



CONSTRUCTION ENGINEERING INSPECTION REPORT
CANAL #29 BACKFILLING PROJECT
SEXTON COVE KEY LARGO BETWEEN PIGEON AND BUNTING LANES
MONROE COUNTY, FLORIDA KEYS



PREPARED BY:

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5845 N.W. 158th Street
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Amec Foster Wheeler Project No. 6783-14-2614

February 10, 2016





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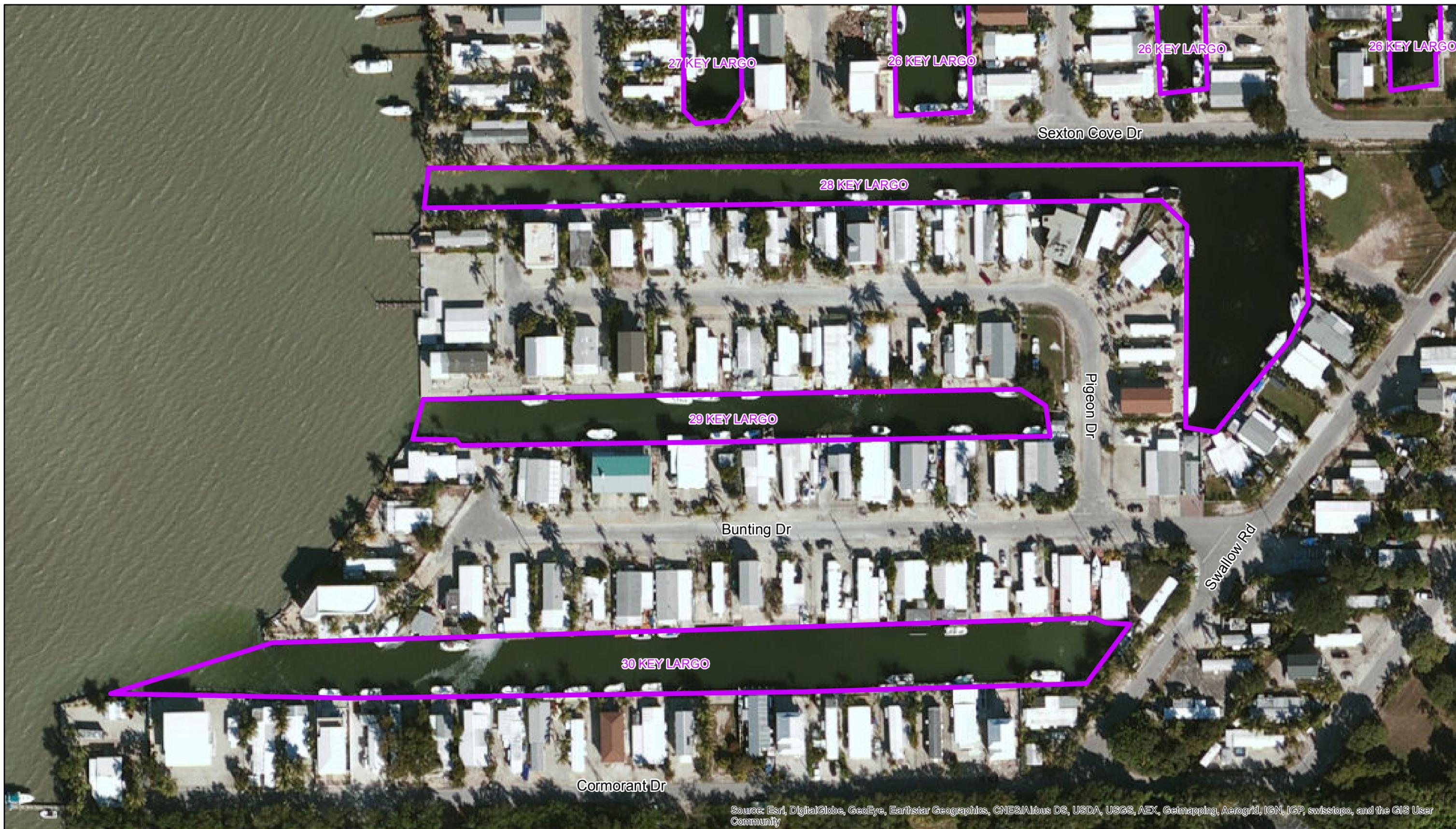


1.0 BACKGROUND/PURPOSE

The purpose of this report is to document the completion of backfilling activities in a canal located in Sexton Cove, Key Largo, FL (Canal #29). 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 and high hydrogen sulfide levels. The deep stagnant zones which exceed 30 feet are the primary reason 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 backfilling to a shallower depth. The purpose of the backfilling is to eliminate the deep stagnant pockets which are filled with methane and hydrogen sulfide gases to an elevation that can more easily flush with the natural tidal cycles.

1.1 PROJECT AREA

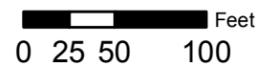
The project area is located west of US1 in Monroe County, Key Largo, Florida; Section 1, Township 61 S , Range 39 E, (Latitude: 25°09'50.32" North; Longitude: - 80°23'01.28" West). The canal is situated between Pigeon and Bunting Drives and discharges into Sexton Cove then Blackwater Sound. **Figure 1** provides a site location map.



N



1 inch = 100 feet



Monroe County Canal Demonstration Projects

CANAL 29 LOCATION MAP

Drawn	Date
SJH	6-10-15
Checked	Date
WCB	6-10-15



MIAMI, FL
Project # 6783-14-2614

Figure 1



1.2 PROJECT OVERVIEW

The project consisted of placing approximately 25,345 cubic yards of clean fill material within the canal to restore the elevations to -8.7 feet NAVD88 (-7.7 feet Mean Low Water). The clean fill material was delivered via trucks from SDI Quarry located in Miami to the project staging area located at 11 Pigeon Drive. Per the project's "Scope of Work" base fill soils were to have no more than 4% by weight organics and no more than 10% by weight passing through a number 200 sieve; top fill soils were to be Clean Calcium Carbonate Sand containing less than 5% of fines passing through a number 200 sieve. The average number of truckloads of fill delivered to the site per day was 17 trucks. One or two days of delivery of fill was stockpiled at the staging area. A front end loader was utilized to place the fill material on a conveyor belt to transport the fill over the mangrove fringe that prevented direct access to the canal. The conveyor belt allowed the fill be placed on a barge located in the canal. The barge transported the fill up and down the canal to uniformly place the material on the canal bottom. The canal water was turbid during the construction therefore turbidity curtains were placed at the canal mouth to prevent the turbidity from entered the Marine Sanctuary waters. The elevations of the canal bottom were surveyed to ensure compliance with the required final fill elevation. Additionally, a 90 day post backfilling survey was performed to verify that settling and compaction had not occurred and that the final elevations still met the required -8.7 feet NAVD88 elevation. All work was done per design and permit requirements.

2.0 CONSTRUCTION ENGINEERING & INSPECTION

Amec Foster Wheeler subcontracted Davis Environmental Solutions, LLC. to provide construction engineering and inspection services for the oversight of the backfilling canal restoration project to ensure that all permit requirements and design specifications were followed. The backfilling field activities extended from March 9 through May 27, with additional fill placement taking place on June 30. Turbidity and endangered species



monitoring was required during the in water work associated with the canal restoration. An activity summary table and photographs are provided below.

2.1 SUMMARY OF ACTIVITIES

General Field notes were prepared each day of construction and photo documentation of the activities were collected. **Attachment A** contains a select group of photos highlighting the various activities throughout the project. The table below provides a weekly summary.

Table 1. Weekly Construction Summary

Construction Week	Activities Description
Week 1: March 9 to 13	Adventure Environmental, Inc. prepared the staging area for filling activities. A temporary fence was installed as were traffic signs and barriers. Three turbidity curtains were also installed. The week prior the original fence was removed, and the conveyor belt and barge were brought onsite. Base fill was first delivered on Friday, March 13.
Week 2: March 16 to 20	First week of fill placement. Fill placement began near the mouth of the canal. Friday, March 20 an American crocodile was observed within the canal. Barge crew followed protocol for working in the presence of an endangered species.
Week 3: March 23 to 27	Minor repairs were made to turbidity curtains this week; tightened and added additional ropes, and sandbags. Fill placement focused at the east end of the canal near the staging area so as not to compromise the turbidity curtains. Minor delays in filling activities throughout the week due to minor equipment repairs.
Week 4: March 30 to April 3	Continued to place base fill material throughout the canal. Additional reinforcements such as rebar, and weighted buckets were added to the turbidity curtains. West Indian manatees were observed within the canal Friday, April 3. Barge crew followed protocol for working in the presence of an endangered species.
Week 5: April 6 to 10	Base fill material was placed throughout the canal. Water depth ranged from 10-20 feet. Thursday, April 9 SFWMD arrived onsite and performed an onsite inspection. Repairs made to excavator bucket on the barge.
Week 6: April 13 to 17	Placed base fill material near center of canal, and by 35 Pigeon Drive. Turbidity readings very good throughout the week.



