

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY**

Meeting Date: December 15, 2015

Consent [X] Regular []
Public Hearing []

Submitted By: Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Change Order No. 2 for the Water Treatment Plant No. 3 Permeate Pipeline Replacement Contract with D.B. Construction Services, Inc. (R2012-0337) in the amount of \$122,043.61, with a 516 day time extension.

Summary: On March 6, 2012, the Board of County Commissioners approved the Water Treatment Plant No. 3 Permeate Pipeline Replacement Contract (Contract) with D.B. Construction Services, Inc. (Contractor) (R2012-0337). Change Order No. 1 was approved by the Contract Review Committee on September 18, 2013 for \$93,090.79 and no additional days to provide for the completion of work not contained in the original contract scope. Change Order No. 2 provides for additional work and time extensions that were required due to piping material changes, underground piping and utility conflicts, demolition of previously unknown underground structures, additional work related to an emergency plant shutdown and additional paving requirements in the amount of \$122,043.61, as well as the related time extension of 516 days. All work is now complete and no additional change orders will be issued. The Small Business Enterprise (SBE) participation goal established by the SBE Ordinance (R2002-0064) is 15% overall. The original contract with D.B. Construction Services, Inc. provides for SBE participation of 15.17% overall. Change Order No. 2 provides for SBE participation of 20.83% and the cumulative SBE Participation is 14.69%. Due to a conflict regarding payment between the Contractor and one (1) of its SBE subcontractors, final certification of SBE payment was not completed until June 23, 2015, more than a year after final completion of work on the project site. (WUD Project No. 11-074) District 3 (MJ)
Continued on Page 3

Attachments:

1. Location Map
2. Two (2) Originals – Change Order No. 2

Recommended By: _____

Department Director

12-4-15

Date

Approved By: _____

Assistant County Administrator

12/19/15

Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2016	2017	2018	2019	2020
Capital Expenditures	<u>\$122,044</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
External Revenues	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Program Income	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
(County)					
In-Kind Match County	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
NET FISCAL IMPACT	<u>\$122,044</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
# ADDITIONAL FTE					
POSITIONS (Cumulative)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

Budge Account No.: Fund 4011 Dept 721 Unit W003 Object 6541

Is Item Included in Current Budget? Yes **X** No

Reporting Category **N/A**

B. Recommended Sources of Funds/Summary of Fiscal Impact:

One (1) time capital expenditure from Water Utilities Department user fees, connection fees and balance brought forward.

C. Department Fiscal Review: Debra M. West


III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Development and Control Comments:

