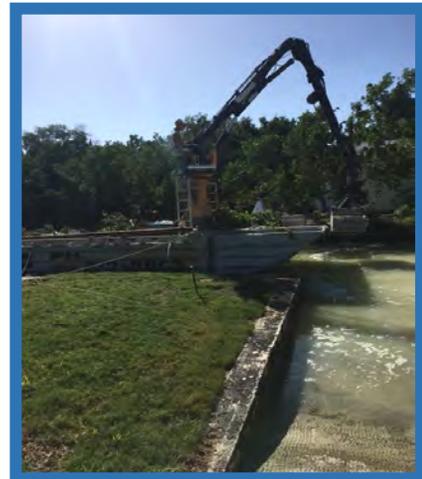




**CONSTRUCTION ENGINEERING INSPECTION REPORT**  
**CANAL#266 ORGANIC REMOVAL RESTORATION PROJECT**  
**DOCTOR'S ARM BETWEEN BAILEYS AND WITTERS LANES BIG PINE KEY**  
**MONROE COUNTY, FLORIDA KEYS**



PREPARED BY:

**AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE, INC.**  
5845 N.W. 158<sup>th</sup> Street  
Miami Lakes, Florida 33014

Amec Foster Wheeler Project No. 6783-14-2614

April 2016



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## 1.0 BACKGROUND/PURPOSE

The purpose of this report is to document the completion of organic muck removal activities in a canal located in Big Pine Key, FL (Canal #266). This project is one of the Monroe County Canal Restoration Demonstration Projects testing various canal water quality improvement technologies. *Poor* water quality conditions have been noted in this canal, including low dissolved oxygen levels. The presence of significant seaweed entry into the canal and lack of tidal flushing are the primary reasons for the noted *Poor* water quality. The Monroe County *Canal Management Master Plan*, which addresses all of the County residential canals, recommended that a restoration technique for improving the water quality in this canal is the removal of the decaying organic material from the canal bottom and the installation of an upgraded weed barrier at the canal mouth to prevent future seaweed entry. The purpose of the organic muck removal is to significantly reduce the organic material at the bottom of the canal and increase the dissolved oxygen to levels that can support marine life and native habitat.

### 1.1 PROJECT AREA

The project area is Canal #266 located in Doctor's Arm between Witters and Baileys Lanes in Monroe County, Big Pine Key, Florida; Section 14 & 25, Township 66 S, Range 29 E, (Latitude: 24°41'56" North; Longitude: - 81°21'01" West). **Figure 1** provides a site location map.

Figure 1



## **1.2 PROJECT OVERVIEW**

The project consisted of removing 8,300 cubic yards of organic muck within 47,916 square foot area to a maximum of -10.4 feet mean low water depth and placing approximately 890 cubic yards of sand distributed 6 inches thick throughout the canal system to promote benthic growth. Material was excavated using a hydraulic vacuum dredge. The vessel based vacuum dredge pumped the material through a temporary transmission line to a land side staging area for dewatering. This dewatering system included shakers to screen out larger materials, polymers to assist in settling out solids, and two belt pressers that squeezed out the water. The separated water was discharged back into the canal following local, state and federal permitting requirements. The canal water was turbid during the dredging therefore turbidity curtains were placed at the canal mouth to prevent the turbidity from entering the Marine Sanctuary waters. After completion of the organic removal, an upgraded temporary homeowner air curtain will be installed at the canal mouth. The elevations of the canal bottom were surveyed to ensure compliance with the required final dredged and sand fill elevations. All work was done per design and permit requirements.

## **2.0 CONSTRUCTION ENGINEERING & INSPECTION**

Amec Foster Wheeler provided construction engineering and inspection services for the oversight of the canal restoration project to ensure that all permit requirements and design specifications were followed. The field activities extended from May 28<sup>th</sup>, 2015 through December 28<sup>th</sup>, 2015 with additional sand placement taking place on January 4<sup>th</sup>, 2016. Turbidity and endangered species monitoring was required during the in water work associated with the canal restoration. An activity summary table is provided below.

### **2.1 SUMMARY OF ACTIVITIES**

General Field notes were prepared each day of construction and photo documentation of the activities were collected. The table below provides a weekly summary.

**Table 1. Weekly Construction Summary**

Construction Week	Activities Description
Week 1: May 25 to 30	Park Coastal Surveying performed pre dredging survey on May 29 <sup>th</sup> . Turbidity curtain stretched for inspection and work on its anchor system completed.
Week 2: June 1 to 6	Maintenance of Traffic plan started, and placement of main line and dredge completed. Three turbidity curtains were installed and secured, main line tightened, and dredge moved to fist dredging location on June 2 <sup>nd</sup> . Monroe County performed inspection for temporary construction fencing on June 3 <sup>rd</sup> . Received first delivery of roll off container.
Week 3: June 8 to 13	Received and installed wash water booster pump motor. Jeff Verbance arrived on site on June 10 <sup>th</sup> to review progress and address quality control and plan implementation. Both presses are operational. DEP inspected turbidity in the canal and took photos in response to a complaint on June 11 <sup>th</sup> . JND completed fill of three roll off bins and exchanged them.
Week 4: June 15 to 20	Stormy Marine repaired braces to the concrete pillars located at the mouth of the canal and a new polymer injection system was placed. Amec Foster Wheeler noticed turbid water seeping from bottom of turbidity curtain. Operations were shut down and the problem was addressed with anchor blocks and dredging continued. Manatee signs were delivered and installed at the mouth of the canal. Fencing was also delivered and installed.
Week 5: June 22 to 27	JND completed fill of a sixth roll off bin this week. Representatives from the county arrived on site to review project progression. Dredged moved to the final cut of the current section. A reduced polymer was injected at the feed tank. All the equipment on site were serviced including both presses. Godwin pumps were also serviced by Godwin tech.
Week 6: June 29 to July 4	33% of the canal has been dredged and processed. JND made minor adjustments to the turbidity curtains on the south side mouth concrete pillar. JND performed a China Clay test on July 1 <sup>st</sup> .
Week 7: July 6 to 11	A safety coordinator from Amec Foster Wheeler reviewed safety procedures with dredging team on July 6 <sup>th</sup> . Support bolts for the turbidity curtains were replaced. Issues with belts on dewatering equipment are continuing.

Construction Week	Activities Description
Week 8: July 13 to 18	Some probing was done to better understand what type of material will be encountered during this stage of the dredging process. Monroe County approved running operations on Saturdays, on July 15 <sup>th</sup> .
Week 9: July 20 to 25	Park Coastal Surveying performed its first post dredge survey on July 24 <sup>th</sup> . John coffin visited the site on the same day to discuss sand capping procedures. Large amounts of debris are continually being removed from the canal.
Week 10: July 27 to August 1	A water sample for residual polymer was sent out for testing. Survey results were received and a strategy was discussed to complete project within the time frame. On July 29 <sup>th</sup> , JND had to make minor adjustments to the turbidity curtain to prevent leakage. The dredge was moved 120 ft. into the canal.
Week 11: August 3 to 8	Jeremy Paris from Amec Foster Wheeler reviewed environmental issues on site. Commissioner Heather Carruthers and Mr. Maurer also arrived onsite for a tour on August 4 <sup>th</sup> . On August 8 <sup>th</sup> , Amec Foster Wheeler representatives, Jeremy, Greg, and Wendy performed three public site tours. A rep from FDEP was also present. Maintenance on all equipment was performed.
Week 12: August 10 to 15	JND finalized their NTP date and substantial completion date for Amec on August 14 <sup>th</sup> . Removed rubber strip from bottom of auger in order to get closer to the bottom of the canal. Dredging operated smoothly and both machines processed for most of the week.
Week 13: August 17 to 22	Filled 2 roll off bins. Also received quote for xylem generator but it ended up being the wrong size. Dredge was turned around to face the mouth of the canal.
Week 14: August 24 to 29	JND submitted a sketch to Amec Foster Wheeler of Coffin Marine's intended area use on Witter's Lane. Preparations were made for the upcoming storm by securing the turbidity curtain and the dredge in the canal by tying it all four ways.
Week 15: August 31 to September 5	Received an official copy of the Amendment 2 for Canal 266 substantial completion date change. JND received dredge results for the pre storm survey and concluded that there isn't as much material ahead, towards the mouth of the canal, as they had initially suspected. Travis from Park Coastal Surveying performed the post dredge survey on September 2 <sup>nd</sup> . Issues continued with dewatering equipment.
Week 16: September 7 to 12	Operations continued with one of the dewatering equipment while the other was under repair. JND removed a large palm tree trunk, 17 feet long, out of the canal on September 8 <sup>th</sup> . The pipeline was moved to allow

