

REQUESTED COMMISSION ACTION:

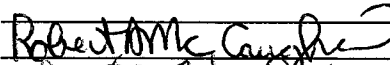
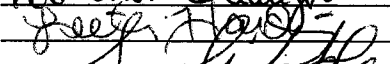
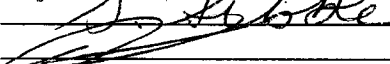

Consent                       Ordinance                       Resolution                       Consideration/  
Discussion                       Presentation

SHORT TITLE      Approval to Replace North Broward Park Lawn Irrigation System, by Job Order Contractor (JOC), Shiff Construction & Development, Inc. (\$292,575.63)

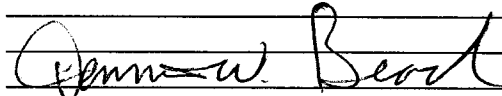
**Summary of Purpose and Why:**

North Broward Park's 17 acres of athletic fields are currently being irrigated by an antiquated hydraulic irrigation system. This system is not reliable, and replacement parts are difficult or impossible to locate. This project provides all labor and materials necessary to install a complete replacement system with new multi-zoned, electric valves, providing better irrigation coverage and more efficient use of water. Scope includes two new 20 HP pumps to irrigate from adjacent canal, as well as accommodation for future tap-in for reclaimed water.

- (1) Origin of request for this action: Staff
- (2) Primary staff contact: Robert McCaughan, Public Works Director                      Ext. 4097
- (3) Expiration of contract, if applicable: N/A
- (4) Fiscal impact and source of funding: \$292,575.63 sourced from CIP Project #07-929 Account 302-7307-572.65-12

DEPARTMENTAL COORDINATION	DATE	DEPARTMENTAL RECOMMENDATION	DEPARTMENTAL HEAD SIGNATURE
Public Works	3/8/2011	Approve	
General Services	3/9/11	approve	
Finance	3/11/11	Approve	
Budget	3/10/11	Approve	

Advisory Board  
 Planning Director  
 Public Works Director  
 City Manager



ACTION TAKEN BY COMMISSION:

<u>Ordinance</u> <u>Workshop</u>	<u>Resolution</u>	<u>Consideration</u>
1 <sup>st</sup> Reading	1 <sup>st</sup> Reading	Results:                      Results:
2 <sup>nd</sup> Reading		



Job Order Contract  
Contractor's Price Proposal - CSI

Date: February 24, 2011  
Contract No: N607197B2-C  
Job Order No: PB2010-006.00  
Job Order Title: North Broward Park Irrigation  
Contractor: Shiff Construction & Development, Inc.  
Proposal Value: \$278,643.46  
Proposal Name: North Broward Park Irrigation (FINAL)  
Proposal Submitted: 02/15/2011

<b>Subtotal for Section-01:</b>	<b>\$1,719.90</b>
<b>Subtotal for Section-02:</b>	<b>\$249,116.29</b>
<b>Subtotal for Section-15:</b>	<b>\$13,843.67</b>
<b>Subtotal for Section-16:</b>	<b>\$13,963.60</b>
<b>Price Proposal Total</b>	<b>\$278,643.46</b>

This proposal total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding of the line totals and sub-totals.

JOC Job Order Package - PB2010-006.00



**Job Order Contract  
Contractor's Price Proposal - CSI**

**Date:** February 24, 2011  
**Contract No:** N607197B2-C  
**Job Order No:** PB2010-006.00  
**Job Order Title:** North Broward Park Irrigation  
**Contractor:** Shiff Construction & Development, Inc.  
**Proposal Amount:** \$278,643.46  
**Proposal Name:** North Broward Park Irrigation (FINAL)  
**Proposal Submitted:** 02/15/2011

Rec#	Sect.	Item	Mod.	UOM	Description	Line Total														
<b>Section-01</b>																				
1	01510	0012		EA	20 CY Dumpster "Construction Debris" Note: Price Includes Service To Deliver And Pick-up Of Dumpster, Hauling Of Debris, Rental Of Dumpster And Disposal Fee.	\$1,719.90														
					<table> <tr> <td>Installation</td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td>Total</td> </tr> <tr> <td></td> <td>3.00</td> <td>x</td> <td>499.00</td> <td>x</td> <td>1.1489 =</td> <td>\$1,719.90</td> </tr> </table>	Installation	Quantity		Unit Price		Factor	Total		3.00	x	499.00	x	1.1489 =	\$1,719.90	
Installation	Quantity		Unit Price		Factor	Total														
	3.00	x	499.00	x	1.1489 =	\$1,719.90														
					For removal of all debris, excess fill and other.															