12/14/17 OFMB

D. J. Jaworski 12/15/15
Contract Development and Control

B. Legal Sufficiency:


Assistant County Attorney

C. Other Department Review:

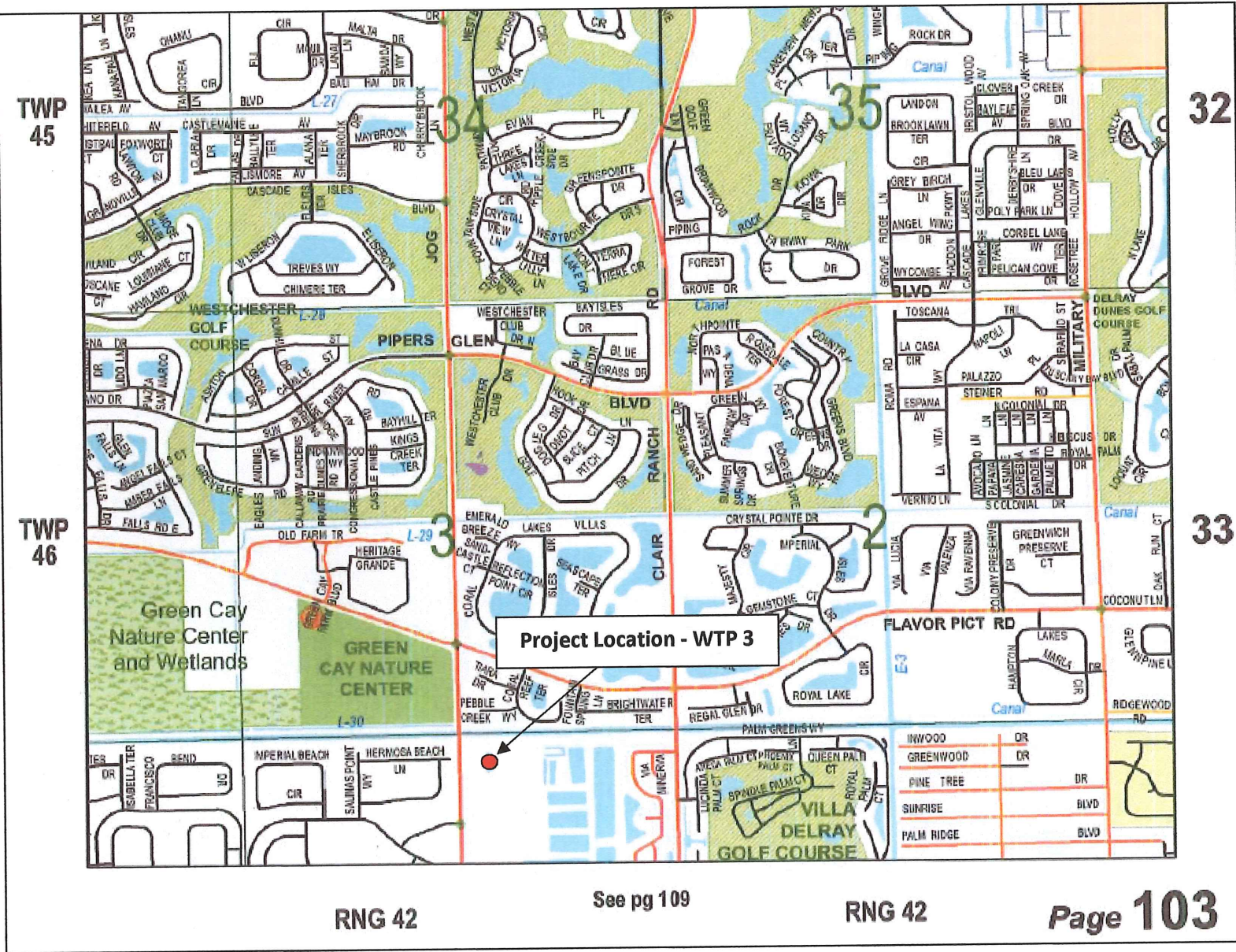
Department Director

This summary is not to be used as a basis for payment.

Continued from Page 1

Background and Justification: Upon approval of the Contract by the BCC, WUD issued the Notice to Proceed (NTP) on April 9, 2012. After issuance of the NTP, the Contractor encountered difficulties procuring the alloy required by the original project design, necessitating WUD approval of a change in alloy that resulted in project delays. Additional work was required due to unanticipated conditions encountered in the field. The additional work included the removal of underground concrete structures that were interfering with piping at the project site, the repair of damages associated with an adjacent pipe rupture that undermined the structural integrity of the existing chemical trench, interference with previously unknown electrical conduits, the repair of underground leaks, installation of extra clear well plugs and additional unanticipated concrete demolition and construction related to a pipe rupture in an adjacent line. During construction of the project, an adjacent pipe rupture required emergency repairs that provided for additional delay. Substantial completion of the project was completed October 30, 2013, and the project was made available to put into service. WUD also considered assigning the permanent repair work for the ruptured pipe to the Contractor, but ultimately decided to go out to bid for the additional work, resulting in additional delay after substantial completion. Work on the project was ultimately completed in early June 2014. However, the Contractor became involved in a pay dispute with an SBE subcontractor that was not resolved until June 23, 2015 with the submittal of final contract documentation that would allow WUD to execute Change Order No. 2 and close out the Contract. Change Order No. 2 provides for the additional job site work needed to address the unanticipated onsite conditions, as well as the time extension to accomplish this contract work and provide for additional delays while WUD was negotiating with the Contractor for work that was not ultimately provided.

Location Map



Change Order No. 2
WTP #3 Permeate Pipeline Replacement

RECEIVED BY: _____
NOV 19 2015
PBCWUD ENGINEERING

Contractor:
D.B. Construction Services, Inc.
4309 Raleigh Street
Tampa, FL 33619

DISTRICT: 3

WATER UTILITIES DEPARTMENT
CONTRACT NO. R2012-0337
CONTRACT DATE: March 6, 2012
NOTICE TO PROCEED: APRIL 9, 2012
BUDGET FUND#: 4011-721-W003-6541
WUD PROJECT NO. 11-074

You are directed to make the following changes in this contract:

1. Provide all labor and material for additional civil, mechanical, electrical, underground and related trade work as described in the attached Scope of Work and Cost Summary (Lump Sums), all in accordance with the Contract Documents.

Total: \$122,043.61


NOT VALID UNTIL SIGNED BY BOTH OWNER AND ENGINEER. SIGNATURE OF THE CONTRACTOR INDICATES HIS AGREEMENT HERewith INCLUDING ANY ADJUSTMENT IN THE CONTRACT SUM OR CONTRACT TIME, AND NO ADDITIONAL COST OR TIME INDICATED HEREIN WILL BE RELATED TO THIS CHANGE

The original Contract Sum was.....	\$1,285,000.00
Net change by previous Change Orders	\$ 93,090.79
The Contract Sum prior to this Change Order was	\$1,378,090.79
The Contract Sum will be increased by this Change Order.....	\$ 122,043.61
The new Contract Sum including this Change Order will be.....	\$1,500,134.40
The Contract time will be increased by.....	516 days
The Date of Substantial Completion including this Change Order:	Oct. 30, 2013
The Date of Final Completion including this Change Order:	June 4, 2014

EXECUTION OF THIS CHANGE ORDER ACKNOWLEDGES FINAL SETTLEMENT OF, AND RELEASES, ALL CLAIMS FOR COSTS AND TIME ASSOCIATED, DIRECTLY OR INDIRECTLY, WITH THE ABOVE-STATED MODIFICATION(S) INCLUDING ALL CLAIMS FOR CUMULATIVE DELAYS OR DISRUPTIONS RESULTING FROM, CAUSED BY, OR INCIDENT TO SUCH MODIFICATIONS AND INCLUDING ANY CLAIM THAT THE ABOVE STATED MODIFICATION(S) CONSTITUTES IN WHOLE OR PART, A CARDINAL CHANGE TO THE CONTRACT.

