

1. Requested Motion:

Meeting Date: August 18, 2014

Approve the Amendment No. 4 to Design Build Agreement RFQ-13-02-PW *Design-Build Services for Phase I Water Distribution System Improvements* between the Town and Mitchell & Stark Construction Company to establish the next project Guaranteed maximum Price (GMP) in the amount of \$1,933,157.64, and authorize the Town Manager to execute the documents, pending final approval of funding package.

Why the action is necessary:

Town Council authorization is required pursuant to the Town's procurement documents to approve all purchases that exceed \$25,000.00.

What the action accomplishes:

Provides authorization to staff to continue with the Phase I Water Distribution System Improvements Project.

2. Agenda:

Consent
 Administrative

3. Requirement/Purpose:

Resolution
 Ordinance
 Other

4. Submitter of Information:

Council
 Town Staff – Public Works
 Town Attorney

5. Background:

Town Council has approved and construction is nearing completion within the first six bayside roads within the Basin Based (Phase I) project area and Phase II of 2014. The attached Amendment No. 4 includes the construction of Laguna Shores and Bay Beach Lane Water Distribution System (Last Phase of 2014). Public outreach and awareness activities throughout the Phase I - Phase III project area were included in Amendment No. 2.

The attached scope of services and fee schedule detail all the costs associated with this portion of the project including water infrastructure on all remaining roads within Laguna Shores and Bay Beach Lane. Attached is two maps, the first being the completed Phases(I and II) in the Basin Based area. The second map is the proposed Last Phase of 2014 in the Laguna Shores and Bay Beach project area.

6. Alternative Action: Take no action

7. Management Recommendations: Approve the Design Build Agreement No. 4 with Mitchell & Stark Construction Company

8. Recommended Approval:

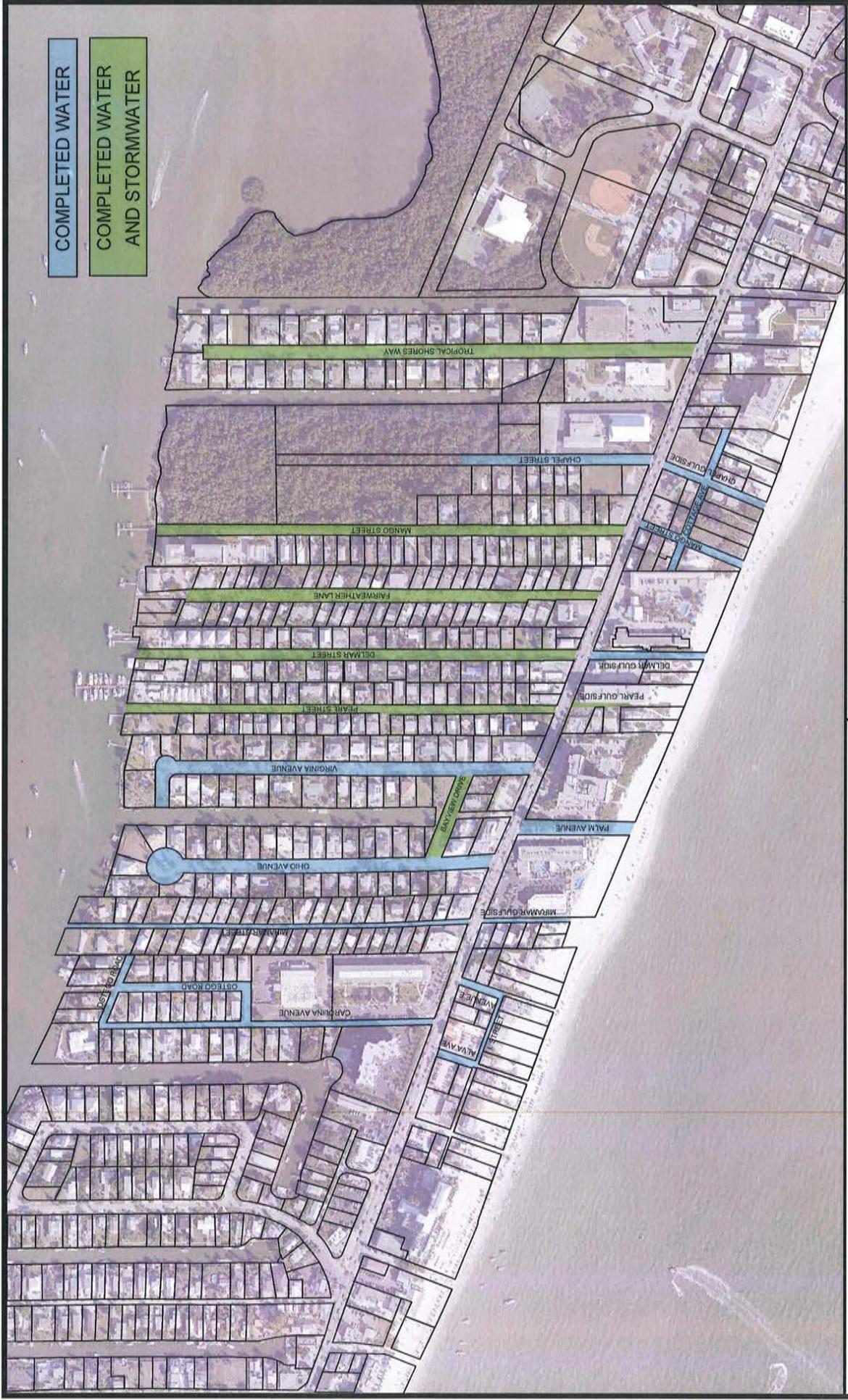
Town Manager	Town Attorney	Finance Director	Public Works Director	Community Development Director	Parks & Recreation Director	Town Clerk
			SAB			

