

CONSTRUCTION SPECIFICATIONS

FOR

CONTRACT FCD 94-18  
54" and 12" Water Line Relocations Under  
the Old Cross Cut Canal

Prepared By:

Greiner, Inc.  
7310 North 16th Street  
Suite 160  
Phoenix, Arizona 85020



(Engineer's  
Seal)

Prepared For

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

Recommended By: Edward A. Raleigh Date: 6/29/94  
Edward A. Raleigh, P.E.  
Chief, Engineering Division

Issued for Public Bidding By: D. E. Sagramoso Date: 6/29/94  
D. E. Sagramoso, P.E.  
Interim Chief Engineer and General Manager

SUPPLEMENTARY TO MARICOPA ASSOCIATION OF GOVERNMENTS UNIFORM  
STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION EDITION OF  
1992 AND REVISIONS AND SUPPLEMENTS THERETO.

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**ATTENTION**

**ALL PROSPECTIVE BIDDERS**

A.R.S. Section 34-201 now requires that construction bid proposals be accompanied by a certified check, cashier's check or surety bond for ten percent (10%) of the total amount of the bid.

All bonds must be executed solely by a surety company or companies holding a Certificate of Authority to transact surety business in Arizona, issued by the Director of the (State) Department of Insurance.

Bonds (bid, payment and performance) executed by an individual surety or sureties are not in compliance with the Arizona Revised Statutes.

Bids received containing bid bonds not in compliance with the Arizona Revised Statutes will be considered as being non-responsive. The use of District-supplied bond forms is required.

Please submit your bids accordingly.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
FCD CONTRACT 94-18

54" and 12" Water Line Relocations Under  
the Old Cross Cut Canal

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(Area to left reserved for  
Engineer's Seal)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

INVITATION FOR BID

BID OPENING DATE: July 28, 1994

LOCATION:

This project is located in the City of Phoenix at 48th Street and Virginia Avenue on the Old Cross Cut Canal.

PROPOSED WORK:

This project provides for the relocation of an existing 54" water line and the installation of a new 12" water line. Both water lines cross under the Old Cross Cut Canal.

BIDS:

SEALED BIDS for the proposed work will be received by the Flood Control District of Maricopa County, 2801 West Durango Street, Phoenix, Arizona 85009 until 2:30 p.m. (Phoenix time) on the above date and then publicly opened and read at 2801 West Durango Street, Phoenix, Arizona 85009. All bids are to be marked in accordance with Section 102.9 of the MAG Uniform Standard Specifications and addressed to the Chief Engineer and General Manager, Flood Control District of Maricopa County, 2801 West Durango Street, Phoenix, Arizona 85009. No bids will be received after the time specified for bid opening. All bids must be submitted on proposal forms furnished by the Flood Control District and included in the Proposal Pamphlet. The Board of Directors reserves the right to reject any and all bids and to waive any informality in any bid received.

ELIGIBILITY OF CONTRACTOR:

It is the policy of the Flood Control District of Maricopa County to endeavor to ensure in every way possible that minority and women-owned business enterprises have every opportunity to participate in providing professional services, purchased goods, and contractual services without being discriminated against on the grounds of race, religion, sex, age, disability, or national origin.

The bidder shall be required to certify that it has the appropriate "A" Contractor's license in the State of Arizona to perform the before-mentioned type or work. Certification shall be on the form provided herein.

The bidder may be required to furnish an affidavit as evidence of previous satisfactory performance in the above-mentioned type of work.

CONTRACT TIME:

All work on this Contract is to be completed within **two hundred twenty (220) calendar days** after date of Notice to Proceed, subject to restrictions presented in the Supplementary General Conditions.

**MBE/WBE PARTICIPATION:**

For this contract, a goal of 10 (10%) percent MBE/WBE is established for Minority/Women-Owned Business Enterprises. Instructions and required forms are included in the Minority and Women-Owned Business Enterprise Program Contracting Requirements section. The Maricopa County minority and Women-Owned Business Enterprise Program, effective January 1, 1992, is incorporated by reference.

**PRE-BID CONFERENCE:**

A Pre-Bid conference will be held on July 20, 1994 at 1:00 p.m. in the Flood Control District New River/Harquahala Conference Room, 2801 West Durango Street, Phoenix, Arizona. It is in the best interest of prospective bidders to attend the Pre-bid Conference.