Construction Week	Activities Description
Week 7: April 20 to 24	<p>Technical issues with small boat at front of barge which was rapidly fixed. Fill placed near staging area and near middle of canal. The boat used to stabilize the front of the barge was no longer necessary and excavator on barge was then able to push fill material off into canal.</p> <p>Wednesday, April 22, Bob Care and Susan Sprunt onsite with drone to obtain video footage.</p>
Week 8: April 27 to May 1	<p>Throughout the week fill was placed near the staging area and near the boat lift opposite of 35 Pigeon Drive. High winds near the end of the week disrupted the turbidity curtains requiring immediate repairs. The barge did not operate on April 29.</p>
Week 9: May 4 to 8	<p>This was the last week placing base fill material. Turbidity curtains required additional repairs at the start of the week. Massey Richards Surveying & Mapping, LLC. performed a water depth survey on Tuesday, May 5. Some areas near the turbidity curtains required additional base fill material. Due to proximity of filling activities to the turbidity curtains, additional sandbags were placed for reinforcement, and fill placement proceeded without the use of the rear boat.</p>
Week 10: May 11 to 15	<p>Monday, May 11 Adventure Environmental, Inc. began to place the top 1 foot layer of sand fill. Placement of the sand began near the mouth of the canal working its way back. Throughout the day on Friday, May 15 several manatees made their way into the canal. Barge crew followed protocol for working in the presence of an endangered species.</p>
Week 11: May 18 to 22	<p>Sand fill was placed near the eastern end and middle of the canal. Towards the end of the week Adventure Environmental, Inc. probed throughout the canal to identify areas which needed more fill. Sand was placed in specific areas throughout the canal and along the sea walls.</p>
Week 12: May 25 to 26	<p>This is the final week of construction activities. May 26 was the last day of fill placement prior to final survey. The morning of May 26, Adventure Environmental, Inc. probed the canal to measure water depth and identify areas where small amounts of fill were needed. Some small holes were filled and work was completed by the end of the day.</p>
Week of June 29	<p>Turbidity curtains and sandbags were removed from the canal. Additional sand fill was placed in an area along the southwest seawall near the canal mouth as per the water depth survey. Divers placed the sand in bags in order not to create turbidity. During this week the staging area was restored to include a new chain-link fence and sod. The project was complete by July 3, 2015, except for the required 90-day post backfill survey.</p>



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. 44-00570-P, U.S. Army Corps of Engineers (USACE) Permit No. SAJ-2014-02871 (SP-MIB), and Florida Keys National Marine Sanctuary (FKNMS) Permit No. FKNMS-2014-158. Per State requirements, turbidity within Florida Outstanding Waters is not to exceed an increase of 0 NTU above background levels at the canal mouth and not to exceed 29 NTUs within the canal. 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 readings were taken at three locations once a day during an outgoing tide (**See Figure 2: Water Quality Sample Sites Map**). Sample Site 1 was taken within the canal between the two outer turbidity curtains. Sample Sites 2 and 3 were collected just outside the canal mouth to the north and south to document compliance with a 0 NTU increase within the Florida Outstanding Waters. Two water samples were taken at each location to measure turbidity at 1 foot and at 4 feet below the water's surface. Initial samples were collected the week prior to placing fill material into the canal (March 9 to March 13, 2015) 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 Sample Site 1 collected within the canal measured on average 14.9 NTUs above background at 1 foot and 17.5 NTUs above background at 4 feet. Turbidity readings at Sample Sites 2 & 3 were mostly consistent with background levels. Increased turbidity levels at Sample Sites 2 & 3 correlated to natural factors that increased the bay water background levels such as high winds and rough waters which suspended particles within the bay. As of April 28, 2015, access to Sample Site 3 was restricted, as such, water samples were only collected from Sample Sites 1 & 2 for the remainder of the project. The table below summarizes the average turbidity measurements at the three sample sites compared to background turbidity levels.



Table 2. Average Turbidity Measurements

Sample Locations	Turbidity Measurements (NTUs)			
	Average Background at 1'	Average at 1'	Average Background at 4'	Average at 4'
Sample Site 1	1.8	14.9	1.87	17.5
Sample Site 2	1.5	3.25	1.65	3.45
Sample Site 3	1.24	2.16	1.20	2.36

Conclusion: Through the course of this project, turbidity did not have any major impacts on the project's progress. Turbidity readings at Sample Sites 2 & 3 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 American crocodile (*Crocodylus acutus*), 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, American crocodile, 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.

American crocodile - A large lizard-shaped reptile, the crocodile closely resembles the alligator. The American crocodile is listed as threatened in the state of Florida by the USFWS, and listed as endangered by the FWC. Adults can grow up to 13ft long, and are distinguished by their slender body and tapered snout. Crocodiles live in brackish waters and can be found in ponds, coves, and creeks in mangrove swamps.

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.

Both the West Indian manatee and American Crocodile were observed on-site over the course of the project. The morning of Friday, March 20, an American crocodile, approximately 10 feet in length, was in between the 20' and 40' turbidity curtains, and later observed within the canal. All workers on-site were made aware of the presence of the crocodile and implemented appropriate protocol. A spotter remained on the barge at all times. The crocodile did not appear distressed or trapped, and was able to move



freely in and out of the canal. The property owners at 35 Pigeon Drive, observed a crocodile climbing over the turbidity curtains. Both USFWS as well as the local Crocodile Refuge on Key Largo were made aware of the presence of the crocodile within the project zone. There were no further crocodile sightings within the canal during working hours, although several Sexton Cove residents did report the presence of crocodiles in the early morning and evening, as well as in the surrounding canals.

West Indian manatees were observed within the canal on both Friday, March 20 and May 15, and Tuesday, June 30. All on-site crew, as well as USFWS were made aware of the presence of a listed species. FWC Standard Manatee Conditions for In-Water Work were followed. As such, all in-water operations were shut down if a manatee was within 50 feet of the operation. Operations did not resume until they moved outside of the 50 foot radius or until a 30 minute time frame elapsed in which no manatees were spotted within 50 foot of the operation. The animals were not herded away or harassed into leaving and did not appear stressed.

In the presence of a sea turtle or smalltooth saw fish all workers were required to adhere to the National Marine Fisheries Service (NMFS) SeaTurtle and Smalltooth Sawfish Construction Conditions (March 23, 2006); however, no smalltooth sawfish or sea turtles were observed within or around the work zone for the duration of the project.

Conclusion: The project was not affected by the presence of threatened and endangered species. There were 3 days where an American crocodile or West Indian manatee was recorded on-site. As a result, all in-water construction activities were paused if within a 50 foot radius of the animal. Neither the crocodile nor manatees appeared stressed or trapped, and were able to move in and out of the canal at will. There were no sightings of the smalltooth sawfish or sea turtles.



2.4 COMPLIANCE WITH PERMIT AND DESIGN SPECIFICATIONS

The elevations of the canal bottom were surveyed to ensure compliance with the required base fill elevation of -7.7 feet NAVD88 and final top elevation of -8.7 feet NAVD88. A total of 15,812.29 tons of base fill and 4,461.51 tons of select sand fill were placed in the canal to obtain the required elevations. A tracking manifest of the fill delivered to the site is included as **Attachment B**. Also included in **Attachment B** are the specifications of the base fill and final sand cap material showing compliance with the design criteria.

A survey was also performed 90 days after the project completion to document that settling and/or compaction had not occurred. The post 90 day survey met the required final top elevation of -8.7 feet NAVD88. Copies of the surveys are included in **Attachment C**.

The staging area was restored to better than preconstruction conditions with a new fence and sod. A letter stating that the owner of the staging area property approved the final restoration was obtained. A copy of this letter is included as **Attachment D**.

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 E**.



Project: Canal #29 Backfilling Canal Water Quality Improvement Demonstration Project
 Location: Sexton Cove Estates, Key Largo, Florida
 Contractor: Adventure Environmental, Inc.
 Date: 15-Oct-15

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	Remove and Replace 4' Chain Link Fence	120	120	The existing 4' fence was removed for the construction and replaced with a new 4' fence during site restoration.
4	Mangrove Trimming (Performed by Professional Mangrove Trimmer)	1	0	The Contractor was able to place their conveyor belt over and through the mangrove fringe such that no mangrove trimming was needed.
5	Conveyor Belt System	1	1	A conveyor belt system functioned extremely well to allow the backfill to be loaded onto the barge without trimming or damage to mangroves.
6	6' Construction Temporary Privacy Fencing with Screen	120	120	Temporary fencing with privacy screening was installed and maintained throughout the project.
7	Floating Turbidity Barrier (mouth of canal and as required around construction area to control turbidity)	2	3	An additional turbidity barrier required to maintain 0 NTU above background in OFW.
8	Coarse Fill Material (cubic yards)	25,000	19,765	15,812.29 tons purchased. Truck delivery tickets verified quantity. Conversion to cubic yards based upon an estimated 1.25 tons per cubic yard.
9	Sand Fill Material (Top 1') (cubic yards)	1,700	5,577	4,461.51 tons purchased. Truck delivery tickets verified quantities. Conversion to cubic yards based upon an estimated 1.25 tons per cubic yard.
10	Trucking of Backfill Material (cubic yards)	26,700	25,342	20,273.8 total tons trucked to site; 896 truckloads
11	Placement of Fill (cubic yards)	26,700	25,342	20,273.8 total tons placed in the canal
12	Construction Surveys (Pre-construction, As-Built, 90 Day As-Built)	3	4	Additional survey were required to demonstrate that the project specifications have been met.