9. Council Action:

Approved Denied Deferred Other

COMPLETED WATER

COMPLETED WATER AND STORMWATER



FORT MYERS BEACH WATERLINE REPLACEMENT

COMPLETED PHASES

DATE	7/10/2014	DRAWN BY	PUBLIC WORKS	SHEET	1 of 2	SCALE	1"=40'
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Town of Fort Myers Beach, Florida

DEPARTMENT OF PUBLIC WORKS

2523 ESTERO BOULEVARD, FORT MYERS BEACH, FLORIDA 33931

(239) 765-0202



LAST PROPOSED
WATERLINE PHASE OF 2014



Town of Fort Myers Beach, Florida
 DEPARTMENT OF PUBLIC WORKS
 2523 ESTERO BOULEVARD, FORT MYERS BEACH, FLORIDA 33931
 (239) 765-0202

FORT MYERS BEACH WATERLINE REPLACEMENT

PROPOSED PHASE

DATE	DRAWN BY	SHEET	SCALE
7/10/2014	PUBLIC WORKS	2 of 2	1"=40'

SCOPE OF SERVICES FOR PART OF PHASE 2 FOR THE RFQ-13-02 PHASE ONE WATER DISTRIBUTION SYSTEM IMPROVEMENTS AMENDMENT FOUR TO CONTRACT

(Water Bay Beach Lane and Laguna Shores)

PROPOSED TEAM

Town of Fort Myers Beach – Owner (hereinafter the “TOWN”)

Mitchell & Stark Const. Co. Inc. (M&S) – Prime Construction (hereinafter “the FIRM”)

Johnson Engineering (JEI) – Engineering, Survey & CEI Sub-Consultant (hereinafter “SUB-CONSULTANT”)

Cella Molnar & Associates (CMA) – Public Awareness Sub-Consultant

PROJECT BACKGROUND:

This project includes the replacement of the existing potable water distribution system with an upgraded system that meets current water service and fire protection standards of residential areas in the TOWN, as well as improvements to the storm water conveyance system for the Basin Based Neighborhood. The project includes three (3) areas: Bay Beach lane, Laguna Shores and the Basin Based Neighborhood. The streets included in each area are outlined in Table 1 below.

Bay Beach Lane and Laguna Shores

Under Amendment One the Bay Beach Lane and Laguna Shores areas included all the necessary professional services required to provide 60% level construction plans. The 60% construction plans used to generate a Guaranteed Maximum Price (GMP) for the construction of the new potable water system for these areas. The GMP for this work is provided in Amendment Four. Professional fees associated with generating the final construction plans, permitting and construction administration for the potable water system for these areas are included in Amendment Four.

Basin Based Neighborhood

This contract/phase includes the 100% final design and permitting for both potable water and storm drain improvements within this area. The project storm water grant includes all roads within the basin area however only six (6) of the roads have been designed and permitted. Under Amendment Two and Three of this contract the final plans and construction for both potable water and drainage improvements for all of Basin Based Neighborhood was contracted.