**Subtotal for Section-01:** **\$1,719.90**

<b>Section-02</b>																				
2	02112	0131		LF	Saw Cut Bituminous Paving Up To 4" (10 cm) Depth	\$1,102.94														
					<table> <tr> <td>Installation</td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td>Total</td> </tr> <tr> <td></td> <td>1,000.00</td> <td>x</td> <td>0.96</td> <td>x</td> <td>1.1489 =</td> <td>\$1,102.94</td> </tr> </table>	Installation	Quantity		Unit Price		Factor	Total		1,000.00	x	0.96	x	1.1489 =	\$1,102.94	
Installation	Quantity		Unit Price		Factor	Total														
	1,000.00	x	0.96	x	1.1489 =	\$1,102.94														
					Saw cut approximately 1000 LF of asphalt in parking lot/driveway															
3	02MOD	0131	0067		For Quantities > 250, Deduct	-\$91.91														
					<table> <tr> <td>Installation</td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td>Total</td> </tr> <tr> <td></td> <td>1,000.00</td> <td>x</td> <td>-0.08</td> <td>x</td> <td>1.1489 =</td> <td>-\$91.91</td> </tr> </table>	Installation	Quantity		Unit Price		Factor	Total		1,000.00	x	-0.08	x	1.1489 =	-\$91.91	
Installation	Quantity		Unit Price		Factor	Total														
	1,000.00	x	-0.08	x	1.1489 =	-\$91.91														
4	02201	0003		EA	Backhoe, Dozer Or Roller Up To 250 HP Delivery/Mob/Demob Note: Use for backhoe, dozer, roller, loader, excavator or similar sized equipment. Includes delivery fee, delivery, set-up and return.	\$359.80														
					<table> <tr> <td>Installation</td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td>Total</td> </tr> <tr> <td></td> <td>1.00</td> <td>x</td> <td>313.17</td> <td>x</td> <td>1.1489 =</td> <td>\$359.80</td> </tr> </table>	Installation	Quantity		Unit Price		Factor	Total		1.00	x	313.17	x	1.1489 =	\$359.80	
Installation	Quantity		Unit Price		Factor	Total														
	1.00	x	313.17	x	1.1489 =	\$359.80														
5	02215	0003		CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	\$7,159.39														
					<table> <tr> <td>Installation</td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td>Total</td> </tr> <tr> <td></td> <td>1,972.00</td> <td>x</td> <td>3.16</td> <td>x</td> <td>1.1489 =</td> <td>\$7,159.39</td> </tr> </table>	Installation	Quantity		Unit Price		Factor	Total		1,972.00	x	3.16	x	1.1489 =	\$7,159.39	
Installation	Quantity		Unit Price		Factor	Total														
	1,972.00	x	3.16	x	1.1489 =	\$7,159.39														
					Excavate (4,300 LF x 18" wide x 24" depth for main line); (815 LF x 18" wide x 24" depth for future reclaim line); & (25,250 LF x 18" wide x 12" depth for lateral lines)															
6	02MOD	0003	0134		For Quantities > 1000 (> 765 M3), Deduct	-\$2,152.35														
					<table> <tr> <td>Installation</td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td>Total</td> </tr> <tr> <td></td> <td>1,972.00</td> <td>x</td> <td>-0.95</td> <td>x</td> <td>1.1489 =</td> <td>-\$2,152.35</td> </tr> </table>	Installation	Quantity		Unit Price		Factor	Total		1,972.00	x	-0.95	x	1.1489 =	-\$2,152.35	
Installation	Quantity		Unit Price		Factor	Total														
	1,972.00	x	-0.95	x	1.1489 =	-\$2,152.35														
					'Excavate (4,300 LF x 18" wide x 24" depth for main line); (815 LF x 18" wide x 24" depth for future reclaim line); & (25,250 LF x 18" wide x 12" depth for lateral lines)'															
7	02215	0010		CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine	\$3,103.91														
					<table> <tr> <td>Installation</td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td>Total</td> </tr> <tr> <td></td> <td>1,972.00</td> <td>x</td> <td>1.37</td> <td>x</td> <td>1.1489 =</td> <td>\$3,103.91</td> </tr> </table>	Installation	Quantity		Unit Price		Factor	Total		1,972.00	x	1.37	x	1.1489 =	\$3,103.91	
Installation	Quantity		Unit Price		Factor	Total														
	1,972.00	x	1.37	x	1.1489 =	\$3,103.91														
					Backfill (4,300 LF x 18" wide x 24" depth for main line); (815 LF x 18" wide x 24" depth for future reclaim line); & (25,250 LF x 18" wide x 12" depth for lateral lines). It is assumed that excavated fill is suitable for backfilling of trenches. If clean fill is required per code, such approved fill shall be added to proposal pending owner approval.															