PROJECT CLOSEOUT DATE: November 15, 2015

SIGN OFF ON COMPLETION: Wendy C. Blondin

PRINTED NAME: Wendy Blondin

ATTACHMENT A

PROJECT PHOTOGRAPHS



Photo 1: Preparing staging area for start of construction. Photo taken March 9, 2015 (Construction Day 1).



Photo 2: Easterly view of Canal #29 and turbidity curtains. Curtains were placed at 20', 40', and 60' from canal mouth. Photo taken March 17, 2015 (Construction Day 7).



Photo 3: American saltwater crocodile in between 20' and 40' turbidity curtains. Photo taken March 20, 2015 (Construction Day 10).



Photo 4: Loading base fill material into conveyor belt. Photo taken March 20, 2015 (Construction Day 10).



Photo 5: Florida manatee in between turbidity curtains. Photo taken April 3, 2015 (Construction Day 20).



Photo 6: Placing base fill layer near the middle of canal. Photo taken April 16, 2015 (Construction Day 29).



Photo 7: Aerial view placing base fill near mouth of canal. Photo taken May 6, 2015 (Construction Day 43).



Photo 8: Sand to be placed as top layer within the canal. Photo taken May 11, 2015 (Construction Day 46).



Photo 9: Measuring bottom depth as sand fill in placed in the canal. Photo taken May 12, 2015 (Construction Day 47).

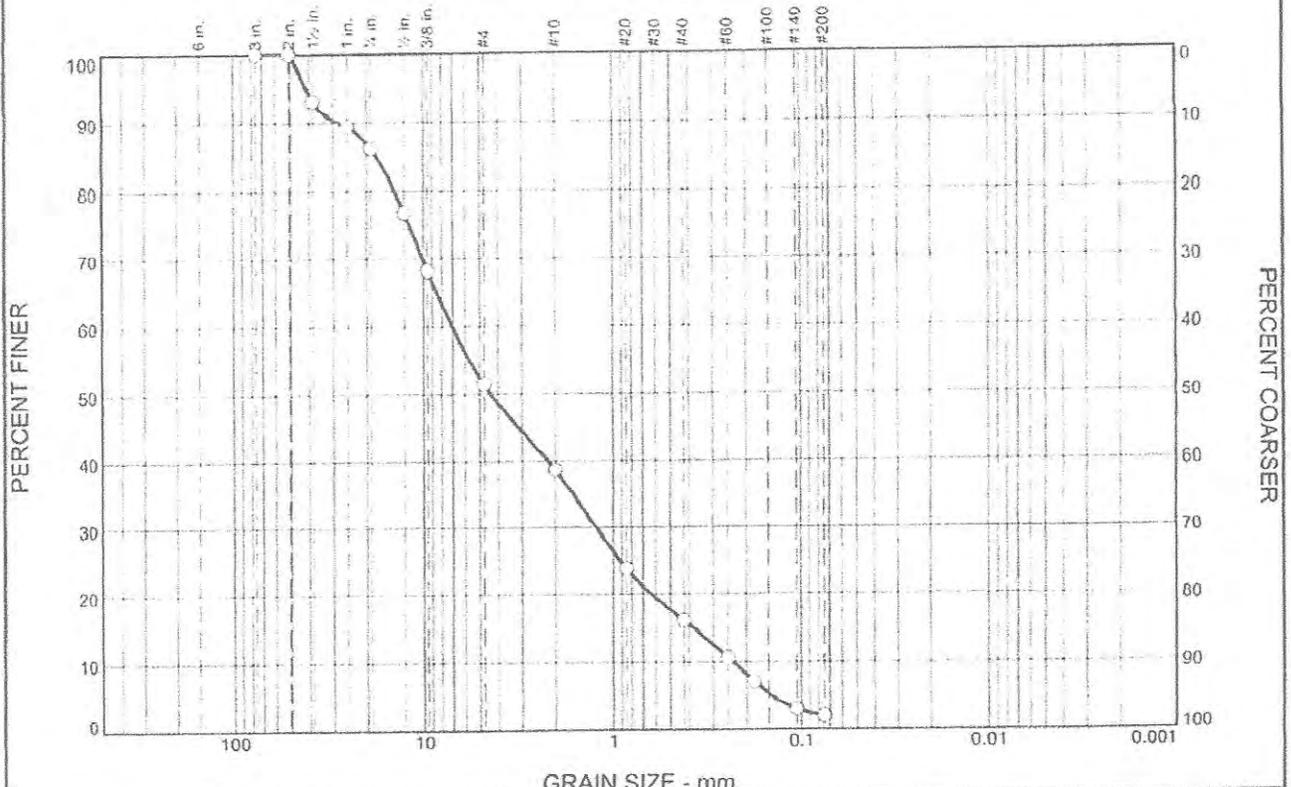


Photo 10: Restored staging area located at 11 Pigeon Drive. Photo taken July 21, 2015.

ATTACHMENT B

BACKFILL MANIFEST AND FILL SPECIFICATIONS

Particle Size Distribution Report (AASHTO T27/T11)



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	13.7	34.8	12.8	22.7	13.9		2.1

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3"	100.0		
2"	100.0		
1 1/2"	93.2		
1"	89.5		
3/4"	86.3		
1/2"	76.8		
3/8"	68.2		
#4	51.5		
#10	38.7		
#20	23.9		
#40	16.0		
#60	10.6		
#80	7.1		
#140	3.1		
#200	2.1		



Material Description

Tan Crushed Limerock

ORGANIC CONTENT= 0.9% (AASHTO T267)

Atterberg Limits
 LL= NV PI= NP

Coefficients
 D₈₅= 17.7477 D₆₀= 7.0432
 D₃₀= 1.2240 D₁₅= 0.3835
 C_u= 29.72 C_c= 0.90

Classification
 USCS= SP AASHTO= A-1-a

Remarks
 FDOT Lab ID No.: I06001
 Sample By Scott Torcise (TIN T62279684000) on 12-26-14
 Source: Sample No.2 (Mine 87-648)

(no specification provided)

Sample Number: No. 2

Date: 12/27/2014

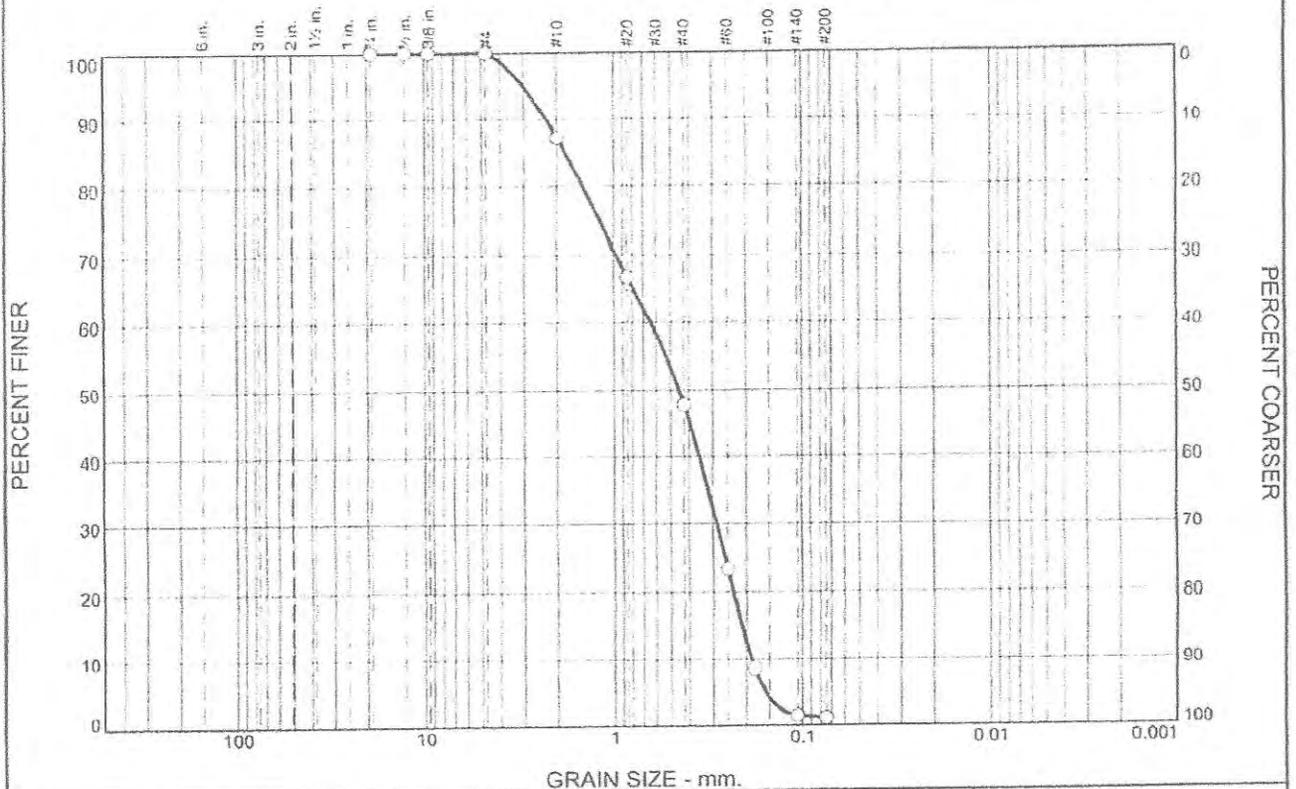
Terracon Consultants, Inc.