Table 1 identifies the roads and proposed improvements for the project and all footages are approximate:

Table 1 – Roads & Improvements.

PHASE 1 WATER DISTRIBUTION SYSTEM IMPROVEMENTS		
AREA 1 – BAY BEACH LANE		
<i>Alignment</i>	<i>Drainage Grant Funded (Linear Feet)</i>	<i>Water Main (Linear Feet)</i>
Bay Beach Lane	n/a	3,400
Subtotal:	n/a	3,400

AREA 2 – LAGUNA SHORES		
<i>Alignment</i>	<i>Drainage Grant Funded (Linear Feet)</i>	<i>Water Main (Linear Feet)</i>
Buccaneer Drive	n/a	2,520
Lagoon Road	n/a	2,440
Tarpon Road	n/a	610
Redfish Road	n/a	640
Lagoon Vista Street	n/a	400
Starfish Circle	n/a	180
Seahorse Lane	n/a	165
Sand dollar Lane	n/a	240
Estrallita Drive	n/a	1,220
Little Carlos Lane	n/a	350
Subtotal:	n/a	8,765

Table 1 – Roads & Improvements.

AREA 3 – BASIN BASED NEIGHBORHOOD		
<i>Alignment</i>	<i>Drainage - Grant Funded (LF)</i>	<i>Water Main (LF)</i>
Tropical Shores	193 (permitted)	1,740
Chapel Street	not permitted	580
Mango Street	598 (permitted)	1,660
Fairweather Lane	186 (permitted)	1,500
Delmar Avenue	462 (permitted)	1,500
Pearl Street	383 (permitted)	1,460
Virginia Avenue	not permitted	1,360
Ohio Avenue	not permitted	1,220
Bayview Drive	not permitted	350
Miramar St (Bay side)	permitted	1,200
Ostego Drive	not permitted	700
Carolina Avenue	not permitted	1,200
Avenue E	not permitted	180
Miramar St (Gulf Side)	not permitted	200
Palm Avenue	not permitted	280
Mango St (Gulf side)	not permitted	300
Cottage Avenue	not permitted	500
Chapel St (Gulf side)	not permitted	240
Subtotal:	1,822	16,170
PROJECT TOTAL:	1,822	29,735

The yellow highlighted streets above are included in construction cost for amendment four.

SCOPE OF WORK FOR THIS GMP

This GMP does not include all the work that is proposed for the Design-Build Services for Phase 1 Water Distribution System Improvements. Under this scope of work M&S includes Construction Survey Staking and Record Drawings, Construction Administration, Final Certification, Construction of Area One Bay Beach Lane Water Main and Area Two Laguna Shores Water Main. Additional work could be performed on these streets in the next GMP but no work is anticipated at this time. The Public Awareness was included in previous Amendment Two for this portion of the GMP. The scope of work is as follows:

TASK INDEX:

- 1.0 Final Water Main Design Services (Bay Beach Lane & Laguna Shores)
- 2.0 Survey Services & Construction Staking (Bay Beach Lane & Laguna Shores)
- 3.0 Permitting Assistance (Bay Beach Lane & Laguna Shores)
- 4.0 Construction Administration & Final Certifications (Bay Beach Lane & Laguna Shores)
- 5.0 Reimbursables
- 6.0 Construction of Bay Beach Lane and Laguna Shore Water Main

TASK 1.0 – FINAL WATER MAIN DESIGN (Bay Beach Lane & Laguna Shores)

SUBCONSULTANT shall furnish design services necessary for the preparation of construction plans and specifications for water system improvements in accordance with TOWN specifications that are in effect on the date that the TOWN approved the AGREEMENT. This task will include taking the 60% construction plans up to 100% completion.

- 90% Construction Plans – SUBCONSULTANT will prepare 90% construction plans for the water main within Laguna Shores and Bay Beach Lane. The 90% construction plans will include a cover sheet, general notes sheet, location map sheet, plan and profile views, and standard detail sheet(s). The plans shall depict existing topographical features; existing utilities; existing rights-of-way, property boundaries, and easement lines; and shall contain the following:
 - Plan and profile view of the proposed water main alignment at 1" = 40' horizontal and 1" = 4' vertical.
 - Proposed water main details.
 - Maintenance of traffic (MOT) plans.
 - Stormwater pollution prevention plan (SWP3).
- 100% Construction Plans – SUBCONSULTANT will revise plans to incorporate permit conditions, as appropriate from Agencies. SUBCONSULTANT will submit three (3) sets of hardcopy printouts (11"x17") to TOWN for review purposes. Upon acceptance by the TOWN, C will submit final construction plans in electronic format (AutoCAD DWG and Adobe PDF).
- Verify the improvements on Bay Beach Lane, the SUBCONSULTANT will review the *Evaluation of Existing Water Distribution System of the Town of Fort Myers Beach Report* that was prepared by a third-party consultant hired by the TOWN. This task will also include preparing a hydraulic model to verify recommendations. This model will be calibrated using pressure data provided by Beach Water and by performing a fire flow test on the existing system. Reported results will be documented in a technical memorandum to be provided to the TOWN.