Construction Week	Activities Description
	<p>more accurate jetting into the 5 foot buffer. On September 11<sup>th</sup>, a visitor who resides on the south side of the canal expressed concerns about not dredging within the five foot buffer. On September 12<sup>th</sup> the dredge arrived in an area where there are a lot of rocks and roots from the mangrove trees. Several areas were noted where the dredge operator encountered a number of low pockets of open space at the canal floor.</p>
<p>Week 17: September 14 to 19</p>	<p>The two foot, ball valve on the jetting system broke on September 14<sup>th</sup> and was replaced on the same day. On September 16<sup>th</sup> the mainline on the dredge pulley system snapped twice.</p>
<p>Week 18: September 21 to 26</p>	<p>Dredging operated smoothly and both machines processed for most of the week.</p>
<p>Week 19: September 28 October 3</p>	<p>Dredging operated smoothly and both machines processed for most of the week.</p>
<p>Week 20: October 5 to 10</p>	<p>Dredged was about 250 feet away from the mouth of the canal, on October 6<sup>th</sup>. As of October 12<sup>th</sup> we had filled a total of 60 roll of bins with dredged material.</p>
<p>Week 21: October 12 to 17</p>	<p>Dredging and dewatering finished on October 14<sup>th</sup> and surveyor mobilized to obtain any residual muck thickness.</p>
<p>Week 22: October 19 to 24</p>	<p>Surveyor provided data to Monroe County and Amec Foster Wheeler for approval.</p>
<p>Week 23: October 26 to 31</p>	<p>Dredging and dewatering process completed on October 26. Bathymetric survey approved by both County and Amec Foster Wheeler. Sand Capping mobilization started. Turbidity curtain was temporarily opened on October 28 to allow JND to move the dredge out. Coffin Marine Barge moved in on October 29. One belt press moved from 266 to 290.</p>
<p>Week 24: November 2 to 7</p>	<p>Demobilization of dewatering and dredging equipment. Mobilization of sand capping equipment.</p>
<p>Week 25: November 9 to 14</p>	<p>Coffin Marine started sand capping this week.</p>

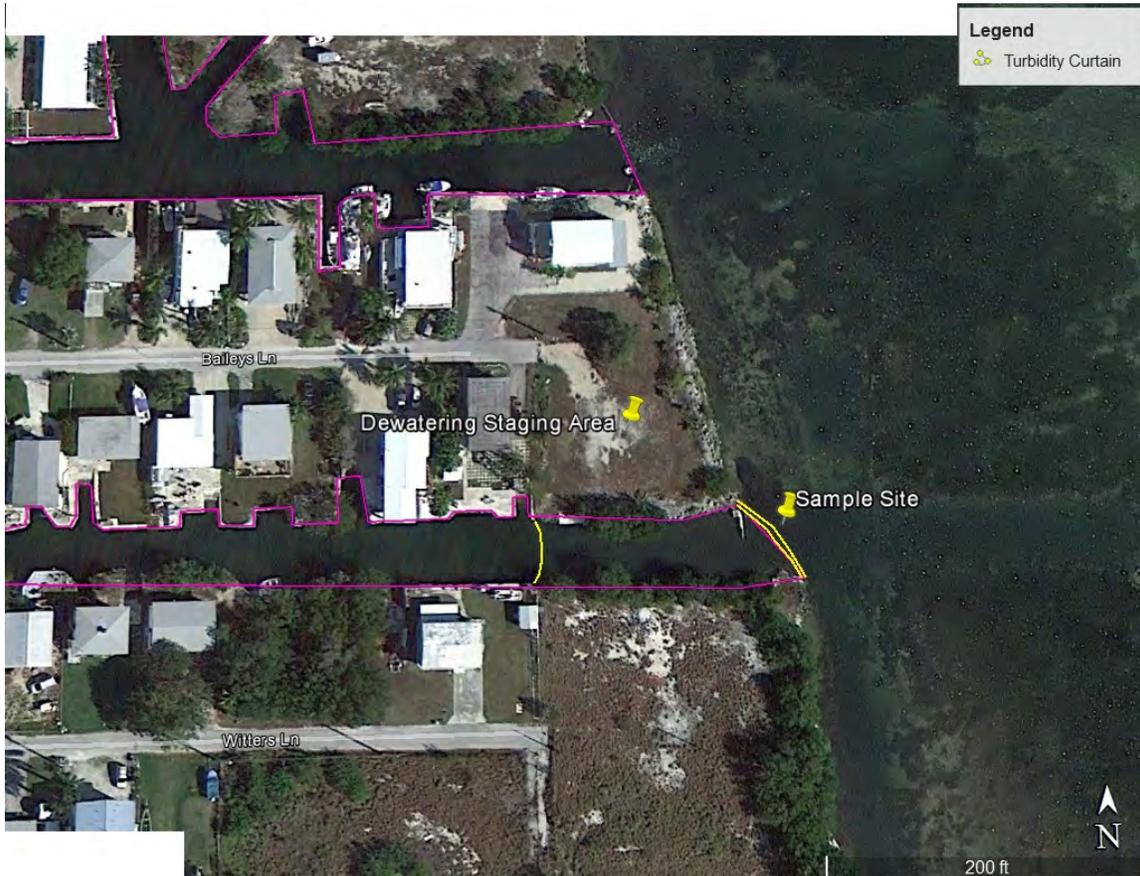
Construction Week	Activities Description
Week 26: November 16 to 21	Sand capping progressing
Week 27: November 23 to 28	Sand capping was put on hold due to JND being unable to provide sand.
Week 28: November 30 to December 5	Sand capping was put on hold due to JND being unable to provide sand.
Week 29: December 7 to 12	Sand capping was put on hold due to JND being unable to provide sand.
Week 30: December 14 to 19	Sand Capping operations continued
Week 31: December 21 to 25	Sand capping operations approximately 130 feet from the mouth of canal.
Week 32: December 28 to January 2	JND submitted sand capping survey on December 28 and Amec Foster Wheeler reviewed and provided JND with areas that did not meet contract requirements.
Week 33: January 4 to 8	Coffin Marine placed additional sand within areas that did not meet the contract requirements. Additional sand capping completed January 5.
Week 34: January 11 to 15	Monroe County approved JND to demobilize. Coffin Marine removed equipment from the canal on January 16 <sup>th</sup> , 2016. Existing homeowner weed gate and blower system was installed and operating on the same day. JND will have 30 days from the Substantial Completion to submit all final project documentation.

## 2.2 SUMMARY OF TURBIDITY MONITORING

Water quality samples were taken to ensure that turbidity measurements were in compliance with South Florida Water Management District (SFWMD) Permit No. 44-00573-P, U.S. Army Corps of Engineers (USACE) Permit No. SAJ-2014-03356 (SP-MIB), and Florida Keys National Marine Sanctuary (FKNMS) Permit No. FKNMS-2014-174. Per State requirements, turbidity within Florida Outstanding Waters is not to exceed an increase of 0 NTU above background levels outside the canal mouth. Water samples were collected using Florida Department of Environmental Protection (FDEP) Standard Operating Procedures (SOP), and turbidity was measured using a Hach 2100Q portable turbidity monitor. The turbidity meter was calibrated every day prior to processing water samples.

Throughout the course of the project turbidity reading was taken at one location once a day during an outgoing tide (**See Figure 2: Water Quality Sample Site Map**). The sample site was taken just outside the canal mouth to the east to document compliance with a 0 NTU increase within the Florida Outstanding Waters. The water sample was taken to measure turbidity at 1 foot below the water's surface. An initial sample was collected the week prior to dredging and dewatering activities within the canal and averaged to establish a background turbidity value (see table below).

**FIGURE 2: WATER QUALITY SAMPLE SITES**



Over the course of the project the turbidity at the sample site was mostly consistent within background levels. Increased turbidity levels at the sample site was correlated to natural factors that increased the bay water background levels such as high winds and rough waters which suspended particles within the bay. The table below summarizes the average turbidity measurements at the sample site compared to background turbidity levels.

**Table 2. Average Turbidity Measurements**

Sample Locations	Turbidity Measurements (NTUs)	
	Average Background at 1'	Average at 1'
Sample Site	6.3	7.4

**Conclusion:** Through the course of this project, turbidity did not have any major impacts on the project's progress. Turbidity readings at the sample site outside the canal were mostly consistent with background levels. There were some days where turbidity measurements were slightly greater than 1 NTU above background but this correlated to natural environmental factors outside the canal such as high wind and rough waters. Water quality outside of the canal remained unaffected by the construction activities based upon continuous visual observations during construction activities.

### 2.3 SUMMARY OF THREATENED AND ENDANGERED SPECIES ISSUES

The project site is located within an area accessible to and within the known habitat of several Federal and State listed endangered and threatened species. The species of environmental concern include the West Indian manatee (*Trichechus manatus latirostris*), the smalltooth sawfish (*Pristis pectinate*), and the Kemp's ridley sea turtle (*Lepidochelys kempii*), leatherback sea turtle (*Dermochelys coriacea*), loggerhead sea turtle (*Caretta caretta*), green sea turtle (*Chelonia mydas*), and hawksbill sea turtle (*Eremochelys imbricate*). The West Indian manatee and smalltooth sawfish were the species most likely to be encountered and a brief description of these animals and their involvement with the project are discussed below:

**West Indian manatee** -Manatees have large, seal-shaped bodies with paired flippers and a round, paddle-shaped tail. They are typically grey in color (color can range from black to light brown) and occasionally spotted with barnacles or colored by patches of green or red algae. The muzzle is heavily whiskered and coarse, single hairs are sparsely distributed throughout the body. Adult manatees, on average, are about nine feet long (3 meters) and weigh about 1,000 pounds. At birth, calves are between three and four feet long (1 meter) and weigh between 40 and 60 pounds. The West Indian manatee is listed as endangered by the USFWS, and is federally protected by the Marine Mammal Protection Act of 1972 and the Endangered Species Act of 1973. West Indian manatees are also protected in the state of Florida by the Manatee Sanctuary Act of 1978.

**Smalltooth sawfish** – Sawfish have long, flat snouts edged with pairs of teeth which are used to locate, stun, and kill prey. They have 25-29 teeth per side. Smalltooth sawfish

are listed as endangered by the USFWS. Their diet includes mostly fish but also some crustaceans. Adult smalltooth sawfish are occasionally found inshore but most commonly found in deeper water. Juveniles most often inhabit brackish water within a mile of land. They can be found in a wide range of habitats, including mud bottoms, sand bottoms, oyster bars, red mangrove shorelines, docks, seawall-lined canals and piers.

**Conclusion:** The project was not affected by the presence of threatened and endangered species. There were no sightings of manatees, smalltooth, sawfish, or sea turtles.

