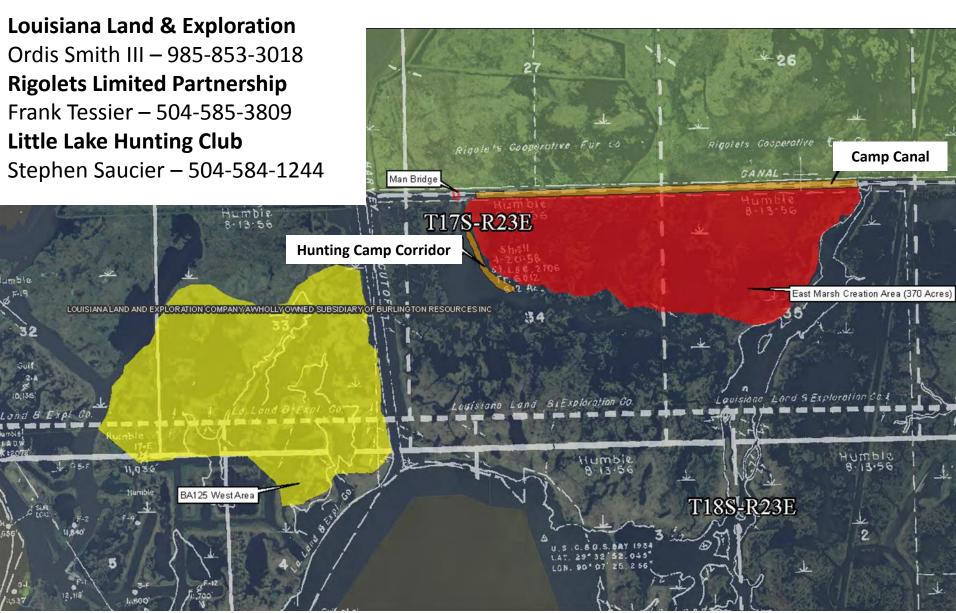
Retainage

☐ In addition to any Ratio of Effort and Withholdings, a retainage of 5% to be withheld for a minimum of 45 days after final acceptance to ensure that all liens are released.

Project Overview



Land Rights Map



Permits

- ☐ Owner has secured the following permits:
 - Department of the U.S. Army Permit
 - Expires: 9/5/2022
 - Consistency Determination from the LDNR
 - Water Quality Certification from the LDEQ
 - Fill Permit from the LDWF

Mobilization & Demobilization

TS-100 Mobilization and Demobilization

Provide all labor and equipment necessary to move personnel, equipment, construction materials (including dredge pipeline), and incidentals to and from the Project Site.

Measurement and Payment:

Payment shall be made at contract lump sum price for Bid Item No. 1, "Mobilization & Demobilization".

Ratio of Effort:

- □ 25% upon confirmation of both the start of Earthen Containment Dike/Earthen Gap

 Closure construction and the establishment of the Office for Owner
- 50% upon completion of the entire hydraulic dredge pipeline to both MCA's and confirmation of the hydraulic dredge mobilization to the Project Site
- 25% upon final acceptance of the work and confirmation of the removal of all equipment and unused materials

Surveys

	210 Construction Surveys Vertical Control: NAVD88 Geoid 12A Epoch 2010.00
	☐ Pre-Construction Surveys TS-210.4
	☐ Process Surveys TS-210.5
	☐ As-Built Surveys TS-210.6
	■ Monuments used for Design:■ BA27-SM-02■ BA27-SM-01R
Pay	asurement and Payment: ment shall be made at contract lump sum price for Bid Item No. 2, "Construction veys".
	The stractor may request partial payments 50% of the lump sum cost will be paid following acceptance of the Pre- Construction Surveys, excluding the Marsh Creation Pre-Construction Surveys 30% of the lump sum cost will be paid following acceptance of all Process Surveys
	20% of the lump sum cost will be upon acceptance of the complete set of As-Built Surveys