**Palm Beach County
Water Utilities Dept.
ENGINEER**


P.O. Box 16097
West Palm Beach, FL 33416
Address


Signature
Mike Gleman, P.E. Proj. Manager

11-20-15
DATE

**D.B. Construction
Services, Inc.
CONTRACTOR**

4309 Raleigh Street
Tampa, FL 33619
Address


Signature
David Brown, President

11/16/15
DATE

**Palm Beach County
Board of Commissioners
OWNER**

301 N. Olive Avenue
West Palm Beach, FL 33401
Address

Signature
Mary Lou Berger, Mayor

DATE

JCS

APPROVED AS TO FORM AND
LEGAL SUFFICIENCY:

County Attorney

Attest: Sharon R. Bock, Clerk and Comptroller:

By: _____
Deputy Clerk.

(Corporate Seal)

WUD Project No. 11-074: Water Treatment Plant No. 3 Permeate Pipeline Replacement
Contract No. R2012-0337

CATEGORIZATION CODE

3 QUANTITY OVERRUNS/UNDER-
4 REQUEST BY ANOTHER AGENCY
5 REIMBURSABLE
6 NON-REIMBURSABLE

PARTICIPATION BY M/WBE SUBCONTRACTORS

[illegible]

Original Contract Amount	\$1,285,000.00	Original Participation	\$ 195,000.00	Percent Participation	15.17%
Current Contract Amount	\$1,378,090.79	Current Participation	\$ 195,000.00	Percent Participation	14.15%
Adjusted Contract Amount	\$1,500,134.40	Adjusted Participation	\$ 220,430.86	Adjusted Percent Participation	14.69%

M/WBE

OSBA SCHEDULE 2
LETTER OF INTENT TO PERFORM AS AN SBE-M/WBE

This document must be completed by ALL SBE-M/WBE's and submitted with this bid packet. Specify in detail, the particular work items to be performed and the dollar amount and/or percentage for each work item. SBE credit will only be given for items which the SBE-M/WBE's is certified to perform. Failure to properly complete Schedule 2 will result in your SBE participation not being counted.

PROJECT NUMBER: 11-074 PROJECT NAME: Water Treatment Plant #3 Permeate Pipeline Replacement

TO: D. B. Construction Services, Inc
(Name of Prime Bidder)

The undersigned is certified by Palm Beach County as a - (check one or more, as applicable):

Small Business Enterprise XX Minority Business Enterprise

Black Hispanic Women Caucasian Other (Please Specify)

Date of Palm Beach County Certification: 5-20-2011

The undersigned is prepared to perform the following described work in connection with the above project. Additional Sheets May Be Used As Necessary

Line Item/ Lot No. Item Description	Qty/Units	Unit Price	Total Price/ Percentage
Labor and Materials: Underground civil, piping, and related			

at the following price or percentage \$25,430.86
(SBE Prime or Subcontractor's Quote)

and will enter into a formal agreement for work with you contingent upon your execution of a contract with Palm Beach County.

If undersigned intends to sub-subcontract any portion of this job to a certified SBE-M/WBE or a non-SBE subcontractor, please list the name of that subcontractor and the amount below.

Price or Percentage N/A Pipe Con Corporation
(Name of Subcontractor)

The Prime affirms that it will monitor the SBE-M/WBE listed to ensure the SBE-M/WBE perform the work with their own work force. The undersigned SBE-M/WBE Prime or SBE-M/WBE subcontractor affirms that it has the resources necessary to perform the work listed without subcontracting to a non-certified SBE or any other certified SBE subcontractors except as noted above.

The undersigned subcontractor understands that the provision of this form to Prime Bidder does not prevent Subcontractor from providing quotations to other bidders.

Pipe Con Corp
Print name of
SBE-M/WBE Company

By: Richard Berg
(Signature)
Richard Berg President
Print name/title of person executing on behalf
of SBE-M/WBE