**JOC Job Order Package - PB2010-006.00**

Contractor's Price Proposal - CSI Detail Continues..

Job Order Number: PB2010-006.00

Job Order Title: North Broward Park Irrigation

Rec#	Sect.	Item	Mod.	UOM	Description	Line Total			
<b>Section-02</b>									
8	02MOD	0010	0139		For Quantities > 1000 (> 765 M3), Deduct	\$-928.91			
					Quantity	Unit Price	Factor	Total	
					Installation	1,972.00 x	-0.41 x	1.1489 =	\$-928.91
					'Backfill (4,300 LF x 18" wide x 24" depth for main line); (815 LF x 18" wide x 24" depth for future reclaim line); & (25,250 LF x 18" wide x 12" depth for lateral lines). It is assumed that excavated fill is suitable for backfilling of trenches. If clean fill is required per code, such approved fill shall be added to proposal pending owner approval.'				
9	02215	0013		CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, etc.	\$5,482.83			
					Quantity	Unit Price	Factor	Total	
					Installation	1,972.00 x	2.42 x	1.1489 =	\$5,482.83
					Compact (4,300 LF x 18" wide x 24" depth for main line); (815 LF x 18" wide x 24" depth for future reclaim line); & (25,250 LF x 18" wide x 12" depth for lateral lines)				
10	02MOD	0013	0144		For Quantities > 1000 (> 765 M3), Deduct	\$-1,631.25			
					Quantity	Unit Price	Factor	Total	
					Installation	1,972.00 x	-0.72 x	1.1489 =	\$-1,631.25
					'Compact (4,300 LF x 18" wide x 24" depth for main line); (815 LF x 18" wide x 24" depth for future reclaim line); & (25,250 LF x 18" wide x 12" depth for lateral lines)'				
11	02441	0009		EA	6" (15cm) Hi-Pop Full Circle Pattern	\$12,123.37			
					Quantity	Unit Price	Factor	Total	
					Installation	511.00 x	20.65 x	1.1489 =	\$12,123.37
					550 Rainbird 1800 series spray heads				
12	02441	0037		EA	Precipitation Range: 0.37" To 0.55" Per Hour Spacing: 48 To 76 Feet Water Pressure: 45 To 85 PSI 1" Inlet Feed Line	\$12,213.52			
					Quantity	Unit Price	Factor	Total	
					Installation	77.00 x	138.06 x	1.1489 =	\$12,213.52
					77 Hunter PGP rotors				
13	02441	0044		EA	Plastic Case Metal Cover, Impact Rotor Pop-Up Sprinklers Precipitation Range: 0.57" To 1.06" Per Hour Spacing: 53 To 75 Feet Water Pressure: 55 To 100 PSI 1" Inlet Feed Line, With Riser And Vandal Resistant Cap	\$50,437.28			
					Quantity	Unit Price	Factor	Total	
					Installation	185.00 x	237.30 x	1.1489 =	\$50,437.28
					(178) Hunter I-40 + (7) I-25 rotors in sports fields				
14	02441	0072		EA	2" (50mm) Electric Valve, Plastic Construction With Pressure Regulator And Scrubber Valve Operating Range Flow: 20 To 200 GPM Operating Range Pressure: 20 To 200 PSI Operating Range Pressure Regulation: 15 To 100 PSI	\$14,309.55			
					Quantity	Unit Price	Factor	Total	
					Installation	50.00 x	249.10 x	1.1489 =	\$14,309.55
					Approximately (50) Rainbird PESB electric valves				
15	02441	0089		EA	12" (30cm) Square Controller Valve Boxes	\$4,666.83			
					Quantity	Unit Price	Factor	Total	
					Installation	50.00 x	81.24 x	1.1489 =	\$4,666.83
					Approximately (50) valve boxes required for approximately (50) PESB electric valves.				

