



**PURCHASING ITEM  
FOR  
COUNCIL AGENDA  
Memo No. CA08-063**

**1. Agenda Item Number:**  
**32**  
**2. Council Meeting Date:**  
October 25, 2007

**TO: MAYOR & COUNCIL**

**3. Date Prepared:** September 11, 2007

**THROUGH: CITY MANAGER**

**4. Requesting Department:** Municipal Utilities

**5. SUBJECT:** Award a project agreement to SDB, Inc. for construction for Odor Control Upgrades at Golf Course Lift Station, Pecos Diversion Facility, and the Manganaro Lift Station, Project No. WW0801-401, in an amount not to exceed \$296,285 under Job Order Contract JOC07-04.

**6. RECOMMENDATION:** Staff recommends that Council award a project agreement to SDB, Inc. for construction for Odor Control Upgrades at Golf Course Lift Station, Pecos Diversion Facility, and Manganaro Lift Station, Project No. WW0801-401, in an amount not to exceed \$296,285 under Job Order Contract JOC07-04.

**7. BACKGROUND/DISCUSSION:** City staff has identified odor control upgrades that are needed at three locations: Golf Course Lift Station, Pecos Diversion Facility, and the Manganaro Lift Station. City staff has requested these improvements be implemented to address odor control issues expressed by citizens.

**8. EVALUATION:** On January 11, 2007 Council approved a one-year Job Order Contract in an amount not to exceed \$5,000,000 with the option of four one-year extensions, to SDB, Inc., JOC07-04, for general construction services. The costs proposed for this project have been reviewed by City Staff and compared to historical prices for similar City projects.

**9. FINANCIAL IMPLICATIONS:**

Cost: \$296,285  
Savings: N/A  
Long Term Costs: N/A

**Fund Source:**

| <u>Account Number</u>     | <u>Fund Name</u>          | <u>Program Name</u>                     | <u>CIP Funded</u> | <u>Amount</u> |
|---------------------------|---------------------------|---|-------------------|---------------|
| 615.3910.0000.6814.8WW196 | Wastewater Operating Fund | Collection System Facility Improvements | FY 07/08          | \$296,285     |

**10. PROPOSED MOTION:** Move that Council award a project agreement to SDB, Inc. for construction for Odor Control Upgrades at Golf Course Lift Station, Pecos Diversion Facility, and the Manganaro Lift Station, Project No. WW0801-401, in an amount not to exceed \$296,285 under Job Order Contract JOC

