Agenda Item # 3K-2

PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

| Meeting Date: | December 5, 2006 | Consent [X] Public Hearing [] | Regular [] |
|----------------|----------------------------|-----------------------------------|-------------------|
| Submitted By: | Water Utilities Department | | |
| Submitted For: | Water Utilities Department | | |
| | | | :================ |

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Change Order No. 3 with Southeast Drilling Services, Inc. for the Lake Region Water Treatment Plant (LRWTP) Test Production Wells increasing the Contract (R2004-1738) by \$217,209 and providing a 121-day time extension.

Summary: On August 17, 2004 the Board approved the contract for the LRWTP Test Production Wells (R2004-1738) with Southeast Drilling Services, Inc. for constructing seven Floridan Aquifer wells. During the drilling of the wells, the geologic conditions indicated that the well casing needed to be extended an additional 150 feet to minimize the production of sand from the Upper Floridan Aquifer. Sand production is a critical consideration for extending the life of reverse osmosis membrane elements. Reducing the sand production from the wells will also lower operational costs. Change Order No. 3 provides work related to additional drilling, casing, and cement grout for the increased well depths. The contract time is being increased by 121 calendar days to accommodate the additional time required for drilling and casing installation. Total Change Orders to date, excluding the \$129,964.40 Sales Tax Recovery Program Change Order, equals \$334,959.00 (1.107% increase). The Small Business Enterprise (SBE) participation goal established by the SBE Ordinance is 15.0% overall. This contract with Southeast Drilling Services, Inc. provides for SBE participation of 14.69% overall.

(WUD Project No. 03-169)

District 6

(JM)

Background and justification: On August 17, 2004, the Board approved the contract for the LRWTP Test Production Wells (R2004-1738) with Southeast Drilling Services, Inc., in the amount of \$3,139,020 and Change Order No. 1 for sales tax recovery reducing the contract by \$129,964.40. The increased casing setting depth eliminates a high sand producing interval in the Upper Floridan Aquifer reducing the operational costs by minimizing cartridge filter replacement which collects sand and particulate matter prior to the reverse osmosis membranes. Change Order #3 allows for the increased casing and well depth for the reduction of sand increasing the contract by \$217,209.

Attachments:

- 1. Two (2) Original Change Order No. 3
- 2. Location map

Recommended By:

Department Director

12/4/06

Approved By:

Assistant County Administrator

Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

| Fiscal Years | 2007 | 2008 | 2009 | 2010 | 2011 |
|--|------------------------------------|-----------------|------------------|-------------------|----------|
| Capital Expenditures External Revenues Program Income (County) In-Kind Match County | <u>\$217,209.00</u> 0 0 0 | | 0 0 0 0 | | 00000 |
| NET FISCAL IMPACT | <u>\$217,209.00</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> |
| Budget Account No.: Fund | d <u>4011</u> Dept | <u>721</u> Unit | <u>W026</u> Ol | oject <u>6541</u> | |
| Is Item Included in Current Bu | udget? Ye | es <u>X</u> N | lo | | |

Reporting Category N/A

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

\$217,209 is a one-time capital expenditure from user fees and balance brought forward.

C. Department Fiscal Review: _______

III. REVIEW COMMENTS

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

130/26 ontract Developmen

This item complies with current County policies.

Legal Sufficiency Β. Assis fant ŚUI

C. Other Department Review:

Purchasing Department Director

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

| Southeast Drilling Services, Inc. P.O. Box 271723 Tampa, Florida 33688 | CONTRACT NO. CONTRACT DATE: NOTICE TO PROCEED: BUDGET LINE ITEM: DISTRICT NUMBER | 8/17/200 10/4/200 4011-72 |)4)4 |
|--|---|--------------------------------------|--------------|
| You are directed to make the following 1. Add additional reamed borehole Certa Loc PVC casing, addition miscellaneous overhead and expen- depth for each of the seven (7) La additional costs are itemized and compared additional costs are | drilling, additional 16-inch SE nal cement grout, and add nses for the increased casing s ke Region Production Wells | DR 17 itional setting These | \$217,209.00 |

from Southeast Drilling Services, Inc. dated September 8, 2006.
Increase contract time for Phase 2 Substantial Completion from 365 calendar days to 486 calendar days. Contract dates are based upon a December 26, 2005 Notice To Proceed for Phase 2 Construction.