Design Surveys: Plan Sheets 24-28

West MCA & Borrow Area: T Baker Smith 9-2012 – 3/2013

Access & West MCA Gap Closures: HydroTerra Technologies 10/2017 – 11/2017

East MCA: HydroTerra Technologies 6/2015 – 8/2015

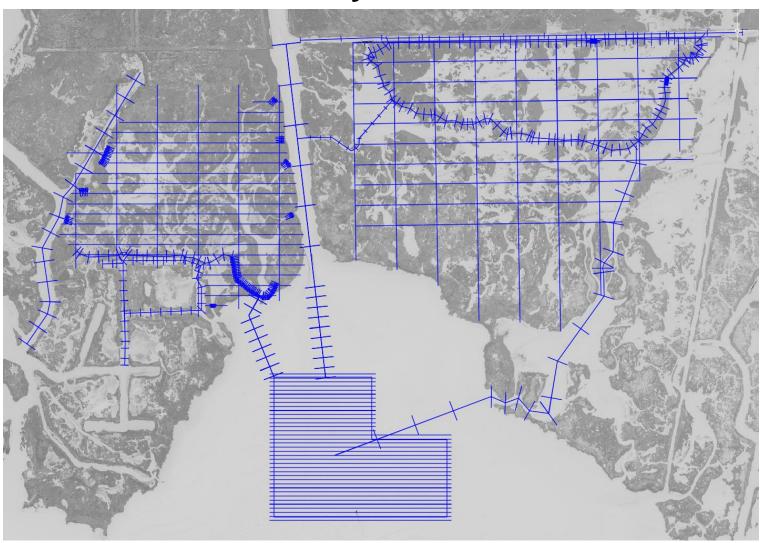


Data Available at:

ftp://ftp.coastal.la.gov/BA-

125%20NW%20Turtle%20Bay/Bid%20Package%20Appendicies%20H,%20I,%20&%20M/Appendix%20I%20Design%20Survey%20Report/

Construction Surveys: Plan Sheets 29-35



Data Available at:

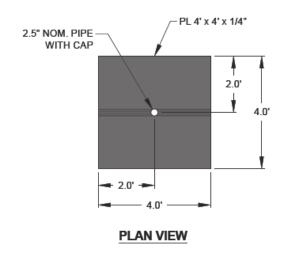
ftp://ftp.coastal.la.gov/BA-

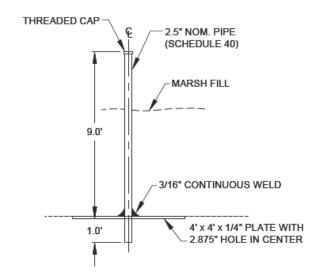
 $\underline{125\%20NW\%20Turtle\%20Bay/Bid\%20Package\%20Appendicies\%20H,\%20I,\%20\&\%20M/Appendix\%20M\%20Construction\%20Survey\%20Point}$

Settlement Plates

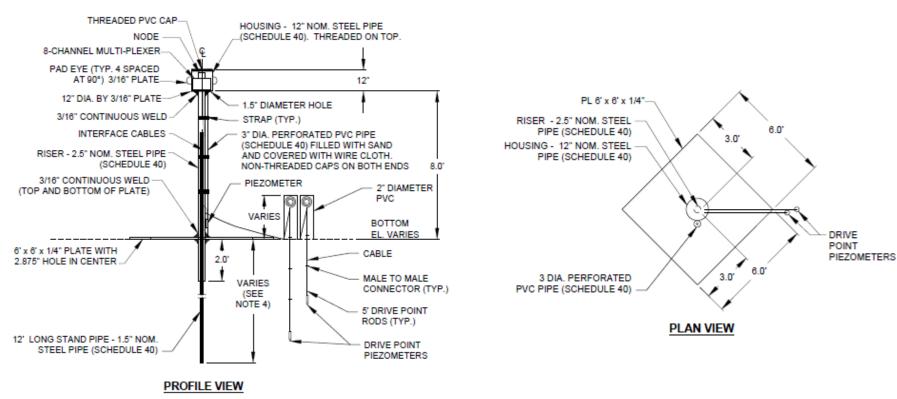
TS-250 Settlement Plates

- ☐ Contractor to fabricate and install 4 settlement plates in the East Marsh Creation Area
- ☐ Contractor to fabricate and install 8 instrumented settlement plates in the West Marsh Creation Area
- ☐ Locations to be shown in Addendum 1
- □ Payment shall be made for the Contact unit price per each for Bid Item No. 3, "Settlement Plates"