## 2.4 COMPLIANCE WITH PERMIT AND DESIGN SPECIFICATIONS

To assist with the dewatering process a polymer was added to the organic muck slurry to bind the material to expedite the dewatering process. The polymer was added a designed dosage rate in accordance with SFWMD Permit No. 44-00573-P and USACE Permit No. SAJ-2014-03356 (SP-MIB). Based on the permits JND was required to take daily residual polymer test from the effluent discharging back into the Canal. Throughout the course of the dewatering process, JND handled the polymer residual to the permitted level by implementing a clarifier tank to improve contact time and reduce concentrations. Copies of photo documentation are included in **Attachment A**.

JND met the contract requirements and successfully removed the organic muck material on the canal bottom. JND exhibited a sediment thickness less than 3 inches along the canal bottom using sediment probes collected at a point density of 200 square feet or less. JND subcontracted Coffin Marine who met the contract requirements and successfully placed a six inch layer of sand on the canal bottom. JND exhibited a sand thickness of 0.5 feet on average over a 200 square foot area above the bottom organic removal elevation. Copies of the surveys are included in **Attachment B**.

The staging areas were restored to preconstruction conditions. Letters stating that the owners of the staging area property approved the final restoration were obtained. Copies of these letters are included as **Attachment C**.

A punch list detailing the completion of the required project elements is provided below. The project was completed per all design and permit requirements. Permit close out documents are included as **Attachment D**.

**2.5 CONTRACT ADMENMENTS AND CHANGE ORDERS**

Throughout the duration of the April 15, 2015 Agreement between Monroe County BOCC and JND, Monroe County approved the following JND requested contract amendments and change orders to complete the project, see table below.

Contract Modifications	Description	Date Approved
Amendment #1	Authorize the County to mail payments under the contract to Dayhill Group for disbursement under the contract rather than mailing payments directly to the contractor.	June 10, 2015
Amendment #2	Authorize operational hours from 8:00 am to 6:00 p.m. Monday through Saturday	July 15, 2015
Change Order #1	Time extension for substantial completion by 28 days due to slower than anticipated production rate. The substantial completion date is extended from September 18, 2015 to October 16, 2015. Approval to use Prestol K274FLX polymer. JND has tested this polymer and has indicated that it will increase their production rate.	September 1, 2015
Change Order #2	The time extension allowed for substantial completion for Canal #266 shall be for 28 days, and is due to a slower than anticipated production rate. The substantial completion date is extended from October 16, 2015 to November 14, 2015 for Canal #266. The time extension allowed for substantial completion for the combined Canal #266 / Canal #290 project shall be for 60 days, and is due to a slower than anticipated production rate and also JND's attempt to remove the majority of the material within the five foot buffer zone. The combined project substantial completion date shall be extended from November 6, 2015 to January 6, 2016. JND shall make a reasonable effort to remove the majority of organic material within the five foot buffer zone along both sides of Canal #290. JND may contact the homeowners in an attempt to obtain releases of liability, and shall document the process. Copies of the documentation shall be provided to the County at the County's request. If the homeowner(s) refuse to provide the Release, it is at JND's option to proceed with organic removal within the five foot buffer zone for the parcel(s) for which no Release has been obtained. For all government owned parcels and all homeowner parcels for	October 26, 2015

	which a Release has been obtained, JND shall remove as much of the muck in the buffer zone as reasonably possible. Material shall be removed to an average level of 0.75 foot or better throughout the 5 foot buffer zone.	
Amendment #3	Authorize the County to mail invoice payments payable to JND to the Allied World Surety (Contractors Surety Company) for disbursement	November 17, 2015
Change Order #3	The time extension allowed for substantial completion for Canal #266 shall be for 21 days, and is due to a slower than anticipated production rate and additional time required to place the sand top layer. The substantial completion date is extended from November 14 to December 5, 2015 for Canal #266.	November 18, 2015
Change Order #4	The time extension allowed for substantial completion for Canal #266 shall be for 28 days, and is due to a slower than anticipated production rate and additional time to insure proper completion of the six inch sand layer. The substantial completion date is extended from December 5, 2015 to January 3, 2016 for Canal #266.	December 18, 2015
Change Order #5	The time extension allowed for substantial completion for the combined Canal # 266 / Canal #290 project shall be for 14 days, and is due to time needed to secure the supply of new polymers Praestol K 274 FLX Flocculant for the Canal #290 site. The substantial completion date is extended from January 6, 2016, to January 20, 2016 for the combined Canal #266 / Canal #290 project. Titan Marine, LLC is being added as a subcontractor to assist in increasing the efficiency of the dewatering process.	February 24, 2016
Change Order #6	Time extension for substantial completion for Canal #266 only by 9 days due to delays in receipt of vendor final release of liens. The substantial completion date is extended from January 3 <sup>rd</sup> , 2016 to January 12 <sup>th</sup> , 2016.	February 24, 2016
Change Order #7	Time extension for substantial completion for Canal #266 by 30 days due to delays in receipt of vendor final release of liens. The substantial completion date is extended from January 12 <sup>th</sup> , 2016 to February 11 <sup>th</sup> , 2016.	March 11, 2016
Change Order #8	Time extension for substantial completion for the combined Canal #266 / Canal #290 project shall be 51 days due to delays in payment to vendors at Canal #266. The substantial completion date is extended from January 20 <sup>th</sup> , 2016 to March 11 <sup>th</sup> , 2016. Contract deduction for the combined Canal #266 / Canal #290 project shall be \$106,952 due to the Contractor removing 57 truckloads of the allocated not to exceed 173 truckloads at a rate \$922 per truckload.	March 23, 2016
Change Order #9	Contract increase for the combined Canal #266 / Canal #290 project shall be \$9,345 for post sediment bathymetric and core survey for Canal #290. The surveyor will collect bathymetric data for the entire Canal #290 footprint as well as 40 feet outside the mouth. The surveyor will collect 3 sediment cores in the center of the canal starting 15' from the mouth of the canal, with 15' between each core. The surveys will follow the guidelines set forth in the Contract documents.	April 1, 2016



Project: Canal #266 Organic Removal Canal Water Quality Improvement Demonstration Project  
 Location: Doctor's Arm, Big Pine Key, Florida  
 Contractor: JND Thomas, Inc.  
 Date: 11-Feb-16

ITEM NO.	DESCRIPTION	REQUIRED QUANTITY	OBSERVED QUANTITY	COMMENTS
1	Mobilization and Demobilization	1	1	All equipment was brought to the site as per the contract and removed from the project at project completion.
2	Maintenance of Traffic	1	1	MOT was adequately addressed through signage, construction barricades at corners, radio communications, and site personnel directing truck traffic to the staging area.
3	Organic Muck Removal	1	1	The organic muck was removed using vacuum dredging and mechanical dewatering techniques.
4	6' Construction Temporary Privacy Fencing with Screen	300	300	Temporary fencing with privacy screening was installed and maintained throughout the project.
5	Floating Turbidity Barrier (mouth of canal and as required around construction area to control turbidity within permit requirements)	2	3	An additional turbidity barrier required to maintain 0 NTU above background in Outstanding Florida Waters.
6	Sand Capping (6" along bottom)	1	1	A minimum of 6" of sand was placed along the bottom of the canal following organic muck removal to provide benthic habitat proliferation.
7	Construction Surveys (Organic Removal As-Built and Sand Capping As-Built)	2	2	Organic Removal and Sand Capping surveys met the requirements set forth in the contract documents.
8	Rehabilitation of Dewatering Area and Sand Capping Staging Areas to Original Condition	1	1	All equipment was removed from the staging areas upon completion of the project. The staging areas were rehabilitated to match original condition. Property owners approved the restoration activities.

PROJECT CLOSEOUT DATE: February 11<sup>th</sup>, 2016

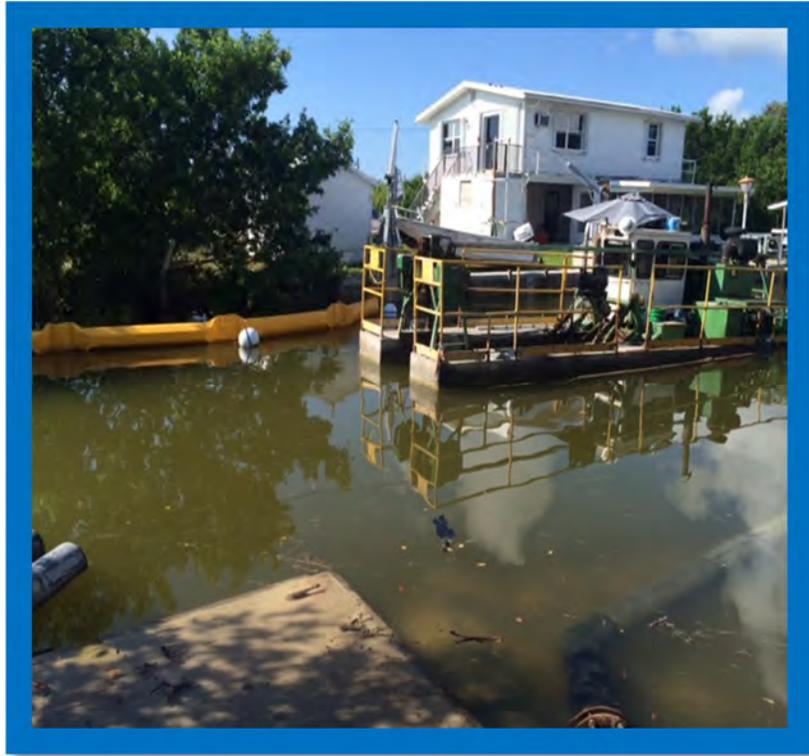
SIGN OFF ON COMPLETION: \_\_\_\_\_  
 PRINTED NAME: Greg Corning