**ATTACHMENTS:** Location Map

**APPROVALS**

**11. Requesting Department**

**13. Department Head**

  
Robert Mulvey, Assistant Municipal Utilities Director

  
Dave Siegel, Municipal Utilities Director

**12. City Engineer**

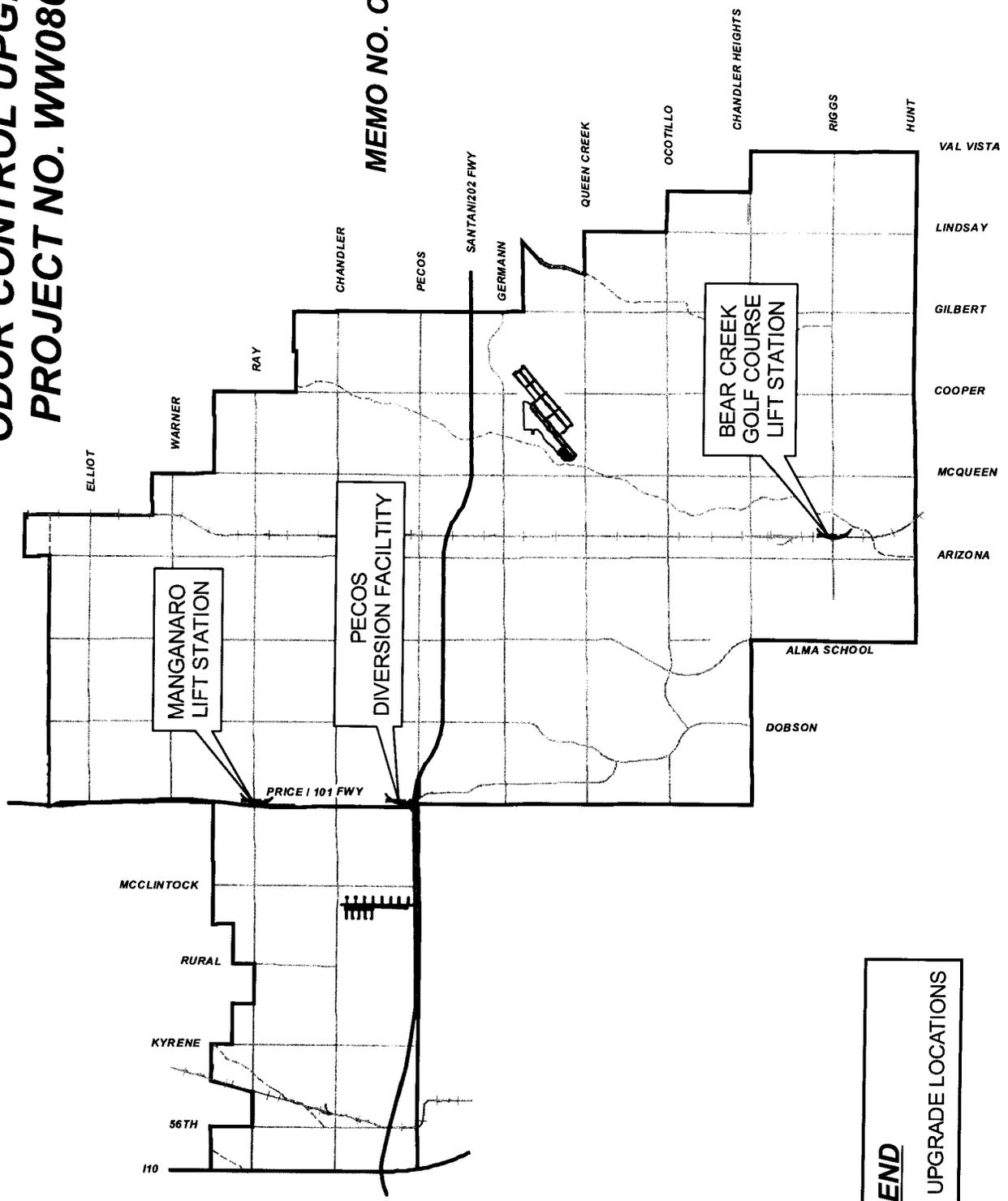
**14. City Manager**

  
Sheina Hughes, Acting Assistant Public Works Director/City Engineer

  
W. Mark Pentz

# ODOR CONTROL UPGRADES PROJECT NO. WW0801-401

MEMO NO. CA08-063



NTS  
Chandler

**PROJECT AGREEMENT  
PURSUANT TO JOB ORDER CONTRACT NO. JOC 07-04**

**AGREEMENT NO: WW0801-401  
PROJECT NAME (or LOCATION): Odor Control Upgrades  
DEPT.: Municipal Utilities**

This AGREEMENT is made this \_\_\_\_\_ day of \_\_\_\_\_ 2007, by and between the City of Chandler, a municipal corporation (hereinafter referred to as "CITY") and SDB, Inc. an Arizona corporation, (hereinafter referred to as "JOC") and is a Job Order entered into pursuant to JOB ORDER CONTRACT NO. JOC 07-04.

CITY and JOC, in consideration of the mutual covenants herein set forth, agree as follows:

**ARTICLE 1. DESCRIPTION OF WORK**

This Job Order Project is Odor Control Upgrades at Pecos Diversion Structure, Project Number WW0801-401. The scope of work consists of installation of a one blower, one Vapex V-800 unit in fiberglass with A/C and blower, and one Vapex V-1500 unit in fiberglass with A/C, all as more particularly set forth in Exhibit A attached hereto and incorporated herein by reference.