Questions or items for clarification may be addressed to the Chief, Contracting Branch, in writing, at least ten (10) days prior to bid opening date. Where appropriate, any answers or clarifications affecting the cost may be addressed to all bidders in an addendum. Verbal interpretations, unless specifically addressed by addendum, shall not be binding nor have any legal effect.

**PROJECT PLANS, SPECIAL PROVISIONS AND CONTRACT DOCUMENTS:**

Plans and Construction Specifications may be obtained from the Flood Control District of Maricopa County, 2801 West Durango Street, Phoenix, Arizona 85009 upon payment of \$12.50 by check, payable to the FLOOD CONTROL DISTRICT OF MARICOPA COUNTY. This payment will not be refunded. Mail orders for project documents must include an additional \$7.50 for first class U.S. postage and handling. The total \$20.00 will not be refunded. Regardless of circumstances, we cannot guarantee mail delivery. Each bid must be refunded. Regardless of circumstances, we cannot guarantee mail delivery. Each bid must be accompanied by a Bid Bond, cashier's or certified check or postal money Order equal to 10 percent (10%) of the bid, made payable to the FLOOD CONTROL DISTRICT OF MARICOPA COUNTY as a guarantee that if the work is awarded to the bidder, the bidder will within ten (10) days of receipt of the Proposal Acceptance, enter into proper contract and bond condition for the faithful performance of the work, otherwise, said amount may be forfeited to the said BOARD OF DIRECTORS as liquidated damages.

\*\*\*\*\*

PRINCIPLE ITEMS AND APPROXIMATE QUANTITIES

QUANTITY	UNIT	DESCRIPTION
95	LF	54" Water Line
145	LF	12" Water Line

PROPOSAL

TO THE BOARD OF DIRECTORS  
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
PHOENIX, ARIZONA

Gentlemen:

The following Proposal is made for constructing the 54" and 12" Water Line Relocations under the Old Cross Cut Canal, FCD 94-18, in the County of Maricopa, State of Arizona.

The following Proposal is made on behalf of

---

and no others. Evidence of authority to submit the Proposal is herewith furnished. The Proposal is in all respects fair and is made without collusion on the part of any person, firm, or corporation mentioned above, and no member or employee of the Board of Directors is personally or financially interested, directly or indirectly, in the Proposal, or in any purchase or sale of any materials or supplies for the work in which it relates, or in any portion of the profits thereof.

The Undersigned certifies that the approved Plans, Supplementary General Conditions, Special Provisions, Forms of Contract, Bonds, and Sureties authorized by the Board of Directors and constituting essential parts of the Proposal, have been carefully examined and also that the site the work has been personally inspected.

The Undersigned declares that the amount and nature of the work to be done is understood and that at no time will misunderstanding of the Plans, Construction Specifications, Special Provisions, Supplementary General Conditions, or conditions to be overcome, be pled. On the basis of the Plans, Construction Specifications, Special Provisions, Supplementary General Conditions, the Forms of Contract, Bonds, and Sureties proposed for use, the Undersigned proposes to furnish all the necessary machinery, equipment, tools, apparatus, and other means of construction, to do all the work and to furnish all the materials in the manner specified and to finish the entire project within the time hereinafter proposed and to accept, as full compensation therefore, the sum of various products obtained by multiplying each unit price, herein bid for the work or materials, by the quantity thereof actually incorporated in the complete project, as determined by the Engineer or Architect.

The Undersigned understands that the quantities mentions herein are approximate only and are subject to increase or decrease and hereby proposes to perform all quantities of work, as either increase or decreased, in accordance with the provisions of the Specifications, at the unit price bid in the Bidding Schedule.

The Undersigned further proposes to perform all extra work that may be required on the basis provided in the Specifications and to give such work personal attention and to secure economical performance.

The Undersigned further proposes to execute the Contract Agreement and furnish satisfactory Bonds and Sureties within ten (10) days of receipt of Notice of Proposal acceptance, **TIME BEING OF THE ESSENCE**. The Undersigned further proposes to begin work as specified in the Contract attached hereto, and to complete the work within **two hundred twenty (220) calendar days, subject to restrictions presented in the Supplementary General Conditions**, from the effective date specified in the Notice to Proceed, and maintain at all times a Payment and Performance Bond, approved by the Board of Directors, each in an amount equal to one hundred percent of the contract amount. This Bond shall serve not only to guarantee the completion of the work on the part of the Undersigned, but also to guarantee the excellence of both workmanship and material and the payment of all obligations incurred, said Bonds and Sureties to be in full force and effect until the work is finally accepted and the provisions of the Plans, Specifications, and Special Provisions fulfilled.