## **ATTACHMENT A**

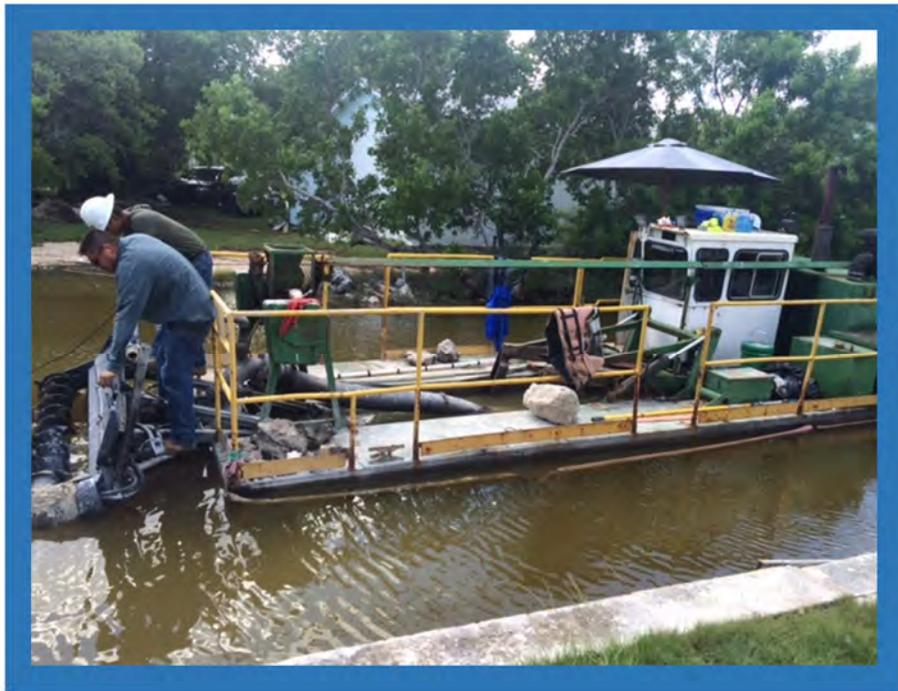
### **PROJECT PHOTOGRAPHS**



Shakers screening out the larger materials.



Vessel based Vacuum Dredge.



Dredge pulling out larger materials out of canal with attached auger.



Open-top roll of container storing spoils that were processed through belt presses.



Turbidity curtain.



Staging area post construction – Lajune property.



Canal 266 post construction.



Sand Capping.



Newly installed air pumps.



Staging area – Shearin property.



Sand capping cont.



Staging area.

*MONROE COUNTY CANAL #266*  
*AMEC FOSTER WHEELER PROJECT NO. 6783-14-2614*  
*APRIL 21, 2016*

## **ATTACHMENT B**

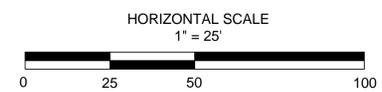
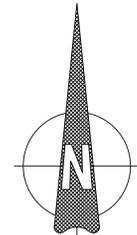
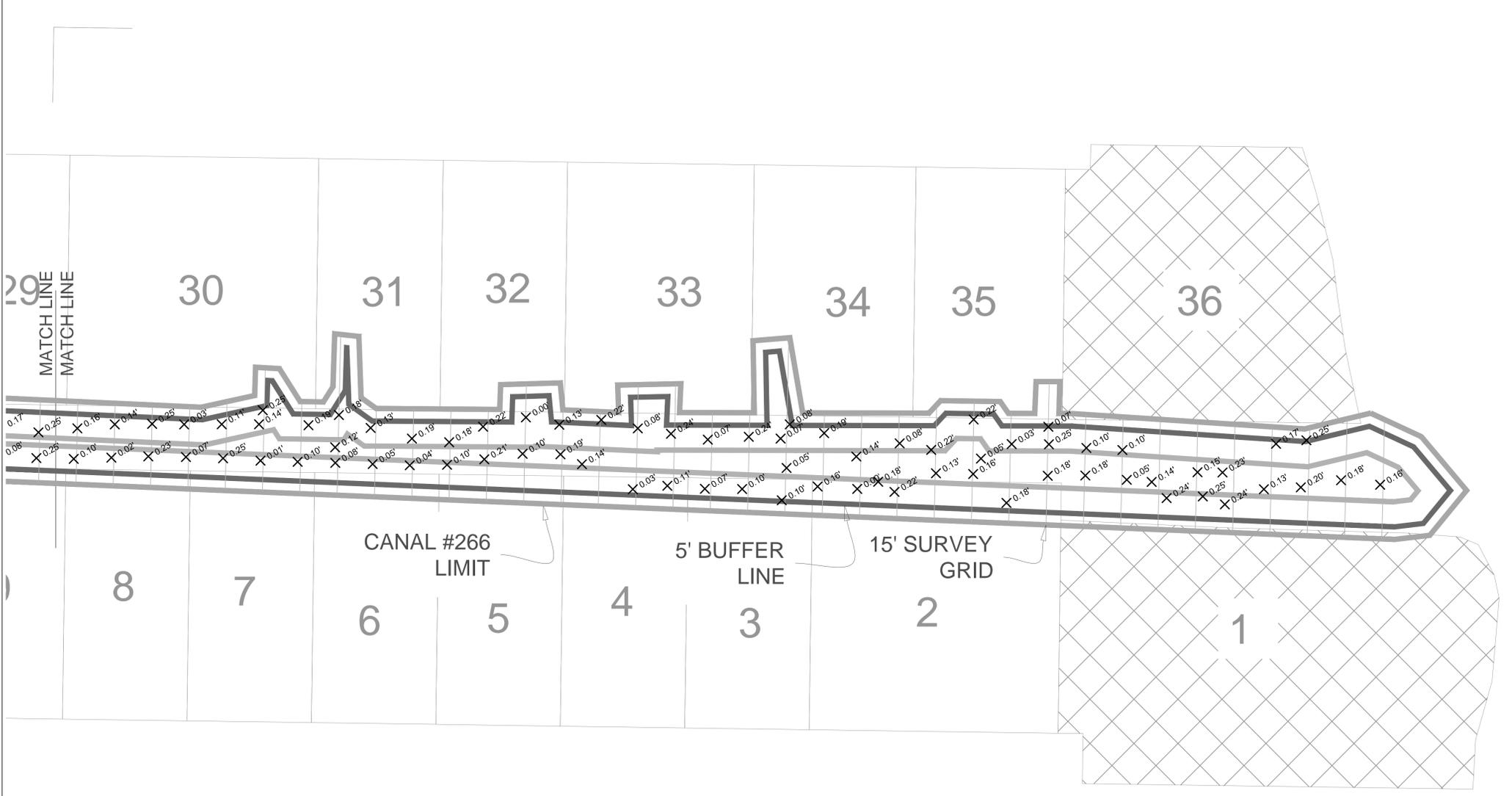
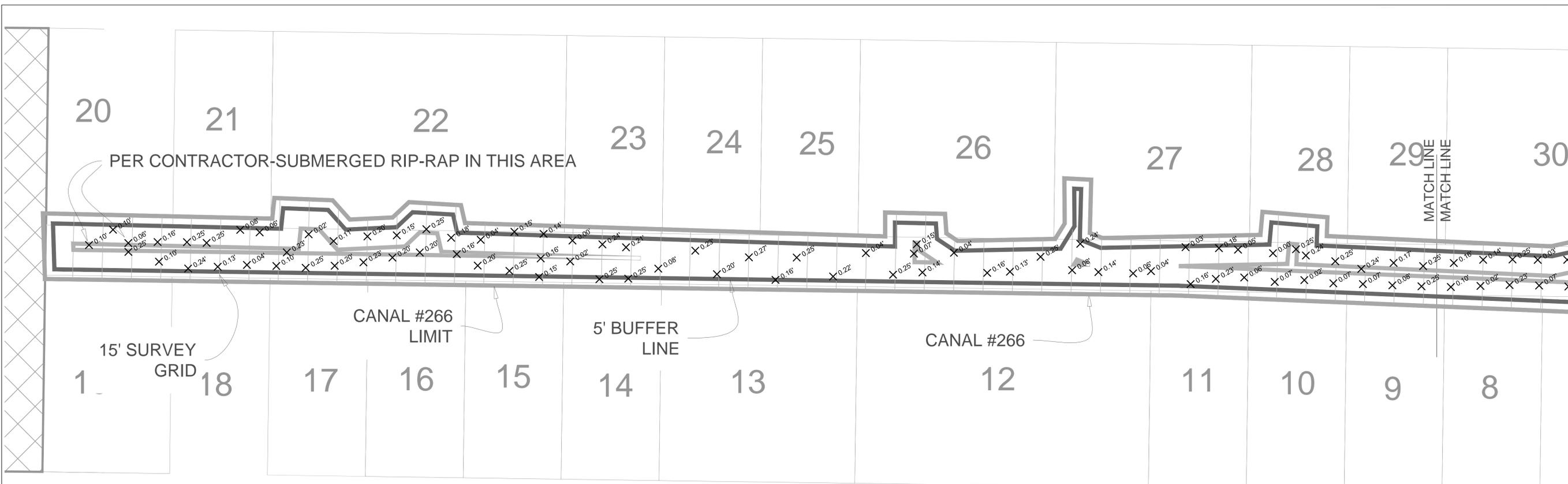
### **SURVEYS**