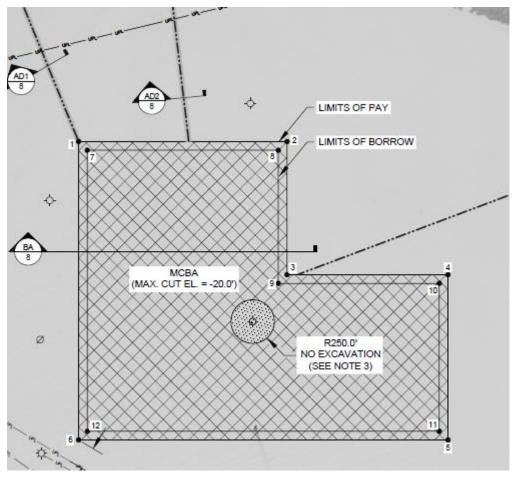
Instrumented Settlement Plates

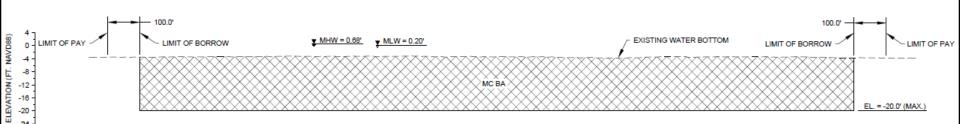


- Contractor to fabricate and install <u>3</u> instrumented settlement plates in the <u>East Marsh Creation Area</u>, and to furnish instrumentation. CPRA to assemble instrumentation onto the settlement plates during installation with assistance from Contractor.
- □ Payment shall be made at the Contact lump sum price for Bid Item No. 4, "Instrumented Settlement Plates"
- □ Ratio of Effort = 75% installation / 25% Acceptance of Marsh Creation Area.
- Locations to be shown in Addendum 1

Borrow Area

- ☐ Turtle Bay Borrow Area
- 264 Acres
- ☐ Average Bottom Elevation -4.0′
- ☐ Max Dredge Elevation -20.0'
- ☐ Average Cut Depth of 15'
- ☐ Approx. Pumping Distances
 - ☐ East MCA: 2.5 miles
 - ☐ West MCA: 1.5/2 miles
- ☐ Tier II Oyster Seed Ground
- ☐ Include Turbidity Control Plan in Work
 - Plan
- Expect to encounter sands and shells



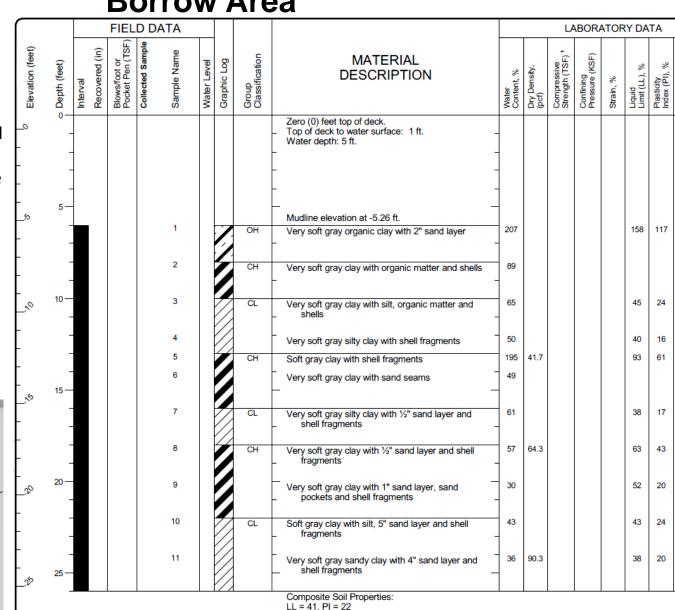


Borrow Area

- Geotechnical Sampling and Analysis indicates Clays with some Sand Layers & Shell **Fragments**
- **Expect to encounter sands and** shells
- No additional payment shall be made for shell dispersal or disposal (SP-2.1)