The JOC shall not accept any change of scope, or change in contract provisions, unless issued in writing, as a contract amendment or change order and signed by the authorized signatories for each party.

**ARTICLE 2. CONTRACT PRICE**

CITY shall pay JOC for completion of the Work in accordance with the Contract Documents a fee not to exceed the Guaranteed Maximum Price of Two Hundred Ninety Six Thousand Two Hundred Eighty Five Dollars (\$296,285) determined and payable as set forth in Contract JOC 07-04 and Exhibit B attached hereto and made a part hereof by reference.

**ARTICLE 3. CONTRACT TIME & SCHEDULE**

The Contract Time is One Hundred Twenty days and JOC agrees to complete all Construction within One Hundred Twenty (120) days from the effective date of the Notice to Proceed.

**ARTICLE 4. GENERAL**

This Project Agreement is entered into pursuant to JOB ORDER CONTRACT NO. JOC 07-04 and the terms and conditions contained therein are incorporated herein by reference as if set forth in full.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and year first written above.

This Agreement will be effective upon execution by the both parties.

IN WITNESS WHEREOF, the parties have hereunto subscribed their names to this \_\_\_\_\_ day of \_\_\_\_\_ 2007.

CITY OF CHANDLER  
\_\_\_\_\_  
MAYOR DATE:

FOR THE JOC:  
By: \_\_\_\_\_ 9/25/07  
Title: Project Manager

ADDRESS FOR NOTICE  
City of Chandler  
P.O. Box 4008, Mail Stop 407  
Chandler, AZ 85244-4008  
480-782-3307

ADDRESS FOR NOTICE  
Mr. Sean Jones  
SDB, Inc.  
810 W. First St.  
Tempe, AZ 85281

APPROVED AS TO FORM:

Phone: 602-686-5615  
Fax: 967-5841

By: \_\_\_\_\_ City Attorney  
ATTEST:  
\_\_\_\_\_  
City Clerk

**EXHIBIT A  
SCOPE OF WORK**

JOC shall install, replace, and/or upgrade sewer odor control units at their Bear Creek Golf Course Wastewater Lift Station, Pecos Diversion Facility, and the Ray and Price (Manganaro) Lift Station as follows:

**Bear Creek Golf Course Wastewater Lift Station:**

- Install blower and 2" sch 80 PVC vacuum lines to two (2) manholes in Riggs Rd.
- Potholing and directional boring services, in order to reach manholes in Riggs Rd.
- Determine depths and locations of vacuum lines and determine best route, upon completion of potholing.
- Make and patch penetrations into manholes for vacuum lines.
- Perform manhole work at night or on weekends due to two-lane closure needed to perform work.

**Pecos Diversion Facility:**

- Install Vapex V-800 odor control unit in fiberglass building with A/C and blower for vacuum. Fog wet will.
- Install water service from existing meter with backflow preventer, cage, and two hose bibs.
- Install electrical service.
- Install 2" sch 80 PVC vacuum lines to three (3) manholes.
- Make and patch penetrations into manholes for vacuum lines.

**Manganaro Lift Station:**

- Install Vapex V-1500 odor control unit in fiberglass building with A/C. Fog wet well and two (2) manholes.
- Install water service from existing above ground line.
- Install two (2) 1 ½" sch 80 PVC lines from one (1) manhole to inside wall.
- Install modified GS-5 clamshell backflow cage over manhole outside facility for protection.
- Replace two (2) manhole covers with aluminum covers for installation of Vapex nozzles.