Total \$217,209.00

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: | \$3,139,020.00 |
|---|--------------------------------|
| Net change by previous Change Orders: | (\$12,214.40) |
| The Contract Sum prior to this Change Order was: | \$3,126,805.60 \$217,209.00 |
| The new Contract Sum including this Change Order will be: | \$3,344,014.60 |
| The Contract time will be increased by: | 121 Days |
| The Date of Substantial Completion including this Change Order Phase 1: | <u>July 31, 2006</u> |
| The Date of Substantial Completion including this Change Order Phase 2: | <u>April 25, 2007</u> |
| The Date of Final Completion including this Change Order: | <u>May 24, 2007</u> |

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 DISRRUPTIONS 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 Department ENGINEER

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

Signature Stephen McGrew, P.E.

10/30/06

DATE

Southeast Drilling Services, Inc.

CONTRACTOR

P.O. Box 271723 Tampa, Florida 33688 Address Palm Beach County Board of County Commissioners OWNER

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

Addie L. Green - Chairperson

Signature

W.B. Ziegler, V.P.

30/06 $^{\prime}\mathrm{O}$

DATE

ATTEST: Sharon R. Bock Clerk and Comptroller

Signature

DATE

LEGAL SUFFICIENCY:

APPROVED AS TO FORM AND

County Attorney

Deputy Clerk

CHANGE ORDER CATEGORIZATION

| X OWNER INITIATED | QUANTITY OVERRUNS/UNDER-RUNS |
|-------------------------------|------------------------------|
| X DIFFERING SITE CONDITIONS | REQUEST BY ANOTHER AGENCY |
| ZONING/CODE/ORDINANCE CHANGES | REIMBURSABLE |
| ERRORS/OMISSIONS IN DESIGN | NON-REIMBURSABLE |

SCHEDULE 1

PARTICIPATION OF SBE/MWBE CONTRACTORS

| PROJECT NAME: Lake Re | egion Water Treatment Pl | ant Product | ion Wells | _ | PROJECT NO. WUD 03-169 |
|--|---------------------------------|-------------|--------------------|----------------|-----------------------------|
| NAME OF PRIME CONTR | | | | | CHANGE ORDER NO. <u>3</u> |
| CONTACT PERSON: Bart | | | E NO: <u>561-4</u> | | FAX NO: <u>561-493-1540</u> |
| CONTRACT DATE: Augus | | | | | DEPARTMENT: Water Utilities |
| ****** | ********** | ***** | ***** | *** | DEFARTMENT. Water Ounties |
| Name, Address and Phone Number of M/WBE | Type of Work To Be Performed | | Cont | ract Amoun | t |
| | | Black | Hispanic | Women | Other(Please Specify) |
| 1. | | | | | |
| ··· | | \$ | \$ | \$ | \$ <u>0</u> |
| 2. | | \$ | ¢ | ŕ | |
| | <u> </u> | Ψ | Φ | ۵ <u></u> | \$ <u>0</u> |
| 3. | | \$ | \$ | \$ | \$ <u>0</u> |
| · | | <u> </u> | | | |
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| 5. | | <u> </u> | | | |
| 5. | | \$ | \$ | \$ | \$ <u>0</u> |
| | | | | | |
| | TOTALS | \$ <u>0</u> | \$ <u>0</u> | \$ <u>0</u> | \$ <u>0</u> |
| PRIME CONTRACTOR TO COMP | LETE: | | | | |
| ORIGINAL CONTRACT PRICE: | <u>\$3,139,020.00</u> ORIGINAL | PARTICIPATI | ON: <u>\$813,2</u> | <u>59.00</u> % | PARTICIPATION: 15.60% |
| ADJUSTED CONTRACT PRICE: | | PARTICIPAT | | | PARTICIPATION: 14.69% |

* Change Order #1 related to the Sales Tax Recovery Program does not change SBE/M/BE participation.