470 Treasure Road, Venice, FL 34293  
L.B. #7915  
Phone #941.493.7060 Fax #941.375.0096

THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

Travis D. Park, P.S.M.  
Florida Surveyors Registration # 6731



**LEGEND**

BM	BENCHMARK
EL.	ELEVATION
P.S.M	PROFESSIONAL SURVEYOR AND MAPPER
CY	CUBIC YARDS
NAVD	NORTH AMERICAN VERTICAL DATUM
x0.25'	TYPICAL SEDIMENT READING
—	PARCEL BOUNDARIES

**SURVEY NOTES**

- BEARINGS SHOWN HEREON ARE BASED ON GRID NORTH OF THE NORTH AMERICAN DATUM OF 1983 (2011) FLORIDA EAST ZONE (AS PER PROJECT CONTROL POINTS).
- PARCEL BOUNDARIES, CANAL LIMITS, & FIVE (5) FOOT BUFFER SHOWN WERE PROVIDED BY THE ENGINEER OF RECORD
- THE LOCATION OF UTILITIES, FOUNDATIONS OR STRUCTURES, IF ANY, BENEATH THE SURFACE HAS NOT BEEN DETERMINED.
- THIS SURVEY DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF THE PARTY OR PARTIES CERTIFIED TO BELOW FOR THE EXPRESS PURPOSE STATED HEREON AND/OR CONTAINED IN THE CONTRACT BETWEEN PARK COASTAL SURVEYING, LLC. AND THE CLIENT FOR THIS PROJECT. COPYING, DISTRIBUTING, AND/OR USING THIS DRAWING, IN WHOLE OR IN PART FOR ANY PURPOSE OTHER THAN ORIGINALLY INTENDED WITHOUT WRITTEN CONSENT FROM PARK COASTAL SURVEYING, LLC. IS STRICTLY PROHIBITED, AND RENDERS THE SURVEYORS CERTIFICATION, SIGNATURE, AND SEAL NULL AND VOID. ANY QUESTIONS CONCERNING THE CONTENT OR PURPOSE OF THIS DRAWING SHOULD BE DIRECTED TO PARK COASTAL SURVEYING, LLC.
- THIS SURVEY IS SUBJECT TO PERTINENT EASEMENTS, RIGHTS OF WAY AND RESTRICTIONS OF RECORD, IF ANY.
- THE SURVEY DEPICTED HEREON IS NOT INTENDED TO SHOW THE LOCATION OR EXISTENCE OF ANY WETLAND OR JURISDICTIONAL AREAS.
- VALUES SHOWN (x0.25' TYP) ARE THE SEDIMENT THICKNESS AT THAT LOCATION AND ARE IN US SURVEY FEET.
- DATA SHOWN WAS OBTAINED WITH AN ODOM CVM FATHOMETER WITH A DUAL FREQUENCY TRANSDUCER (200/24 KHz) AND A TRIMBLE 5800 RECEIVER WITH RTK CORRECTIONS FOR POSITIONING AND REAL TIME TIDE READINGS.
- SONAR DATA WAS VERIFIED VIA RANDOM MANUAL SOUNDINGS.
- SURVEY DATA SHOWN HEREON WAS COLLECTED ON 10/12/2015 AND CAN ONLY BE CONSIDERED INDICATIVE OF THE CONDITIONS AT THAT TIME.
- SONAR DATA WAS REDUCED TO THE DATA SHOWN AS PER THE PROJECT SPECIFICATIONS AND PER THE DIRECTIONS OF THE ENGINEER OF RECORD.

Title: HYDROGRAPHIC SURVEY - SEDIMENT THICKNESS REPORT

Client: JND THOMAS, INC.  
Description: AFTER DREDGE HYDROGRAPHIC SURVEY OF CANAL #266

REVISIONS	By	Date	Description

Project Manager.	TDP
Drawn By.	TDP
Checked By.	CCP
Field Book No.	0007
Field Date.	10/13/2015
Scale.	1" = 25'
File Name.	151013 266 AD
Sheet	01 of 01



470 Treasure Road, Venice, FL 34293  
 L.B. #7915  
 Phone #941.493.7060 Fax #941.375.0096

THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

Travis D. Park, P.S.M.  
 Florida Surveyors Registration # 6731

Title: HYDROGRAPHIC SURVEY - POST CAPPING SURVEY

Client: JND THOMAS, INC. / TITAN MARITIME, LLC.  
 Description: POST CAPPING HYDROGRAPHIC SURVEY OF CANAL #266

REVISIONS	By	Date	Description

Project Manager: TDP

Drawn By: TDP

Checked By: CCP

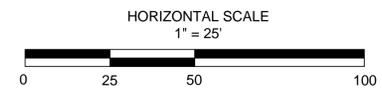
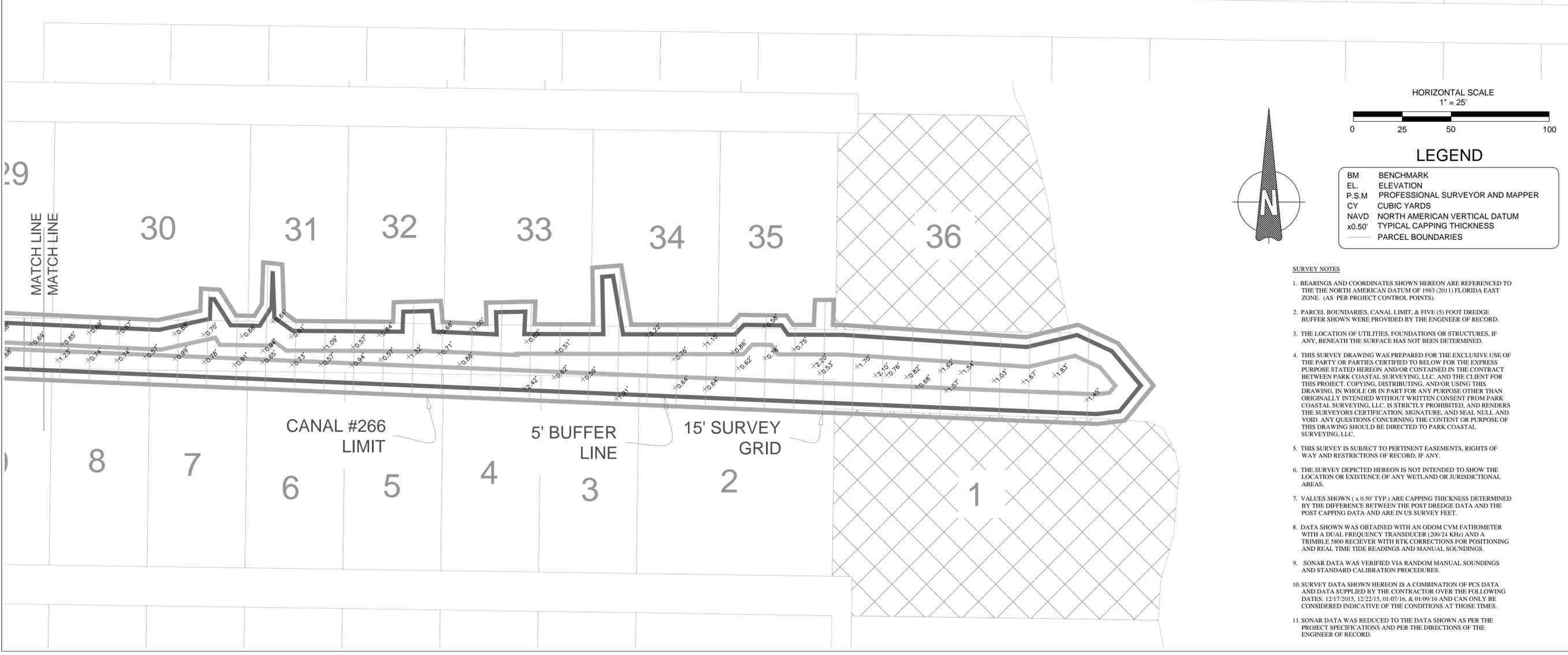
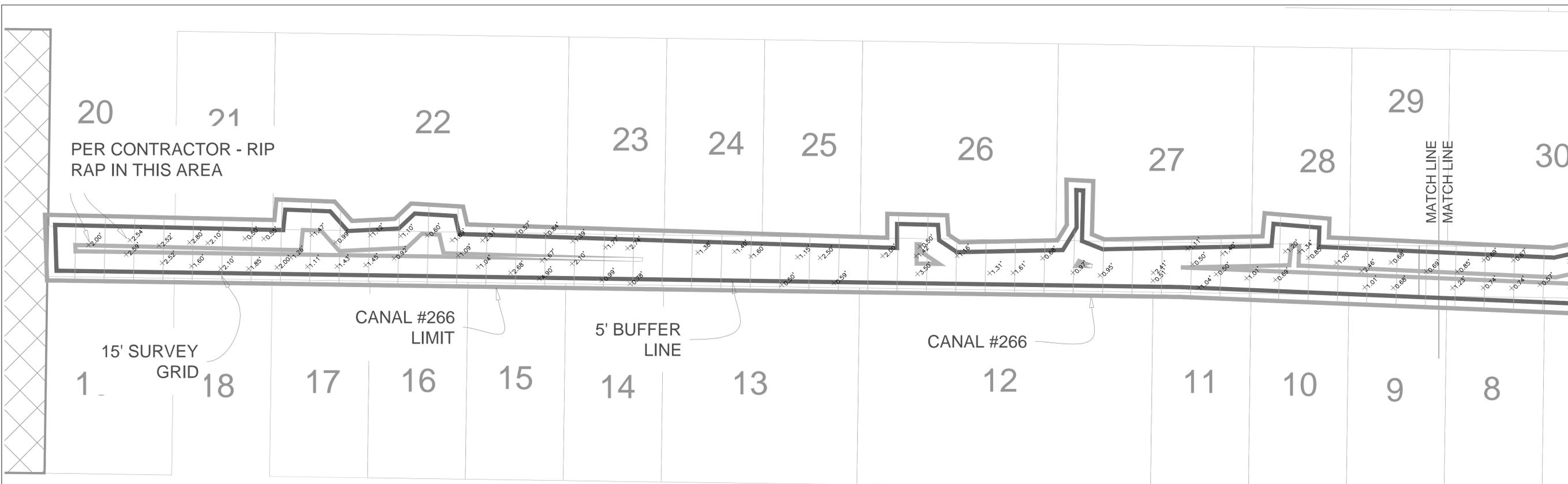
Field Book No. 0007

Field Date: VAR.