Date: 11/13/15

Description	Qty	Unit	Unit Costs				Extended Costs				Subtotal Costs
			Labor-MK = 15%	Mat -MK = 15%	Sub-MK = 5%	Equip-MK = 15%	Labor-MK = 15%	Mat-MK = 15%	Sub-MK = 5%	Equip-MK = 15%	
Line Item # 1. (DBC)	1	LS	-	31,911.60	-	-	-	31,911.60	-	-	31,911.60
Replace A774 SS fittings with A403-WP			-	-	-	-	-	-	-	-	-
Total 6 required, 3-36" ells, 2-30"ells, 1-36" 45ell			-	-	-	-	-	-	-	-	-
DB Construction Labor			-	-	-	-	-	-	-	-	-
Project MGR	0	MH	60.00	-	-	-	-	-	-	-	-
Project Superintendent	0	MH	45.00	-	-	-	-	-	-	-	-
Attached Back-Up			-	-	-	-	-	-	-	-	-
Attachment 1-1 Pinnacle fittings cost summary			-	-	-	-	-	-	-	-	-
Attachment 1-2 Pinnacle initial invoice-5 fittings			-	-	-	-	-	-	-	-	-
Attachment 1-3 Pinnacle credit			-	-	-	-	-	-	-	-	-
Attachment 1-4 Pinnacle order 1-36"ell			-	-	-	-	-	-	-	-	-
Attachment 1-5 Pinnacle freight 1-36" ell			-	-	-	-	-	-	-	-	-
Attachment 1-6 BPVF credit on 774 fittings			-	-	-	-	-	-	-	-	-
Est Time Extension Requested (200) Days	200	days	-	-	-	-	-	-	-	-	-
Line Item # 2. (Deleted) Paid Allowance	0	LS	-	-	7,250.00	-	-	-	-	-	-
Remove U/g concrete structure interfering w/ 36" HDPE @ south end of trench.			-	-	-	-	-	-	-	-	-
Line Item # 3. (Subcontractor)	1	LS	-	-	4,313.40	-	-	-	4,313.40	-	4,313.40
Complete 9-28-12 Pipecon Const			-	-	-	-	-	-	-	-	-
Repair Undermining of existing Chemical trench			-	-	-	-	-	-	-	-	-
DB Construction Labor			-	-	-	-	-	-	-	-	-
Project MGR	4	MH	60.00	-	-	-	240.00	-	-	-	240.00
Project Superintendent	4	MH	45.00	-	-	-	180.00	-	-	-	180.00
Attached Back-up			-	-	-	-	-	-	-	-	-
Attachment 3-1 PipeCon Quote L&M			-	-	-	-	-	-	-	-	-
Attachment 3-2 PipeCon Flowable Fill Invoice			-	-	-	-	-	-	-	-	-
Attachment 3-3 PipeCon grout & pump truck			-	-	-	-	-	-	-	-	-
Est Time Extension (4) Days	4	days	-	-	-	-	-	-	-	-	-
Line Item # 4. (Subcontractor)	1	LS	-	-	2,258.00	-	-	-	2,258.00	-	2,258.00
Complete 11-14-12 Pipecon Const			-	-	-	-	-	-	-	-	-
Interference with unknown electrical conduits at Clearwell #1, 36" HDPE Riser Piping			-	-	-	-	-	-	-	-	-
DB Construction Labor			-	-	-	-	-	-	-	-	-
Project MGR	0	MH	60.00	-	-	-	-	-	-	-	-
Project Superintendent	8	MH	45.00	-	-	-	360.00	-	-	-	360.00
DBC Isco fusion equip cost	1	LS	-	-	3,675.00	-	-	-	3,675.00	-	3,675.00
Attached Back-Up			-	-	-	-	-	-	-	-	-
Attachment 4-1 PipeCon cost sheet L&M			-	-	-	-	-	-	-	-	-
Attachment 4-2 PipeCon cost sheet unload equip			-	-	-	-	-	-	-	-	-
Attachment 4-3 & 3A DBC / Isco fusion equip			-	-	-	-	-	-	-	-	-
Est Time Extension (4) Days	4	days	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-

Description	Qty	Unit	Unit Costs				Extended Costs				Subtotal Costs
			Labor-MK = 15%	Mat -MK = 15%	Sub-MK = 5%	Equip-MK = 15%	Labor-MK = 15%	Mat-MK = 15%	Sub-MK = 5%	Equip-MK = 15%	
Line Item # 5 . (DBC)			-	-	-	-	-	-	-	-	-
Supply (3) 20" 316 SS Segmented Flanges			-	-	-	-	-	-	-	-	-
for CW#2 gassifiers			-	-	-	-	-	-	-	-	-
DB Construction Labor			-	-	-	-	-	-	-	-	-
Project MGR	0	MH	60.00	-	-	-	-	-	-	-	-
Project Const Mgr	0	MH	45.00	-	-	-	-	-	-	-	-
Project Superintendent			-	-	-	-	-	-	-	-	-
Labor to deliver 20" Pit Flgs to Aerex	8	MH	45.00	-	-	-	360.00	-	-	-	360.00
Labor to deliver 20" Pit Flgs to job site	4	MH	45.00	-	-	-	180.00	-	-	-	180.00
Labor to install 3-20" ss seg flg verses pvc flgs	9	MH	35.00	-	-	-	315.00	-	-	-	315.00
DB Construction Material			-	-	-	-	-	-	-	-	-
Flg Bolting Hardware	1	LS	-	1,289.30	-	-	-	1,289.30	-	-	1,289.30
3 -20" 316 Plate Flanges less credit	1	ls	-	1,071.00	-	-	-	1,071.00	-	-	1,071.00
Aerex cost to machine 20" SS Seg Flgs	1	LS	-	-	1,190.00	-	-	-	1,190.00	-	1,190.00
Attached Back-up			-	-	-	-	-	-	-	-	-
Attachment 5-1 Aerex Invoice, machine cost			-	-	-	-	-	-	-	-	-
Attachment 5-2 Douglas Bros, 20' SS Flg cost			-	-	-	-	-	-	-	-	-
Attachment 5-3- Bolt&nut Flg Hrdw cost			-	-	-	-	-	-	-	-	-
Est Time Extension (15) Days	15	days	-	-	-	-	-	-	-	-	-
Line Item # 6			-	-	-	-	-	-	-	-	-
Repare U/g leak at cw# 1.20" riser piping			-	-	-	-	-	-	-	-	-
DB Construction Labor			-	-	-	-	-	-	-	-	-
Project MGR	0	MH	60.00	-	-	-	-	-	-	-	-
Project Const Mgr	45.5	MH	55.00	-	-	-	2,502.50	-	-	-	2,502.50
Project Superintendent	45.5	MH	45.00	-	-	-	2,047.50	-	-	-	2,047.50
Pipefitter (DBC)	40.5	MH	45.00	-	-	-	1,822.50	-	-	-	1,822.50
Pipefitter (Labor Service)	35.5	MH	45.00	-	-	-	1,597.50	-	-	-	1,597.50
Pipefitter Helper (Labor Service)	35.5	MH	35.00	-	-	-	1,242.50	-	-	-	1,242.50
Equipment / Crane Operator	36.5	MH	45.00	-	-	-	1,642.50	-	-	-	1,642.50
DB Construction Material			-	-	-	-	-	-	-	-	-
20" Mega Fl W/ Hrdw	1	LS	-	843.98	-	-	-	843.98	-	-	843.98
New All thread rod/ nuts for split flange	1	LS	-	365.06	-	-	-	365.06	-	-	365.06
DB Construction equipment			-	-	-	-	-	-	-	-	-
22 ton boom truck (3) days @ \$540. PD	1	LS	-	-	-	1,620.00	-	-	-	1,620.00	1,620.00
Welding Machine (1) day @\$60 PD	1	LS	-	-	-	60.00	-	-	-	60.00	60.00
Fork Lift (3) days @ \$300 PD	1	LS	-	-	-	900.00	-	-	-	900.00	900.00
United Rental ManLift (1 Wk) @ \$1350 PW	1	LS	-	-	-	1,350.00	-	-	-	1,350.00	1,350.00
Attached Back-up			-	-	-	-	-	-	-	-	-
Attachment 7-1 United Equip Invoice			-	-	-	-	-	-	-	-	-
Attachment 7-2 Mcdade material Invoice			-	-	-	-	-	-	-	-	-
Attachment 7-3 Fasenal Hdw Invoice			-	-	-	-	-	-	-	-	-
Est Time Extension (35) Days	35	days	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-
Line Item # 3A			-	-	-	-	-	-	-	-	-

