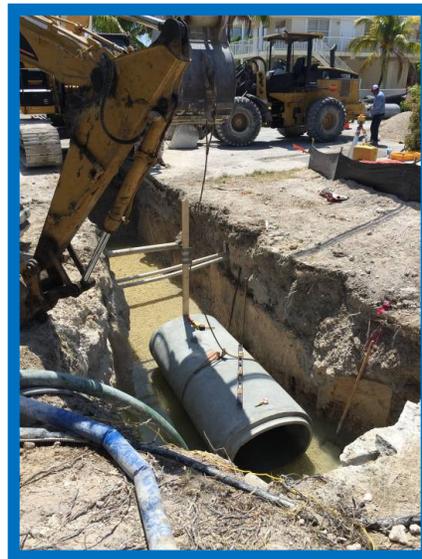


CONSTRUCTION ENGINEERING INSPECTION REPORT

CANAL#472 CANAL RESTORATION PROJECT

TAMARAC PARK BETWEEN VENUS AND MARS LANES GEIGER KEY, MONROE COUNTY, FLORIDA KEYS

DEP GRANT AGREEMENT NO. S0723



PREPARED BY:

AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE, INC.
5845 N.W. 158th Street
Miami Lakes, Florida 33014

Amec Foster Wheeler Project No. 6783-14-2652

May 2015



Amec Foster Wheeler E&I, Inc.
5845 N.W. 158th Street
Miami Lakes, Florida 33014
Tel (305) 826-5588
Fax (305) 826-1799

www.amecfw.com



**Construction Engineering & Inspection Report –
Geiger Key Canal #472 and #470 Culvert Installation
Monroe County, Florida
FDEP Grant Agreement #S0679**

Background/Purpose

The purpose of this report is to document the installation of the reinforced concrete elliptical culvert between Canal #472 and #470 in Geiger Key, Florida meet all requirements set forth in the plans, technical specifications, and permits.

Project Area

The project area is located south of US1 along Boca Chica Road in Geiger Key, Florida; Section 27, Township 67 S, Range 26 E, (Latitude: 24°34'47.19" North; Longitude: 81°39'16.97" West).

Construction Engineering & Inspection

AMEC provided construction engineering and inspection services for the installation of reinforced concrete elliptical culvert on March 9th through April 22nd for Canal #472 and #470. Turbidity and endangered species monitoring was required during the in water work associated with the aforementioned installation. The field notes, punch list, and photos gathered during the inspections are detailed below.

- The method for determining the turbidity results were utilizing a MicroTPI Portable Turbidity Meter and grab stick. All readings within the project area in the canals did not exceed 29 NTU's above background. Due to the implementation of the best management practices, the water quality of the Outstanding Florida Waters outside the canals was not diminished during the construction of the culvert. The figure and table below detail the data gathered during the inspection:

Figure 1 - Turbidity Monitoring Locations



Table 1 – Turbidity Readings

| Date | Station ID | Time | Station Description | Turbidity Reading (NTU) |
|----------|------------------|----------|---|-------------------------|
| 03/09/15 | #1 - Canal # 470 | 10:00 AM | Inside Canal / Before Dewatering during floating turbidity installation | 1.86 |
| 03/09/15 | #2 -Canal # 472 | 10:05 AM | Inside Canal / Before Dewatering during floating turbidity installation | 13.8 |
| 03/09/15 | #1 - Canal # 470 | 11:00 AM | Inside Canal / Before Dewatering during floating turbidity installation | 3.47 |
| 03/09/15 | #2 -Canal # 472 | 11:05 AM | Inside Canal / Before Dewatering during floating turbidity installation | 13.2 |
| 03/09/15 | #1 - Canal # 470 | 12:00 PM | Inside Canal / Before Dewatering during floating | 4.15 |

| | | | | |
|----------|------------------|-----------|--|------|
| | | | turbidity installation | |
| 03/09/15 | #2 -Canal # 472 | 12:05 PM | Inside Canal / Before Dewatering during floating turbidity installation | 13.6 |
| 03/10/15 | #1 - Canal # 470 | 10:00 AM | Inside Canal / Before Dewatering during floating turbidity installation | 3.52 |
| 03/10/15 | #2 -Canal # 472 | 10:05 AM | Inside Canal / Before Dewatering during floating turbidity installation | 13.8 |
| 03/10/15 | #1 - Canal # 470 | 110:00 AM | Inside Canal / Before Dewatering during floating turbidity installation | 6.94 |
| 03/10/15 | #2 -Canal # 472 | 11:05 AM | Inside Canal / Before Dewatering during floating turbidity installation | 15.2 |
| 03/12/15 | #1 - Canal # 470 | 10:00 AM | Inside Canal / During Dewatering, discharge on Canal 470. | 6.9 |
| 03/12/15 | #2 -Canal # 472 | 10:05 AM | Inside Canal / During Dewatering, discharge on Canal 470. | 13.8 |
| 03/12/15 | #1 - Canal # 470 | 11:00 AM | Inside Canal / During Dewatering, discharge on Canal 470. | 8.8 |
| 03/12/15 | #2 -Canal # 472 | 11:05 AM | Inside Canal / During Dewatering, discharge on Canal 470. | 13.2 |
| 03/12/15 | #1 - Canal # 470 | 12:00 PM | Inside Canal / During Dewatering, discharge on Canal 470. | 7.26 |
| 03/12/15 | #2 -Canal # 472 | 12:05 PM | Inside Canal / During Dewatering, discharge on Canal 470. | 18.1 |
| 03/13/15 | #1 - Canal # 470 | 10:00 AM | Inside Canal / During Dewatering, discharge on Canal 470. | 5.95 |
| 03/13/15 | #2 -Canal # 472 | 10:05 AM | Inside Canal / During Dewatering, discharge on Canal 470. | 13.8 |
| | | | | |

