

**RESOLUTION NO. 2017-134**

**A RESOLUTION OF THE MAYOR AND VILLAGE COUNCIL OF THE VILLAGE OF PALMETTO BAY, FLORIDA, RELATED TO DRAINAGE; AUTHORIZING THE VILLAGE MANAGER TO NEGOTIATE AND ENTER INTO A CONTRACT WITH CIVIL WORKS, INC., AS A PRE-QUALIFIED CONTINUING SERVICES FIRM FOR ENGINEERING SERVICES FOR THE PLANNING, DESIGN AND PERMITTING OF DRAINAGE IMPROVEMENTS IN THE GENERAL AREA(S) OF AREA 1 (EAST OF SW 86 AVE, FROM SW 168 TERR TO 169 TERR INCLUDING 84 CT.), AREA 2 (EAST FROM SW 87 AVE FROM SW 171 ST TO 172 ST ON SW 86 AVE), AREA 3 (SW 156 ST FROM SW 92 AVE TO 90 AVE), AREA 4 (SW 79 CT FROM SW 170 AVE TO 172 TERR, INCLUDING 171 ST TO SW 78 PL), AREA 5 (SW 98 CT FROM 183 ST TO SW WAYNE AVE), AREA 6 (SW 69 CT FROM SW 144 TO 145 TERR), AND AREA 8 (SW 91 AVE FROM SW 178 TERR TO 181 ST) FOR AN AMOUNT NOT TO EXCEED \$69,220.00; PROVIDING AN EFFECTIVE DATE. (Sponsored by Administration)**

**WHEREAS**, Currently, seven (7) localized areas throughout the Village have been reported to have drainage issues that impact roadways and private properties during major rainfall events, more specifically, the drainage systems at Area 1 (E. of SW 86 Ave, from SW 168 Terr to 169 Terr including 84 Ct.), Area 2 (East from SW 87 Ave from SW 171 St to 172 St on SW 86 Ave), Area 3 (SW 156 St from SW 92 Ave to 90 Ave), Area 4 (SW 79 Ct from SW 170 Ave to 172 Terr, including 171 St to SW 78 PL), Area 5 (SW 98 Ct from 183 St to SW Wayne Ave), Area 6 (SW 69 Ct from SW 144 to 145 Terr), and Area 8 (SW 91 Ave from SW 178 Terr to 181 St) consist of closed systems with small isolated drainage facilities, no existing drainage and/or several small exfiltration systems at low points in the roadway; and

**WHEREAS**, On April 28, 2014, the Village of Palmetto Bay (the "Village") adopted Resolution No. 2014-34 approving the execution of non-exclusive professional services agreements (the "Agreements") to

1 allow firms to provide various engineering and architectural services for  
2 the Village; and

3  
4 **WHEREAS**, The selection of Civil Works would provide continuity  
5 and the Village would benefit from their existing professional  
6 understanding of the roadway flooding issues in the community of  
7 Palmetto Bay since the President of the company lives in close proximity  
8 to several of the proposed drainage improvement areas and has  
9 completed the design of several localized projects in the Village as a pre-  
10 qualified consultant for the Village on a continuing basis; and

11  
12 **WHEREAS**, Civils Works, Inc. evaluated seven (7) drainage  
13 improvements in Phase VII of localized areas with no history of flooding  
14 and according to data collection and field evaluations Civil Works  
15 recommends implementing drainage improvements to reduce localized  
16 flooding during severe storm events; and

17  
18 **WHEREAS**, The drainage improvements recommended consist of  
19 new drainage exfiltration trenches sized to handle stormwater runoff  
20 from a five year storm and canal outfall upgrade where needed; and

21  
22 **WHEREAS**, Existing catch basins should be modified or  
23 reconstructed as required to provide sediment traps (sumps) and  
24 pollution retardant baffles to protect the exfiltration trench, constructing  
25 additional catch basins, manholes, culverts, exfiltration trench is  
26 recommended to interconnect the catch basins and swale regrading ;  
27 and