TASK 2.0 – SURVEY SERVICES & CONSTRUCTION STAKING (Bay Beach Lane & Laguna Shores)

SUBCONSULTANT will provide surveying services for construction staking the improvements as shown on the plans for the Town of Fort Myers Beach Phase I, for the Bay Beach Lane and Laguna Shores areas. This will include staking the waterlines, waterline connections, services, valves and fire hydrants. These surveying services will be prepared in accordance with Chapter 472.027, Florida Statutes. We will provide the following services for each street:

- Set a minimum of two Bench Marks
- Stake waterline with off-sets
- Stake water services, connections and fire hydrants
- Stake and grade storm structures with off-sets
- Stake right-of-way lines
- Prepare as-built drawings

TASK 3.0 – PERMITTING ASSISTANCE (Bay Beach Lane & Laguna Shores)

The SUBCONSULTANT will be responsible for preparing and submitting the required applications and supporting information necessary to assist the TOWN with obtaining all reviews, approvals, and permits, with respect to the SUBCONSULTANT's design, drawings, and specifications required by any regulatory agency having authority over this project. All permit fees will be paid for by the TOWN. This includes a Fort Myers Beach/Lee County Limited Review Development Order and a Lee County Health Department Potable Water Permit for the Laguna Shores & Bay Beach Lane area.

TASK 4.0 - CONSTRUCTION ADMINISTRATION & FINAL CERTIFICATIONS (Bay Beach Lane & Laguna Shores)

The SUBCONSULTANT shall be involved with the construction contract administration, which shall include the following:

- Perform periodic observations during construction and at critical times.
- Attend weekly progress meetings with FIRM and TOWN.
- Witness pressure testing and water main tie-ins.
- Certify project completion to the various permitting agencies and submit request to place into service to the FDOH.

TASK 5.0 – REIMBURSABLES

SUBCONSULTANT will provide deliverables that will include, but is not limited to the following: courier and express delivery charges, reproduction of plans and reports, photography, field supplies and costs of other materials and/or equipment specifically used for and solely applicable to this project.

TASK 6.0- CONSTRUCTION

Construction of Area One Bay Beach Lane and Area Two Laguna Shores Water Main.

FEE SUMMARY

FOR RFQ-13-02 PHASE ONE PART OF PHASE 2 AND PHASE 3
WATER DISTRIBUTION SYSTEM IMPROVEMENTS AMENDMENT #4

TASK	DESCRIPTION	AMOUNT
1.0	Final Water Main Design Services	\$33,055.00
2.0	Survey Services & Construction Staking	\$44,671.00
3.0	Permitting Assistance	\$4,840.00
4.0	Construction Administration & Final Certifications	\$38,720.00
5.0	Reimbursables	\$5,500.00
6.0	Construction Laguna Shores	\$1,261,746.84
	Construction Bay Beach Lane	\$544,624.80
	TOTAL FEE	\$1,933,157.64

BID FOR : TOWN OF FORT MYERS BEACH LAGUANA SHORES
ATTENTION:MR. SCOTT BAKER
BID TO:TOWN OF FORT MYERS BEACH
BID FROM : MITCHELL & STARK CONST. CO. INC.
DATE: JUNE 19, 2014
TOWN OF FORT MYERS BEACH (AMENDMENT #4)