| | | | | |
|----------|------------------|----------|---|------|
| 03/13/15 | #1 - Canal # 470 | 11:00 AM | Inside Canal / During Dewatering, discharge on Canal 470. | 7.3 |
| 03/13/15 | #2 -Canal # 472 | 11:05 AM | Inside Canal / During Dewatering, discharge on Canal 470. | 13.3 |
| 03/13/15 | #1 - Canal # 470 | 12:00 PM | Inside Canal / During Dewatering, discharge on Canal 470. | 8.1 |
| 03/13/15 | #2 -Canal # 472 | 12:05 PM | Inside Canal / During Dewatering, discharge on Canal 470. | 15.1 |
| 03/16/15 | #1 - Canal # 470 | 10:00 AM | Inside Canal / During Dewatering, discharge on Canal 470. | 3.5 |
| 03/16/15 | #2 -Canal # 472 | 10:05 AM | Inside Canal / During Dewatering, discharge on Canal 470. | 13.7 |
| 03/16/15 | #1 - Canal # 470 | 11:00 AM | Inside Canal / During Dewatering, discharge on Canal 470. | 7.1 |
| 03/16/15 | #2 -Canal # 472 | 11:05 AM | Inside Canal / During Dewatering, discharge on Canal 470. | 20.8 |
| 03/16/15 | #1 - Canal # 470 | 12:00 PM | Inside Canal / During Dewatering, discharge on Canal 470. | 9.2 |
| 03/16/15 | #2 -Canal # 472 | 12:05 PM | Inside Canal / During Dewatering, discharge on Canal 470. | 13.7 |

- General Field notes were prepared each day of installation and photo documentation of the equipment is provided below. The table and photos below detail the data gathered during the inspection:

Table 2 – Field Notes

| Date | Notes | Contractor Personnel | Weather |
|----------|---|----------------------------------|--|
| 03/09/15 | Safety Tailgate and Project Status Meeting to discuss the project specifics. The turbidity curtain and silt fence was installed along Boca Chica ROW and Canal 470 and 472. No endangered species were seen and | Charley Toppino and Sons, AmecFW | Mid 80 degrees Fahrenheit with clear skies. The wind was steady blowing west throughout the day. |

| | | | |
|----------|--|----------------------------------|--|
| | turbidity readings were taken as documented above | | |
| 03/10/15 | Continued on the installation of the turbidity curtain on Canal 470 and 472. No endangered species were seen and turbidity readings were taken as documented above | Charley Toppino and Sons, AmecFW | Mid 80 degrees Fahrenheit with clear skies. The wind was steady blowing west throughout the day. |
| 03/12/15 | Open cut excavation started on north side of Boca Chica Road near Canal 470. A dewatering container was brought on site to control turbidity before discharging into the turbidity curtain area. | Charley Toppino and Sons, AmecFW | Mid 80 degrees Fahrenheit with clear skies. The wind was steady blowing west throughout the day. |
| 03/13/15 | Open cut excavation and dewatering continued on north side of Boca Chica Road near Canal 470. | Charley Toppino and Sons, AmecFW | Mid 80 degrees Fahrenheit with clear skies. The wind was steady blowing west throughout the day. |
| 03/16/15 | Open cut excavation and dewatering continued on north side of Boca Chica Road near Canal 470. The first segment of 8' long section of reinforced concrete elliptical pipe was set in the trench at design elevation. The contractor stopped dewatering and began placing the pipe in the wet condition as described in the technical specifications. | Charley Toppino and Sons, AmecFW | Mid 80 degrees Fahrenheit with clear skies. The wind was steady blowing west throughout the day. |
| 03/18/15 | Open cut excavation continued by removing a portion of Boca Chica Road. A temporary access road was created to minimize disturbance to traffic. Additional segments of 8' long section of reinforced concrete elliptical pipe were set in the trench at design elevation. | Charley Toppino and Sons, AmecFW | Mid 80 degrees Fahrenheit with clear skies. The wind was steady blowing west throughout the day. |
| 03/20/15 | Open cut excavation continued by removing a portion of Boca Chica Road. A temporary access road was created to minimize disturbance to traffic. Additional segments of 8' long section of reinforced concrete elliptical pipe were set in the trench at design elevation. | Charley Toppino and Sons, AmecFW | Mid 80 degrees Fahrenheit with clear skies. The wind was steady blowing west throughout the day. |
| 03/23/15 | The headwalls on Canal 470 and 472 were removed and form work along with final stick of reinforced concrete elliptical culvert was set as described in the design plans. Boca Chica was opened back to normal traffic patterns and the temporary access road was removed. | Charley Toppino and Sons, AmecFW | Mid 80 degrees Fahrenheit with clear skies. The wind was steady blowing west throughout the day. |