Client: SDI Quarry, Inc.
 Project: SDI Quarry, Inc.

Project No: I18141044

Figure

Particle Size Distribution Report (AASHTO T27/T11)



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	12.7	39.5	46.6	1.2	0.0

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
3/4	100.0		
1/2	100.0		
3/8	100.0		
#4	100.0		
#10	87.3		
#20	66.8		
#40	47.8		
#60	23.4		
#80	8.7		
#140	1.6		
#200	1.2		



Material Description
Tan Fine to Coarse SAND (Screening SAND)

ORGANIC CONTENT= 0.4% (AASHTO T267)

Atterberg Limits
LL= NV PI= NP

Coefficients
D₈₅= 1.8069 D₆₀= 0.6384
D₃₀= 0.4524 D₁₅= 0.2105
C_u= 3.41 C_c= 0.68

Classification
SCS= SP AASHTO= A-1-b

Remarks
FDOT Lab ID No.: I06001
Sample By Scott Torcise (TIN T62279684000) on 12-26-14
Source: Sample No.3 (Mine 87-648)

(no specification provided)

Sample Number: No. 3

Date: 12/27/2014

Terracon Consultants, Inc.

Client: SDI Quarry, Inc.
Project: SDI Quarry, Inc.

Project No: H8141044

Figure

CHEMICAL LABORATORY TEST REPORT

Project Number: H8141044.0018

Service Date: 01/02/14

Report Date: 01/02/14

Terracon

750 Pilot Road, Suite F
Las Vegas, Nevada 89119
(702) 597-9393

Client

SDI Quarry, Inc.
Attn: Rick Torcise
9350 S Dixie Hwy Suite 1250
Miami, FL 33156

Project

SDI Quarry, Inc.
16100 SW 365th Street
Florida City, FL 33035

Project No. H8141044

Sampled By: Client on 12/26/14

Date Received: 12/31/2014

Results of Phosphorus Analysis

Sample Description: Tan Crushed Limerock

Sample No.: 1

Total Phosphorus
per SM 8190 (ppm): 1.87

Analyzed By:



Kurt D. Ergun
Chemist

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

Exhibit B-



SDI Quarry
 9350 South Dixie Highway, Suite 1250
 Miami, FL 33156
 305-670-9610

Quality Test Report

Plant 1-SDI Quarry
 Product S-Commercial Screenings
 Specification Commercial Concrete Screenings

Sample Information

Sample No 1923675387
 Date Sampled 05/05/2015 15:43
 Sampled By Scott Torcise
 Type Production
 Method Stockpile
 Location Commercial Screenings Stockpile
 Process PCQC
 Ledge
 Other
 Weather
 Temp

Split Sample
 Resample
 Lot / Sublot
 Quad / Quantity

Sequence
 Code

Test Note

Gradation Results

Date Completed 05/05/2015 17:08

Tested By Scott Torcise

Unit	Moist Mass	Dry Mass	Wash Mass	Moisture %	Wash Loss %	Procedure
g		517.10	500.10		3.3	AASHTO T-27

Sieve	Mass Retained	Cum Mass Retained	Ind % Retained	% Retained	% Passing	Target	Specification	Comment
3/8" (9.5mm)	0.0	0.0	0.0	0.0	100.0			
#4 (4.75mm)	1.7	1.7	0.3	0.3	99.7			
#8 (2.36mm)	89.0	90.7	17.2	17.5	82.5			
#16 (1.18mm)	91.7	182.4	17.7	35.3	64.7			
#30 (0.6mm)	66.0	248.4	12.8	48.0	52.0			
#50 (0.3mm)	87.4	335.8	16.9	64.9	35.1			
#100 (0.15mm)	119.7	455.5	23.1	88.1	11.9			
#200 (75um)	40.5	496.0	7.83	95.92	4.08			
Pan	3.5	499.5	4.08	100.00	0.00			

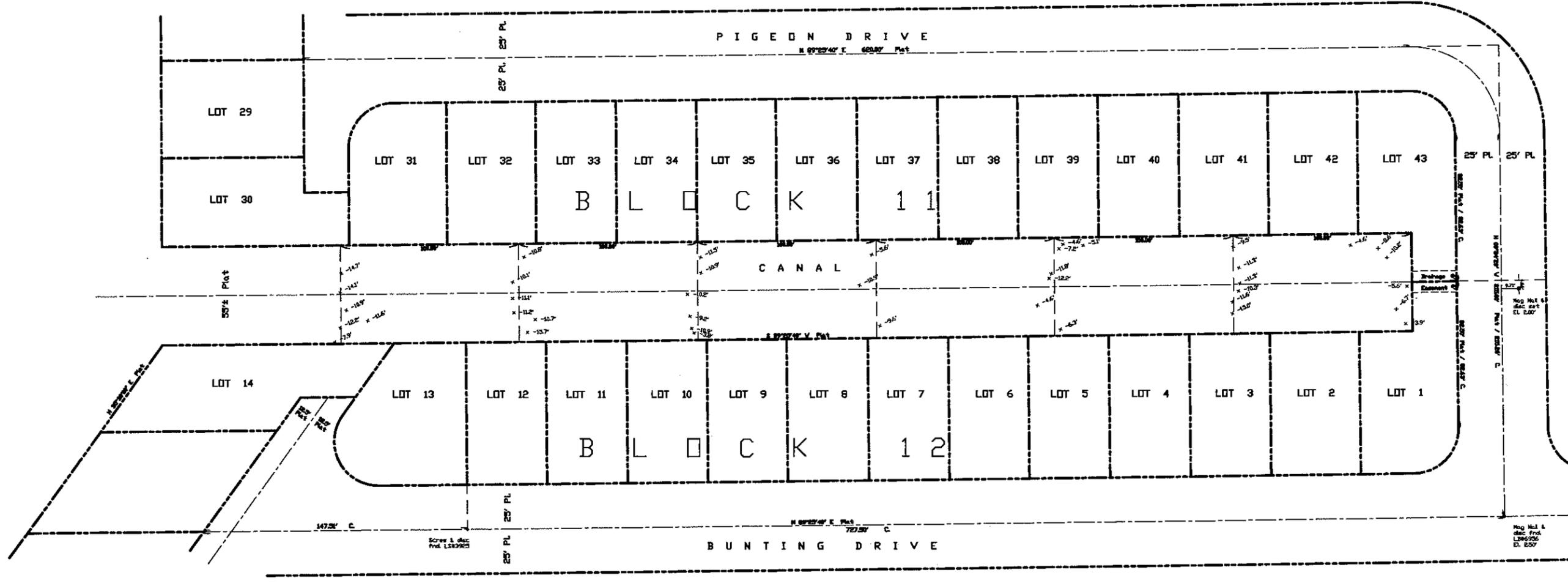
Other Test Results

Test Name	Date	Result	Unit	Target	Specification	Comment
	Procedure	Lab			Tested By	
Grad Loss	05/05/2015 17:08	0.116	%		SDI Quarry	Scott Torcise