JOC Job Order Package - PB2010-006.00

Contractor's Price Proposal - CSI Detail Continues..

Job Order Number: PB2010-006.00

Job Order Title: North Broward Park Irrigation

Rec#	Sect.	Item	Mod.	UOM	Description	Line Total		
<b>Section-02</b>								
16	02441	0107		EA	24 Station Dual Program Computer Controller, Station Time: 0-60 Minutes Or 0-6 Hours. Automatic Starts: On Any Quarter Hour, Up To 3 Per Day For Each Program; Up To 6 Per Day Using Dual Program Capability Programming. Schedule: Based On 14-Day Cycle For Every Day, Every Other Day Starts For Two Week Period.	\$6,612.00		
					Quantity	Unit Price	Factor	Total
				Installation	1.00 x	5,755.07 x	1.1489 =	\$6,612.00
					24 station controller. Should 48 stations be required, 3 additional modules will be needed.			
17	02441	0139		EA	1" (25mm) Inlet Coupling Valve, Brass	\$189.55		
					Quantity	Unit Price	Factor	Total
				Installation	2.00 x	82.49 x	1.1489 =	\$189.55
					(2) required for hose bib connection at baseball fields.			
18	02443	0003		EA	20 HP, 225 GPM Irrigation Pump Station Includes ESP-12LX+ 12 Station Controller With Rain Sensor Mounted On Wall, 2-1/2" Control Valve With Pressure Reducing, Pressure Gauges Up And Downstream Of Control Valve and Large Capacity Disk Filter With 24VAC Solenoid For Master Valve, 20 HP Centrifugal Pump Providing 225GPM @ 200 TDH With Thermal Sensor In Volute And TEFC, Aluminum Skid Mounting, Galvanized Steel Discharge Header With Flowswitch, Hose Bibb, Pressure Gauge and Isolation Valve, 20 Gal. Capacity Hydro-pneumatic Fiberglass Pressure Tank. Does Not Include Electrical Service, Penetrations Through Wall, Additional Suction Footage, Backflow Protection And Permits.	\$31,887.42		
					Quantity	Unit Price	Factor	Total
				Installation	2.00 x	13,877.37 x	1.1489 =	\$31,887.42
					Install (2) new pump station. New electrical service by FPL to be additional when determined.			
19	02MOD	0003	0201	EA	For Lake Suction Water Source In Lieu Of Well, Add	\$2,201.29		
					Quantity	Unit Price	Factor	Total
				Installation	2.00 x	958.00 x	1.1489 =	\$2,201.29
					'Install (2) new pump station. New electrical service by FPL to be additional when determined.'			
20	02MOD	0003	0204	EA	For Hunter ICC-32 Controller In Lieu Of ESP-12LX, Add	\$542.28		
					Quantity	Unit Price	Factor	Total
				Installation	2.00 x	236.00 x	1.1489 =	\$542.28
					'Install (2) new pump station. New electrical service by FPL to be additional when determined.'			
21	02464	0297		LF	2" (51 mm) Diameter SDR 21 PVC Pressure Pipe, Class 200	\$55,118.48		
					Quantity	Unit Price	Factor	Total
				Installation	25,250.00 x	1.90 x	1.1489 =	\$55,118.48
					Average 15 LF required for each spray head (550 total) & 50 LF for each rotor (340 total) ***N.B. fittings excluded pending system design***			
22	02MOD	0297	0259		For Quantities > 1000, (> 305m), Deduct	\$-1,740.58		
					Quantity	Unit Price	Factor	Total
				Installation	25,250.00 x	-0.06 x	1.1489 =	\$-1,740.58
23	02MOD	0297	0260		For Coloring Of PVC Pipe For Reclaimed Water Identification, Add	\$5,511.85		
					Quantity	Unit Price	Factor	Total
				Installation	25,250.00 x	0.19 x	1.1489 =	\$5,511.85

JOC Job Order Package - PB2010-006.00

Contractor's Price Proposal - CSI Detail Continues..