| | | | |
|----------|---|----------------------------------|--|
| 03/24/15 | The concrete headwall for Canal 470 was poured and formed to match existing conditions. | Charley Toppino and Sons, AmecFW | Mid 80 degrees Fahrenheit with clear skies. The wind was steady blowing west throughout the day. |
| 03/27/15 | The concrete headwall for Canal 472 was poured and formed to match existing conditions. The manatee grate for Canal 470 was installed as described in design plans. | Charley Toppino and Sons, AmecFW | Mid 80 degrees Fahrenheit with clear skies. The wind was steady blowing west throughout the day. |
| 03/31/15 | The manatee grate and erosion dissipater for Canal 472 were installed as described in design plans. | Charley Toppino and Sons, AmecFW | Mid 80 degrees Fahrenheit with clear skies. The wind was steady blowing west throughout the day. |
| 04/07/15 | Re-graded Boca Chica ROW and replaced 57 stone and coral rock wall within property adjacent to Canal 472. | Charley Toppino and Sons, AmecFW | Mid 80 degrees Fahrenheit with clear skies. The wind was steady blowing west throughout the day. |
| 04/13/15 | Laid sod along the Boca Chica ROW. | Charley Toppino and Sons, AmecFW | Mid 80 degrees Fahrenheit with clear skies. The wind was steady blowing west throughout the day. |
| 04/15/15 | Finalized the erosion dissipater on Canal 472. | Charley Toppino and Sons, AmecFW | Mid 80 degrees Fahrenheit with clear skies. The wind was steady blowing west throughout the day. |
| 04/21/15 | Final walk through of the project to determine all aspects of the project met the design specifications. | AmecFW | Mid 80 degrees Fahrenheit with clear skies. The wind was steady blowing west throughout the day. |

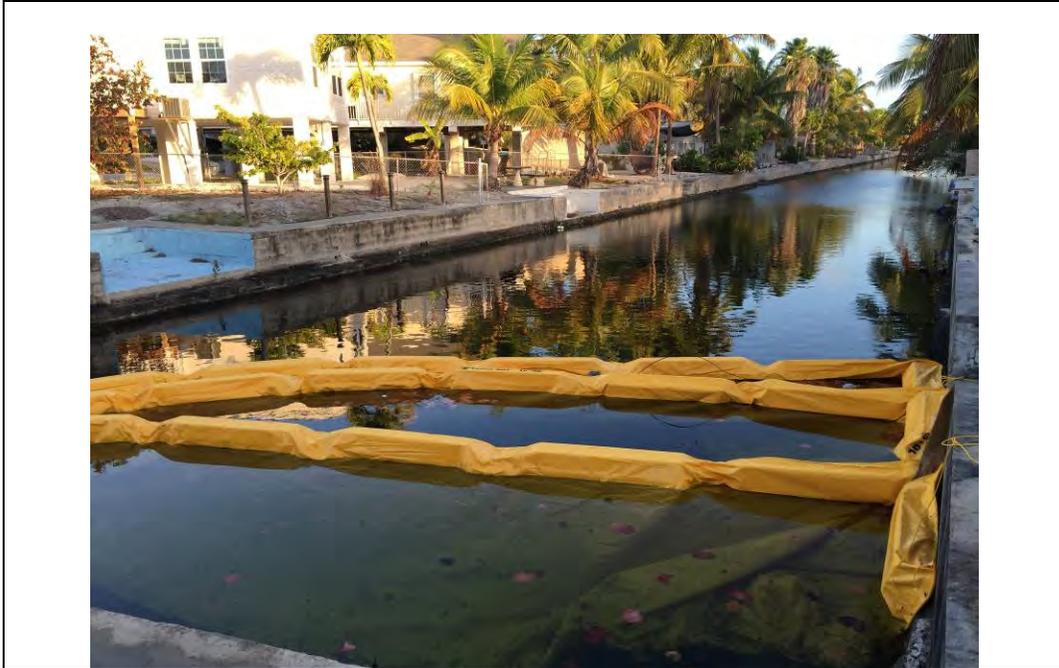


Photo No. 1. Installation of the floating turbidity barrier on Canal #470



Photo No. 2. Installation of the floating turbidity barrier on Canal #472



Photo No. 3. Existing headwall and Boca Chica ROW pre-construction conditions on Canal #470