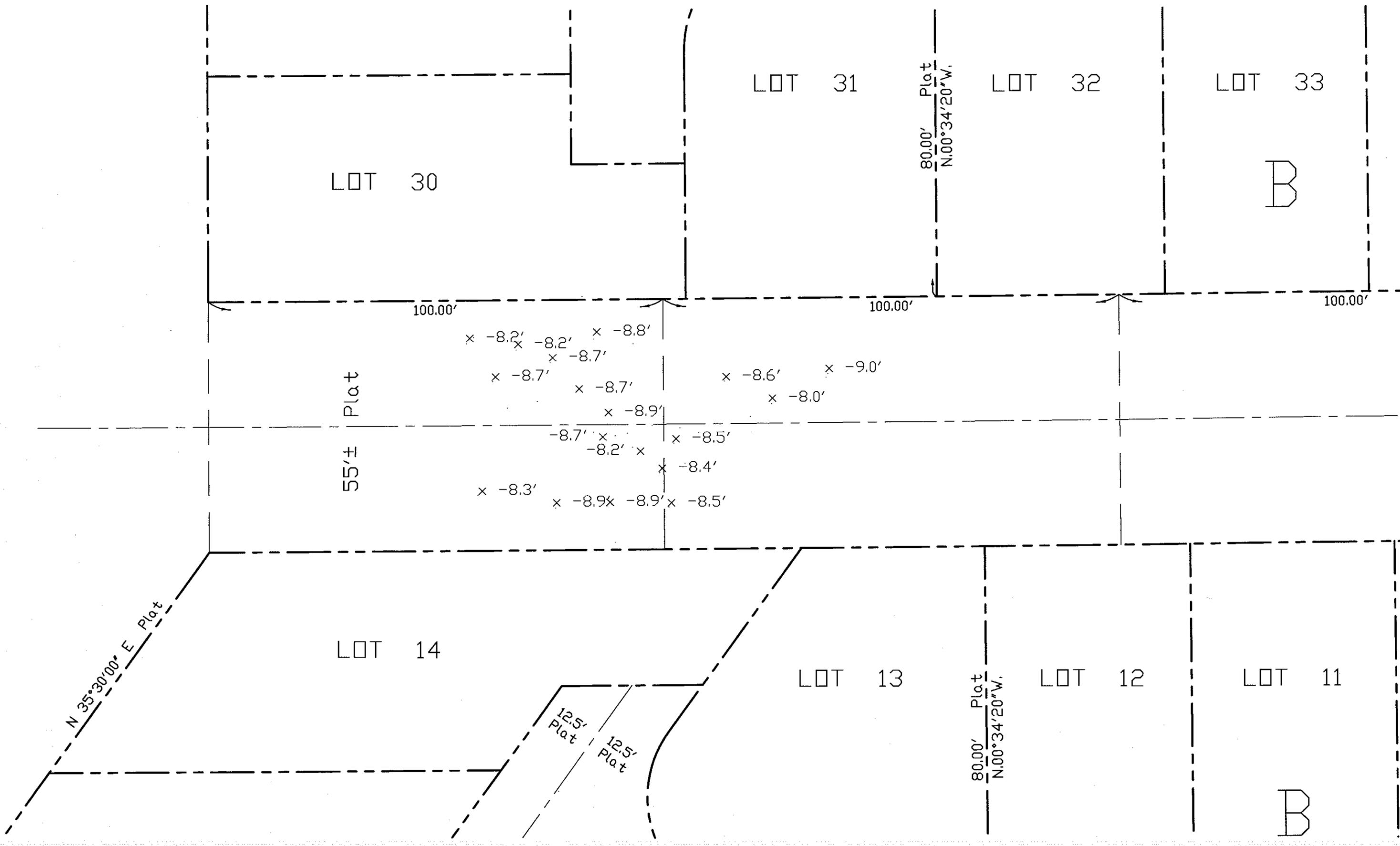
ATTACHMENT C

SURVEYS

NOTES:
 1 This sketch was made for the "Specific Purpose" of showing canal depths in the canal between Blocks 11 and 12, of Sexton Cove Estates, Plat Book 6, of Page 30 of the Public Records of Monroe County, Florida.
 THIS IS NOT A BOUNDARY SURVEY
 2 Bearing base for this sketch is the centerline of Bunting Drive, according to the said Plat of Sexton Cove Estates.
 3 Canal bottom elevations are shown "thus x -11.1" and are based on National Geodetic Survey monument T-274, EL. 8.09' NAVD 1988 adjustment.