LIMITS OF PAY

NO EXCAVATION



MC = 46%Specific Gravity = 2.64 Organic Content = 1.4%

East MCA Containment

TS-300 Earthen Containment Dike

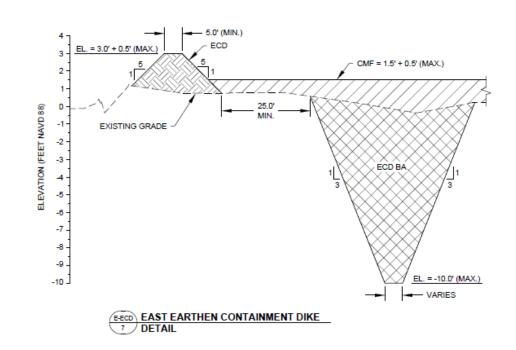
- ☐ 19,400 Linear Feet
- Crown Elevation: +3.0'+0.5'
 - Contractor Must Maintain ECD Through Construction
- ☐ 5' Crown Width
- **□** 5:1 (H:V) Side Slopes
- Interior Borrow
- 25' Minimum Distance from ECD Borrow
- Owner may Require Up to 20% of total ECD LF be Gapped/Degraded to MCA Elevation upon Final Acceptance
- Minimum 1' of Freeboard must be Maintained During Construction

Ratio of Effort:

- 90% upon Initial Acceptance
- 10% upon Final Acceptance

Measurement and Payment:

- Unit Price per Linear Foot for Bid Item No. 5, "Earthen Containment Dikes"
- ☐ Contractor may Request Partial Payments on minimum 1000' continuous & accepted sections



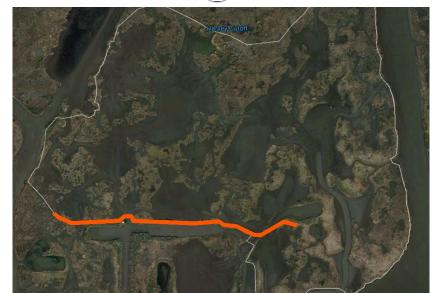


West MCA Containment

TS-300 Earthen Containment Dike

- → 3,300 Linear Feet
- ☐ Crown Elevation: +3.0′+0.5′
 - ☐ Contractor Must Maintain ECD Through Construction
- 5' Crown Width
- 4:1 (H:V) Side Slopes
- Interior Borrow
- 25' Minimum Distance from ECD Borrow
- ☐ Owner may Require Up to 20% of total ECD LF be Gapped/Degraded to MCA Elevation upon Final Acceptance
- Minimum 1' of Freeboard must be Maintained
 During Construction

EL. = -10.0' (MAX.) OMF = 1.5' ± 0.5' OMF = 1.5' ± 0.5' OMF = 1.5' ± 0.5' OMIN. EL. = 3.0' + 0.5' (MAX.) EXISTING GRAD EXISTING GRAD OMIN. OMIN. OMIN. EXISTING GRAD OMIN. OMIN.



Ratio of Effort:

- 90% upon Initial Acceptance
- 10% upon Final Acceptance

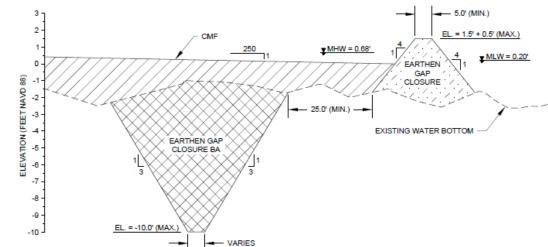
Measurement and Payment:

- ☐ Unit Price per Linear Foot for Bid Item No. 5, "Earthen Containment Dikes"
- ☐ Contractor may Request Partial Payments on minimum 1000' continuous & accepted sections