A proposal Guaranty in the amount and character named in the Invitation to Bid is enclosed amounting to not less than ten (10) percent of the total bid, which Proposal Guaranty is submitted as a guaranty of the good faith of the Bidder and the Bidder will enter into written contract, as provided, to do the work, if successful in securing the award thereof; and it is hereby agreed that if at any time other than as provided in the Proposal requirements and conditions the Undersigned should withdraw its Proposal, if the Proposal is accepted and there should be failure on the part of the Undersigned to execute the Contract and furnish satisfactory Bonds and Sureties as herein provided, the Flood Control District of Maricopa County in either of such evens, shall be entitled and is hereby given the right to retain the said Proposal Guaranty as liquidated damages.

The Undersigned acknowledges receipt of the following addenda, attached these to the bid package, and has included their provisions in the proposal:

Addendum No. _____	Dated _____

The Undersigned has enclosed the required bid security to this Proposal.

BIDDING SCHEDULE

PROJECT: 54" and 12" Water Line Relocations, Old Cross Cut Canal

CONTRACT: FCD 94-18

ITEM NO	DESCRIPTION	APPROX QTY	UNIT	UNIT COST(IN WRITING) AND/100 DOLLARS	UNIT COST NUMBERS	EXTENDED AMOUNT
107-1	NPDES/SWPPP Permits	L.S.	1			
107-2	Preparation of Health & Safety Plan	L.S.	1			
107-3	Implementation of Health and Safety Plan	L.S.	1			
107-4	Disposal of Contaminated Soils	C.Y.	100			
107-5	Ground Water Dewatering	L.S.	1			
336	Pavement Replacement	S.Y.	190			
350	Miscellaneous Removal of Existing Improvements	L.S.	1			
401	Traffic Control	L.S.	1			
505-1	Concrete Encasement for 12" Water line MAG Det. 402	L.F.	44			
505-2	Concrete Encasement for 54" Water line MAG Det. 402	L.F.	44			
505-3	Concrete Encasement for 54" Water Line Fittings	L.F.	30			
505-4	Concrete Encasement for 12" Water Line MAG Det. 404	L.F.	14			
505-5	Concrete Encasement for 54" Water Line MAG Det. 404	L.F.	14			
505-6	Concrete Encasement for 15" Sanitary Sewer MAG Det. 404	L.F.	30			
505-7	Concrete Canal Lining	S.Y.	280			
610-1	12" Water Line Relocation	L.F.	145			
610-2	54" Water Line Relocation	L.F.	95			
610-3	Retrofit Restrained Joints on Existing 54" Water Line	EA.	8			

TOTAL ESTIMATED CONSTRUCTION COST: \_\_\_\_\_

**IF BY AN INDIVIDUAL:**

\_\_\_\_\_  
(Name - Title)

\_\_\_\_\_  
(Address)

\_\_\_\_\_  
(Date)

Phone: \_\_\_\_\_

**IF BY A FIRM OR PARTNERSHIP:**

\_\_\_\_\_  
(Firm Name)

\_\_\_\_\_  
(Firm Address)

By: \_\_\_\_\_  
(Name - Title)

Phone: \_\_\_\_\_

Date: \_\_\_\_\_

\*\* Name and Address of Each Member:

_____	_____
_____	_____
_____	_____

\*\* The Name and Post Office Address of Each Member of the Firm or Partnership Must be Shown.

**IF BY A CORPORATION:**

\_\_\_\_\_  
(Corporate Name)

\_\_\_\_\_  
(Corporation Address)

By: \_\_\_\_\_

Phone: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

\* Incorporated under the Laws of the State of Arizona Names and Addresses of Officers:

\_\_\_\_\_  
(President)

\_\_\_\_\_  
(Address)

\_\_\_\_\_  
(Secretary)

\_\_\_\_\_  
(Address)

\_\_\_\_\_  
(Treasurer)

\_\_\_\_\_  
(Address)

\* The Name of the State Under Which the Laws of the Corporation was Chartered and Names, Title, and Business Address of the President, Secretary, and Treasurer Must be Shown.

**SUBCONTRACTOR LISTING**

As required in Section 102.6 of the Supplementary General Conditions, the following is a listing of Subcontractors and material suppliers that are to be used in the event the undersigned should enter into contract with the Owner. No change in the subcontractors and material suppliers listed will be made without prior written approval of the Owner.