Job Order Number: PB2010-006.00

Job Order Title: North Broward Park Irrigation

Rec#	Sect.	Item	Mod.	UOM	Description	Line Total			
<b>Section-02</b>									
24	02464	0300		LF	4" (10 cm) Diameter SDR 21 PVC Pressure Pipe, Class 200	\$24,077.73			
					Quantity	Unit Price	Factor	Total	
					Installation	4,330.00 x	4.84 x	1.1489 =	\$24,077.73
					Approximately 4,300 LF of 4" Schedule 200 pipe required to service park. ***N.B. fittings excluded pending system design***				
25	02MOD	0300	0259		For Quantities > 1000, (> 305m), Deduct	\$-547.22			
					Quantity	Unit Price	Factor	Total	
					Installation	4,330.00 x	-0.11 x	1.1489 =	\$-547.22
26	02MOD	0300	0260		For Coloring Of PVC Pipe For Reclaimed Water Identification, Add	\$3,382.82			
					Quantity	Unit Price	Factor	Total	
					Installation	4,330.00 x	0.68 x	1.1489 =	\$3,382.82
27	02464	0301		LF	6" (15 cm) Diameter SDR 21 PVC Pressure Pipe, Class 200	\$7,912.19			
					Quantity	Unit Price	Factor	Total	
					Installation	815.00 x	8.45 x	1.1489 =	\$7,912.19
					Approximately 815 LF of 6" Schedule 200 pipe required to connect future reclaimed water source at street to new pumps near lake. ***N.B. fittings excluded pending system design***				
28	02MOD	0301	0260		For Coloring Of PVC Pipe For Reclaimed Water Identification, Add	\$1,395.17			
					Quantity	Unit Price	Factor	Total	
					Installation	815.00 x	1.49 x	1.1489 =	\$1,395.17
					'Approximately 815 LF of 6" Schedule 200 pipe required to connect future reclaimed water source at street to new pumps near lake. ***N.B. fittings excluded pending system design***'				
29	02611	0009		SY	6" (15 cm) Crushed Aggregate Base Course	\$555.88			
					Quantity	Unit Price	Factor	Total	
					Installation	84.00 x	5.76 x	1.1489 =	\$555.88
					6" base course required in excavated pavement areas				
30	02MOD	0009	0528		For Quantities Up To 500, Add	\$135.11			
					Quantity	Unit Price	Factor	Total	
					Installation	84.00 x	1.40 x	1.1489 =	\$135.11
					'6" base course required in excavated pavement areas'				
31	02612	0048		SY	1-1/2" Thick Traffic C, S-I	\$890.77			
					Quantity	Unit Price	Factor	Total	
					Installation	84.00 x	9.23 x	1.1489 =	\$890.77
					New asphalt pavement required in excavated pavement areas.				
32	02MOD	0048	0566		For Small Repairs Up To 100 SF 1" Asphalt, Add Note: Does not include base work	\$778.82			
					Quantity	Unit Price	Factor	Total	
					Installation	84.00 x	8.07 x	1.1489 =	\$778.82
					'New asphalt pavement required in excavated pavement areas.'				
33	02820	0019		MSF	St. Augustine Floratam Sod, Over 8,000 SF, On Level Ground	\$4,057.73			
					Quantity	Unit Price	Factor	Total	
					Installation	7.70 x	458.68 x	1.1489 =	\$4,057.73
					Allowance for 7,700 SF of sod				

**Subtotal for Section-02: \$249,116.29**

JOC Job Order Package - PB2010-006.00

Contractor's Price Proposal - CSI Detail Continues..

Job Order Number: PB2010-006.00

Job Order Title: North Broward Park Irrigation

Rec#	Sect.	Item	Mod.	UOM	Description	Line Total		
<b>Section-15</b>								
34	15062	0317		EA	4"x 3" Cast Iron Tee, Sanitary Reducing, No Hub	\$3,027.35		
					Quantity	Unit Price	Factor	Total
				Installation	50.00	x 52.70	x 1.1489	= \$3,027.35
					Estimated (1) for each of the 50 estimated electric valves.			
35	15MOD	0317	0091		For Below Ground Installation, Add	\$120.06		
					Quantity	Unit Price	Factor	Total
				Installation	50.00	x 2.09	x 1.1489	= \$120.06
					'Estimated (1) for each of the 50 estimated electric valves.'			
36	15064	0340		LF	2" Pipe Schedule 40 PVC Socket Weld	\$1,976.11		
					Quantity	Unit Price	Factor	Total
				Installation	500.00	x 3.44	x 1.1489	= \$1,976.11
					Approximately 500 LF Schedule 40 sleeves required under all asphalt and concrete areas for direct burial wire.			
37	15064	0345		LF	8" Pipe Schedule 40 PVC Socket Weld	\$8,720.15		
					Quantity	Unit Price	Factor	Total
				Installation	500.00	x 15.18	x 1.1489	= \$8,720.15
					Approximately 500 LF Schedule 40 sleeves required under all asphalt and concrete areas for 4" mainline. Sleeve required to be twice the size of pipe serving.			
<b>Subtotal for Section-15:</b>						<b>\$13,843.67</b>		
<b>Section-16</b>								
38	16120	0351		MLF	# 14-3 With Ground Cable, Type UF Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	\$13,963.60		
					Quantity	Unit Price	Factor	Total
				Installation	7.00	x 1,736.27	x 1.1489	= \$13,963.60
					Estimated at 7,000 LF required to connect all electronic valves to controller.			
<b>Subtotal for Section-16:</b>						<b>\$13,963.60</b>		
<b>Price Proposal Total</b>						<b>\$278,643.46</b>		