ABBREVIATIONS	
ADJ.	Adjacent
AL.	Alley
AN.	Annexation
AP.	Apportionment
AS.	Assessment
AV.	Aviation
B.	Block
B.C.	Block Corner
B.L.	Block Line
B.P.	Block Point
B.S.	Block Section
B.T.	Block Terminal
B.U.	Block Unit
B.V.	Block Vertex
B.W.	Block Width
B.Y.	Block Yield
C.	Canal
C.A.	Canal Access
C.B.	Canal Bottom
C.D.	Canal Depth
C.E.	Canal Elevation
C.F.	Canal Flow
C.G.	Canal Grade
C.H.	Canal Height
C.I.	Canal Inlet
C.J.	Canal Junction
C.K.	Canal Kiosk
C.L.	Canal Line
C.M.	Canal Mouth
C.N.	Canal No. 1
C.O.	Canal Outlet
C.P.	Canal Point
C.Q.	Canal Quarter
C.R.	Canal Right
C.S.	Canal Section
C.T.	Canal Terminal
C.U.	Canal Unit
C.V.	Canal Vertex
C.W.	Canal Width
C.Y.	Canal Yield
D.	Drive
D.A.	Drive Access
D.B.	Drive Bottom
D.C.	Drive Depth
D.E.	Drive Elevation
D.F.	Drive Flow
D.G.	Drive Grade
D.H.	Drive Height
D.I.	Drive Inlet
D.J.	Drive Junction
D.K.	Drive Kiosk
D.L.	Drive Line
D.M.	Drive Mouth
D.N.	Drive No. 1
D.O.	Drive Outlet
D.P.	Drive Point
D.Q.	Drive Quarter
D.R.	Drive Right
D.S.	Drive Section
D.T.	Drive Terminal
D.U.	Drive Unit
D.V.	Drive Vertex
D.W.	Drive Width
D.Y.	Drive Yield
E.	Elevation
E.A.	Elevation Access
E.B.	Elevation Bottom
E.C.	Elevation Depth
E.D.	Elevation Elevation
E.E.	Elevation Elevation
E.F.	Elevation Flow
E.G.	Elevation Grade
E.H.	Elevation Height
E.I.	Elevation Inlet
E.J.	Elevation Junction
E.K.	Elevation Kiosk
E.L.	Elevation Line
E.M.	Elevation Mouth
E.N.	Elevation No. 1
E.O.	Elevation Outlet
E.P.	Elevation Point
E.Q.	Elevation Quarter
E.R.	Elevation Right
E.S.	Elevation Section
E.T.	Elevation Terminal
E.U.	Elevation Unit
E.V.	Elevation Vertex
E.W.	Elevation Width
E.Y.	Elevation Yield
F.	Flow
F.A.	Flow Access
F.B.	Flow Bottom
F.C.	Flow Depth
F.D.	Flow Elevation
F.E.	Flow Elevation
F.F.	Flow Flow
F.G.	Flow Grade
F.H.	Flow Height
F.I.	Flow Inlet
F.J.	Flow Junction
F.K.	Flow Kiosk
F.L.	Flow Line
F.M.	Flow Mouth
F.N.	Flow No. 1
F.O.	Flow Outlet
F.P.	Flow Point
F.Q.	Flow Quarter
F.R.	Flow Right
F.S.	Flow Section
F.T.	Flow Terminal
F.U.	Flow Unit
F.V.	Flow Vertex
F.W.	Flow Width
F.Y.	Flow Yield
G.	Grade
G.A.	Grade Access
G.B.	Grade Bottom
G.C.	Grade Depth
G.D.	Grade Elevation
G.E.	Grade Elevation
G.F.	Grade Flow
G.G.	Grade Grade
G.H.	Grade Height
G.I.	Grade Inlet
G.J.	Grade Junction
G.K.	Grade Kiosk
G.L.	Grade Line
G.M.	Grade Mouth
G.N.	Grade No. 1
G.O.	Grade Outlet
G.P.	Grade Point
G.Q.	Grade Quarter
G.R.	Grade Right
G.S.	Grade Section
G.T.	Grade Terminal
G.U.	Grade Unit
G.V.	Grade Vertex
G.W.	Grade Width
G.Y.	Grade Yield
H.	Height
H.A.	Height Access
H.B.	Height Bottom
H.C.	Height Depth
H.D.	Height Elevation
H.E.	Height Elevation
H.F.	Height Flow
H.G.	Height Grade
H.H.	Height Height
H.I.	Height Inlet
H.J.	Height Junction
H.K.	Height Kiosk
H.L.	Height Line
H.M.	Height Mouth
H.N.	Height No. 1
H.O.	Height Outlet
H.P.	Height Point
H.Q.	Height Quarter
H.R.	Height Right
H.S.	Height Section
H.T.	Height Terminal
H.U.	Height Unit
H.V.	Height Vertex
H.W.	Height Width
H.Y.	Height Yield
I.	Inlet
I.A.	Inlet Access
I.B.	Inlet Bottom
I.C.	Inlet Depth
I.D.	Inlet Elevation
I.E.	Inlet Elevation
I.F.	Inlet Flow
I.G.	Inlet Grade
I.H.	Inlet Height
I.I.	Inlet Inlet
I.J.	Inlet Junction
I.K.	Inlet Kiosk
I.L.	Inlet Line
I.M.	Inlet Mouth
I.N.	Inlet No. 1
I.O.	Inlet Outlet
I.P.	Inlet Point
I.Q.	Inlet Quarter
I.R.	Inlet Right
I.S.	Inlet Section
I.T.	Inlet Terminal
I.U.	Inlet Unit
I.V.	Inlet Vertex
I.W.	Inlet Width
I.Y.	Inlet Yield
J.	Junction
J.A.	Junction Access
J.B.	Junction Bottom
J.C.	Junction Depth
J.D.	Junction Elevation
J.E.	Junction Elevation
J.F.	Junction Flow
J.G.	Junction Grade
J.H.	Junction Height
J.I.	Junction Inlet
J.J.	Junction Junction
J.K.	Junction Kiosk
J.L.	Junction Line
J.M.	Junction Mouth
J.N.	Junction No. 1
J.O.	Junction Outlet
J.P.	Junction Point
J.Q.	Junction Quarter
J.R.	Junction Right
J.S.	Junction Section
J.T.	Junction Terminal
J.U.	Junction Unit
J.V.	Junction Vertex
J.W.	Junction Width
J.Y.	Junction Yield
K.	Kiosk
K.A.	Kiosk Access
K.B.	Kiosk Bottom
K.C.	Kiosk Depth
K.D.	Kiosk Elevation
K.E.	Kiosk Elevation
K.F.	Kiosk Flow
K.G.	Kiosk Grade
K.H.	Kiosk Height
K.I.	Kiosk Inlet
K.J.	Kiosk Junction
K.K.	Kiosk Kiosk
K.L.	Kiosk Line
K.M.	Kiosk Mouth
K.N.	Kiosk No. 1
K.O.	Kiosk Outlet
K.P.	Kiosk Point
K.Q.	Kiosk Quarter
K.R.	Kiosk Right
K.S.	Kiosk Section
K.T.	Kiosk Terminal
K.U.	Kiosk Unit
K.V.	Kiosk Vertex
K.W.	Kiosk Width
K.Y.	Kiosk Yield
L.	Line
L.A.	Line Access
L.B.	Line Bottom
L.C.	Line Depth
L.D.	Line Elevation
L.E.	Line Elevation
L.F.	Line Flow
L.G.	Line Grade
L.H.	Line Height
L.I.	Line Inlet
L.J.	Line Junction
L.K.	Line Kiosk
L.L.	Line Line
L.M.	Line Mouth
L.N.	Line No. 1
L.O.	Line Outlet
L.P.	Line Point
L.Q.	Line Quarter
L.R.	Line Right
L.S.	Line Section
L.T.	Line Terminal
L.U.	Line Unit
L.V.	Line Vertex
L.W.	Line Width
L.Y.	Line Yield
M.	Mouth
M.A.	Mouth Access
M.B.	Mouth Bottom
M.C.	Mouth Depth
M.D.	Mouth Elevation
M.E.	Mouth Elevation
M.F.	Mouth Flow
M.G.	Mouth Grade
M.H.	Mouth Height
M.I.	Mouth Inlet
M.J.	Mouth Junction
M.K.	Mouth Kiosk
M.L.	Mouth Line
M.M.	Mouth Mouth
M.N.	Mouth No. 1
M.O.	Mouth Outlet
M.P.	Mouth Point
M.Q.	Mouth Quarter
M.R.	Mouth Right
M.S.	Mouth Section
M.T.	Mouth Terminal
M.U.	Mouth Unit
M.V.	Mouth Vertex
M.W.	Mouth Width
M.Y.	Mouth Yield
N.	No. 1
N.A.	No. 1 Access
N.B.	No. 1 Bottom
N.C.	No. 1 Depth
N.D.	No. 1 Elevation
N.E.	No. 1 Elevation
N.F.	No. 1 Flow
N.G.	No. 1 Grade
N.H.	No. 1 Height
N.I.	No. 1 Inlet
N.J.	No. 1 Junction
N.K.	No. 1 Kiosk
N.L.	No. 1 Line
N.M.	No. 1 Mouth
N.N.	No. 1 No. 1
N.O.	No. 1 Outlet
N.P.	No. 1 Point
N.Q.	No. 1 Quarter
N.R.	No. 1 Right
N.S.	No. 1 Section
N.T.	No. 1 Terminal
N.U.	No. 1 Unit
N.V.	No. 1 Vertex
N.W.	No. 1 Width
N.Y.	No. 1 Yield
O.	Outlet
O.A.	Outlet Access
O.B.	Outlet Bottom
O.C.	Outlet Depth
O.D.	Outlet Elevation
O.E.	Outlet Elevation
O.F.	Outlet Flow
O.G.	Outlet Grade
O.H.	Outlet Height
O.I.	Outlet Inlet
O.J.	Outlet Junction
O.K.	Outlet Kiosk
O.L.	Outlet Line
O.M.	Outlet Mouth
O.N.	Outlet No. 1
O.O.	Outlet Outlet
O.P.	Outlet Point
O.Q.	Outlet Quarter
O.R.	Outlet Right
O.S.	Outlet Section
O.T.	Outlet Terminal
O.U.	Outlet Unit
O.V.	Outlet Vertex
O.W.	Outlet Width
O.Y.	Outlet Yield
P.	Point
P.A.	Point Access
P.B.	Point Bottom
P.C.	Point Depth
P.D.	Point Elevation
P.E.	Point Elevation
P.F.	Point Flow
P.G.	Point Grade
P.H.	Point Height
P.I.	Point Inlet
P.J.	Point Junction
P.K.	Point Kiosk
P.L.	Point Line
P.M.	Point Mouth
P.N.	Point No. 1
P.O.	Point Outlet
P.P.	Point Point
P.Q.	Point Quarter
P.R.	Point Right
P.S.	Point Section
P.T.	Point Terminal
P.U.	Point Unit
P.V.	Point Vertex
P.W.	Point Width
P.Y.	Point Yield
Q.	Quarter
Q.A.	Quarter Access
Q.B.	Quarter Bottom
Q.C.	Quarter Depth
Q.D.	Quarter Elevation
Q.E.	Quarter Elevation
Q.F.	Quarter Flow
Q.G.	Quarter Grade
Q.H.	Quarter Height
Q.I.	Quarter Inlet
Q.J.	Quarter Junction
Q.K.	Quarter Kiosk
Q.L.	Quarter Line
Q.M.	Quarter Mouth
Q.N.	Quarter No. 1
Q.O.	Quarter Outlet
Q.P.	Quarter Point
Q.Q.	Quarter Quarter
Q.R.	Quarter Right
Q.S.	Quarter Section
Q.T.	Quarter Terminal
Q.U.	Quarter Unit
Q.V.	Quarter Vertex
Q.W.	Quarter Width
Q.Y.	Quarter Yield
R.	Right
R.A.	Right Access
R.B.	Right Bottom
R.C.	Right Depth
R.D.	Right Elevation
R.E.	Right Elevation
R.F.	Right Flow
R.G.	Right Grade
R.H.	Right Height
R.I.	Right Inlet
R.J.	Right Junction
R.K.	Right Kiosk
R.L.	Right Line
R.M.	Right Mouth
R.N.	Right No. 1
R.O.	Right Outlet
R.P.	Right Point
R.Q.	Right Quarter
R.R.	Right Right
R.S.	Right Section
R.T.	Right Terminal
R.U.	Right Unit
R.V.	Right Vertex
R.W.	Right Width
R.Y.	Right Yield
S.	Section
S.A.	Section Access
S.B.	Section Bottom
S.C.	Section Depth
S.D.	Section Elevation
S.E.	Section Elevation
S.F.	Section Flow
S.G.	Section Grade
S.H.	Section Height
S.I.	Section Inlet
S.J.	Section Junction
S.K.	Section Kiosk
S.L.	Section Line
S.M.	Section Mouth
S.N.	Section No. 1
S.O.	Section Outlet
S.P.	Section Point
S.Q.	Section Quarter
S.R.	Section Right
S.S.	Section Section
S.T.	Section Terminal
S.U.	Section Unit
S.V.	Section Vertex
S.W.	Section Width
S.Y.	Section Yield
T.	Terminal
T.A.	Terminal Access
T.B.	Terminal Bottom
T.C.	Terminal Depth
T.D.	Terminal Elevation
T.E.	Terminal Elevation
T.F.	Terminal Flow
T.G.	Terminal Grade
T.H.	Terminal Height
T.I.	Terminal Inlet
T.J.	Terminal Junction
T.K.	Terminal Kiosk
T.L.	Terminal Line
T.M.	Terminal Mouth
T.N.	Terminal No. 1
T.O.	Terminal Outlet
T.P.	Terminal Point
T.Q.	Terminal Quarter
T.R.	Terminal Right
T.S.	Terminal Section
T.T.	Terminal Terminal
T.U.	Terminal Unit
T.V.	Terminal Vertex
T.W.	Terminal Width
T.Y.	Terminal Yield
U.	Unit
U.A.	Unit Access
U.B.	Unit Bottom
U.C.	Unit Depth
U.D.	Unit Elevation
U.E.	Unit Elevation
U.F.	Unit Flow
U.G.	Unit Grade
U.H.	Unit Height
U.I.	Unit Inlet
U.J.	Unit Junction
U.K.	Unit Kiosk
U.L.	Unit Line
U.M.	Unit Mouth
U.N.	Unit No. 1
U.O.	Unit Outlet
U.P.	Unit Point
U.Q.	Unit Quarter
U.R.	Unit Right
U.S.	Unit Section
U.T.	Unit Terminal
U.U.	Unit Unit
U.V.	Unit Vertex
U.W.	Unit Width
U.Y.	Unit Yield
V.	Vertex
V.A.	Vertex Access
V.B.	Vertex Bottom
V.C.	Vertex Depth
V.D.	Vertex Elevation
V.E.	Vertex Elevation
V.F.	Vertex Flow
V.G.	Vertex Grade
V.H.	Vertex Height
V.I.	Vertex Inlet
V.J.	Vertex Junction
V.K.	Vertex Kiosk
V.L.	Vertex Line
V.M.	Vertex Mouth
V.N.	Vertex No. 1
V.O.	Vertex Outlet
V.P.	Vertex Point
V.Q.	Vertex Quarter
V.R.	Vertex Right
V.S.	Vertex Section
V.T.	Vertex Terminal
V.U.	Vertex Unit
V.V.	Vertex Vertex
V.W.	Vertex Width
V.Y.	Vertex Yield
W.	Width
W.A.	Width Access
W.B.	Width Bottom
W.C.	Width Depth
W.D.	Width Elevation
W.E.	Width Elevation
W.F.	Width Flow
W.G.	Width Grade
W.H.	Width Height
W.I.	Width Inlet
W.J.	Width Junction
W.K.	Width Kiosk
W.L.	Width Line
W.M.	Width Mouth
W.N.	Width No. 1
W.O.	Width Outlet



LOT 30

LOT 31

LOT 32

LOT 33

B

100.00'

100.00'

100.00'

55'± Plot

80.00' Plot
N.00°34'20"W.

80.00' Plot
N.00°34'20"W.