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\_\_\_\_\_  
(Signature)

SURETY BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, \_\_\_\_\_, as Principal, (hereinafter called the Principal), and the \_\_\_\_\_, a corporation duly organized under the laws of the State of \_\_\_\_\_, as Surety, (hereinafter called the Surety), are held and firmly bound unto the Flood Control District of Maricopa County as Obligee, in the sum of **ten percent (10%)** of the total amount of the bid of Principal, submitted by him to the Flood Control District of Maricopa County, for the work described below, for the payment of which sum, well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, and administrators, successors and assigns, jointly and severally, firmly by these presents, and in conformance with the Arizona Revised Statutes.

WHEREAS, the said Principal is herewith submitting its proposal for **FCD 94-18, 54" and 12" Water Line Relocations under the Old Cross Cut Canal.**

NOW, THEREFORE, if the Flood Control District of Maricopa County shall accept the proposal of the Principal and the Principal shall enter into a contract with the Flood Control District of Maricopa County in accordance with the terms of the proposal and give the Bonds and Certificates of Insurance as specified in the Standard Specifications with good and sufficient Surety for the faithful performance of the contract and for the prompt payment of labor and material furnished in the prosecution of the contract, or in the event of the failure of the Principal to enter into the contract and give such Bond and Certificate of Insurance, if the Principal pays to the Flood Control District of Maricopa County the difference not to exceed the penalty of the bond between the amount specified in the proposal and such larger amount for which the Flood Control District of Maricopa County may in good faith contract with another party to perform the work covered by the proposal then this obligation is void. Otherwise it remains in full force and effect, provided, however, that this bond is executed pursuant to the provisions of Section 34-201, Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with the provisions of the section to the extent as if it were copied at length herein.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, A.D., 1994.

\_\_\_\_\_  
Agency of Record, State of Arizona

\_\_\_\_\_  
Principal

\_\_\_\_\_  
Agency Address

By: \_\_\_\_\_

Title: \_\_\_\_\_

\_\_\_\_\_  
Surety

By: \_\_\_\_\_

Title: \_\_\_\_\_

Bond Number: \_\_\_\_\_ ATTACH SURETY POWER OF ATTORNEY

AFFIDAVIT BY CONTRACTOR  
CERTIFYING THAT THERE WAS NO COLLUSION  
IN BIDDING FOR CONTRACT

STATE OF ARIZONA            )  
                                  )SS  
County of Maricopa        )

\_\_\_\_\_ being first duly sworn, deposes and says:  
That he/she is \_\_\_\_\_ of \_\_\_\_\_ bidding  
on Contract FCD 94-18 for construction of the 54" and 12" Water Lines  
under the Old Cross Cut Canal, in the County of Maricopa, State of  
Arizona.

That, in connection with the above-mentioned project, neither he/she,  
nor anyone associated with the aforesaid business, has, directly or  
indirectly, participated in any collusion, entered into any contract,  
combination, conspiracy or other act in restraint of trade or commerce  
in violation of the provisions of A.R.S. Section 34-251, Article 4, as  
amended.

\_\_\_\_\_  
(Signature of Affiant)

Subscribed and sworn to before me this \_\_\_\_ day of \_\_\_\_\_, 1994.

\_\_\_\_\_  
(Notary Public)

\_\_\_\_\_  
My Commission Expires

CERTIFICATION OF LICENSE

Pursuant to A.R.S. Section 32-1169, I hereby state that I hold a current contractor's license, duly issued by the office of the Registrar of Contractors for the State of Arizona, said license has not been revoked, that the license number is:\_\_\_\_\_ that my privilege license number (as required by A.R.S. Section 42-1305) is:\_\_\_\_\_; and that, if any exemption to the above licensing requirements is claimed;

(1) The basis for the claimed exemption is:\_\_\_\_\_ and;

(2) The name(s) and license number(s) of any general, mechanical, electrical, or plumbing contractor(s) to be employed on the work are:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

IT IS UNDERSTOOD THAT THE FILING OF AN APPLICATION CONTAINING FALSE OR INCORRECT INFORMATION CONCERNING AN APPLICANT'S CONTRACTOR'S LICENSE OR PRIVILEGE LICENSE WITH THE INTENT TO VOID SUCH LICENSING REQUIREMENTS IS UNSWORN FALSIFICATION PUNISHABLE ACCORDING TO A.R.S. SECTION 13-2704.