Photo No. 4. Existing headwall and Boca Chica ROW pre-construction conditions on Canal #472



Photo No. 5. Open cut excavation and dewatering to set reinforced concrete elliptical culvert



Photo No. 6. Removing of concrete headwall along Canal #470



Photo No. 7. Removing of concrete headwall along Canal #472



Photo No. 8. Forming and pouring of concrete headwall along Canal #470



Photo No. 9. Forming and pouring of concrete headwall along Canal #472



Photo No. 10. Post construction of concrete headwall along Canal #470



Photo No. 11. Post construction of concrete headwall along Canal #472

Conclusion

After completion of the installation, AMEC prepared a punch list, reviewed the as-built survey, and final acceptance of the homeowners. The documents ensure the project met all requirements set forth by the plans, technical specifications, and permits. The punch list, as-built survey, and homeowner approvals are provided as attachments to this report.

Project: Canal #472 and #470 Culvert
 Location: Geiger Key, Key West, Florida
 Contractor: Charley Toppino & Sons, Inc.
 Date: 24-Apr-15

| ITEM NO. | DESCRIPTION | REQUIRED QUANTITY | OBSERVED QUANTITY | COMMENTS |
|----------|---|-------------------|-------------------|---|
| 1 | Install 112 LF of 24" x 38" Class IV Reinforced Concrete Elliptical Pipe | 112 | 112 | Open cut excavation to set the pipe and utilized site control points along Mars and Venus Lane to confirm invert elevation. |
| 2 | Remove and replaced a section of reinforced concrete headwall on Canal 470 and 472. | 2 | 2 | The existing headwalls were cut and removed using saw and excavator. The steel form work was placed around the pipe as detailed in the plans. The concrete was then poured in lifts to match existing elevation of headwall |
| 3 | Restore Monroe County ROW along Boca Chica to match existing conditions | 2 | 2 | The ROW on the north and south side of Boca Chica Road have been regraded and sodded to match existing conditions. |
| 4 | Restore parcel ID #2767 26 00147016003500 on the south side of Boca Chica Road to match existing conditions | 1 | 1 | The picnic tables, headwall paint, rock wall, and miscallanous outdoor furniture have been replaced to existing conditions. The disturbed 57 stone area has been replaced to mtach existing conditions. |
| 5 | Restore parcel ID #2767 26 00147010000000 on the north side of Boca Chica Road to match existing conditions | 1 | 1 | The sod has been replaced to existing conditions. |
| 6 | Remove and replace a section of asphalt along Boca Chica Road. The replacement includes thermoplastic lines to match existing conditions. | 1 | 1 | The asphalt and thermoplastic lines have been replaced to match existing conditions. |
| 7 | Install manatee grates on the ends of the reinforced elliptical concrete pipes. | 2 | 2 | Manatee grates were installed on either end of the culvert. The culvert on Canal 472 was equipped with a steel sheet to dissipate the flow to the center of the canal. |

Project Closeout Date: 24-Apr-15

AMEC Sign-off On Completion: 