This proposal total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding of the line totals and sub-totals.

JOC Job Order Package - PB2010-006.00



**Date:** February 24, 2011 8:42 pm  
**Job Order No:** PB2010-006.00  
**Job Order Title:** North Broward Park Irrigation  
**Location:** City of Pompano Beach  
**Brief Scope:** Provide layout and construction services to install new irrigation system at North Broward Park.

Preliminary  Final

The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work:

Provide layout and construction services to install new irrigation system at North Broward Park.

**General**

1. Obtain all necessary and applicable permits.
2. Dispose of all construction debris.
3. Provide daily clean-up, and conduct clean-up more frequently if necessary to keep the work area safe and clean.
4. All work to be performed during normal working hours.
5. Any costs associated with incidental scope documentation for permitting are included in the Contractor's Adjustment Factors. Any costs associated with signed and stamped drawings (if required) will be included in a Supplemental Job Order Price Proposal using the appropriate line items for professional fees.
6. Provide payment bond and performance bond, each for the job order amount.

**Irrigation Installation**

North Broward Park is an approximately 17 acre park featuring baseball and football fields, a soon to be re-constructed multi-purpose field, covered basketball courts, and an air conditioned administration building. The existing park is currently being serviced by an antiquated hydraulic irrigation system. Contractor shall provide all labor, material, and equipment required to replace the irrigation system with a new multi-zoned, electric irrigation system providing a more efficient use of water, better land coverage, and allowing basic repairs to be accomplished more easily.

The City shall provide a scaled as-built drawing of the park. Contractor shall provide a Job Order Price Proposal based on the following:

1. Contractor shall provide a detailed contractor-prepared drawing sufficient for permitting with the City of Pompano Beach Building Department. Although not required to be signed and sealed, this drawing shall show location of source of water, backflow protection, size of all piping, head locations and rain sensor location.
2. City-provided reclaimed water will be available from the adjacent street in the future. All installed pipe, mains, laterals and other piping shall be Class 200 and shall be colored purple for reclaimed water identification.
3. Contractor shall provide accommodation for future tap-in for reclaimed water.
4. Contractor shall provide and install 4" main line looping around entire property.
5. Contractor shall provide and install 2" lateral lines.
6. Contractor shall provide and install spray heads, rotors, and electric valves and boxes.
7. Contractor shall provide and install two (2) 20 HP, 225 GPM pump stations and one (1) controller. Source of

JOC Job Order Package - PB2010-006.00

Detailed Scope of Work continues..

**Job Order Number:** PB2010-006.00

**Job Order Title:** North Broward Park Irrigation

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water is via adjacent canal.

8. Contractor shall provide and install electrical wiring required to connect valves to controller.
9. Contractor shall provide all cutting and patching of asphalt in parking lot and install all sleaving and piping of new irrigation through parking lot area.
10. Contractor shall provide and install new sod in field areas affected by irrigation pipe installation. Allowance for 7,700 SF.
11. Contractor shall assume that all excavated fill will be suitable for backfill on newly laid irrigation piping. Should aggregate exceed 1", clean sand shall be required and shall be included in a Supplemental Job Order Price Proposal using the appropriate line item.
12. Any FPL fees required for increased service shall be reviewed by Owner and shall be included in a Supplemental Job Order Price Proposal using the appropriate line item for reimbursable fees (direct cost reimbursement, i.e. no markup).