28  
29 **WHEREAS**, Civil Works, Inc. shall provide planning, design  
30 development plans, drainage design, permitting, final construction plans,  
31 for the Village to successfully construct drainage improvements and  
32 repaving where needed in Area 1 (E. of SW 86 Ave, from SW 168 Terr to  
33 169 Terr including 84 Ct.), Area 2 (East from SW 87 Ave from SW 171 St  
34 to 172 St on SW 86 Ave), Area 3 (SW 156 St from SW 92 Ave to 90  
35 Ave), Area 4 (SW 79 Ct from SW170 Ave to 172 Terr, including 171 St to  
36 SW 78 PL), and , Area 6 (SW 69 Ct from SW 144 to 145 Terr) localized  
37 areas; and

38  
39 **WHEREAS**, Funding in an amount up to \$69,220.00 is available in  
40 fiscal year 2017-2018 and is budgeted to design five (5) of the seven (7)

1 areas where flooding complaints have been received from properties that  
2 have been impacted during flooding events; and

3  
4 **WHEREAS**, The Village desires to negotiate an agreement with  
5 Civil Works Inc. in an effort to establish a reasonable fee for providing  
6 drainage design services to the Village in an amount not to exceed  
7 \$69,220.00 to include planning, survey and design services in FY 2017-  
8 2018; and

9  
10 **WHEREAS**, Localized projects not funded in FY 2017-2018 will be  
11 programmed in FY2018-2019 list of stormwater capital improvement  
12 projects; and

13  
14 **WHEREAS**, the Village finds that this Resolution will promote the  
15 health, safety and welfare of the Village.

16  
17  
18 **NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND**  
19 **VILLAGE COUNCIL OF THE VILLAGE OF PALMETTO BAY,**  
20 **FLORIDA, AS FOLLOWS:**

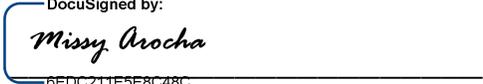
21  
22 **Section 1.** The Village Manager is hereby authorized to negotiate  
23 and enter into an agreement with Civil Works, Inc., for the planning,  
24 design and permitting of drainage improvements to include roadway  
25 resurfacing where needed in Area 1 (E. of SW 86 Ave, from SW 168 Terr  
26 to 169 Terr including 84 Ct.), Area 2 (East from SW 87 Ave from SW 171  
27 St to 172 St on SW 86 Ave), Area 3 (SW 156 St from SW 92 Ave to 90  
28 Ave), Area 4 (SW 79 Ct from SW 170 Ave to 172 Terr, including 171 St  
29 to SW 78 PL), and , Area 6 (SW 69 St from SW 144 to 145 Terr) in  
30 accordance with Department of Environmental Resource Management  
31 (DERM) and Miami-Dade County standards for drainage improvements  
32 in the seven areas for the amount not to exceed \$69,220.00, based on  
33 the terms and conditions set forth in the Continuing Service Agreement  
34 with Civil Works, Inc.

35  
36 **Section 2.** Funding is budgeted in the FY2017-18 Capital  
37 Improvement Program. The disbursements for this item are under  
38 "Special Revenue Funds – Stormwater Utility –Professional Services in  
39 an amount not to exceed \$69,220.00 during Fiscal Year 2017-18. The

1 remaining fund balance in this account once funds are expended is  
2 \$0.00.

3  
4 **Section 3.** This Resolution shall become effective upon adoption.

5  
6  
7 PASSED and ADOPTED this 4<sup>th</sup> day of December, 2017.