DESCRIPTION	UNIT	# UNITS	TOTAL UP	TOTAL
WATERMAIN				
8 INCH DR 18 WM	LF	8860	\$24.94	\$220,968.40
6 INCH DR 18 WM	LF	40	\$22.42	\$896.80
4 INCH DR 18 WM	LF	20	\$21.36	\$427.20
8 INCH GATE VALVE	EA	27	\$1,360.00	\$36,720.00
6 INCH GATE VALVE	EA	1	\$1,260.00	\$1,260.00
4 INCH GATE VALVE	EA	1	\$1,030.00	\$1,030.00
16 INCH DIRECTIONAL DRILL BUCCANEER & LAGOON RD	LF	60	\$207.00	\$12,420.00
16 INCH DIRECTIONAL DRILL BUCCANEER & REDFISH	LF	60	\$207.00	\$12,420.00
16 INCH DIRECTIONAL DRILL BUCCANEER & STARFISH	LF	60	\$207.00	\$12,420.00
16 INCH DIRECTIONAL DRILL ESTRELLITA & LITTLE CARLOS LANE+B54	LF	60	\$207.00	\$12,420.00
ARV	EA	2	\$2,810.00	\$5,620.00
8 INCH DEFLECTION	EA	11	\$1,880.00	\$20,680.00
FIRE HYDRANT	EA	13	\$4,150.00	\$53,950.00
ROAD CROSSING	EA	14	\$3,000.00	\$42,000.00
CONNECT TO EX. WATER MAIN	EA	4	\$4,490.00	\$17,960.00
LAGOON VISTA 2 INCH DOUBLE SERVICE	EA	1	\$6,620.00	\$6,620.00
STARFISH 2 INCH DOUBLE SERVICE	EA	2	\$4,660.00	\$9,320.00
SINGLE WATER SERVICE SHORT	EA	54	\$650.00	\$35,100.00
SINGLE WATER SERVICE LONG	EA	99	\$1,495.00	\$148,005.00
RECONNECT SINGLE WATER SERVICE NO RELOCATION OF EX. SERVICE	EA	153	\$100.00	\$15,300.00
2 INCH METER NO ADJUSTMENT OF METER INCLUDED. LABOR ONLY	EA	3	\$120.60	\$361.80
RECONNECT 2 INCH WATER SERVICE	EA	3	\$150.00	\$450.00
RECONNECT SERVICE TO MARINA TOWERS NO BACKFLOW OR METER	EA	1	\$3,620.00	\$3,620.00
NEW WATER METERS 5/8 - 3/4 LABOR ONLY	EA	153	\$97.88	\$14,975.64
MOT	LS	1	\$5,000.00	\$5,000.00
WATER MAIN TESTING	LS	1	\$18,190.00	\$18,190.00
CONCRETE DRIVEWAY RESTORATION	EA	49	\$1,200.00	\$58,800.00
ASPHALT DRIVEWAY RESTORATION	EA	2	\$1,200.00	\$2,400.00
STONE DRIVEWAY RESTORATION	EA	10	\$300.00	\$3,000.00
PAVER DRIVEWAY RESTORATION	EA	19	\$1,000.00	\$19,000.00
1 INCH S-III ASPHALT OVERLAY	SY	7936	\$7.50	\$59,520.00
3/4 INCH S-III ASPHALT	SY	1200	\$9.50	\$11,400.00
6 INCH LIMEROCK	SY	1200	\$13.00	\$15,600.00
12 INCH STABILIZE SUBGRADE	SY	1200	\$4.00	\$4,800.00
STONE YARD REPAIRS	EA	30	\$750.00	\$22,500.00
STRIPING	LS	1	\$4,500.00	\$4,500.00
ADJUST MH AND VALVE BOX IN OVERLAY AREA LAGUNA SHORES ARE	LS	1	\$3,500.00	\$3,500.00
SOD	SY	19900	\$3.00	\$59,700.00
GENERAL CONDITIONS	LS	1	\$35,000.00	\$35,000.00
RELOCATE / REPAIR WATER SERVICES	EA	15	\$200.00	\$3,000.00
VIDEO BOTH SIDES OF THE ROW	LF	17720	\$0.35	\$6,202.00
CLEARING INCLUDE REMOVAL OF DRIVEWAYS & ROADS	LS	1	\$29,000.00	\$29,000.00
BOND	LS	1	\$9,500.00	\$9,500.00
DENSITY TESTING WATER MAIN	LS	1	\$7,450.00	\$7,450.00
INVESTIGATE .UNKNOWN WATER SERVICE CONNECTIONS	ALLOW	1	\$5,000.00	\$5,000.00
GROUT EX. WM	LF	8920	\$12.00	\$107,040.00
CUT IN FIRE HYDRANT OFF ESTERO BLVD.NEAR 7955 ESTERO BLVD	EA	1	\$5,900.00	\$5,900.00
CUT AND CAP EXISTING WATER MAIN AT 7955 ESTERO BLVD	EA	1	\$1,000.00	\$1,000.00
GROUT EX. WM FROM 7955 ESTERO BLVE	LF	400	\$12.00	\$4,800.00
CONTINGENCY	ALLOW	1	\$75,000.00	\$75,000.00
TOTAL WATER MAIN				\$1,261,746.84