**Work Order Completion Time:** 120 Calendar Days

**Liquidated Damages:** Liquidated damages will not apply

**Wage Determination:** None

JOC Job Order Package - PB2010-006.00



### Subcontractor Participation - Estimated

**Date:** February 24, 2011  
**Job Order No:** PB2010-006.00  
**Job Order Title:** North Broward Park Irrigation  
**Job Order Amount:** \$278,643.46

**To:** Robert McCaughan  
Public Works Director  
City of Pompano Beach  
100 W. Atlantic Blvd.  
Pompano Beach, FL 33060

**From:** Justen Shiff  
President  
Shiff Construction & Development, Inc.  
914 NE 20th Ave.  
Fort Lauderdale, FL 33304

Name of Contractor	Certification	Type of Work	Projected Value	Projected %
Ferguson Waterworks 1950 NW 18th Street Pompano Beach, Fl	None	Plumbing Supply	\$25,000.00	8.97%
Florida Blacktop, Inc. 1287 W. Atlantic Blvd. Pompano Beach, Fl	None	Asphalt Repair	\$5,000.00	1.79%
Hoover Pumping Stations 2801 N. Powerline Road Pompano Beach, Fl 33069-1009	None	Pump Stations	\$40,000.00	14.36%
Landscape Service Professionals 6115 NW 77th. Way Tamarac, Fl 33321	Broward County CDBE	Irrigation Installation	\$175,000.00	62.80%
Nu Turf Pompano Beach, Fl, Inc. 2801 North Dixie Highway Pompano Beach, Fl	None	Sod Supply & Install	\$5,000.00	1.79%
Shiff Construction & Development, Inc. 914 NE 20th Ave. Fort Lauderdale, FL 33304	Broward County CBE	All Structural & Non Irrigation Related Work, Bonds	\$28,643.46	10.28%
<b>Subcontractor Participation:</b>			<b>\$278,643.46</b>	<b>100.00%</b>



Job Order Contract  
**Joint Scope Meeting Invitation**

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**Date:** February 24, 2011  
**Job Order Number:** PB2010-006.00  
**Job Order Name:** North Broward Park Irrigation  
**Location:** North Broward Park

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**Date of Joint Scope:** August 02, 2010  
**Time:** 1:30 pm  
**Brief Scope:** Provide layout and construction services to install new irrigation system at North Broward Park.

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The following are invited to attend a Joint Scope Meeting to discuss the scope of work and related details regarding this Project:

<b>Name</b>	<b>Organization</b>	<b>Telephone</b>	<b>E-Mail</b>
Robert McCaughan	City of Pompano Beach	(954) 786-4097	robert.mccaughan@copbfl.com
Pedro Rubiales	City of Pompano Beach		
Arnold McRay	City of Pompano Beach		
Justen Shiff	Shiff Construction & Development, Inc.	(954) 931-5446	jds@shiffconstruct.com
Mark Beaudreau	City of Pompano Beach		
Michael Ledford	The Gordian Group	(954) 495-0686	m.ledford@gordian-group.com
Alessandra Delfico	City of Pompano Beach		

**Instructions:**

Robert McCaughan, Public Works Director



Job Order Contract  
Request for Proposal

Date: February 24, 2011

To: Justen Shiff  
President  
Shiff Construction & Development, Inc.  
914 NE 20th Ave.  
Fort Lauderdale, FL 33304

From: Robert McCaughan  
Public Works Director  
City of Pompano Beach  
100 W. Atlantic Blvd.  
Pompano Beach, FL 33060

Re: North Broward Park Irrigation  
Job Order Number - PB2010-006.00

Dear Justen Shiff:

The City of Pompano Beach requests that you provide a JOC Price Proposal, Subcontract Plan, Construction Schedule and other information as appropriate for the above referenced Job Order.

The attached Detailed Scope of Work, was discussed at the site on 08/02/2010 with the following individuals:

Name Title	Organization	Phone Email	Invited	Attended
Robert McCaughan Public Works Director	City of Pompano Beach	(954) 786-4097 robert.mccaughan@copbfl.com	X	X
Justen Shiff President	Shiff Construction & Development, Inc.	(954) 524-2575 jds@shiffconstruct.com	X	X
Michael Ledford Project Manager	The Gordian Group	(800) 874-2291 m.ledford@gordian-group.com	X	X
Pedro Rubiales	City of Pompano Beach		X	X
Arnold McRay	City of Pompano Beach		X	X
Mark Beaudreau	City of Pompano Beach		X	X
Alessandra Delfico	City of Pompano Beach		X	X

Proposed Work Schedule: 90 Calendar Days  
Liquidated Damages: Liquidated damages will not apply

**Additional Requirements:**

Your proposal is due on or before 08/12/2010.