Print Name: Greg Corning

ASBUILT SURVEY OF COMPLETED IMPROVEMENTS

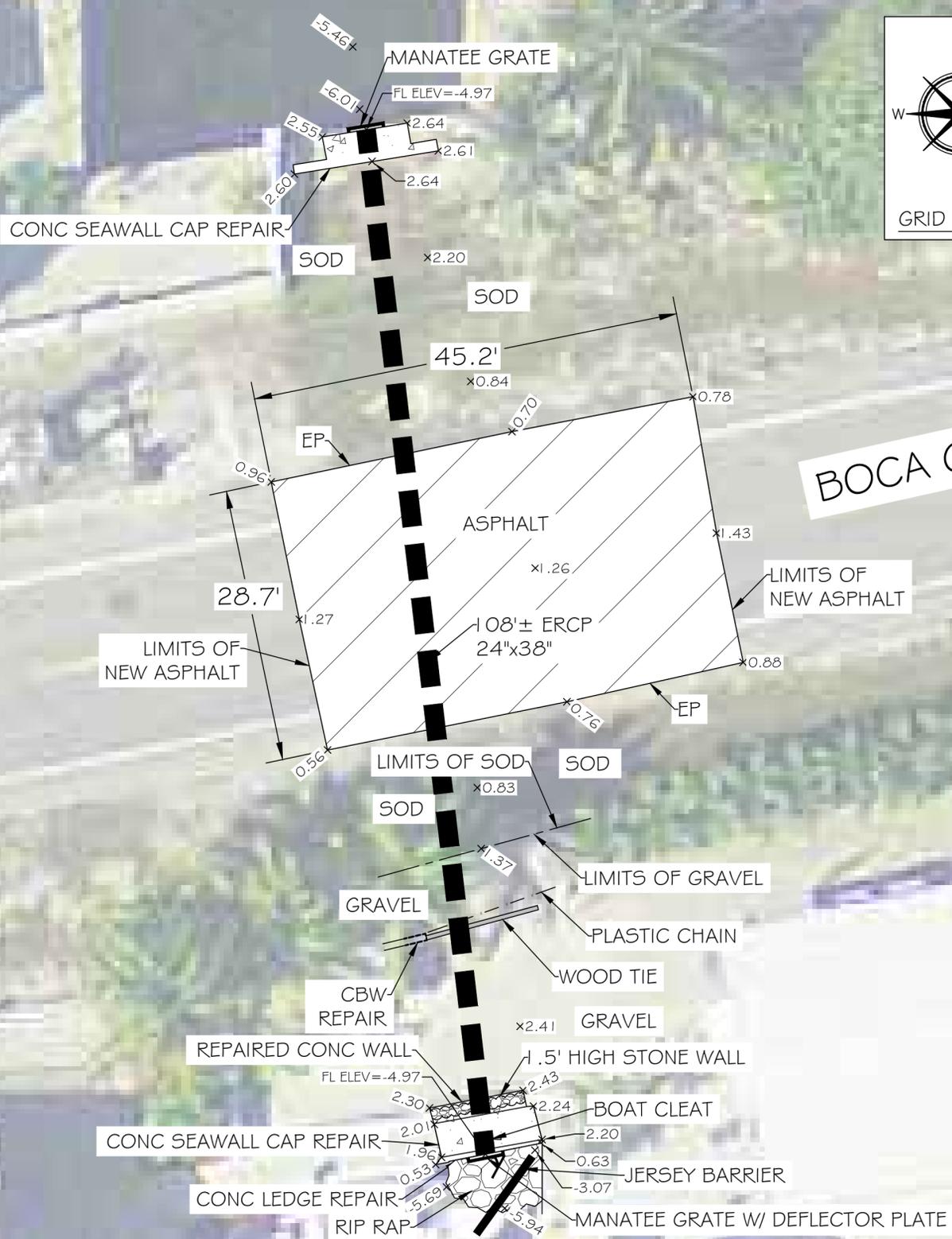
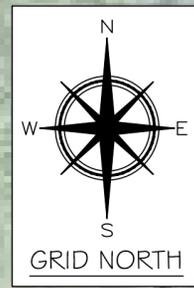
CULVERT CONNECTION BETWEEN

CANAL #470 AND #472

GEIGER KEY, MONROE COUNTY, FLORIDA



LOCATION MAP - NTS
SEC. 27-T675-R26E



NORTH ARROW IS REFERENCED TO GRID NORTH BASED ON NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT (NAD83/2011), FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE (0901)

VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). ALL ELEVATIONS SHOWN ARE BASED ON THE VERTICAL POSITION OF A FOUND NAIL & DISK "AMEC WITNESS" AT MARIS LANE AND BOCA CHICA ROAD, ELEVATION= 0.86' NAVD88

UNITS: U.S. SURVEY FEET

ALL FIELD DATA WAS COLLECTED BETWEEN 04/22/2015-04/23/2015

BACKGROUND IMAGE IS A GEOREFERENCED 2012 AERIAL IMAGE OBTAINED THROUGH THE LABINS WEBSITE- WWW.LABINS.ORG

THIS IS NOT A BOUNDARY SURVEY. ANY BOUNDARY OR RIGHT OF WAY LINES SHOWN HEREON ARE FOR INFORMATIONAL PURPOSES ONLY, AND ARE A GRAPHICAL REPRESENTATION OF THE BOUNDARY BASED ON THE RECOVERY OF SUFFICIENT BOUNDARY MONUMENTATION TO SPATIALLY DEFINE THE LINES. NO ATTEMPT WAS MADE TO RESOLVE CONFLICTS BETWEEN THE RECOVERED BOUNDARY INFORMATION AND OCCUPATIONAL LINES.

ADDITIONS OR DELETIONS TO SURVEY MAP OR REPORT BY OTHER THAN THE SIGNING PARTY IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY.

NOTE: FOUNDATIONS BENEATH THE SURFACE ARE NOT SHOWN. MEASURED DIMENSIONS EQUAL PLATTED OR DESCRIBED DIMENSIONS UNLESS INDICATED OTHERWISE. THE FOLLOWING IS A LIST OF ABBREVIATIONS THAT MAY BE FOUND ON THIS SHEET.