N 35°30'00" E Plot

LOT 14

LOT 13

LOT 12

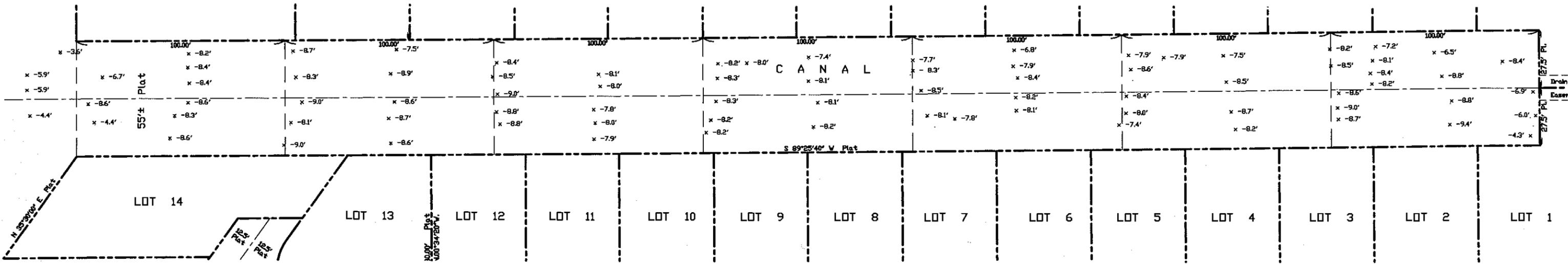
LOT 11

12.5' Plot

12.5' Plot

B

x -8.2' x -8.2' x -8.8'
x -8.7' x -8.7'
x -8.7' x -8.7'
x -8.9'
x -8.6' x -9.0'
x -8.0'
-8.7' x -8.5'
-8.2' x -8.4'
x -8.3' x -8.9' x -8.9' x -8.5'



ATTACHMENT D

HOMEOWNER APPROVAL OF STAGING AREA RESTORATION



BOARD OF COUNTY COMMISSIONERS

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

August 13, 2015



Alejandro and Betsy Fernandez
8830 NW 176 Lane
Miami FL 33018.

Subject: Satisfaction with Restoration Work on Your Property
Related to Use as a Staging Area for Backfilling for Water Quality Improvement
11 Pigeon Drive, Key Largo, FL 33037, Parcel Identification No.532701.0328

Dear Mr. and Mrs. Fernandez,

The County has completed the Backfilling water quality restoration project on your canal. We greatly appreciate the use of your property for staging of equipment and backfill materials!

Please note Item #4 of the Hold Harmless/Maintenance Agreement stated:

The County will remove and store the existing fence on the Property, as necessary, and will erect a construction fence for the duration of the Backfilling Project. Once the Backfilling Project is complete, the County will replace the Property Owner's original fence and property to its original or better condition which includes re-grading and re-sodding of disturbed areas.

All of this work has been completed and the original fence has been replaced and the lot has been sodded. Photographs of your property pre-construction and after final restoration are shown below. The property has been restored to its original or better conditions. Please inspect the photographs and/or the actual property and acknowledge that the restoration meets your approval.

Pre-construction 11 Pigeon Drive photograph Post-construction restoration of 11 Pigeon Drive



Please return the signed notarized acceptance of the restoration work at your property to my attention>
Sincerely,

Rhonda Haag

ACCEPTANCE OF RESTORATION WORK

We, Alejandro and Betsy Fernandez, acknowledge that we are satisfied with the restoration work completed on our property located at 11 Pigeon Drive, Key Largo, FL 33037, whose Parcel Identification No. is 532701.0328 in association with installation of the Monroe County water quality improvement backfilling project.

IN WITNESS WHEREOF, the parties have agreed to the acceptance of the restoration work on this 25th day of SEPTEMBER, 2015

By: [Signature]
Betsy Fernandez, Property Owner

Date: 9/25/15

By: [Signature]
Alejandro Fernandez, Property Owner

Date: 9/25/15

STATE OF FLORIDA
COUNTY OF MONROE

The foregoing instrument was acknowledged before me this 25th day of SEPT., 2015 by Betsy Fernandez and Alejandro Fernandez, owners of the property listed above. Who individually are personally known to me or individually have produced their N/A as identification.

Signature of Notary Public

[Signature]
E. FERNANDEZ

Print Notary Name or Stamp

Commission No. _____

My commission expires: _____



ATTACHMENT E

PERMIT CLOSE OUT DOCUMENTS



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

November 18, 2015

Monroe County Board of County Commissioners
1100 Simonton Street
Key West, FL 33040

**Subject: Construction Completion Certification Acceptance
Canal 29 - Sexton Cove Canal Backfilling
Permit No. 44-00570-P, Application No. 140926-10
Monroe County, S1/T61S/R39E**

Dear Permittee:

This letter is to acknowledge receipt of your Florida registered professional's construction completion certification (CCC) pertaining to the stormwater management system referenced above. As discussed with South Florida Water Management District (District) staff and Jeremy Paris with AMEC Foster Wheeler on November 17, 2015, the submitted information has been accepted and incorporated into the permit file.

This acceptance is based on the South Florida Water Management District's (District) review of the "As-built Certification and Request for Conversion to Operation Phase", Form 62-330.310(1), and a determination that construction is in substantial conformance with the plans and specifications approved by the District, in accordance with Section 62-330.310, Florida Administrative Code (FAC). The permit file has been updated to reflect this determination.

By accepting the Florida registered professional's certification, District staff considers the stormwater management system permitted under the above-referenced application number(s) to be in compliance with permit conditions pertaining to the CCC and the above-referenced permit is hereby converted from the construction phase to the operation and maintenance phase.

Please be aware that all perpetual operation and maintenance requirements of this permit are the responsibility of the permittee and that the District reserves the right to inspect the project in the future to ensure continued compliance with the permit. If at any time it is determined that the constructed system is not operating as intended, you may be required to correct any construction deficiencies in the system necessary to meet District rule criteria.

11-18-2015

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. 16th 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



Canal 29 - Sexton Cove Canal Backfilling
Permit Number 44-00570-P
Page 2

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. 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, in the West Palm Beach Office.

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
West Palm Beach Office
South Florida Water Management District

Enclosure(s): Location Map
Notice of Rights

c: Wendy Blondin; AMEC Foster Wheeler (via Email)



Exhibit No: 1	Exhibit Created On: 2015-11-17	MONROE COUNTY, FL	 <p>Application</p> <p>Permit No: 44-00570-P</p> <p>Application Number: 140926-10</p>
<p>REGULATION DIVISION</p> <p>Project Name: CANAL 29 - SEXTON COVE CANAL BACKFILLING</p>			
	<p>0 550 1,100</p> <p>_____ Feet</p> 	<p>Created by</p>  <p>South Florida Water Management District</p>	

NOTICE OF RIGHTS

As required by Sections 120.569 and 120.60(3), Fla. Stat., the following is notice of the opportunities which may be available for administrative hearing or judicial review when the substantial interests of a party are determined by an agency. Please note that this Notice of Rights is not intended to provide legal advice. Not all of the legal proceedings detailed below may be an applicable or appropriate remedy. You may wish to consult an attorney regarding your legal rights.

RIGHT TO REQUEST ADMINISTRATIVE HEARING

A person whose substantial interests are or may be affected by the South Florida Water Management District's (SFWMD or District) action has the right to request an administrative hearing on that action pursuant to Sections 120.569 and 120.57, Fla. Stat. Persons seeking a hearing on a SFWMD decision which affects or may affect their substantial interests shall file a petition for hearing with the Office of the District Clerk of the SFWMD, in accordance with the filing instructions set forth herein, within 21 days of receipt of written notice of the decision, unless one of the following shorter time periods apply: (1) within 14 days of the notice of consolidated intent to grant or deny concurrently reviewed applications for environmental resource permits and use of sovereign submerged lands pursuant to Section 373.427, Fla. Stat.; or (2) within 14 days of service of an Administrative Order pursuant to Section 373.119(1), Fla. Stat. "Receipt of written notice of agency decision" means receipt of written notice through mail, electronic mail, or posting that the SFWMD has or intends to take final agency action, or publication of notice that the SFWMD has or intends to take final agency action. Any person who receives written notice of a SFWMD decision and fails to file a written request for hearing within the timeframe described above waives the right to request a hearing on that decision.

If the District takes final agency action which materially differs from the noticed intended agency decision, persons who may be substantially affected shall, unless otherwise provided by law, have an additional Rule 28-106.111, Fla. Admin. Code, point of entry.

Any person to whom an emergency order is directed pursuant to Section 373.119(2), Fla. Stat., shall comply therewith immediately, but on petition to the board shall be afforded a hearing as soon as possible.

A person may file a request for an extension of time for filing a petition. The SFWMD may, for good cause, grant the request. Requests for extension of time must be filed with the SFWMD prior to the deadline for filing a petition for hearing. Such requests for extension shall contain a certificate that the moving party has consulted with all other parties concerning the extension and that the SFWMD and any other parties agree to or oppose the extension. A timely request for an extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

FILING INSTRUCTIONS

A petition for administrative hearing must be filed with the Office of the District Clerk of the SFWMD. Filings with the Office of the District Clerk may be made by mail, hand-delivery, or e-mail. Filings by facsimile will not be accepted. A petition for administrative hearing or other document is deemed filed upon receipt during normal business hours by the Office of the District Clerk at SFWMD headquarters in West Palm Beach, Florida. The District's normal business hours are 8:00 a.m. – 5:00 p.m., excluding weekends and District holidays. Any document received by the Office of the District Clerk after 5:00 p.m. shall be deemed filed as of 8:00 a.m. on the next regular business day. Additional filing instructions are as follows:

- Filings by mail must be addressed to the Office of the District Clerk, P.O. Box 24680, West Palm Beach, Florida 33416.