Scale: 1" = 25'

File Name: FINAL 266 POST CAP

Sheet 01 of 01



LEGEND	
BM	BENCHMARK
EL.	ELEVATION
P.S.M	PROFESSIONAL SURVEYOR AND MAPPER
CY	CUBIC YARDS
NAVD	NORTH AMERICAN VERTICAL DATUM
x0.50'	TYPICAL CAPPING THICKNESS
—	PARCEL BOUNDARIES

**SURVEY NOTES**

- BEARINGS AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (2011) FLORIDA EAST ZONE. (AS PER PROJECT CONTROL POINTS).
- PARCEL BOUNDARIES, CANAL LIMIT, & FIVE (5) FOOT DREDGE BUFFER SHOWN WERE PROVIDED BY THE ENGINEER OF RECORD.
- THE LOCATION OF UTILITIES, FOUNDATIONS OR STRUCTURES, IF ANY, BENEATH THE SURFACE HAS NOT BEEN DETERMINED.
- THIS SURVEY DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF THE PARTY OR PARTIES CERTIFIED TO BELOW FOR THE EXPRESS PURPOSE STATED HEREON AND OR CONTAINED IN THE CONTRACT BETWEEN PARK COASTAL SURVEYING, LLC, AND THE CLIENT FOR THIS PROJECT. COPYING, DISTRIBUTING, AND/OR USING THIS DRAWING, IN WHOLE OR IN PART FOR ANY PURPOSE OTHER THAN ORIGINALLY INTENDED WITHOUT WRITTEN CONSENT FROM PARK COASTAL SURVEYING, LLC IS STRICTLY PROHIBITED, AND RENDERS THE SURVEYORS CERTIFICATION, SIGNATURE, AND SEAL NULL AND VOID. ANY QUESTIONS CONCERNING THE CONTENT OR PURPOSE OF THIS DRAWING SHOULD BE DIRECTED TO PARK COASTAL SURVEYING, LLC.
- THIS SURVEY IS SUBJECT TO PERTINENT EASEMENTS, RIGHTS OF WAY AND RESTRICTIONS OF RECORD, IF ANY.
- THE SURVEY DEPICTED HEREON IS NOT INTENDED TO SHOW THE LOCATION OR EXISTENCE OF ANY WETLAND OR JURISDICTIONAL AREAS.
- VALUES SHOWN (± 0.50' TYP.) ARE CAPPING THICKNESS DETERMINED BY THE DIFFERENCE BETWEEN THE POST DREDGE DATA AND THE POST CAPPING DATA AND ARE IN US SURVEY FEET.
- DATA SHOWN WAS OBTAINED WITH AN ODOM CYM FATHOMETER WITH A DUAL FREQUENCY TRANSUDICER (200/24 KHZ) AND A TRIMBLE 5800 RECIEVER WITH RTK CORRECTIONS FOR POSITIONING AND REAL TIME TIDE READINGS AND MANUAL SOUNDINGS.
- SONAR DATA WAS VERIFIED VIA RANDOM MANUAL SOUNDINGS AND STANDARD CALIBRATION PROCEDURES.
- SURVEY DATA SHOWN HEREON IS A COMBINATION OF PCS DATA AND DATA SUPPLIED BY THE CONTRACTOR OVER THE FOLLOWING DATES: 12/17/2015, 12/22/15, 01/07/16, & 01/09/16 AND CAN ONLY BE CONSIDERED INDICATIVE OF THE CONDITIONS AT THOSE TIMES.
- SONAR DATA WAS REDUCED TO THE DATA SHOWN AS PER THE PROJECT SPECIFICATIONS AND PER THE DIRECTIONS OF THE ENGINEER OF RECORD.

*MONROE COUNTY CANAL #266  
AMEC FOSTER WHEELER PROJECT NO. 6783-14-2614  
APRIL 21, 2016*

## **ATTACHMENT C**

# **HOMEOWNER APPROVAL OF STAGING AREA RESTORATION**



**BOARD OF COUNTY COMMISSIONERS**

Danny L. Kolhage, District 1  
Mayor Heather Carruthers, District 3  
Mayor Pro Tem George Neugent, District 2  
David Rice, District 4  
Sylvia J. Murphy, District 5



December 29, 2015

Larry and Pamela LeJeune  
10035 Ridgely Road  
Baton Rouge, LA 70809-2834.

Subject: Satisfaction with Restoration Work on Your Property  
Related to Use as a Staging Area for Organic Removal for Water Quality Improvement  
30990 Baileys Lane, Pine Key 33043. Parcel Identification Number is 00310730-000000

Dear Mr. and Mrs. LeJeune,

The County has completed the dredging and dewatering portions of the Organic Removal water quality restoration work on your canal. We greatly appreciate the use of your property for staging of the dewatering equipment!

Please note Item #3 of the Hold Harmless/Maintenance Agreement you signed stated:

*The Contractor will erect a construction fence for the duration of the Organic Removal Project and Owner agrees to sign the permit for construction fencing. Once the Organic Removal Project is complete, the Contractor will replace the Property Owner's original fence, if one was present, and will return the property to its original or better condition which includes re-grading and re-sodding of disturbed areas.*

All of the work related to use of your property for equipment staging has been completed. The property has been restored to its original or better conditions. Please inspect the videos/photographs provided to you and/or the actual property and acknowledge that the restoration meets your approval.

Please return the signed notarized acceptance of the restoration work at your property to my attention or to an Amec Foster Wheeler representative.

Sincerely,

Rhonda Haag  
Sustainability Director

**ACCEPTANCE OF RESTORATION WORK**

We, Larry and Pamela LeJeune acknowledge that we are satisfied with the restoration work completed on our property located at 30990 Baileys Lane, Pine Key 33043. Parcel Identification Number is 00310730-000000 in association with completion of the Monroe County water quality improvement organic removal project.

IN WITNESS WHEREOF, the parties have agreed to the acceptance of the restoration work on this 18<sup>th</sup> day of Jan, 2016

By: Pamela Aravena LeJeune  
**Pamela Aravena LeJeune**, Property Owner

Date: 1/18/16

By: Larry W. LeJeune  
**Larry W. LeJeune**, Property Owner

Date: 1/18/16

STATE OF Louisiana  
COUNTY OF East Baton Rouge Parish

The foregoing instrument was acknowledged before me this 18 day of Jan, 2016 by Pamela Aravena LeJeune and Larry W. LeJeune, owners of the property listed above. Who individually are personally known to me or individually have produced their known as identification.

Signature of Notary Public  
Sandi Davies  
Sandi Davies  
Print Notary Name or Stamp

Commission No. 054251  
My commission expires: at death





**BOARD OF COUNTY COMMISSIONERS**

Danny L. Kolhage, District 1  
Mayor Heather Carruthers, District 3  
Mayor Pro Tem George Neugent, District 2  
David Rice, District 4  
Sylvia J. Murphy, District 5



December 29, 2015

Jerry Shearin  
3021 Beraswell Mountain Rd.  
Vallas, GA 30132

Subject: Satisfaction with Restoration Work on Your Property  
Related to Use as a Staging Area for Organic Removal for Water Quality Improvement  
Lot 48 on Witters Lane, Big Pine Key, FL, 33043. Parcel Identification Number 00310490.000000

Dear Mr. Shearin,

The County has completed the Organic Removal water quality improvement project on your canal. We greatly appreciate the use of your property for staging of material and equipment!

Please note Item #3 of the Hold Harmless/Maintenance Agreement you signed stated:

*The Contractor will erect a construction fence for the duration of the Organic Removal Project and Owner agrees to sign the permit for construction fencing. Once the Organic Removal Project is complete, the Contractor will replace the Property Owner's original fence, if one was present, and will return the property to its original or better condition which includes re-grading and re-sodding of disturbed areas.*

All of the work related to use of your property for equipment staging has been completed. The property has been restored to its original or better conditions. Please inspect the videos/photographs provided to you and/or the actual property and acknowledge that the restoration meets your approval

Please return the signed notarized acceptance of the restoration work at your property to my attention or to an Amec Foster Wheeler representative.

Sincerely,

Rhonda Haag  
Sustainability Director

**ACCEPTANCE OF RESTORATION WORK**

I, Jerry Shearin, acknowledge that I am satisfied with the restoration work completed on my property located at Lot 48 on Witters Lane, Big Pine Key, FL, 33043, Parcel Identification Number 00310490.000000 in association with completion of the Monroe County water quality improvement organic removal project.

IN WITNESS WHEREOF, the parties have agreed to the acceptance of the restoration work on this 29<sup>th</sup> day of JANUARY, ~~2015~~ 2016

By: Jerry M. Shearin  
Jerry Shearin, Property Owner  
Date: 1/29/16

STATE OF Georgia  
COUNTY OF Paulding

The foregoing instrument was acknowledged before me this 29<sup>th</sup> day of January, 2016 by Jerry Shearin, owner of the property listed above. Who is personally known to me or has produced his Driver's License as identification.