D.B.Construction Services, Inc
4309 Raleigh St.
Tampa, FL 33619

Palm Beach County W.U.D.
W.T.P. No.3 Permeate Pipeline Replacement Project No.11-074

C.O.R. No. 2-A Rev 4
Cost Summary,
Date: 07-08-15
Rev 4,12-08-15

Description	Qty	Unit	Unit Costs				Extended Costs				Subtotal Costs
			Labor-MK = 15%	Mat -MK = 15%	Sub-MK = 5%	Equip-MK = 15%	Labor-MK = 15%	Mat-MK = 15%	Sub-MK = 5%	Equip-MK = 15%	
Scrap Removal			-	-	-	-	-	-	-	-	-
DB Construction Labor			-	-	-	-	-	-	-	-	-
Project MGR	1	MH	60.00	-	-	-	60.00	-	-	-	60.00
Project Const Mgr	20	MH	55.00	-	-	-	1,100.00	-	-	-	1,100.00
Project Superintendent	0	MH	45.00	-	-	-	-	-	-	-	-
Pipefitter (DBC)	20	MH	45.00	-	-	-	900.00	-	-	-	900.00
Pipefitter (Labor Service)		MH	45.00	-	-	-	45.00	-	-	-	45.00
Pipefitter Helper (Labor Service)	40	MH	35.00	-	-	-	1,400.00	-	-	-	1,400.00
Equipment / Crane Operator		MH	45.00	-	-	-	45.00	-	-	-	45.00
DB Construction equipment			-	-	-	-	-	-	-	-	-
22 ton boom truck (3) days @ \$540. PD	0	LS	-	-	-	1,620.00	-	-	-	-	-
Cutting rig, gases tools 2 day @ 60.00 PD	1	LS	-	-	-	120.00	-	-	-	120.00	120.00
Fork Lift (2) days @ \$300 PD	1	LS	-	-	-	600.00	-	-	-	600.00	600.00
United Rental ManLift (1 Wk) @ \$1350 PW	0	LS	-	-	-	1,350.00	-	-	-	-	-
Est Time Extension (4) Days	4	days	-	-	-	-	-	-	-	-	-
Line Item # 3B			-	-	-	-	-	-	-	-	-
Install Extra 30" Plug at Clear Well #2			-	-	-	-	-	-	-	-	-
DB Material			-	-	-	-	-	-	-	-	-
30" MJ Cap Complete w/ gland pac	1	ea	-	1,073.27	-	-	-	1,073.27	-	-	1,073.27
DB Labor			-	-	-	-	-	-	-	-	-
Project MGR	0	MH	60.00	-	-	-	-	-	-	-	-
Project Const Mgr	3	MH	55.00	-	-	-	165.00	-	-	-	165.00
Project Superintendent	0	MH	45.00	-	-	-	-	-	-	-	-
Pipefitter (DBC)	0	MH	45.00	-	-	-	-	-	-	-	-
Pipefitter (Labor Service)	0	MH	45.00	-	-	-	-	-	-	-	-
Pipefitter Helper (Labor Service)	0	MH	35.00	-	-	-	-	-	-	-	-
Equipment / Crane Operator	0	MH	45.00	-	-	-	-	-	-	-	-
Subcontractor (PipeCon) Install Plug	1	LS	-	-	420.00	-	-	-	420.00	-	420.00
Est Time Extension (6) Days	6	days	-	-	-	-	-	-	-	-	-
Line Item # 3C			-	-	-	-	-	-	-	-	-
Clear Well # 2 exrea concrete demo			-	-	-	-	-	-	-	-	-
DB Labor			-	-	-	-	-	-	-	-	-
Project MGR	0	MH	60.00	-	-	-	-	-	-	-	-
Project Const Mgr	4	MH	55.00	-	-	-	220.00	-	-	-	220.00
Project Superintendent	8	MH	45.00	-	-	-	360.00	-	-	-	360.00
Foreman	8	MH	45.00	-	-	-	360.00	-	-	-	360.00
Pipefitter (Labor Service)	6	MH	45.00	-	-	-	270.00	-	-	-	270.00
Pipefitter Helper (Labor Service)	6	MH	35.00	-	-	-	210.00	-	-	-	210.00
Equipment / Crane Operator	0	MH	45.00	-	-	-	-	-	-	-	-
Subcontractor (PipeCon) Labor/Equip	1	LS	-	-	8,046.00	-	-	-	8,046.00	-	8,046.00
Est Time Extension (10) Days	10	days	-	-	-	-	-	-	-	-	-
Line Item # 3D			-	-	-	-	-	-	-	-	-
Install Extra Concrete Supports in Vaults			-	-	-	-	-	-	-	-	-