- Filings by hand-delivery must be delivered to the Office of the District Clerk. Delivery of a petition to the SFWMD's security desk does not constitute filing. It will be necessary to request that the SFWMD's security officer contact the Office of the District Clerk. An employee of the SFWMD's Clerk's office will receive and file the petition.
- Filings by e-mail must be transmitted to the Office of the District Clerk at clerk@sfwmd.gov. The filing date for a document transmitted by electronic mail shall be the date the Office of the District Clerk receives the complete document. A party who files a document by e-mail shall (1) represent that the original physically signed document will be retained by that party for the duration of the proceeding and of any subsequent appeal or subsequent proceeding in that cause and that the party shall produce it upon the request of other parties; and (2) be responsible for any delay, disruption, or interruption of the electronic signals and accepts the full risk that the document may not be properly filed.

INITIATION OF AN ADMINISTRATIVE HEARING

Pursuant to Sections 120.54(5)(b)4. and 120.569(2)(c), Fla. Stat., and Rules 28-106.201 and 28-106.301, Fla. Admin. Code, initiation of an administrative hearing shall be made by written petition to the SFWMD in legible form and on 8 1/2 by 11 inch white paper. All petitions shall contain:

1. Identification of the action being contested, including the permit number, application number, SFWMD file number or any other SFWMD identification number, if known.
2. The name, address, any email address, any facsimile number, and telephone number of the petitioner and petitioner's representative, if any.
3. An explanation of how the petitioner's substantial interests will be affected by the agency determination.
4. A statement of when and how the petitioner received notice of the SFWMD's decision.
5. A statement of all disputed issues of material fact. If there are none, the petition must so indicate.
6. A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the SFWMD's proposed action.
7. A statement of the specific rules or statutes the petitioner contends require reversal or modification of the SFWMD's proposed action.
8. If disputed issues of material fact exist, the statement must also include an explanation of how the alleged facts relate to the specific rules or statutes.
9. A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the SFWMD to take with respect to the SFWMD's proposed action.

MEDIATION

The procedures for pursuing mediation are set forth in Section 120.573, Fla. Stat., and Rules 28-106.111 and 28-106.401-.405, Fla. Admin. Code. The SFWMD is not proposing mediation for this agency action under Section 120.573, Fla. Stat., at this time.

RIGHT TO SEEK JUDICIAL REVIEW

Pursuant to Section 120.68, Fla. Stat., and in accordance with Florida Rule of Appellate Procedure 9.110, a party who is adversely affected by final SFWMD action may seek judicial review of the SFWMD's final decision by filing a notice of appeal with the Office of the District Clerk of the SFWMD in accordance with the filing instructions set forth herein within 30 days of rendition of the order to be reviewed, and by filing a copy of the notice with the clerk of the appropriate district court of appeal.

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.: 44-00570-P	Application No(s). 140926-10	Permittee: Monroe County BOCC
Project Name: Canal 29 - Sexton Cove Canal Backfilling		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: _____ Signature ! AFFIX SEAL !	Stephen Hanks _____ Print Name Amec Foster Wheeler _____ Company Name 5845 NW 158th St, Miami Lakes, FL _____ Company Address	72253 _____ Fla. Lic. or Reg. No 10/22/2015 _____ Date
--	---	---

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

By: _____ Signature	_____ Print Name _____ Company Name _____ Company Address	_____ Date
------------------------	--	---------------



SELF-CERTIFICATION STATEMENT OF COMPLIANCE

Permit Number: SAJ-2014-02871 (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 Wes, Florida 33040

Telephone Number: (305) 292-4441

Location of the Work: Between Bunting Drive and Pigeon Drive, Key Largo, Florida

Date Work Started: March 9, 2015

Date Work Completed: October 16, 2015

PROPERTY IS INACCESSIBLE WITHOUT PRIOR NOTIFICATION: YES X NO
PLEASE CONTACT Wendy Blondin AT 305-298-9431
TO SCHEDULE AN INSPECTION

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

Placement of clean fill material within a canal to restore depth levels -8.7 feet NAVD88.

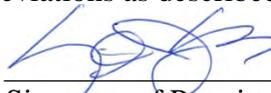
Acreage or Square Feet of Impacts to Waters of the United States: Non-applicable. Project was for water quality improvement.

Describe Mitigation completed (if applicable): _____

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

Non-applicable.

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).



Engineer of Record
Signature of Permittee

October 23, 2015

Date

Blondin, Wendy

From: Joanne Delaney - NOAA Affiliate <joanne.delaney@noaa.gov>
Sent: Thursday, October 15, 2015 9:31 AM
To: Blondin, Wendy
Cc: Paris, Jeremy M
Subject: Re: FKNMS-2014-158 Notification

Dear Wendy,

Thank you for your message and notification that this project has been successfully completed. I will make a note in the permit file to this effect.

Thanks very much,
Joanne

Joanne Delaney
Permit Coordinator
NOAA/Florida Keys National Marine Sanctuary
joanne.delaney@noaa.gov
(978) 471-9653
floridakeys.noaa.gov
[Join us on Facebook](#)
[Follow us on Twitter](#)



On Wed, Oct 14, 2015 at 2:44 PM, Blondin, Wendy <wendy.blondin@amecfw.com> wrote:

Joanne,

The backfilling project in Key Largo was completed successfully without incident. We just received the final 90 day post backfilling survey which verifies that the fill did not compact or settle therefore no additional backfilling work is needed. We are preparing project closure documentation and wanted to close out this permit.

Thank you.

Wendy

Wendy Blondin, P.G.

Senior Project Manager



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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	14305777	RE	00000000000004
Permit Type	65 CAN	Balance Due	\$0.00
Property Address	CANAL BETWEEN PEIGEON DR AND BUNTING DR	Status	Closed

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

PERMIT INFORMATION

Application Date	12-22-2014	Operator	tuckerm
Issued Date	02-25-2015	Operator	antetomj
Master Number		Project Number	
C.O. Number		Operator	
C.O. Issued		Usage Class	N/A
C-404 Type		Units	0
Applied Value	1200000	Contractor ID	08360
Calculated Value	0		

PROPERTY ON PERMIT

RE	00000000000004
Unit	
Address	CANAL BETWEEN PEIGEON DR AND BUNTING DR
City/State/Zip	KEY LARGO, FL 33070

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 BETWEEN PIGEON DR AND BUNTING DR
CANAL RESTORATION
** NOTICE OF COMMENCEMENT REQUIRED **
PERMIT APPROVAL TO FOR CANAL RESTORATION



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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	15300168	RE	00532701032800
Permit Type	12	Balance Due	\$0.00
Property Address	11 PIGEON DR	Status	Closed

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

PERMIT INFORMATION

Application Date	01-14-2015	Operator	antetomj
Issued Date	02-25-2015	Operator	antetomj
Master Number		Project Number	
C.O. Number		Operator	
C.O. Issued			
C-404 Type		Usage Class	RES
Applied Value	2500	Units	0
Calculated Value	0	Contractor ID	08360

PROPERTY ON PERMIT

RE	00532701032800
Unit	
Address	11 PIGEON DR
City/State/Zip	KEY LARGO, FL 33037

OWNER ON PERMIT

Name	FERNANDEZ ALEJANDRO AND BETSY
Address	8830 NW 176TH LN
City/State/Zip	MIAMI, FL 33018
Type	Private

APPLICANT

No Applicant Information on file for this permit

MISCELLANEOUS INFORMATION / NOTES

11 PIGEON DRIVE-SEXTON COVE ESTATES
FENCE TEMP & TEMPORARY CONSTRUCTION STAGING
NOTICE OF COMMENCEMENT 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	14305617	RE	00532701032800
Permit Type	12	Balance Due	\$0.00
Property Address	11 PIGEON DR	Status	Closed

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

PERMIT INFORMATION

Application Date	12-11-2014	Operator	benderd
Issued Date	02-25-2015	Operator	antetomj
Master Number		Project Number	
C.O. Number		Operator	
C.O. Issued			
C-404 Type		Usage Class	RES
Applied Value	2000	Units	0
Calculated Value	0	Contractor ID	08360

PROPERTY ON PERMIT

RE	00532701032800
Unit	
Address	11 PIGEON DR
City/State/Zip	KEY LARGO, FL 33037

OWNER ON PERMIT

Name	FERNANDEZ ALEJANDRO AND BETSY
Address	8830 NW 176TH LN
City/State/Zip	MIAMI, FL 33018
Type	Private

APPLICANT

No Applicant Information on file for this permit

MISCELLANEOUS INFORMATION / NOTES

11 PIGEON DRIVE-SEXTON COVE
FENCE TEMP.
NOTICE OF COMMENCEMENT NOT REQUIRED

PERMIT APPROVAL TO INSTALL 120 LINEAR FEET OF