Signature of Notary Public  
Heather Nichols  
Heather Nichols  
Print Notary Name or Stamp

Commission No. N/A  
My commission expires: 5/12/2019

HEATHER NICHOLS  
NOTARY PUBLIC  
Polk County  
State of Georgia  
My Comm. Expires May 12, 2019

*MONROE COUNTY CANAL #266  
AMEC FOSTER WHEELER PROJECT NO. 6783-14-2614  
APRIL 21, 2016*

## **ATTACHMENT D**

### **PERMIT CLOSE OUT DOCUMENTS**

# AS-BUILT CERTIFICATION AND REQUEST FOR CONVERSION TO OPERATION PHASE

Instructions: Complete and submit this page within 30 days of completion of the permitted activities, as required by the permit conditions. **Any components of the permitted activities that are not in substantial conformance with the permit must be corrected or a modification of the permit will be required in accordance with Rule 62-330.315, Florida Administrative Code (F.A.C.).** The operation phase of the permit is effective when the construction certification for the entire permit/application is approved by the Agency. If the final operation and maintenance entity is not the permittee, the permittee shall operate the system, works or other activities temporarily until such time as the transfer to the operation entity is finalized (use Form 62-330.310(2)).

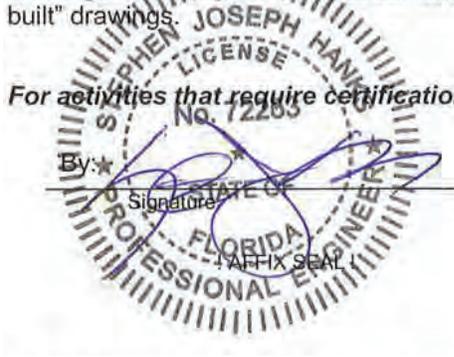
Permit No.: 44-00573-P	Application No(s). 14113-14	Permittee: <b>Monroe County BOCC</b>
Project Name: Canal 266 and 290 - Organic Removal		Phase (if applicable):

I HEREBY CERTIFY THAT (please choose accurately and check only one box):

- I hereby notify the Agency of the completion of construction of all the components of the system, works or other activities for the above referenced project and certify that it has been constructed in substantial conformance with the plans specifications and conditions permitted by the Agency. Any minor deviations will not prevent the system from functioning in compliance with the requirements of Chapter 62-330, F.A.C. Attached is documentary evidence of satisfaction of any outstanding permit conditions, other than long term monitoring and inspection requirements.
- At the time of final inspection, the works or activities were NOT completed in substantial conformance with the plans and specifications permitted by the Agency. (The registered professional shall describe the substantial deviation(s) in writing, and provide confirming depiction on the as-built drawings and information.)

If there were substantial deviations, plans must be submitted clearly labeled as "as-built" or "record" drawings reflecting the substantial deviations. If there are no substantial deviations, do not submit "as built" drawings.

**For activities that require certification by a registered professional:**



By: Stephen Hanks  
 Print Name  
Amec Foster Wheeler  
 Company Name  
5845 NW 158th Street, Miami Lakes, FL, 33014  
 Company Address

FL P.E. No. 72253  
 Fla. Lic. or Reg. No.  
2-9-16  
 Date

**For activities that do not require certification by a registered professional:**

By: \_\_\_\_\_  
 Signature

\_\_\_\_\_  
 Print Name

\_\_\_\_\_  
 Company Name

\_\_\_\_\_ Date

\_\_\_\_\_ Company Address





## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

March 7, 2016

Rhonda Haag, Sustainability Director  
Monroe County  
1100 Simonton Street  
Key West, FL 33040

**Subject: Construction Completion Certification - Partial Acceptance  
Canals 266 & 290 Organic Removal - Big Pine Key  
Permit No. 44-00573-P, Application No. 141113-14  
Monroe County, S14, 25/T66S/R29E**

Dear Ms. Haag:

As discussed with South Florida Water Management District (District) staff and Greg Corning on February 24, 2016, this letter is to acknowledge receipt of your Florida registered professional's partial construction completion certification (CCC) pertaining to the referenced stormwater management system and to provide notification that the CCC has been accepted and incorporated into the permit file.

This partial CCC, including sketches for the completed portion of the project consisting of the work on Canal 266, was reviewed and found to be sufficient. Consequently, District staff considers this portion of the system under the above-referenced application number(s) to be constructed in substantial conformance with the plans and specifications approved by the District.

Staff understands that construction on Canal 290 is on-going. An additional, final construction completion certification will be submitted upon completion of the project to address all aspects of the referenced permit and any subsequent modifications.

3-2-2016

**DISTRICT HEADQUARTERS: 3301 Gun Club Road, West Palm Beach, Florida 33406 • (561) 686-8800 • (800) 432-2045**

**Mailing Address: PO BOX 24680 West Palm Beach FL, 33416-4680**

**LOWER WEST COAST SERVICE CENTER: 2301 McGregor Boulevard, Fort Myers, FL 33901 • (239) 338-2929 • (800) 248-1201**

**OKEECHOBEE SERVICE CENTER: 3800 N.W. 16<sup>th</sup> Blvd, Suite A, Okeechobee, FL 34972 • (863) 462-5260 • (800) 250-4200**

**ORLANDO SERVICE CENTER: 1707 Orlando Central Parkway, Suite 200, Orlando FL 32809 • (407) 858-6100 • (800) 250-4250**

The logo for sfwmd.gov features the text "sfwmd.gov" in a blue, sans-serif font. The text is positioned above a stylized blue wave graphic that spans the width of the text.

Upon submittal and the District's acceptance of a professional's CCC for the remaining portion of the stormwater management system, so as to complete the entire project, the permit referenced above will then be converted from the construction phase to the operation phase.

The District now has the capability of receiving certifications, as-built plans and AGI inspection reports, conversion/transfer forms and other documents electronically via the District's ePermitting website at [www.sfwmd.gov/ePermitting](http://www.sfwmd.gov/ePermitting). For first-time users, an account will need to be created. Reports can be submitted through eCompliance/Environmental Resource.

Should you have any questions or require additional assistance, please contact me at (561) 682-6876, or via e-mail at [dmeiers@sfwmd.gov](mailto:dmeiers@sfwmd.gov).

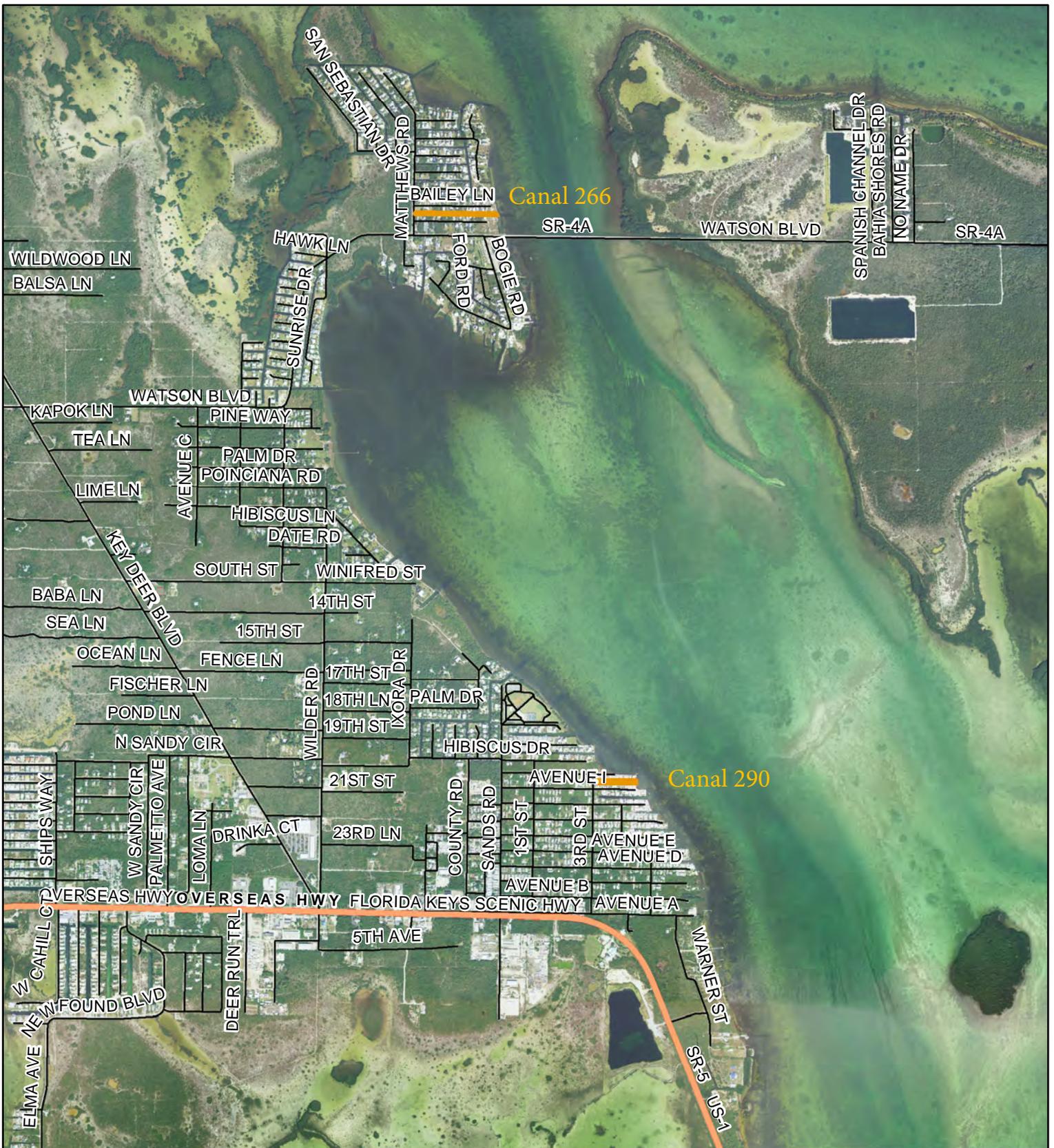
Sincerely,

A handwritten signature in black ink that reads "Damon Meiers". The signature is written in a cursive, slightly slanted style.