D.B.Construction Services, Inc
4309 Raleigh St.
Tampa, FL 33619

Palm Beach County W.U.D.
W.T.P. No.3 Permeate Pipeline Replacement Project No.11-074

C.O.R. No. 2-A Rev.4
Cost Summary.
Date: 07-08-15
Rev.4, 12-08-15

Description	Qty	Unit	Unit Costs				Extended Costs				Subtotal Costs
			Labor-MK = 15%	Mat -MK = 15%	Sub-MK = 5%	Equip-MK = 15%	Labor-MK = 15%	Mat-MK = 15%	Sub-MK = 5%	Equip-MK = 15%	
DB Material			-	-	-	-	-	-	-	-	-
Anchor Bolts and Hardware	1	LS	-	139.60	-	-	-	139.60	-	-	139.60
Saddle Support FB Steel	1	LS	-	354.00	-	-	-	354.00	-	-	354.00
DB Labor			-	-	-	-	-	-	-	-	-
Project MGR	0	MH	60.00	-	-	-	-	-	-	-	-
Project Const Mgr	4	MH	55.00	-	-	-	220.00	-	-	-	220.00
Project Superintendent	0	MH	45.00	-	-	-	-	-	-	-	-
Pipefitter (DBC)	6	MH	45.00	-	-	-	270.00	-	-	-	270.00
Pipefitter (Labor Service)	0	MH	45.00	-	-	-	-	-	-	-	-
Pipefitter Helper (Labor Service)	0	MH	35.00	-	-	-	-	-	-	-	-
Equipment / Crane Operator	0	MH	45.00	-	-	-	-	-	-	-	-
Subcontractor (PipeCon) form pour concrete	1	LS	-	-	1,481.11	-	-	-	1,481.11	-	1,481.11
Subcontractor (WD Wilson) form roll saddles	1	LS	-	-	120.00	-	-	-	120.00	-	120.00
Est Time Extension (6) Days	6	days	-	-	-	-	-	-	-	-	-
Line Item # 3E			-	-	-	-	-	-	-	-	-
Labor for Subcontractor to remove 1 Ft wide X 1-11/2"			-	-	-	-	-	-	-	-	-
from one chemical trench section			-	-	-	-	-	-	-	-	-
DB Labor			-	-	-	-	-	-	-	-	-
Project MGR	0	MH	60.00	-	-	-	-	-	-	-	-
Project Const Mgr	0	MH	55.00	-	-	-	-	-	-	-	-
Project foreman	2	MH	45.00	-	-	-	90.00	-	-	-	90.00
Pipefitter (DBC)	0	MH	45.00	-	-	-	-	-	-	-	-
Pipefitter (Labor Service)	0	MH	45.00	-	-	-	-	-	-	-	-
Pipefitter Helper (Labor Service)	0	MH	35.00	-	-	-	-	-	-	-	-
Equipment / Crane Operator	0	MH	45.00	-	-	-	-	-	-	-	-
Subcontractor (PipeCon) form pour concrete			-	-	-	-	-	-	-	-	-
remove 1 Ft wide X 1-11/2"remove 1 Ft wide X 1-11/2"	1	LS	-	-	420.00	-	-	-	420.00	-	420.00
from one chemical trench section			-	-	-	-	-	-	-	-	-
Est Time Extension (6) Days	6	days	-	-	-	-	-	-	-	-	-
Line Item # 3F			-	-	-	-	-	-	-	-	-
Leak Detection Tees / Capes for new SA Chemical piping			-	-	-	-	-	-	-	-	-
Material			-	-	-	-	-	-	-	-	-
Pipe Fittings	1	LS	-	2,062.72	-	-	-	2,062.72	-	-	2,062.72
DB Labor			-	-	-	-	-	-	-	-	-
Project MGR	0	MH	60.00	-	-	-	-	-	-	-	-
Project Const Mgr	4	MH	55.00	-	-	-	220.00	-	-	-	220.00
Project foreman	0	MH	45.00	-	-	-	-	-	-	-	-
Pipefitter (DBC)	8	MH	45.00	-	-	-	360.00	-	-	-	360.00
Pipefitter (Labor Service)	0	MH	45.00	-	-	-	-	-	-	-	-
Pipefitter Helper (Labor Service)	0	MH	35.00	-	-	-	-	-	-	-	-
Equipment / Crane Operator	0	MH	45.00	-	-	-	-	-	-	-	-
Est Time Extension (4) Days	4	days	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-
Line Item # 3-G			-	-	-	-	-	-	-	-	-