8  
9  
10 Attest:    
11 6EDC211E5E8C48C... 3B8854AD569F494...  
12 Missy Arocha Eugene Flinn  
13 Village Clerk Mayor  
14

15  
16 APPROVED AS TO FORM AND LEGAL SUFFICIENCY FOR THE  
17 USE AND RELIANCE OF THE VILLAGE OF PALMETTO BAY ONLY:  
18

19  
20   
21 1B1D06E71321445...  
22 Dexter W. Lehtinen  
23 Village Attorney  
24

25  
26 FINAL VOTE AT ADOPTION:

27  
28 Council Member Karyn Cunningham YES  
29  
30 Council Member David Singer YES  
31  
32 Council Member Larissa Siegel Lara YES  
33  
34 Vice-Mayor John DuBois YES  
35  
36 Mayor Eugene Flinn YES

ATTACHMENT A

Civil Works Inc. Proposal



A WBE/DBE firm

**Civil Works, Inc.**

Miami - Ft. Lauderdale - Orlando

305-591-4323 954-344-6568 407-339-0040

www.civilworks.com cwi@civilworks.com

November 17, 2017

Ms. Corrice Patterson, Public Works Director  
Village of Palmetto Bay  
9705 East Hibiscus Street  
Palmetto Bay, FL 33157

**Re: Professional Engineering Services  
for the Phase 7 Localized Drainage Improvements,  
CWI Project No. 17115.00**

Dear Ms. Patterson:

**Civil Works, Inc. (CWI)** is pleased to submit this proposal to the Village of Palmetto Bay (Village) for Engineering Design Services. Based on the discussion and emailed scope of work, our services will include the preparation of construction documents and calculations for the drainage improvements. There will be seven (7) distinct locations, each designed with a complete set of plans and Drainage Report. The engineering services will also include the permitting for the seven areas with one Miami Dade DERM drainage permit. This letter and our Professional Services Agreement will serve as the agreement for the services described below.

#### **Task 1 - Phase 7 Localized Drainage Improvements Construction Documents**

This Task includes the design and preparation of construction documents for the drainage improvements. These include design of new drainage exfiltration trenches, catch basins, manholes, swale improvements, and asphalt upgrades, where needed. This Task will include utility research of available as-builts, engineering analysis and preliminary cost estimates. This Task is divided into 7 areas, as listed below.

#### **The Seven sets of Documents include:**

- ◆ Cover Sheet including the location, Index of Sheets and General Notes
- ◆ Paving, Grading and Drainage Plan
- ◆ Drainage Details and Notes
- ◆ Drainage Report and Calculations
- ◆ Percolation Test, one for each location
- ◆ Topographic Survey, one for each location
- ◆ Permit Processing Assistance through Miami Dade County.

#### **Task 2.0 - Additional Services/ Project Representation (if needed)**

This task will include additional meetings over the above listed meetings with technical staff, team meetings, agency meetings and any follow-up that your organization may request. Any work performed under this task will be billed at our hourly rates shown below.

#### **SCHEDULE**

**CWI** is ready to begin the project immediately. We will comply with any reasonable design schedule that you require for the completion of this project.

**Village of Palmetto Bay.**  
**Professional Engineering Services for Drainage Improvements,**  
**Nov. 17, 2017, Page 2**

**DELIVERABLES**

CWI will provide the following sets of plans for approvals and permits:  
 2 sets of 75% and 100% Construction Documents.  
 2 sets of Signed and Sealed Drainage Plans and calculations for County Approval.  
 2 sets of revised plans for final approval.

**COMPENSATION**

The fees for providing these Tasks are listed as a Lump Sum. The fees listed below are listed by drainage area, as requested. Any task not specifically listed above will be covered as an additional service.