Damon Meiers, PE, Staff Engineer  
Environmental Resource Compliance Bureau  
South Florida Water Management District

Enclosure(s): Location Map

c: Roman Gastesi Monroe County (via Email)  
Wendy Blondin Amec (via Email)  
Stephen Hanks Amec (via Email)  
Greg Corning Amec (via Email)



<p><b>Exhibit No: 1</b></p>	<p>Exhibit Created On: 2016-03-02</p>	<p>MONROE COUNTY, FL</p>	<div style="display: flex; align-items: center;">  <span style="margin-left: 10px;">Application</span> </div> <p>Permit No: 44-00573-P</p> <p>Application Number: 141113-14</p> 
<p><b>REGULATION DIVISION</b></p> <p>Project Name: CANALS 266 &amp; 290 ORGANIC REMOVAL - BIG PINE KEY</p>			
	<p>0      0.325      0.65</p>  <p>Miles</p>	<p>Created by</p> 	<p>South Florida Water Management District</p>

**SELF-CERTIFICATION STATEMENT OF COMPLIANCE**

Permit Number: SAJ- 2014- 03356( SP -MIB)

Permittee's Name & Address (please print or type): Monroe County Board of County Commissioners

c/o Roman Gastesi, County Administrator

1100 Simonton Street, Key West, Florida 33040

Telephone Number: (305) 292-4441

Location of the Work: Big Pine Key, Florida

Date Work Started: 05/2015 Date Work Completed: 02/2016

**PROPERTY IS INACCESSIBLE WITHOUT PRIOR NOTIFICATION: YES \_\_\_ NO X**  
**PLEASE CONTACT \_\_\_\_\_ AT \_\_\_\_\_**  
**TO SCHEDULE AN INSPECTION**

Description of the Work (e.g. bank stabilization, residential or commercial filling, docks, dredging, etc.):

Vacuum dredge approximately 8,300 cubic yards of organic muck and then place approximately 890 cubic yards of sand distributed

6 inches thick throughout the canal system to promote benthic growth

Acreage or Square Feet of Impacts to Waters of the United States: 47,916 sq ft

Describe Mitigation completed (if applicable): N/A

Describe any Deviations from Permit (attach drawing(s) depicting the deviations):

N/A

\*\*\*\*\*

I certify that all work, and mitigation (if applicable) was done in accordance with the limitations and conditions as described in the permit. Any deviations as described above are depicted on the attached drawing(s).

[Signature]  
Signature of Permittee

ENGINEER OF RECORD

3-22-16  
Date

## Corning, Greg W

---

**From:** Paris, Jeremy M  
**Sent:** Wednesday, February 03, 2016 8:45 AM  
**To:** Corning, Greg W; Dadesky, Derek  
**Cc:** Blondin, Wendy  
**Subject:** FW: Monroe County Canal 266

Field Team,

Please keep a copy of this email on-site through the duration of activities at 290.

Jeremy

**From:** Joanne Delaney - NOAA Affiliate [mailto:joanne.delaney@noaa.gov]  
**Sent:** Tuesday, February 02, 2016 4:03 PM  
**To:** Paris, Jeremy M <Jeremy.Paris@amec.com>  
**Cc:** Blondin, Wendy <wendy.blondin@amec.com>  
**Subject:** Re: Monroe County Canal 266

Dear Jeremy,

Thanks for your time on the phone this afternoon explaining the situation with permit #FKNMS-2014-174. I understand from our discussion that all work at canal #266 has been completed, and that organics removal has been completed from canal #290. I further understand that the only activities left to conduct at #290 are placing the sand cap and bathymetric surveys to check on depth.

Per our discussion, Mr. Gastesi has FKNMS permission to complete these activities as authorized under his expired permit #FKNMS-2014-174. Please retain a copy of this email message with your files as evidence of FKNMS permission. It would be helpful to know when all activities at canal #290 have been satisfactorily completed. A simple email notification will suffice.

Please let me know if you have any questions, and thank you for your continued cooperation with FKNMS.

Sincerely,  
Joanne

-----  
Joanne Delaney  
Permit Coordinator  
NOAA/Florida Keys National Marine Sanctuary  
[joanne.delaney@noaa.gov](mailto:joanne.delaney@noaa.gov)  
(978) 471-9653  
[floridakeys.noaa.gov](http://floridakeys.noaa.gov)  
[Join us on Facebook](#)  
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**PERMIT INFORMATION**

**PLEASE NOTE: FEES LISTED ARE ESTIMATES ONLY. BEFORE WRITING ANY CHECKS, PLEASE CALL THE BUILDING DEPARTMENT TO CONFIRM.**

Permit Number	14105776	RE	00000000000005
Permit Type	65 CAN	Balance Due	\$0.00
Property Address	CANAL 266 - BAILEY'S AND WITTERS LANE	Status	Closed

[Permit](#) | [Plan Reviews](#) | [Inspections](#) | [Fees](#) | [Contractors](#) | [All](#)

PERMIT

**PERMIT INFORMATION**

Application Date	12-22-2014	Operator	tuckerm
Issued Date	05-15-2015	Operator	antetomj
Master Number		Project Number	
C.O. Number		Operator	
C.O. Issued			
C-404 Type		Usage Class	N/A
Applied Value	1200000	Units	0
Calculated Value	0	Contractor ID	13228

**PROPERTY ON PERMIT**

RE	00000000000005
Unit	
Address	CANAL 266 - BAILEY'S AND WITTERS LANE
City/State/Zip	BIG PINE KEY, FL 33043

**OWNER ON PERMIT**

Name	MONROE COUNTY
Address	500 WHITEHEAD STREET
City/State/Zip	KEY WEST, FL 33040
Type	Private

**APPLICANT**

**No Applicant Information on file for this permit**

**MISCELLANEOUS INFORMATION / NOTES**

CANAL 266 - BAILEY'S AND WITTERS LN, BIG PINE KEY

CANAL RESTORATION

\*\* NOTICE OF COMMENCEMENT NOT REQUIRED \*\*



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**PERMIT INFORMATION**

**PLEASE NOTE: FEES LISTED ARE ESTIMATES ONLY. BEFORE WRITING ANY CHECKS, PLEASE CALL THE BUILDING DEPARTMENT TO CONFIRM.**

Permit Number	15100175	RE	00310490000000
Permit Type	12	Balance Due	\$0.00
Property Address	30818 WITTERS LANE	Status	Closed

Permit | Plan Reviews | Inspections | Fees | Contractors | All

PERMIT

**PERMIT INFORMATION**

Application Date	01-14-2015	Operator	antetomj
Issued Date	05-15-2015	Operator	antetomj
Master Number		Project Number	
C.O. Number		Operator	
C.O. Issued			
C-404 Type		Usage Class	RES
Applied Value	3000	Units	0
Calculated Value	0	Contractor ID	13228

**PROPERTY ON PERMIT**

RE	00310490000000
Unit	
Address	30818 WITTERS LANE
City/State/Zip	BIG PINE KEY, FL 33043

**OWNER ON PERMIT**

Name	SHEARIN JERRY
Address	3021 BERASWELL MOUNTAIN RD
City/State/Zip	VALLAS, GA 30132
Type	Private

**APPLICANT**

**No Applicant Information on file for this permit**

**MISCELLANEOUS INFORMATION / NOTES**

30818 WITTERS LANE, DOCTORS ARM, BIG PINE KEY  
 TEMP. FENCE FOR CANAL RESTORATION  
 \*\*\*\*NOTICE OF COMMENCEMENT  
 PERMIT FOR THE INSTALLATION OF APPROX. 200 LIN FT



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**PERMIT INFORMATION**

**PLEASE NOTE: FEES LISTED ARE ESTIMATES ONLY. BEFORE WRITING ANY CHECKS, PLEASE CALL THE BUILDING DEPARTMENT TO CONFIRM.**

Permit Number	15100157	RE	00310730000000
Permit Type	12	Balance Due	\$0.00
Property Address	30990 BAILEY'S LANE	Status	Closed

Permit | Plan Reviews | Inspections | Fees | Contractors | All

PERMIT

**PERMIT INFORMATION**

Application Date	01-14-2015	Operator	antetomj
Issued Date	05-15-2015	Operator	antetomj
Master Number		Project Number	
C.O. Number		Operator	
C.O. Issued		Usage Class	RES
C-404 Type		Units	0
Applied Value	4900	Contractor ID	13228
Calculated Value	0		

**PROPERTY ON PERMIT**

RE	00310730000000
Unit	
Address	30990 BAILEY'S LANE
City/State/Zip	BIG PINE KEY, FL 33043

**OWNER ON PERMIT**

Name	LEJUENE LARRY W AND PAMELA
Address	14322 BAYOU TERRACE
City/State/Zip	ST AMANT, LA 70774
Type	Private

**APPLICANT**

**No Applicant Information on file for this permit**

**MISCELLANEOUS INFORMATION / NOTES**

30990 BAILEYS LANE BIG PINE KEY  
 TEMP. FENCE FOR COUNTY CANAL RESTORATION \*\*\*  
 \*\*\*\*\*NOTICE OF COMMENCEMENT NOT  
 REQUIRED\*\*\*\*\*