West MCA Containment

TS-310 Earthen Gap Closure

- 9 Gap Closures
- ☐ 2,875 Linear Feet Total
- Crown Elevation: +1.5'+0.5'
 - ☐ Contractor Must Maintain ECD Through Construction
- 5' Crown Width
- 4:1 (H:V) Side Slopes
- ☐ Interior Borrow
- ☐ 25' Minimum Distance from ECD Borrow





Ratio of Effort:

- ☐ 90% upon Initial Acceptance
- ☐ 10% upon Final Acceptance

Measurement and Payment:

- ☐ Unit Price per Linear Foot for Bid Item No. 6, "Earthen Gap Closures"
- No Partial Payments

West MCA Containment

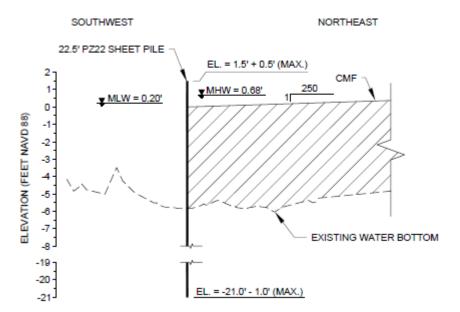
- TS-311 Sheet Pile Gap Closure
- ☐ PZ22 Sheet Pile
- 115 Linear Feet
- 2,545 Square Feet
- ☐ Tip Elevation: -21.0′-1.0′
 - ☐ Contractor Must Maintain Sheet Pile
 Closure Through Construction of West
 MCA
- \Box Top Elevation 1.5'+0.5'
- ☐ Tie into Adjacent Earthen Gap Closures
- ☐ Top of Sheet Pile will be cut to constructed grade upon Acceptance of the West MCA

Ratio of Effort:

- ☐ 90% upon Initial Acceptance
- 10% upon Final Acceptance

Measurement and Payment:

☐ Unit Price per Square Foot for Bid Item No. 7, "Sheet Pile Gap Closure"





Equipment Access

TS-330 Equipment Access Channels

- ☐ Turtle Bay is a Tier II Oyster Seed Ground
- ☐ All Equipment in Turtle Bay must be Floating at ALL Times and Remain in Designated Project Area
- ☐ 4' Average Water Depth
- **□** +0.68′ MHW
- □ +0.2′ MLW
- ☐ Both sides of Harvey Cut are Permitted for Booster Pump Anchorage



Access Dredging

TS-330 Equipment Access Channels Access Dredging

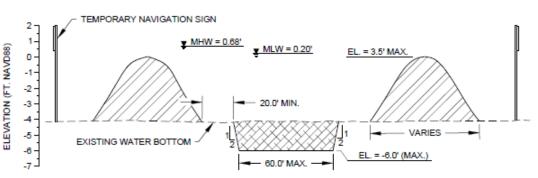
- 2 Permitted Access Dredging Channels
 - Harvey Cutoff to Borrow Area: Approx. 2,900'
 - Borrow Area to West MCA Sheet Pile Gap Closure: Approx. 2,200'
 - Max Bottom Elevation -6.0'
 - 60' Bottom Width
 - 2:1 (H:V) Side Slopes
 - Temporary Spoil to be Backfilled Prior to Demobilization
 - Temporary Spoil shall be marked with warning signs per TS-150
 - Unverified Pipeline potentially crossing both corridors

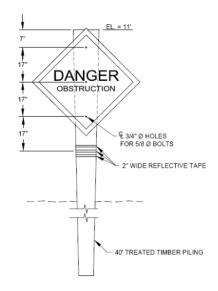
TS-330.8 Ratio of Effort

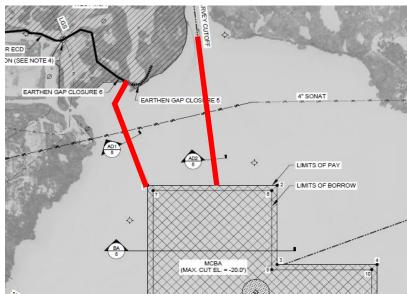
- ☐ 70% upon Initial Acceptance (Channel Dredged)
- ☐ 30% upon Final Acceptance (Channel Backfilled)