**EXHIBIT B  
FEE SCHEDULE**

|    |                                    |                          |                     |
|----|------------------------------------|--------------------------|---------------------|
| 01 | Division 1 - General Requirements  | \$                       | 5,550.00            |
| 02 | Division 2 - Site Construction     | \$                       | 21,850.00           |
| 09 | Division 9 - Finishes              | \$                       | 400.00              |
| 13 | Division 13 - Special Construction | \$                       | 2,800.00            |
| 15 | Division 15 - Mechanical           | \$                       | 8,000.00            |
| 16 | Division 16 - Electrical           | \$                       | 1,740.00            |
|    |                                    | <b>Sub Total</b>         | <b>\$ 40,340.00</b> |
|    |                                    | <b>Coefficient</b> 17.0% | <b>\$ 6,858.00</b>  |
|    |                                    | <b>Total</b>             | <b>\$ 47,198.00</b> |

| <b>DIVISION BREAKDOWN</b>                         |        |  |      |              |                     |
|---|--------|--|------|--------------|---------------------|
| QUAN  | CSI    | Description  | Unit | \$ per Unit  | Total               |
| 24.0  | 013020 | Project Manager  | EA   | \$ 60.00     | \$ 1,440.00         |
| 72.0  | 013100 | Superintendent   | EA   | \$ 55.00     | \$ 3,960.00         |
| 1.0   | 015270 | Portable Toilet  | EA   | \$ 150.00    | \$ 150.00           |
| <b>Total - Division 1 - General Requirements</b>  |        |  |      |              | <b>\$ 5,550.00</b>  |
| 1.0   | 020500 | Saw cut and remove asphalt for vacuum and electrical       | LS   | \$ 750.00    | \$ 750.00           |
| 4.0   | 022100 | Private detection services                                 | HRS  | \$ 150.00    | \$ 600.00           |
| 1.0   | 023150 | Pot holing services allowance                              | AL   | \$ 4,000.00  | \$ 4,000.00         |
| 1.0   | 023150 | Directional boring services                                | AL   | \$ 12,500.00 | \$ 12,500.00        |
| 1.0   | 023150 | Traffic control for pot holing and directional boring      | AL   | \$ 2,750.00  | \$ 2,750.00         |
| 1.0   | 027400 | Asphalt Patching   | LS   | \$ 1,250.00  | \$ 1,250.00         |
| <b>Total - Division 2 - Site Construction</b>     |        |  |      |              | <b>\$ 21,850.00</b> |
| 2.0   | 099000 | Patch man hole penetrations                                | AL   | \$ 200.00    | \$ 400.00           |
| <b>Total - Division 9 - Finishes</b>              |        |  |      |              | <b>\$ 400.00</b>    |
| 1.0   | 132200 | PSI contract to install blower and suction header          | LS   | \$ 2,800.00  | \$ 2,800.00         |
| <b>Total - Division 13 - Special Construction</b> |        |  |      |              | <b>\$ 2,800.00</b>  |
| 2.0   | 154000 | Man hole core drills - night work - separate mobilizations | EA   | \$ 851.50    | \$ 1,703.00         |
| 200.0   | 154000 | Install 2" sch 80 pvc from blower to edge of street        | LF   | \$ 12.34     | \$ 2,467.00         |
| 100.0   | 154000 | Excavate and backfill trench for pvc installation          | LF   | \$ 38.30     | \$ 3,830.00         |
| <b>Total - Division 15 - Mechanical</b>           |        |  |      |              | <b>\$ 8,000.00</b>  |
| 1.0   | 160001 | Install electrical service for blower                      | LS   | \$ 1,740.00  | \$ 1,740.00         |
| <b>Total - Division 16 - Electrical</b>           |        |  |      |              | <b>\$ 1,740.00</b>  |