Sincerely,

Robert McCaughan, Public Works Director

Job Order Package - PB2010-006.00



Date: August 19, 2010 12:55 am  
Job Order No.: PB2010-006.00  
Job Order Name: North Broward Park Irrigation  
Location: City of Pompano Beach  
Brief Scope: Provide layout and construction services to install new irrigation system at North Broward Park.

Preliminary  Final

The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work:

Provide layout and construction services to install new irrigation system at North Broward Park.

**General**

- 1. Obtain all necessary and applicable permits.
- 2. Dispose of all construction debris.
- 3. Provide daily clean-up, and conduct clean-up more frequently if necessary to keep the work area safe and clean.
- 4. All work to be performed during normal working hours.
- 5. Any costs associated with incidental scope documentation for permitting are included in the Contractor's Adjustment Factors. Any costs associated with signed and stamped drawings (if required) will be included in a Supplemental Job Order Price Proposal using the appropriate line items for professional fees.

**Irrigation Installation**

North Broward Park is an approximately 17 acre park featuring baseball and football fields, a soon to be re-constructed multi-purpose field, covered basketball courts, and an air conditioned administration building. The existing park is currently being serviced by an antiquated hydraulic irrigation system. Contractor shall provide all labor, material, and equipment required to replace the irrigation system with a new multi-zoned, electric irrigation system providing a more efficient use of water, better land coverage, and allowing basic repairs to be accomplished more easily.

The City shall provide a scaled as-built drawing of the park. Contractor shall provide a Job Order Price Proposal based on the following:

- 1. Provide project layout (sketches, shop drawings, etc.) in a format required for permitting for irrigation installation.
- 2. City-provided reclaimed water will be available from the adjacent street in the future. All installed pipe, mains, laterals and other piping shall be Class 200 and shall be colored purple for reclaimed water identification.
- 3. Contractor shall provide and install an empty 6" conduit from the street to the proposed pump location to provide future service. Contractor shall assume approximately 815 LF for Price Proposal purposes.
- 4. Contractor shall provide and install 4" main line looping around entire property. Contractor shall assume approximately 4,300 LF for Price Proposal purposes.
- 5. Contractor shall provide and install 2" lateral lines based upon 15 LF of pipe per spray head and 50 LF of pipe per rotor. Contractor shall assume approximately 25,250 LF for Price Proposal purposes.
- 6. Contractor shall provide and install spray heads (assume approximately 550), rotors (assume approximately 340), and electric valves and boxes (assume approximately 50).
- 7. Contractor shall provide and install two (2) 20 HP, 225 GPM pump stations. Source of water is via adjacent

Job Order Package - PB2010-006.00

## Detailed Scope of Work (continued)

Job Order No.: PB2010-006.00

Job Order Name: North Broward Park Irrigation

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canal.

8. Contractor shall provide and install electrical wiring required to connect valves to controller. Contractor shall assume approximately 7,000 LF for Price Proposal purposes.
9. Contractor shall provide all cutting and patching of asphalt in parking lot and install all sleaving and piping of new irrigation through parking lot area.
10. Contractor shall assume that all excavated fill will be suitable for backfill on newly laid irrigation piping. Should aggregate exceed 1", clean sand shall be required and shall be included in a Supplemental Job Order Price Proposal using the appropriate line item.
11. Any FPL fees required for increased service shall be reviewed by Owner and shall be included in a Supplemental Job Order Price Proposal using the appropriate line item for reimbursable fees (direct cost reimbursement, i.e. no markup).



**THE  
GORDIAN  
GROUP**

***Job Order Contracting System License Fees***

**City of Pompano Beach**

Pursuant to the conditions set forth under the agreement between The Gordian Group, Inc. and the City of Pompano Beach, The Gordian Group, Inc. requests a purchase order for the following amount:

**\$13,932.17**

<b>Job Order Title:</b>	North Broward Park Irrigation
<b>Job Order Number:</b>	PB2010-006.00
<b>JOC Contractor:</b>	Shiff Construction & Development, Inc.
<b>Job Order Amount:</b>	\$278,643.46
<b>License Fee % Due:</b>	5%
<b>License Fee \$ Due:</b>	\$13,932.17

Sincerely,

Michael Ledford  
The Gordian Group, Inc.