TS-330.9 Measurement and Payment

■ Payment shall be made at the Contact lump sum price for Bid Item No. 8, " Equipment Access Channels"







TS-400 Hydraulic Dredging and Marsh Fill

TS-400.5.1 Maximum Production Rate of Dredging Material ☐ Maximum Production Rate: **700CY/Hour per MCA** ☐ This is limitation is to promote material retention within MCA's ☐ The Engineer reserves the right to issue the Contractor a waiver of the maximum production rate and/or reinstate the maximum production rate dependent upon site conditions during placement of the dredged material. ☐ Placement of dredge material shall start in the West MCA (TS-400.4) The Contractor may place dredge material in both MCA's with prior approval from the Engineer ☐ The Contractor shall document the following daily: average hourly production rate maximum hourly production rate achieved volume of the dredged material placed into each marsh creation area average concentration of the dredged material (mg/L or units approved by the Engineer) every day of hydraulic dredging operations

TS-400 Hydraulic Dredging and Marsh Fill

TS-400.5.1 Maximum Production Rate of Dredging Material

- ☐ Exceed the maximum hourly production rate
 - The Contractor shall provide the Engineer a detailed summary of the hourly production rates for the previous 24 hour period
- ☐ Exceed the maximum hourly production rate 3 times or more
 - Cease dredging operations temporarily
 - Time equivalent to excess material placed at 700CY/Hour
- Borrow Area payment surveys discrepancy with Daily Progress Reports
 - Engineer reserves the right to deduct payment for quantities exceeding the maximum hourly production rate and reported operational hours
 - This quantity will be calculated by the Engineer

TS-400.11 Measurement and Payment

- ☐ Payment at unit price per cubic yard for Bid Item No. 9, Hydraulic Dredging and Marsh Fill
- ☐ Contractor may request partial payment on a monthly basis
 - Payment will be determined by process survey cross sections of borrow area
 - Any quantity of material dredged beyond limits of pay or placed above fill tolerance may be deducted from payment

East Marsh Creation Area (Fully Confined)

TS-400.5.2 East Marsh Creation Area

■ 370 Acres

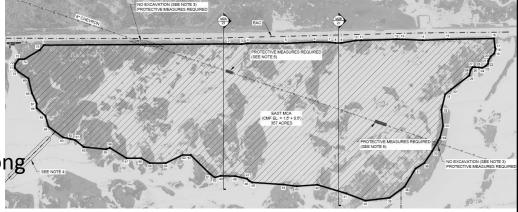
☐ Average Bottom Elevation -0.59'

☐ Target Marsh Fill Elevation +1.5′+0.5′

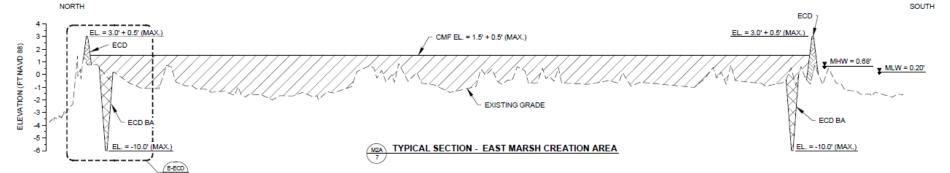
☐ Dewater Along Southern Boundary

No Dewatering into open water along
 Eastern & Western Boundaries or
 Camp Canal to the North

- 37 Grade Stakes
 - Locations to be provided in Work Plan and Approved by Engineer
- 8" Chevron Pipeline bisects MCA
 - Contractor to provide plan for protective measures for equipment crossing in Work Plan