| | | |
|----------------------------------|--|--------------------------------------|
| BFP = BACK-FLOW PREVENTER | GUY = GUY WIRE | PCC = POINT OF COMMENCEMENT |
| BO = BLOW OUT | IB = IRON BBS | PRC = POINT OF REVERSE CURVE |
| C4G = 4" CONCRETE CURB & GUTTER | IR = IRON ROD | PRM = PERMANENT REFERENCE MONUMENT |
| CB = CONCRETE BLOCK | LS = LANDSCAPING | PT = POINT OF TANGENT |
| CBW = CONCRETE BLOCK WALL | MB = MAILBOX | R = RADIUS |
| CL = CENTERLINE | MEAS = MEASURED | RHW = RIGHT OF WAY LINE |
| CLF = CHAINLINK FENCE | MF = METAL FENCE | S5CO = SANITARY SEWER CLEAN-OUT |
| CM = CONCRETE MONUMENT | MHWL = MEAN HIGH WATER LINE | SW = SIDE WALK |
| CONC = CONCRETE | NSVD = NATIONAL GEODETIC VERTICAL DATUM (1929) | TBM = TEMPORARY BENCHMARK |
| CP = CONCRETE POWER POLE | OH = NOT TO SCALE | TOS = TOP OF SLOPE |
| CYRD = COVERED DRAINAGE EASEMENT | OTW = OVERHEAD WIRES | TS = TRAFFIC SIGN |
| DELTA = CENTRAL ANGLE | PC = POINT OF CURVE | TYP = TYPICAL |
| DEASE = DRAINAGE EASEMENT | PCP = POINT OF COMPOUND CURVE | UR = UNREADABLE |
| EL = ELEVATION | PCP = PERMANENT CONTROL POINT | UE = UTILITY EASEMENT |
| ENCL = ENCLOSURE | PK = PARKER KALON NAIL | WD = WOOD DECK |
| EP = EDGE OF PAVEMENT | POB = POINT OF BEGINNING | WF = WOOD FENCE |
| EP = FINISHED FLOOR ELEVATION | POI = POINT OF INTERSECTION | WL = WOOD LANDING |
| FF = FINISHED FLOOR ELEVATION | POI = POINT OF INTERSECTION | WM = WATER METER |
| FL = FIRE HYDRANT | POI = POINT OF INTERSECTION | WPP = WOOD POWER POLE |
| FL = FOUND | POI = POINT OF INTERSECTION | WRACK LINE = LINE OF DEBRIS ON SHORE |
| FD = FENCE, OUTSIDE | POI = POINT OF INTERSECTION | WV = WATER VALVE |
| FOG = FENCE ON LINE | | |

SCALE: 1" = 10'

FIELD WORK DATE: 04/23/2015

REVISION DATE: XXXX/XXXX

SHEET 1 OF 1

DRAWN BY: EAI

CHECKED BY: -----

INVOICE NO: -----

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES AND COMPLIES WITH CHAPTER 177, FLORIDA STATUTES.

NOT VALID WITHOUT THE SIGNATURE AND THE RAISED SEAL OF A FLORIDA SURVEYOR AND MAPPER.

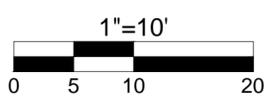
SIGNED: 
ERIC A. ISAACS, F.S.M. #6783, PROFESSIONAL SURVEYOR AND MAPPER, LB# 7847



FLORIDA KEYS LAND SURVEYING
19960 OVERSEAS HIGHWAY
SUGARLOAF KEY, FL 33042
PHONE: (305) 394-3690
EMAIL: FKL5email@gmail.com

LEGAL DESCRIPTION -

N/A



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.: 44-00560-P | Application No(s). 140407-10 | Permittee: James Haddad, Monroe County, and Philip Ross |
| Project Name: Geiger Key Canal #472 & #470 | | 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: <u>Stephen Hanks</u> Print Name Amec Foster Wheeler Company Name 5845 NW 158th St, Miami Lakes, FL Company Address | <u>72253</u> Fla. Lic. or Reg. No. <u>04/23/2015</u> 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-2014-01041(NW-IF)

Permittee's Name & Address (please print or type):

Judith Clarke, Director of Engineering Services

1100 Simonton Street, Key West, FL 33040

Telephone Number: 305-295-4329

Location of the Work:

Geiger Key, FL

Date Work Started: 03/09/2015 Date Work Completed: 04/24/2015

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

Installation of reinforced concrete culvert under Boca Chica Road to hydraulically connect Canal 470 and 472.

Acreage/Square Feet of Impacts to Waters of the United States: 350 sq ft

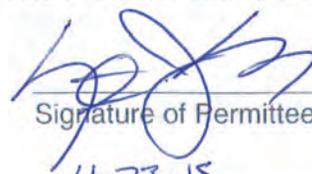
Describe Mitigation completed (if applicable):

N/A

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

See attached as-builts.

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 of Permittee
4-23-15
STEPHEN HANKS
ENGINEER OF RECORD
Date

Blondin, Wendy

From: Paris, Jeremy M
Sent: Friday, May 08, 2015 10:33 AM
To: Joanne Delaney - NOAA Affiliate
Cc: Blondin, Wendy
Subject: FKNMS Permit FKNMS-2014-061, The restoration of water quality in Monroe County Canal 472 Geiger Key
Attachments: FKNMS Photo Log.pdf

Joanne,

This email is to inform the Florida Keys National Marine Sanctuary (FKNMS) that the construction activities associated with permit No. FKNMS-2014-061 have been completed. I have attached a photo log that illustrates the pre, during, and post site conditions for the project area at Canals 472 and 470 on Geiger Key, FL. Water clarity improved almost immediately following the culvert's installation. Please confirm that no additional submittals are required for the closure of the above referenced permit.