Task 1 Area	Area Description	Engineering	Survey	Geotechnical	Lump Sum	Budget
1	E. of SW 86 Ave, from SW 168 Terr to 169 Terr inc. 84 Ct.	\$10,300	\$7,000	\$1,000	\$18,300	N/A
2	E. F SW 87 Ave from SW 171 St to 172 St on SW 86 Ave	\$5,400	\$3,000	\$1,000	\$9,400	N/A
3	SW 156 St from SW 92 Ave to 90 Ave	\$8,200	\$5,000	\$1,000	\$14,200	N/A
4	SW 79 Ct from SW 170 Ave to 172 Terr, inc. 171 St to SW 78 PL	\$10,500	\$7,000	\$1,000	\$18,500	N/A
5	SW 98 Ct from 183 St to SW Wayne Ave	\$8,200	\$5,000	\$1,000	\$14,200	N/A
6	SW 69 St from SW 144 St to 145 Terr	\$5,400	\$3,000	\$1,000	\$9,400	N/A
8	SW 91 Ave from SW 178 Terr to 181 St	\$10,200	\$5,000	\$1,000	\$16,200	N/A
	<b>Subtotal</b>				<b>\$100,200</b>	
<b>Task 2</b>	<b>Additional Services/ Project Representation (if needed)</b>				<b>N/A</b>	<b>\$1,000</b>

Note Area 7 (SW 77 Ct) will be designed by others.

This Agreement includes up to \$200.00 in reproductions, printing and telecommunications costs. Costs over this amount will be invoiced separately. Any services not specifically mentioned in the tasks above will be additional services. If any additional services are requested, a new task order will be provided based upon the rates listed below.

**HOURLY RATES**

<b><u>Category</u></b>	<b><u>Hourly Rates</u></b>
Principal/Project Manager	\$195.00
Senior Engineer (PE)	\$175.00
Project Engineer	\$145.00
Designer	\$125.00
Senior Engineering Tech	\$ 85.00
CADD Technician	\$ 75.00
Administrative	\$ 63.00
Clerical	\$ 52.00

All fees and reimbursable expenses for these services must be paid in full before any final products are released. Any items which are not specifically mentioned are not part of this agreement.

**CLIENT'S RESPONSIBILITIES**

You will furnish CWI with an executed Task Order for this project and the following:

- ◆ Review, Permit and Application Fees.
- ◆ Bidding and Construction Phases Services will be provided under a separate work order.

It is understood that any environmental issues identified with the soil and/or water contamination on this site will be resolved by others. Therefore, no environmental testing, engineering services nor processing are included in the CWI services. Receipt of the executed Task Order will constitute our Notice to Proceed. Please call me at (305) 591-4323 if you have any questions. We look forward to working with you on this exciting project.