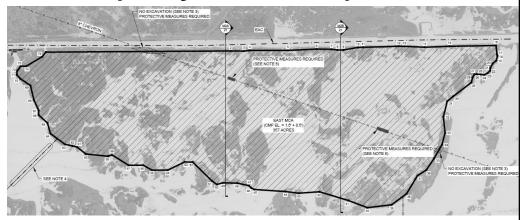
☐ Contractor must provide Little Lake
Hunting Club members a corridor to
cross dredge pipeline capable of
accommodating surface drive boats
south of the Hunting Camp

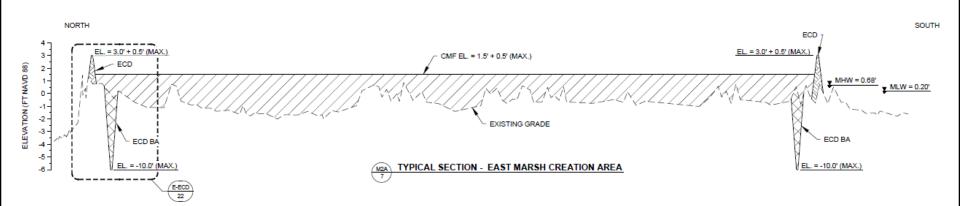


East Marsh Creation Area (Fully Confined)

TS-400.9 East MCA Acceptance

- Notify Engineer when Grade Stake elevations indicate target marsh elevation
- □ All Grade Stake readings must be within the tolerance in order to be accepted.
- ☐ Two days notice for topographic survey
- At least **80%** of the survey points must be within tolerance for the East Marsh Creation Area to be accepted.





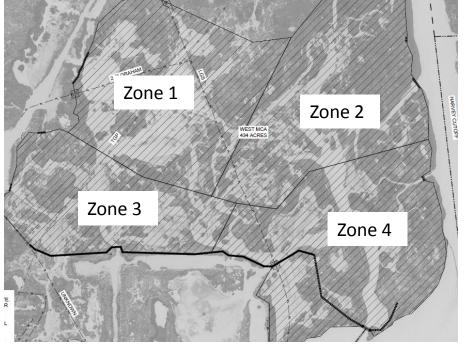
West Marsh Creation Area Fill (Semi Confined)

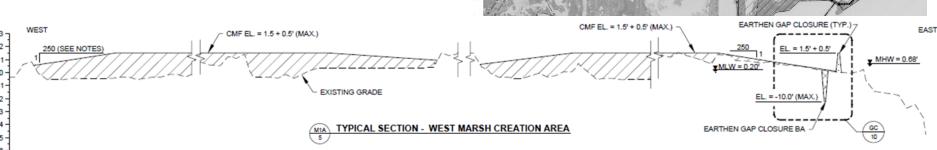
- 440 Acres
- Average Bottom Elevation 0.06'
- ☐ Target Marsh Fill Elevation +1.5′+0.5′
- ☐ Dewater toward Northern Boundary
 - No Dewatering adjacent bayous, canals, or Harvey Cut
- ☐ 44 Grade Stakes

ELEVATION (FT. NAVD88)

- Locations to be provided in Work Plan and Approved by Engineer
- ☐ Multiple Pipelines bisect MCA
 - Contractor to provide plans for protective measures for equipment crossings in Work Plan
- ☐ Discharge Zones are mislabeled in Plan Set
 - Will be Corrected in Addendum 1

Discharge Zone	Maximum Dredged Material Quantity (CY)
1	250,000
2	280,000
3	200,000
4	230,000





West Marsh Creation Area Fill (Semi Confined)

TS-400.5.3 West Marsh Creation Area

- ☐ Contractor will begin placement of dredge material in Discharge Zones 3 or 4
- □ Discharge Zones 3 & 4 must be completed before placement of dredge material in Discharge Zones 1 or 2
- ☐ May require multiple pipe movements within Discharge Zone until Max. Quantity is exhausted
- ☐ Engineer reserves the right to instruct the Contractor to utilize unused dredged material quantity from a completed Discharge Zone to assist in filling remaining Discharge Zones