COST SUMMARY

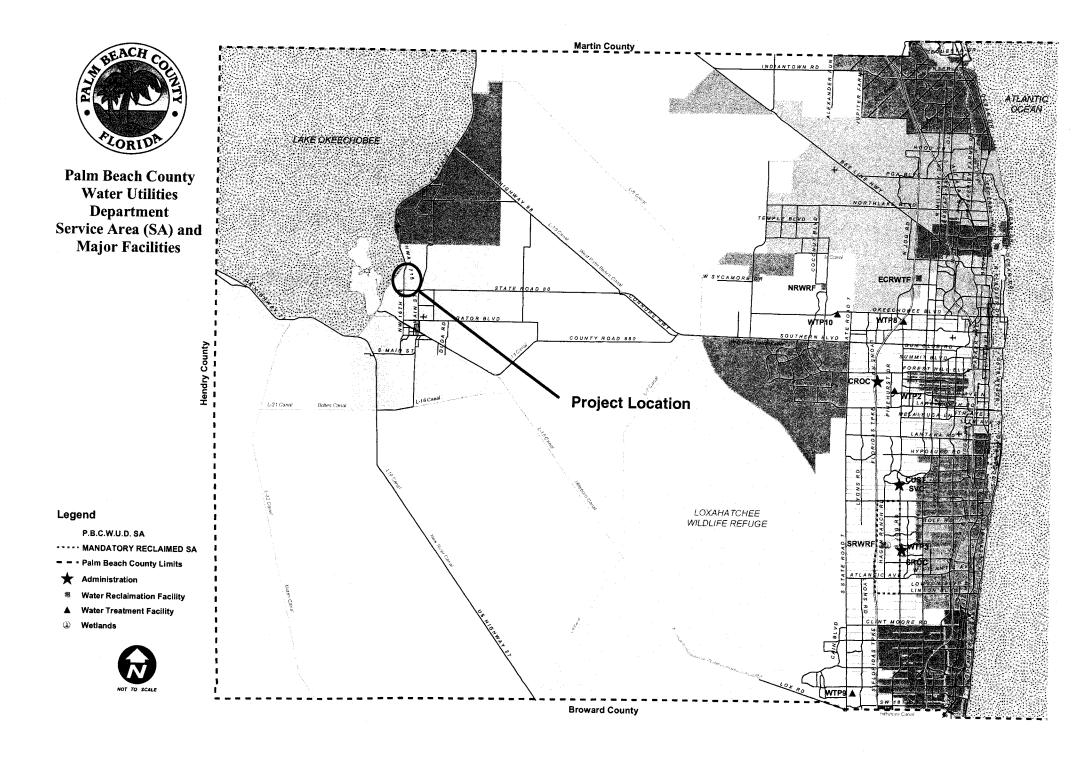
| <u>C.O. #</u> | DESCRIPTION | ADDITIONS | (DELETIONS) | NET CHANGE |
|---------------|--|--------------|----------------|----------------|
| 1 | Sales Tax Recovery | \$0.00 | (\$129,964.40) | (\$129,964.40) |
| 2 | Additional Site Work Costs & Well Deduction | \$502,000.00 | (\$384,250.00) | \$117,750.00 |
| 3 | Additional Drilling, Casing, and Cement Grout | \$217,209.00 | \$0.00 | \$217,209.00 |
| Total | | \$719,209.00 | (\$514,214.40) | \$204,994.60 |

CHANGE ORDER ADDITIONS/DELETIONS SUMMARY

| | CT: ACTOR: | Pro Southeast | Lake Region Water Treatment Plant Production Wells Southeast Drilling Services, Inc. | | | | | | | | |
|---------|------------------|------------------|--|----------|---------------------------------------|-------------|------------|--|----------------|-----------------------------------|----------------|
| PROJEC | | Tan |). Box 271723 npa, Fl. 33688 /UD 03-169 | | DEPARTMENT HEAD CONTRACT R COMMITT | | REVIEW | REVIEW DEPARTM TEE PLUS CONTR COMM | | | |
| | JTION NO.: | R | 2004-1738 | | | (Amount) | (Days) | (Amount) | (Days) | (Amount) | (Days) |
| DATE AI | PPROVED: | Αυς | just 16, 2005 | INE | VIDUAL C.O. | \$25,000.00 | 12 Days | \$50,000.00 | 25 Days | \$60,000.00 | |
| CONTRA | ACT AMOUNT: | \$3 | ,126,805.60 | CUM | MULATIVE C.O. | \$25,000.00 | - | \$75,000.00 | 37 Days | \$100,000.00 | N/A N/A |
| C.O. # | DATE APPROVED | NET | DEPARTME (ADDS PLUS | DEDUCTS) | CONTRACT COMMIT (ADDS PLUS I | TEE | CONTRACT R | PT. HEAD & EVIEW COMM. S DEDUCTS) | COMMIS | F COUNTY SIONERS S DEDUCTS) | |
| 1 | | CHANGE | AMOUNT | DAYS | AMOUNT | DAYS | AMOUNT | DAYS | AMOUNT | DAYS | TOTALS |
| | 11/16/2004 | (\$129,964.40) | \$0.00 | 0 | \$0.00 | 0 | \$0.00 | 0 | (\$129,964.40) | . 0 | (\$129,964.40) |
| 2 | 2/7/2006 | \$117,750.00 | \$0.00 | 0 | \$0.00 | 0 | \$0.00 | 0 | \$117,750.00 | (175) | \$117,750.00 |
| 3 4 | Pending | \$217,209.00 | \$0.00 | 0 | \$0.00 | 0 | \$0.00 | 0 | \$217,209.00 | 121 | \$217,209.00 |
| 5 | | | | | | | | | | | |
| 6 | | | | | | | | | | | |
| 7 | | | | | | | | | | | - |
| 8 | | | | | | | | | | | |
| 9 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |
| 11 | | | | | | | | | | | |
| TOTAL | | \$204,994.60 | \$0.00 | 0 | \$0.00 | 0 | \$0.00 | 0 | \$204,994.60 | (54) | \$204,994.60 |

Notes:

Net Change reflects the net amount of additions plus deductions.
 Adds plus Deducts reflects the net value of unrelated changes for use in determining the approval authority for the Change Order.
 Liquidated Damages = \$1,000 (Stage 1), = \$2,000 (Stage 2) and = \$1,000 (After Substantial Completion).