\_\_\_\_\_  
Signature of Licensee

Date:\_\_\_\_\_

Company:\_\_\_\_\_

**MINORITY AND WOMEN-OWNED BUSINESS ENTERPRISE PROGRAM  
CONSTRUCTION CONTRACTING REQUIREMENTS**

A. The following conditions will apply in the calculations of the percentage attainment:

1. All M/WBE firms used in attainment of the goal must be certified with the Maricopa County Minority Business Office (MBO). The MBO is located at 2901 West Durango Street, Phoenix, Arizona 85009, telephone 506-4068. In addition, only those firms certified prior to the bid opening will be considered in the attainment of the goal.
2. Prime contractor subcontracts to MBE or WBE:  
The M/WBE amount to be applied to the goal will be based on that portion (dollar value) of the contract that the M/WBE performs. For example, if a prime contractor subcontracts work amounting to \$100,000 of a contract for which the total project cost is \$1,000,000 the M/WBE participation will be credited as 10 percent.
3. Prime Minority Contractor:  
An M/WBE prime contractor will be credited with the M/WBE participation for that portion of the contract which they themselves perform plus that portion subcontracted to other M/WBE firms. For example, if an M/WBE prime contractor proposes to perform 50 percent of a project quoted as \$1,000,000 and subcontracts 25 percent to an MBE firm and 25 percent to a non-M/WBE firm, M/WBE participation will be credited as 75 percent, or \$750,000.
4. Minority-Non Minority Joint Venture:  
A joint venture consisting of M/WBE participation and non-M/WBE business enterprises, functioning as a prime contractor, will be credited with minority participation on the basis of the percentage of profit accruing to the M/WBE firm. For example, if a M/WBE and non-M/WBE joint venture proposes to perform 50 percent of a \$1,000,000 project and 50 percent of the joint venture profits (\$500,000) are to accrue to the M/WBE partner in the joint venture, M/WBE participation will be credited at 25 percent or \$250,000.
5. Lower Tier Non-M/WBE Participation:  
M/WBE subcontractors proposing to further subcontract to non-M/WBE contractors shall not have that portion of subcontracting activity considered when determining the percentage of M/WBE participation.
6. M/WBE Suppliers:  
Any M/WBE supplier that performs a commercially useful function, manufactures or substantially alters the material or product it supplies will have that portion of activity considered when determining the percentage of M/WBE participation.

7. M/WBE Trucking:  
Credit for trucking by MBEs or WBEs will be the amount to be paid when the MBE or WBE trucker will perform the trucking with his/her trucks, tractors, and employees or when a MBE or WBE trucking broker has signed agreements with MBE and WBE truckers.

B. Required forms:

**Two Affidavits are included as part of this section.** The first form, the "M/WBE Assurances Affidavit", must be completed and submitted with the bid - **FAILURE TO DO SO SHALL BE CAUSE FOR REJECTION OF THE BID.**

A SAMPLE of the "Actual M/WBE Participation Affidavit", that must be completed and returned by the first and second bidders to the Minority Business Office by 4:00 p.m. on the seventh calendar day after bid opening, if M/WBE goals have been established, is provided for information purposes. A copy of the sample or the sample form itself may also be used. The affidavit will list the M/WBE participation by M/WBE firm name and the relative dollar value of the M/WBE contract. The information in this affidavit is binding on the contractor, to the extent that any amounts may be increased and not decreased, and that if any listed M/WBE's are unable to enter into a subcontract with contractor, the contractor **must** provide a written report to the Procurement Officer, through the Owner's representative in accordance with instructions provided elsewhere in this document.

C. Good Faith Efforts:

Bids which fail to meet MBE or WBE minimum goals at levels which equal or exceed established goals may be considered nonresponsive unless good faith efforts can be determined. Only MBE and WBE firms certified by Maricopa County prior to the bid submittal date, and which will perform a commercially useful function will be counted toward meeting the participation goals. Any portion of the work that a proposed MBE or WBE firm will subcontract to other than a certified firm, regardless of tier, will not be counted toward the applicable goals.

The apparent first and second low bidders who do not fulfill the established MBE and WBE goals must demonstrate, through detailed and comprehensive documentation, that "good faith" efforts have been made to solicit, assist and utilize MBE and WBE firms to meet participation goals.

The County minority Business Office (MBO) will assist prime contractors in identifying possible qualified and interested MBE and WBE subcontractors to meet designated MBE and WBE goals. **A M/WBE listing will be furnished with the bidding documents**, which contractors must utilize in identifying M/WBE firms. It will be the responsibility of the prime contractors to obtain the MBE and WBE firms necessary to meet the MBE and WBE goals.