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Palm Beach County W.U.D.
W.T.P. No:3 Permeate Pipeline Replacement Project No.11-074

C.O.R. No. 2-A Rev 4
Cost Summary,
Date: 07-08-15
Rev 4.12-08-15

Description	Qty	Unit	Unit Costs				Extended Costs				Subtotal Costs
			Labor-MK = 15%	Mat -MK 15%	Sub-MK = 5%	Equip-MK = 15%	Labor-MK = 15%	Mat-MK = 15%	Sub-MK = 5%	Equip-MK = 15%	
Rerout Existing 12" water piping to clear shoring instalation			-	-	-	-	-	-	-	-	-
DB Labor			-	-	-	-	-	-	-	-	-
Project MGR	0	MH	60.00	-	-	-	-	-	-	-	-
Project Const Mgr	8	MH	55.00	-	-	-	440.00	-	-	-	440.00
Project foreman	0	MH	45.00	-	-	-	-	-	-	-	-
Pipefitter (DBC)	0	MH	45.00	-	-	-	-	-	-	-	-
Pipefitter (Labor Service)	0	MH	45.00	-	-	-	-	-	-	-	-
Pipefitter Helper (Labor Service)	0	MH	35.00	-	-	-	-	-	-	-	-
Equipment / Crane Operator	0	MH	45.00	-	-	-	-	-	-	-	-
Subcontractor (PipeCon) form pour concrete			-	-	-	-	-	-	-	-	-
Rerout Existing 12" water piping to clear shoring instalation	1	LS	-	-	5,516.70	-	-	-	5,516.70	-	5,516.70
Est Time Extention (12) Days	12	days	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-
Line Item # 3-H			-	-	-	-	-	-	-	-	-
Additional Concrete Demo on existing u/g vault			-	-	-	-	-	-	-	-	-
to allow for trench box instalation			-	-	-	-	-	-	-	-	-
DB Labor			-	-	-	-	-	-	-	-	-
Project MGR	0	MH	60.00	-	-	-	-	-	-	-	-
Project Const Mgr	4	MH	55.00	-	-	-	220.00	-	-	-	220.00
Project foreman	4	MH	45.00	-	-	-	180.00	-	-	-	180.00
Pipefitter (DBC)	0	MH	45.00	-	-	-	-	-	-	-	-
Pipefitter (Labor Service)	0	MH	45.00	-	-	-	-	-	-	-	-
Pipefitter Helper (Labor Service)	0	MH	35.00	-	-	-	-	-	-	-	-
Equipment / Crane Operator	0	MH	45.00	-	-	-	-	-	-	-	-
Subcontractor (PipeCon)			-	-	-	-	-	-	-	-	-
Demo existing U/g concrete vault	1	LS	-	-	2,622.05	-	-	-	2,622.05	-	2,622.05
Est Time Extention (4) Days	4	days	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-
Line Item # 3-I			-	-	-	-	-	-	-	-	-
Form and pour addition grout under existing U/g vault			-	-	-	-	-	-	-	-	-
DB Labor			-	-	-	-	-	-	-	-	-
Project MGR	0	MH	60.00	-	-	-	-	-	-	-	-
Project Const Mgr	8.5	MH	55.00	-	-	-	467.50	-	-	-	467.50
Project foreman	8.5	MH	45.00	-	-	-	382.50	-	-	-	382.50
Pipefitter (DBC)	0	MH	45.00	-	-	-	-	-	-	-	-
Pipefitter (Labor Service)	0	MH	45.00	-	-	-	-	-	-	-	-
Pipefitter Helper (Labor Service)	0	MH	35.00	-	-	-	-	-	-	-	-
Equipment / Crane Operator	0	MH	45.00	-	-	-	-	-	-	-	-
Subcontractor (PipeCon)			-	-	-	-	-	-	-	-	-
Form and pour addition grout under existing U/g vault	1	LS	-	-	4,075.00	-	-	-	4,075.00	-	4,075.00
Est Time Extention (8) Days	8	days	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-
Line Item # 3-J			-	-	-	-	-	-	-	-	-
Replace 42" Plug as shown at existing U/g tie in			-	-	-	-	-	-	-	-	-
with 42" MJ plug to match existing tee			-	-	-	-	-	-	-	-	-
DB Labor			-	-	-	-	-	-	-	-	-

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C.O.R. No. 2-A Rev 4
Cost Summary.
Date: 07-08-15
Rev 4, 12-08-15