**EXHIBIT B (cont.)  
FEE SCHEDULE**

|                    |                                    |              |                   |
|--------------------|------------------------------------|--------------|-------------------|
| 01                 | Division 1 - General Requirements  | \$           | 5,550.00          |
| 02                 | Division 2 - Site Construction     | \$           | 2,100.00          |
| 03                 | Division 3 - Concrete              | \$           | 600.00            |
| 09                 | Division 9 - Finishes              | \$           | 600.00            |
| 13                 | Division 13 - Special Construction | \$           | 75,200.00         |
| 15                 | Division 15 - Mechanical           | \$           | 17,200.00         |
| 16                 | Division 16 - Electrical           | \$           | 1,845.00          |
| <b>Sub Total</b>   |                                    | \$           | <b>103,095.00</b> |
| <b>Coefficient</b> |                                    | <b>17.0%</b> | \$ 17,526.00      |
| <b>Total</b>       |                                    | \$           | <b>120,621.00</b> |

**J BREAKDOWN**

| QUAN  | CSI    | Description  | Unit | \$ per Unit  | Total        |
|---|--------|--|------|--------------|--------------|
| 24.0  | 013020 | Project Manager  | EA   | \$ 60.00     | \$ 1,440.00  |
| 72.0  | 013100 | Superintendent   | EA   | \$ 55.00     | \$ 3,960.00  |
| 1.0   | 015270 | Portable Toilet  | EA   | \$ 150.00    | \$ 150.00    |
| <b>Total - Division 1 - General Requirements</b>  |        |  |      |              | \$ 5,550.00  |
| 1.0   | 020500 | Saw cut and remove asphalt for vacuum and electrical             | LS   | \$ 750.00    | \$ 750.00    |
| 4.0   | 022100 | Private detection services                                       | HRS  | \$ 150.00    | \$ 600.00    |
| 1.0   | 027400 | Asphalt Patching   | LS   | \$ 750.00    | \$ 750.00    |
| <b>Total - Division 2 - Site Construction</b>     |        |  |      |              | \$ 2,100.00  |
| 1.0   | 030001 | Concrete pad for fiberglass building                             | LS   | \$ 600.00    | \$ 600.00    |
| <b>Total - Division 3 - Concrete</b>              |        |  |      |              | \$ 600.00    |
| 3.0   | 099000 | Patch man hole penetrations                                      | AL   | \$ 200.00    | \$ 600.00    |
| <b>Total - Division 9 - Finishes</b>              |        |  |      |              | \$ 600.00    |
| 1.0   | 132200 | PSI contract to install blower and suction header                | LS   | \$ 1,700.00  | \$ 1,700.00  |
| 1.0   | 132200 | PSI contract to install V-800 odor control unit                  | LS   | \$ 65,000.00 | \$ 65,000.00 |
| 1.0   | 132200 | PSI contract to supply and install fiberglass enclosure with a/c | LS   | \$ 7,000.00  | \$ 7,000.00  |
| 1.0   | 132200 | Estimated shipping for fiberglass building                       | AL   | \$ 1,500.00  | \$ 1,500.00  |
| <b>Total - Division 13 - Special Construction</b> |        |  |      |              | \$ 75,200.00 |
| 3.0   | 154000 | Man hole core drills - night work - separate mobilizations       | EA   | \$ 560.00    | \$ 1,680.00  |
| 400.0   | 154000 | Install 2" sch 80 pvc from blower to man holes                   | LF   | \$ 13.55     | \$ 5,420.00  |
| 400.0   | 154000 | Excavate and backfill trench for pvc installation                | LF   | \$ 10.25     | \$ 4,100.00  |
| 1.0   | 154000 | Install water service including backflow preventer and cage      | LS   | \$ 6,000.00  | \$ 6,000.00  |
| <b>Total - Division 15 - Mechanical</b>           |        |  |      |              | \$ 17,200.00 |
| 1.0   | 160001 | Install electrical service for Vapex, blower, and a/c            | LS   | \$ 1,845.00  | \$ 1,845.00  |
| <b>Total - Division 16 - Electrical</b>           |        |  |      |              | \$ 1,845.00  |