FAILURE TO CONTACT THE MBO FOR ASSISTANCE IN COMPLYING WITH THESE GOALS MAY RESULT IN NOT HAVING IMPLEMENTED "GOOD FAITH" EFFORTS. Contact may be in writing, by telephone, or in person. If by phone or in person, name of MBO person spoken to should be obtained and written within the "CONTRACTOR CERTIFICATE OF GOOD FAITH" SUBMITTAL FORM (supplied if a contract has M/WBE goals).

**(The Minority Business Office is located at 2901 West Durango Street, Phoenix, Arizona. Telephone number is 506-4068.**

FAILURE TO IMPLEMENT "GOOD FAITH" EFFORTS IN ACCORDANCE WITH THE MARICOPA COUNTY MINORITY BUSINESS ENTERPRISE PROGRAM TO THE SATISFACTION OF MARICOPA COUNTY MAY RESULT IN THE REJECTION OF THE BID.

If information submitted by a prime contractor indicates that established MBE and WBE goals have not been met, the contractor must be required to provide sufficient documentation to demonstrate that he/she has complied with MBE and WBE requirements or good faith efforts. Good faith efforts will be determined by both quality and intensity of these efforts. Documentation provided to the MBO must include:

1. The date bidder requested assistance in writing, in person, or by telephone from the MBO. The bidder should request assistance from the MBO office in order for a determination to be made. **As Maricopa County M/WBE listings are updated frequently, bidders shall contact the MBO to ensure that they have the most recent edition.**
2. Names, addresses and telephone numbers; and dates of notification of Maricopa County certified MBEs and WBEs solicited by direct mail for this project; and dates and methods used for follow up of initial solicitations to determine with certainty whether MBEs or WBEs were interested in subcontracting. (SEE FOLLOWING NOTE).
3. Items of work for which bidder requested subbids, proposals or materials to be supplied by MBEs and WBEs; information furnished to interested MBEs and WBEs such as specifications and requirements of the work; plans; and any breakdown of items of work into economically feasible units to facilitate MBE and WBE participation.
4. Names of MBEs and WBEs who submitted bids for any of the work indicated above and were not accepted by the prime contractor. An explanation of why MBEs or WBEs contacted will not be awarded subcontracts. If price was the reason for rejection of the bid, the price bid of rejected MBEs or WBEs and price bid of the selected subcontractor shall be submitted. Since utilization of available MBEs and WBEs is the program objective, price differences will not automatically be considered as cause for a prime contractor's rejection of MBE and WBE bids.

5. Documentation of written notices or telephone calls to a reasonable number of M/WBES soliciting their participation in sufficient time to allow M/WBES to participate effectively. All M/WBES listed on the Maricopa County Certification list which provide applicable goods and services for subject procurement/project should be contacted.

NOTE: THE ABOVE GOOD FAITH EFFORTS MUST HAVE BEEN CONDUCTED DURING THE BIDDING PERIOD AND PRIOR TO THE BID OPENING WITH SUBSTANTIAL TIME IN ORDER TO ALLOW FOR A RESPONSE FROM POTENTIAL M/WBE SUBCONTRACTORS. ORIGINAL CONTACT BY A PRIME CONTRACTOR JUST PRIOR TO OR ON THE BID OPENING WILL NOT BE CONSTRUED AS HAVING PROVIDED SUFFICIENT RESPONSE TIME FOR SUBMISSION OF SUBCONTRACT BIDS.

The following efforts can also be utilized in demonstrating "Good Faith" in soliciting M/WBE participation.

1. A description of the efforts made to assist MBEs and WBES whose bids were rejected to be more competitive in their subcontracting bids. These efforts could include assistance in meeting bonding or insurance requirements.

2. Names and dates of advertisement of each newspaper, trade paper, and minority focus paper in which a request for MBE and WBE participation for this project was placed by the bidder.

Contractors are encouraged to seek M/WBES in the same geographical area in which the work is to be performed or goods provided. If the bidder cannot meet the established goals using M/WBES from the geographical area, the bidder should expand its search to a reasonable wider geographical area.

The MBO will make the final decision as to whether good faith efforts were met, based on the information submitted.