Description	Qty	Unit	Unit Costs				Extended Costs				Subtotal Costs
			Labor-MK = 15%	Mat -MK = 15%	Sub-MK = 5%	Equip-MK = 15%	Labor-MK = 15%	Mat-MK = 15%	Sub-MK = 5%	Equip-MK = 15%	
Project MGR	0	MH	60.00	-	-	-	-	-	-	-	-
Project Const Mgr	2	MH	55.00	-	-	-	110.00	-	-	-	110.00
Project foreman	8	MH	45.00	-	-	-	360.00	-	-	-	360.00
Pipefitter (DBC)	0	MH	45.00	-	-	-	-	-	-	-	-
Pipefitter (Labor Service)	0	MH	45.00	-	-	-	-	-	-	-	-
Pipefitter Helper (Labor Service)	0	MH	35.00	-	-	-	-	-	-	-	-
Equipment / Crane Operator	0	MH	45.00	-	-	-	-	-	-	-	-
Material			-	-	-	-	-	-	-	-	-
42" DI Cap with megalug assembly	1	LS	-	3,500.00	-	-	-	3,500.00	-	-	3,500.00
Est Time Extention (4) Days	4	days	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-
Line Item # 3-K			-	-	-	-	-	-	-	-	-
Rerout U/g Blend piping due to unknown U/g electrical DB			-	-	-	-	-	-	-	-	-
DB Labor			-	-	-	-	-	-	-	-	-
Project MGR	0	MH	60.00	-	-	-	-	-	-	-	-
Project Const Mgr	40	MH	55.00	-	-	-	2,200.00	-	-	-	2,200.00
Project foreman	0	MH	45.00	-	-	-	-	-	-	-	-
Pipefitter (DBC)	230	MH	45.00	-	-	-	10,350.00	-	-	-	10,350.00
Pipefitter (Labor Service)	0	MH	45.00	-	-	-	-	-	-	-	-
Pipefitter Helper (Labor Service)	0	MH	35.00	-	-	-	-	-	-	-	-
Equipment / Crane Operator	0	MH	45.00	-	-	-	-	-	-	-	-
Equipment			-	-	-	-	-	-	-	-	-
Misc. equip to set and install piping	1	LS	-	-	-	2,760.00	-	-	-	2,760.00	2,760.00
Material			-	-	-	-	-	-	-	-	-
14" SS Pipe, Fitting and hardware & misc HDPE fittings	1	LS	-	9,419.00	-	-	-	9,419.00	-	-	9,419.00
Subcontractor (PipeCon)			-	-	-	-	-	-	-	-	-
Form & Pour Concrete support pad ext 6"x 5'x30"	1	LS	-	-	2,850.00	-	-	-	2,850.00	-	2,850.00
Subcontractor (Aerex)			-	-	-	-	-	-	-	-	-
Fab (3) SS pipe supports, pickel & passavate	1	LS	-	-	3,659.00	-	-	-	3,659.00	-	3,659.00
Fab (2) 14" SS pipe Spools pickel & passavate	1	LS	-	-	1,875.00	-	-	-	1,875.00	-	1,875.00
Subcontractor (Isco)			-	-	-	-	-	-	-	-	-
Fusion Machine and Tec services	1	LS	-	-	5,066.00	-	-	-	5,066.00	-	5,066.00
Est Time Extention (90) Days	90	days	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-
Line Item 3 L (Credit) -\$32,695	1	ls	-	-	-	-	-	-	-	-	-
Dismanteling Joints substituting with depend-o-loc			-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-
Line Item # 3-M			-	-	-	-	-	-	-	-	-
Provide Additional Paving at WTP 3 Maint parking area , outside contract paving scope			-	-	-	-	-	-	-	-	-
Labor DBC	16	mh	50.00	-	-	-	800.00	-	-	-	800.00
Equip DBC	1	LS	-	-	-	-	-	-	-	-	-

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C.O.R. No. 2-A Rev 4
Cost Summary.
Date: 07-08-15
Rev 4 12-08-15

Description	Qty	Unit	Unit Costs				Extended Costs				Subtotal Costs
			Labor-MK = 15%	Mat -MK = 15%	Sub-MK = 5%	Equip-MK = 15%	Labor-MK = 15%	Mat-MK = 15%	Sub-MK = 5%	Equip-MK = 15%	
Material DBC	1	LS	-	-	-	-	-	-	-	-	-
Subcontractor (Economy Paving & Maint			-	-	-	-	-	-	-	-	-
Supply Labor, material and equipment to pave additional parking area w/6" base rock&1-1/2" asphalt	3700	sf	-	-	1.75	-	-	-	6,475.00	-	6,475.00
			-	-	-	-	-	-	-	-	-
Supply Labor, material and equipment to pave additional parking area over new permeate piping w/ additional 1" asphalt & 6" additional base rock	586	sf	-	-	1.75	-	-	-	1,025.50	-	1,025.50
			-	-	-	-	-	-	-	-	-
Total area 45'x13' section			-	-	-	-	-	-	-	-	-
Est Time Extention (104) Days	104	days	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-
Line Item # 3-N (Credit) -\$14,000	1	ls	-	-	-	-	-	-	-	-	-
Credit to SOV's line item 53, Site resoration			-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-
Grand Total Time Extension Request =	516	days	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-
Subtotal 1							34,295.00	52,029.53	55,087.76	7,410.00	148,822.29
		LS									-
Sales Tax	1	LS		0.06		0.06		3,121.77		444.60	3,566.37
Subtotal 2							34,295.00	55,151.30	55,087.76	7,854.60	152,388.66
Mark up	1	LS	0.15	0.15	0.05	0.15	5,144.25	8,272.70	2,754.39	1,178.19	17,349.52
Subtotal 3							39,439.25	63,424.00	57,842.15	9,032.79	169,738.19
Bonds	1	LS	0.016	0.016	0.016	0.016	631.03	1,014.78	925.47	144.52	2,715.81
		LS	0	0	0	0	-	-	-	-	-
Total Cost							40,070.28	64,438.78	58,767.62	9,177.31	172,454.00

Notes:

Credit DependoLoc (32,695.00)
Credit for Sod (14,000.00)
Credit for Unused Allowance (3,715.39)
Total CO 2A rev1 122,043.61