**EXHIBIT B (cont.)  
FEE SCHEDULE**

|                    |                                    |  |              |                   |
|--------------------|------------------------------------|--|--------------|-------------------|
| 01                 | Division 1 - General Requirements  |  | \$           | 5,110.00          |
| 02                 | Division 2 - Site Construction     |  | \$           | 1,600.00          |
| 03                 | Division 3 - Concrete              |  | \$           | 600.00            |
| 05                 | Division 5 - Steel                 |  | \$           | 1,500.00          |
| 13                 | Division 13 - Special Construction |  | \$           | 95,750.00         |
| 15                 | Division 15 - Mechanical           |  | \$           | 3,800.00          |
| 16                 | Division 16 - Electrical           |  | \$           | 1,440.00          |
| <b>Sub Total</b>   |                                    |  | <b>\$</b>    | <b>109,800.00</b> |
| <b>Coefficient</b> |                                    |  | <b>17.0%</b> | <b>\$</b>         |
| <b>Total</b>       |                                    |  | <b>\$</b>    | <b>128,466.00</b> |

**DIVISION BREAKDOWN**

| QUAN  | CSI    | Description  | Unit | \$ per Unit  | Total               |
|---|--------|--|------|--------------|---------------------|
| 24.0  | 013020 | Project Manager  | EA   | \$ 60.00     | \$ 1,440.00         |
| 64.0  | 013100 | Superintendent   | EA   | \$ 55.00     | \$ 3,520.00         |
| 1.0   | 015270 | Portable Toilet  | EA   | \$ 150.00    | \$ 150.00           |
| <b>Total - Division 1 - General Requirements</b>  |        |  |      |              | <b>\$ 5,110.00</b>  |
| 1.0   | 020500 | Saw cut and remove asphalt for electrical  | LS   | \$ 500.00    | \$ 500.00           |
| 4.0   | 022100 | Private detection services   | HRS  | \$ 150.00    | \$ 600.00           |
| 1.0   | 027400 | Asphalt Patching   | LS   | \$ 500.00    | \$ 500.00           |
| <b>Total - Division 2 - Site Construction</b>     |        |  |      |              | <b>\$ 1,600.00</b>  |
| 1.0   | 030001 | Concrete pad for fiberglass building   | LS   | \$ 600.00    | \$ 600.00           |
| <b>Total - Division 3 - Concrete</b>              |        |  |      |              | <b>\$ 600.00</b>    |
| 1.0   | 050001 | Supply, modify, and install GS-5 clamshell backflow cage   | LS   | \$ 1,500.00  | \$ 1,500.00         |
| <b>Total - Division 5 - Steel</b>                 |        |  |      |              | <b>\$ 1,500.00</b>  |
| 1.0   | 132200 | PSI contract to install V-1500 odor control unit   | LS   | \$ 75,000.00 | \$ 75,000.00        |
| 1.0   | 132200 | PSI contract to supply and install fiberglass enclosure with a/c                                       | LS   | \$ 7,000.00  | \$ 7,000.00         |
| 1.0   | 132200 | Estimated shipping for fiberglass building   | AL   | \$ 1,500.00  | \$ 1,500.00         |
| 1.0   | 132200 | PSI contract to install (2) aluminum man hole covers   | LS   | \$ 1,250.00  | \$ 1,250.00         |
| 1.0   | 132200 | PSI contract to install multi nozzle panel for Vapex   | LS   | \$ 11,000.00 | \$ 11,000.00        |
| <b>Total - Division 13 - Special Construction</b> |        |  |      |              | <b>\$ 95,750.00</b> |
| 1.0   | 154000 | Install water service and (2) 1 1/2" sch 80 pvc lines from (1) man hole to inside wall of lift station | LS   | \$ 3,800.00  | \$ 3,800.00         |
| <b>Total - Division 15 - Mechanical</b>           |        |  |      |              | <b>\$ 3,800.00</b>  |
| 1.0   | 160001 | Install electrical service for Vapex and a/c   | LS   | \$ 1,440.00  | \$ 1,440.00         |
| <b>Total - Division 16 - Electrical</b>           |        |  |      |              | <b>\$ 1,440.00</b>  |