D. Appeal Process for Bid Award:

If the Owner is considering award of a contract to a bidder other than the low bidder because of failure to meet MBE and WBE participation goals or good faith efforts, the low bidder will be notified and given an opportunity to protest the decision. This protest will be made in accordance with the Maricopa County Procurement Code, Article 9, MCI-905, which is incorporated by reference.

E. Contract Compliance:

Failure of any bidder, contractor or subcontractor to comply with any of the requirements of the Maricopa County minority and Women-Owned Business Program shall be a material breach of contract. During the term of an awarded contract, the prime contractor shall:

1. Fulfill the MBE and WBE participation commitments submitted with their bid;
2. Continue to make every effort to utilize MBEs and WBEs;
3. Require that their subcontractors make every effort to utilize MBEs and WBEs;
4. Maintain records necessary for monitoring their compliance with provisions contained in the M/WBE Program.

The primary responsibility for assuring contractor's compliance with these M/WBE contract requirements after award rests with the Owner's designated representative. The Owner's designated representative should ascertain that no one other than the approved MBE or WBE contractors or subcontractors are performing the work, and that MBE and WBE subcontractor substitutes have been approved in advance. The prime contractor shall not perform any MBE or WBE contract work items without prior approval by the Owner's Procurement Officer, through the Owner's designated representative.

The Owner's Procurement Office shall advise the Minority Business Office immediately of any circumstances where a contractor appears to be in violation of the MBE and WBE contract requirements. An investigation will be held by the MBO and a recommendation for corrective action shall be forwarded to the Owner's Procurement Officer. Intentional noncompliance with the MBE and WBE requirements may result in withholding funds on the items already completed, in termination of the contract, and/or formal debarment from future contracts. The Maricopa County Minority Business Office reserves the right to inspect all records of the contractor, MBEs and WBEs concerning this project.

The MBO will conduct MBE and WBE compliance reviews on a regular basis.

F. Substitution of Subcontractors:

The prime contractor shall request approval to replace an approved MBE or WBE subcontractor that is unable or unwilling to perform successfully on a contract with another MBE or WBE. This failure does not remove the contractor's responsibility for meeting the MBE and WBE participation goals on the contract. A written request for substitution must be made to the Owner's Procurement Officer, through the designated Owner's representative, of the Procurement Agency. The substitute MBE or WBE, obtained to perform an equal or greater dollar value of work, must be approved by the Owner's Procurement Officer, through the designated Owner's representative, prior to beginning of any work by the substitute MBE or WBE. The request for substitution must include, but is not limited to the following:

1. Reason for substitution.
2. Name, address, and telephone number of the approved MBE or WBE.
3. Name, address and telephone number of the MBE or WBE substitute.
4. Item, numbers, description of work and the proposed MBE and/or WBE dollar amount.
5. Good faith effort documentation if the substitute subcontractor is not an MBE or WBE.

G. Requests for Pay:

Each Request for Pay must be accompanied by a Maricopa County Minority/Women-Owned Business Enterprise Program "MBE/WBE PARTICIPATION REPORT" in the form as provided by the Flood Control District of Maricopa County.

The final pay request shall include a listing of total contract MBE/WBE participation. Line numbers and a description of actual work performed shall also be included. If, at the time of contract completion, the MBE and WBE commitments are not actually attained, the report is to provide an explanation of failure to comply. These reports shall be submitted within thirty (30) days of contract completion, PRIOR TO RELEASE OF ANY REMAINING CONTRACT RETENTION.

**CONTRACTOR CERTIFICATE OF GOOD FAITH\***

The intent of this certification is to document the good faith efforts implemented by the apparent low bidder in soliciting and utilizing M/WBE firms to meet the established M/WBE goals for County contracts. This certificate will assist Maricopa County in determining whether the apparent low bidder has implemented "good faith" efforts in accordance with the Maricopa County Minority Business Program. The burden of proof rests with the apparent low bidder.

(NOTE: Prior to filling out this certificate it is important that contractors review the "good faith" efforts requirements in the M/WBE section of the project specification booklet).

Failure to implement "good faith" efforts to the satisfaction of Maricopa County will result in rejection of the proposal.

I, \_\_\_\_\_, do hereby acknowledge that I am the \_\_\_\_\_ of who has been identified as the selected contractor on Flood Control District Project/Contract FCD 94-18.

Provide a brief summary of why the established M/WBE goal for this project has not been met. (Attach additional sheets if necessary).