Thank you,

Jeremy

Jeremy Paris, PWS
Biologist
AMEC FOSTER WHEELER
5845 NW 158th Street
Miami Lakes, FL 33014
Office: 305-826-5588 Dir: 305-818-8457



Monroe County eGovPLUS



I Want To ... [Forms](#) [Help](#) [Contact Us](#) [Home](#) [Log In](#)

PERMIT INFORMATION

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

| | | | |
|------------------|------------------------------------|-------------|---------------|
| Permit Number | 15100480 | RE | 0014497000000 |
| Permit Type | 65 CAN | Balance Due | \$0.00 |
| Property Address | GEIGER MOBILE HOMES PB5-77 LT-5 | Status | Closed |

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

INSPECTIONS

| TYPE | NUM | INSPECTOR | SCHED DATE | INSP DATE | INSP TIME | RES | CONFIRM | NOTES |
|--------------------------|-----|-----------|------------|------------|-----------|-----|----------|-------|
| FINAL BUILDING | 1 | MWB | 05-04-2015 | 05-04-2015 | | P | 20169525 | 0 |
| EROSION/SEDIMENT CONTROL | 1 | VASERISJ | 04-28-2015 | 04-28-2015 | | P | 20168998 | 1 |
| FINAL BIOLOGICAL | 1 | VASERISJ | 04-28-2015 | 04-28-2015 | | P | 20168997 | 1 |

Your privacy is important to us, for more information see our [privacy policy](#).

Copyright © 2007 - THE PLUS SERIES ® - All Rights Reserved

March 27, 2015

Philip and Teresa Ross
263 Mars Lane
Key West, Florida 33040-6311



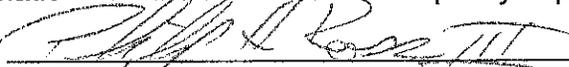
Subject: Satisfaction with Restoration Work on Your Property
Related to a Culvert Installation for Water Quality Improvement
184 Venus Lane Geiger Key. Parcel Identification Number 00147016-003500

Dear Philip and Teresa,

The County water quality improvement project of installation of a culvert between Venus and Mars Lane under Boca Chica Road is nearing completion. The Grant of Easement and Right of Entry you signed to allow the culvert emplacement on your property specified that your property would be returned to its original or better condition which includes re-grading, re-sodding or resurfacing of disturbed areas, and replacement of the concrete seawall.

Photographs of the final restoration are attached. Please inspect the photographs and/or the actual property and acknowledge that the restoration meets your approval. If it does, please sign below. If it does not, please provide AMEC Foster Wheeler with details of what does not meet your approval so we may correct the issue.

I, Philip Ross, am satisfied with the restoration work completed on my 184 Venus Lane property in association with installation of water quality improvement culvert installation.

Signed: 

Dated: 4/13/15

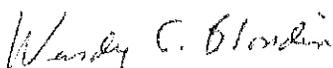
I, Teresa Ross, am satisfied with the restoration work completed on my 184 Venus Lane property in association with installation of water quality improvement culvert installation.

Signed: 

Dated: 4/22/2015

Please return via email to wendy.blondin@amecfw.com as soon as possible and also mail the original to the address below. If you have any questions concerning this project please contact either Wendy Blondin at (305) 298-9431 or Greg Corning at (314) 920-8359. Thank you.

Sincerely,
AMEC FOSTER WHEELER E&I, INC.


Wendy Blondin

Amec Foster Wheeler E&I, Inc.
5845 N.W. 158th Street
Miami Lakes, Florida 33014
Tel (305) 826-5588
Fax (305) 826-1799