Discharge Zone	Maximum Dredged Material Quantity (CY)
1	250,000
2	280,000
3	200,000
4	230,000
2 raph.	one 1 West MGA 484 ACRES
E CMF E	EASTHEN GAP CLOSURE (TYP.)7 EAST WILW = 0.68' MHW = 0.68'
ARSH CREATION AREA	EL. = -10.0' (MAX.) EARTHEN GAP CLOSURE BA GC 10

EXISTING GRADE

West Marsh Creation Area Fill (Semi Confined)

TS-400.10 West MCA Acceptance

- Notify Engineer when Grade Stake elevations indicate target marsh elevation or quantities for all discharge zones have been exhausted
- ☐ Two days notice for topographic survey
- ☐ At least **50**% of the survey points must be within tolerance for the West Marsh Creation Area to be accepted.
- ☐ If additional dredge material is required, the Engineer may require the Contractor to place additional material prior to acceptance.
- ☐ The Engineer reserves the right to instruct the Contractor to place additional material up to 25% of the base bid quantity at the original contract price per cubic yard.

ea Fill (S	emi Confined)
Discharge Zone	Maximum Dredged Material Quantity (CY)
1	250,000
2	280,000
3	200,000
4	230,000
Z Z	Zone 1 West MCA AMA ACRES

Zone 4

Zone 3

Schedule of Bid Items

Item No.	Work or Material	Quantity	Unit
1	Mobilization/Demobilization (TS-100)	1	LS
2	Construction Surveys (TS-210)	1	LS
3	Settlement Plates (TS-250)	12	Each
4	Instrumented Settlement Plates (TS-251)	1	LS
5	Containment Dikes (TS-300)	22,700	LF
6	Earthen Gap Closures (TS-310)	2,875	LF
7	Sheet Pile Gap Closures (TS-311)	2,545	SF
8	Equipment Access Channels (TS-330)	1	LS
9	Marsh Creation (TS-400)	2,286,000	CY

Notice to Mariners and Aids to Navigation (TS-150)

- 1. A copy of the Notice to Mariners shall be provided to the Engineer prior to dredging or excavation.
- 2. After consultation with the USCG, the contractor shall provide the type and location of any necessary aids to navigation to the Engineer.

Contractor Notifications

- 1. Land owners, utility operators and Louisiana One-Call prior to construction;
- 2. Engineer before performing surveys and after field work is complete;
- 3. Engineer regarding noncompliance with permit conditions (Borrow area, etc.);
- 4. Engineer regarding dike breaches;
- 5. Engineer regarding discovery of historical or cultural artifacts;
- 6. Engineer regarding Request for Final Inspection.

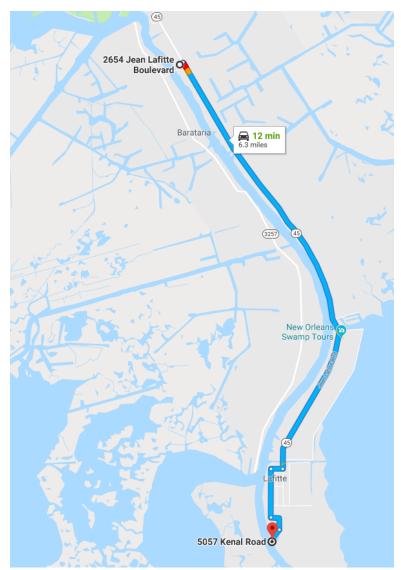
Highly Encouraged Job Site Visit

1pm at Boat Launch at Nick's Marina 5057 Kenal Rd, Lafitte, LA 70067

Each Prospective Bidder must provide own transportation

Only Opportunity to Inspect Marsh Creation Areas (Private Land)

Bidders are highly encouraged to visit Turtle Bay Borrow Area (Publicly Accessible)



Northwest Turtle Bay Marsh Creation

Recap

- ☐ Highly Encouraged Job Site Visit Today at 1pm
 - Meet at Nick's Marina Boat Launch
 - 5057 Kenal Rd, Lafitte, LA 70067
- ☐ Bid Opening: 2:00 P.M. Thursday January 24th
- ☐ Please submit Questions regarding the bid by COB Monday, January 14th

cpra.bidding@la.gov