Southeast Drilling Services, Inc.

P.O. Box 271723. Tampa, FL 33688 PH (813) 968-7277 FAX (813) 969-4397

PROJECT: PBC LAKE REGIONAL PRODUCTION WELLS (WUD 03-169) SOUTHEAST DRILLING SERVICES, INC. SED CPR-2 WUD CPR -

SUBJECT: PBC LAKE REGIONAL CASING SETTING DEPTH INCREASE

| M | DESCRIPTION | QUANTITY | UNIT | UNIT PRICE | соѕт | EXTENDEI |
|-------------|-----------------------|----------|------------|---------------|-----------|-------------------|
| Marta 1 | * · · · · | | | | | |
| Materia | | | | | | |
| 1 16" SDI | R 17 Certo Lok | 1000 | Foot | \$60.50 | \$60,500 | |
| 2 Cemen | | 1250 | | \$42.00 | \$52,500 | |
| 3 Rig and | support equipment | | Day | \$5,500.00 | | |
| 4 Mud Sy | stem | | Day Day | \$5,500.00 | \$41,250 | |
| 5 Back He | De | | Day | | \$0 | |
| 6 Tractor | Trailer | | | | \$0 | |
| 7 Crane | | | Day | | \$0 | |
| 8 | | | Day | | \$0 | |
| | | | Day | | \$0 | |
| | I Materials | | | | £154.050 | |
| Tax | | | | | \$154,250 | |
| Total Ma | aterials | | | | \$10,798 | |
| | | | | | | \$165,04 |
| 1 Project I | Management | | | | | |
| 2 Supervis | sor | | Hour | \$130 | \$1,040 | |
| 3 Project L | | | Hour | \$78 | \$5,850 | |
| | | 225 | | \$45 | \$10,125 | |
| 5 Hotel | (4-man crew) | 30 (| Day | \$47 | \$1,410 | |
| o notei | | 7.5 [| Day | \$120 | \$900 | |
| Subtotal | Labor & Perdiem | | | | | \$19,32 |
| Bonding | | | | | | \$3,68 |
| Subtotal | SED Services | | | | | •=,00 |
| | ration & Overhead | | | | | \$188,06 |
| Subtotal | auon & Overnead | | | | | \$18,80 |
| Profit | | | | | | \$206,86 |
| | | | | | | \$10,34 |
| Total SE | D Services | | | | | \$217,20 |
| Subcontr | actor Work | | | | | |
| | | _ | | | | |
| 2 | | | ach | | \$0 | |
| | | E | ach | | \$0 | |
| Total Sul | ocontracts | | | | | |
| , otal Out | Conducto . | | | | | \$0 |
| Subtotal | | | | | | |
| | | | | | | \$0 |
| Bonding | | | | | | \$(|
| Subtotal | | | | | | \$0 |
| Overhead | & Administration | | | | | • • |
| Total Sul | bcontract items | | | | | \$(\$(|
| Total Cha | ange Proposal Request | | | | | \$217,209 |
| Total Add | litional Time | 494 0 | alendar Da | | | ¥=17,203 |
| | | 121 Ca | alondar D | ave | | |

Note

These costs are for the increased final casing setting depth from 1,050 feet to 1,150 feet below land surface.
 See attached sheet for additional time calculation
 Note that there will be additional costs and time required to move back to each well and perform acidization and final pumping tests at a later date. This change in work sequence was requested by the County.

CPR-2 (Casing Setting Depth Mods).xls 10/26/2006

Page 1

5EP-08-2006 18:32 FROM:SOUTHEAST

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Central Florida Pipe & Supply, Inc. 9450 Voyles Loop Road • P.O. Box 883 Polk City, Florida 33868 • (863) 984-1705 "Growth through Friends"

INVOICE

INVOICE# 07862

Southeast Drilling Services 1930 Land C' Lakes Blvd #15

JOB# PBCLR

Lutz, Fl 33549

| | | | · · · · · · · · · · · · · · · · · · · | | |) | | | | | | |
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| 500 | ft | 16" SDR 1 | 7 Ce: | rta Lok | PVC Pipew∕ | couplings | s & spl | ínes | 60 | 50 | 30,250 | <u> </u> |
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ATTACHMENT 2