BID FOR: FORT MYERS BEACH BAY BEACH LANE AMENDMENT FOUR
ATTENTION:MR. SCOTT BAKER
BID TO: TOWN OF FORT MYERS BEACH
BID FROM : MITCHELL & STARK CONST. CO., INC.
DATE:JUNE 17, 2014

DESCRIPTION	UNIT	# UNITS	UNIT PRICE	TOTAL
14 INCH HDPE SDR 11	LF	3200.00	\$119.93	\$383,776.00
12 INCH HDPE SDR 11	LF	40.00	\$114.43	\$4,577.20
12 INCH GATE VALVE	EA	6.00	\$2,660.00	\$15,960.00
10 INCH PVC WATER MAIN	LF	300.00	\$45.74	\$13,722.00
8 INCH PVC WATER MAIN	LF	20.00	\$49.98	\$999.60
8 INCH GATE VALVE	EA	1.00	\$1,360.00	\$1,360.00
GOLF CART PATH REPAIR	SF	1000.00	\$5.00	\$5,000.00
LANDSCAPE	LS	1.00	\$5,000.00	\$5,000.00
SOD	SY	4000.00	\$2.50	\$10,000.00
REMOVE AND REPLACE POST WIRE	LS	1.00	\$1,000.00	\$1,000.00
REMOVE LANDSCAPE	LS	1.00	\$2,000.00	\$2,000.00
REPAIR IRRIGATION	LS	1.00	\$2,000.00	\$2,000.00
MOT	LS	1.00	\$3,500.00	\$3,500.00
REPAIR SIDEWALK	SF	500.00	\$10.00	\$5,000.00
REPAIR STREET LIGHTING	LS	1.00	\$2,000.00	\$2,000.00
DUMP TRUCK	DAY	2.00	\$650.00	\$1,300.00
FLAGGING	DAY	4.00	\$600.00	\$2,400.00
DENSITY TEST	LS	1.00	\$1,600.00	\$1,600.00
CONNECT TO EX. 10" WATER MAIN	EA	1.00	\$8,110.00	\$8,110.00
CONNECT TO EX. 8 " WATER MAIN	EA	1.00	\$7,800.00	\$7,800.00
ARV	EA	6.00	\$3,090.00	\$18,540.00
REPAIR GOLF COURSE PARKING AREA	LS	1.00	\$2,000.00	\$2,000.00
VIDEO	LS	1.00	\$3,080.00	\$3,080.00
BOND	LS	1.00	\$4,900.00	\$4,900.00
WATER MAIN TESTING	LS	1.00	\$9,000.00	\$9,000.00
CONTINGENCY	ALLOW	1.00	\$30,000.00	\$30,000.00
TOTAL				\$544,624.80

TEAM FEE SUMMARY BREAKDOWN NON CONSTRUCTION COST										
FOR AMENDMENT NO. 4										
TASK ITEM	M&S AMOUNT	M&S FEE TYPE	JEI AMOUNT	JEI FEE TYPE	CMA AMOUNT	CMA FEE TYPE	CONTRACTOR FEE	TOTAL ESTIMATED FEE		
1	Final Water Main Design Services (Bay Beach Lane & Laguna Shore)	\$0.00	T&M	30,050.00	LS	\$0.00	\$3,005.00	\$33,055.00		
2	Survey Services	\$0.00	T&M	40,610.00	LS	\$0.00	\$4,061.00	\$44,671.00		
3	Permitting Assistance	\$0.00	T&M	4,400.00	LS	\$0.00	\$440.00	\$4,840.00		
4	Construction Administration & Final Certifications	\$0.00	T&M	35,200.00	LS	\$0.00	\$3,520.00	\$38,720.00		
5	Remburseables	\$0.00	T&M/Each	5,000.00	LS	\$0.00	\$500.00	\$5,500.00		
	TOTAL	\$0.00		115,260.00		\$0.00	\$11,526.00	\$126,786.00		
TOTAL FEE FOR AMENDMENT NO. 4		\$126,786.00								