www.amecfw.com



Photo No. 1. Pre-Construction Conditions on Canal #472

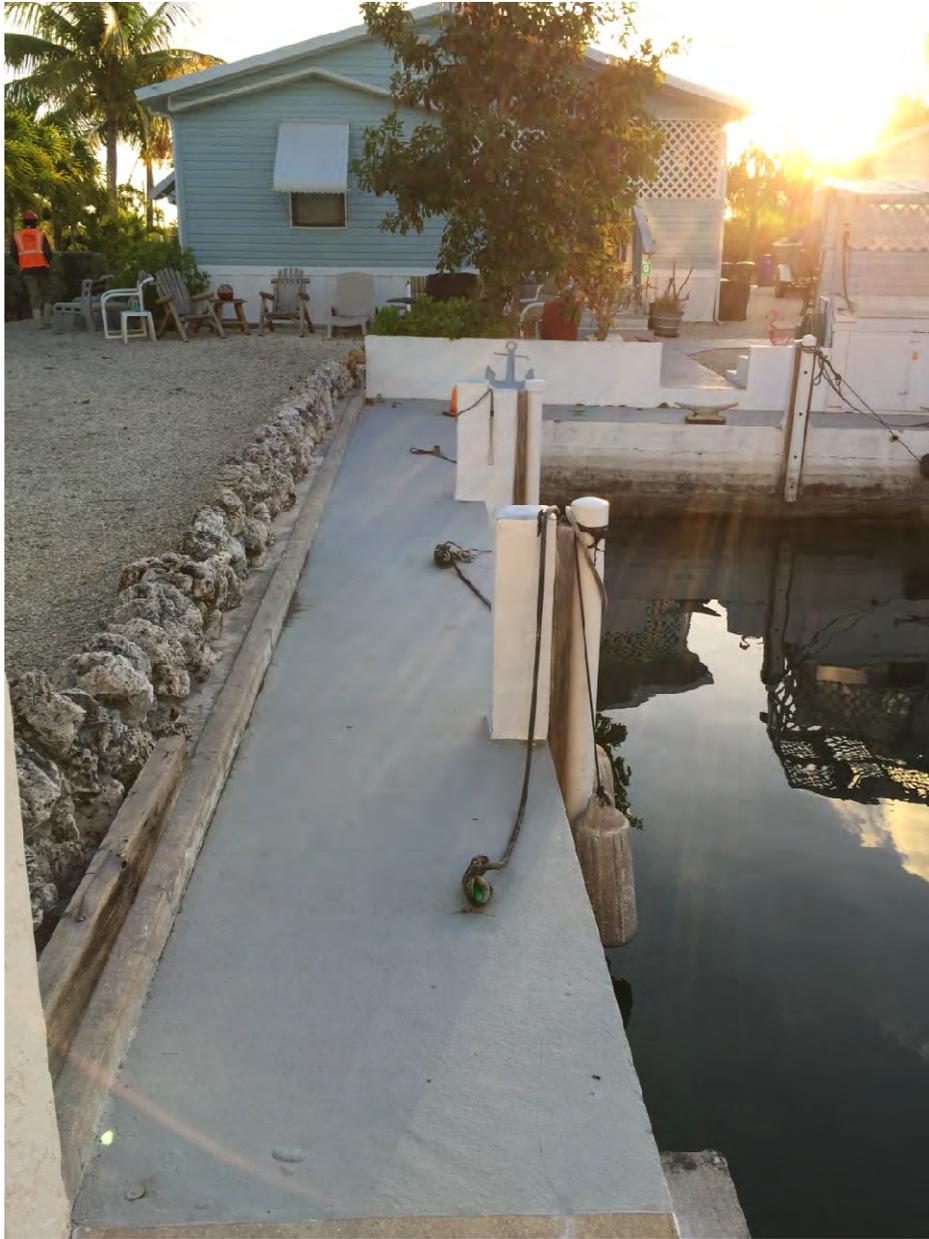


Photo No. 2. Pre-Construction Conditions on Canal #472



Photo No. 3. Post Construction Conditions on Canal #472



Photo No. 4. Post Construction Conditions on Canal #472



amec
foster
wheeler

March 27, 2015

Mr. James Haddad
P.O. Box 248
Green Harbor, MA 02041

Subject: Satisfaction with Restoration Work on Your Property
Related to a Culvert Installation for Water Quality Improvement
207 Venus Lane Geiger Key. Parcel Identification Number 00145710-000000

Dear Mr. Haddad,

The County water quality improvement project of installation of a culvert between Venus and Mars Lane under Boca Chica Road is nearing completion. The Grant of Easement and Right of Entry you signed to allow the culvert emplacement on your property specified that your property would be returned to its original or better condition which includes re-grading, re-sodding or resurfacing of disturbed areas, and replacement of the concrete seawall.

Photographs of the final restoration are attached. Please inspect the photographs and/or the actual property and acknowledge that the restoration meets your approval. If it does, please sign below. If it does not, please provide AMEC Foster Wheeler with details of what does not meet your approval so we may correct the issue.

I, James Haddad, am satisfied with the restoration work completed on my 207 Venus Lane property in association with installation of water quality improvement culvert installation.

Signed: James Haddad

Dated: 4-25-15

Please return via email to wendy.blondin@amecfw.com as soon as possible and also mail the original to the address below. If you have any questions concerning this project please contact either Wendy Blondin at (305) 298-9431 or Greg Corning at (314) 920-8359. Thank you.

Sincerely,
AMEC FOSTER WHEELER E&I, INC.

Wendy C. Blondin
Wendy Blondin

Amec Foster Wheeler E&I, Inc.
5845 N.W. 158th Street
Miami Lakes, Florida 33014
Tel (305) 826-5588
Fax (305) 826-1799

www.amecfw.com



Photo No. 1. Pre-Construction Conditions on Canal #470



Photo No. 2. Pre-Construction Conditions on Canal #470



Photo No. 3. Post Construction Conditions on Canal #470



Photo No. 4. Post Construction Conditions on Canal #470