Accepted by

Sincerely,

**Civil Works, Inc.**



Linda Bell, P.E.  
President

\_\_\_\_\_  
Signature

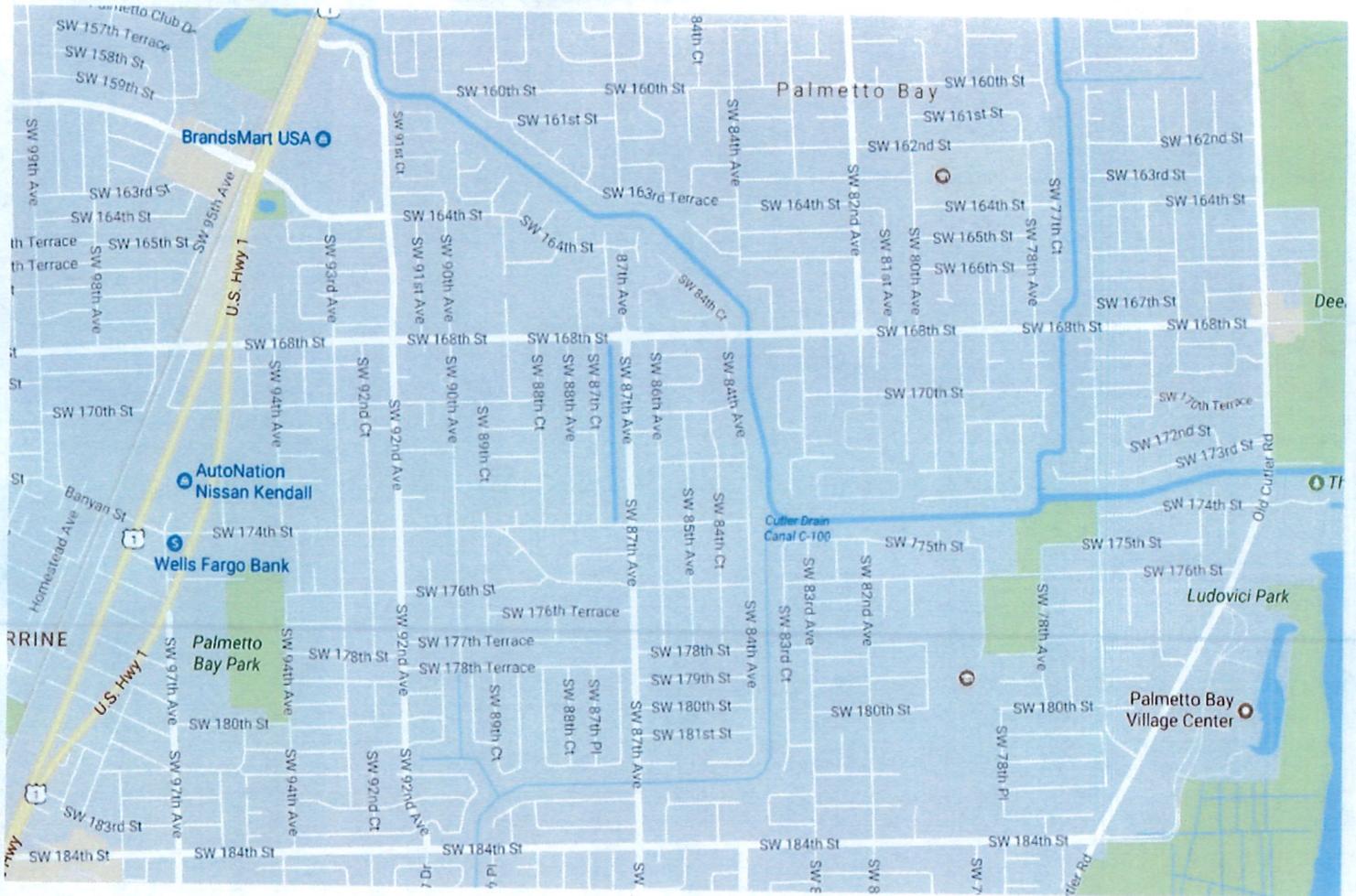
\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Date

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# ATTACHMENT B

## Phase VII Localized Drainage Map



1. E. of SW 86<sup>th</sup> Ave from SW 168<sup>th</sup> Terr to 169<sup>th</sup> Terr including 84<sup>th</sup> Ct
3. SW 156<sup>th</sup> St from SW 92<sup>nd</sup> Ave to SW 90<sup>th</sup> Avenue
5. SW 98<sup>th</sup> Court from 183<sup>rd</sup> St to SW Wayne Ave.
- ~~7. SW 77<sup>th</sup> Ct from SW 157<sup>th</sup> Terr 5. to the end and west to SW 78<sup>th</sup> Ave~~
2. E of SW 87<sup>th</sup> Ave from SW 171<sup>st</sup> St to 172<sup>nd</sup> St on SW 86<sup>th</sup> Ave
4. SW 79<sup>th</sup> Ct from SW 170<sup>th</sup> St to SW 172<sup>nd</sup> Terr including SW 171<sup>st</sup> St to SW 78<sup>th</sup> Pl
6. SW 69<sup>th</sup> Ct from SW 144<sup>th</sup> St to SW 145<sup>th</sup> Terr
8. SW 91<sup>st</sup> Ave from SW 178<sup>th</sup> Terr to SW 181<sup>st</sup> St