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I hereby certify that I have made comprehensive "good faith" efforts to solicit and utilize County certified M/WBEs to meet the established M/WBE goal of this project as demonstrated by my responses to the following questions:

**A. IDENTIFYING SUBCONTRACTOR WORK ITEMS**

Contractors are encouraged to select portions of work to be subcontracted in a manner which will increase the likelihood of meeting the established M/WBE goal for the project. In selecting work to be performed, contractors will consider, where appropriate, breaking down the project into economically feasible units to facilitate M/WBE participation. Contractors are reminded that only M/WBE certified by the County can be used as participants towards meeting the project goals. A County M/WBE Certification listing will be provided to all contractors interested in submitting bids for projects. This listing is the only authorized source from which to select M/WBEs for project participation. Current copies of this listing may be obtained by calling the Minority Business Office at (602) 506-4068.

1. Which portions of the contract proposal, in terms of the nature of the work were selected to be subcontracted to M/WBE firms?

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**B. NOTIFYING M/WBE FIRMS OR CONTRACTING OPPORTUNITIES**

1. Solicitations by mail/fax must be made to all M/WBE firms identified on the M/WBE Certification Listing that perform the type of work which is proposed for subcontracting. Following this initial solicitation, at least one follow-up telephone call must be made to any of the M/WBE firms who have not responded to the mailing.

2. In the spaces provided below, indicate which firms received written notification of work items to be subcontracted. In the appropriate space, also indicate when the M/WBE firms received subsequent telephone solicitations. Please attach additional sheets so that all firms contacted are listed and attach photo copies of all written/fax solicitations to M/WBES to this documentation.

M/WBE Firm Contacted	Name	Tel. No.	Date
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

3. Were the services of the County Minority Business Office used to assist the contractor in the recruitment of M/WBES or to assist in solving other problems? Yes \_\_\_\_\_ No \_\_\_\_\_

Contact was made by \_\_\_\_\_ Telephone \_\_\_\_\_

Written correspondence \_\_\_\_\_ Date contacted \_\_\_\_\_

Staff person contacted \_\_\_\_\_

**C. PROVIDING M/WBES WITH ASSISTANCE**

1. Explain any efforts undertaken to provide M/WBES with information regarding project plans, specifications and requirements of the project:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Describe any efforts initiated to provide special assistance to M/WBE firms interested in participating in this project:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Describe any efforts undertaken to assist M/WBE firms in obtaining bonding, lines of credit, or insurance required by the County for this project:

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4. Was solicitation for M/WBEs advertised in local papers, ethnic periodicals, or trade journals? If YES, please list the name of the periodical and dates advertised.

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**D. SOLICITING QUOTES FROM M/WBE FIRMS**

Contractors must solicit quotes in good faith with interested M/WBE firms. Quotes and bids from interested M/WBEs must not be rejected by bidders without sound justification based upon a thorough investigation of the capabilities of the M/WBE firms.

1. Indicate in the space provided below, which M/WBE firms submitted quotes on the project proposal. Also provide a brief explanation of why any of these M/WBE quotes were rejected. If price was a determining factor, provide documentation showing the non-minority quotes. Please attach additional sheets if necessary.

Name of M/WBE Firm	Explanation for rejecting quote
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\* To be included in contract documents or those procurements which have M/WBE contract goals.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
MINORITY/WOMEN-OWNED BUSINESS ENTERPRISE PROGRAM  
MBE/WBE ASSURANCES AFFIDAVIT

NOTE: FAILURE TO COMPLETE AND SUBMIT THIS AFFIDAVIT WITH THE BID PROPOSAL SHALL BE CAUSE FOR REJECTION OF THE BID.

The undersigned, fully cognizant of the Flood Control District of Maricopa County MBE/WBE Program requirements and of the goal established, hereby certifies that in the preparation of this bid,

\_\_\_\_\_  
(the entity submitting the bid)

(CHECK ONE)

\_\_\_\_\_ Will meet the **established** goal for participation by Minority/Women-Owned Business Enterprises.

\_\_\_\_\_ Will provide the necessary documentation to Minority Business Office to establish that a good faith effort was made.

The first and second low bidders will specify their MBE/WBE participation on the Actual Participation Affidavit or provide documentation of their good faith efforts not later than 4:00 p.m., the seventh calendar day following the bid opening. If participation is "None", the documentation of bidder's good faith efforts to obtain the participation. This documentation will be reviewed by the MBO to determine whether in fact a comprehensive "good faith" effort has been implemented. The required affidavit shall be obtained by the apparent first and second low bidders from the Minority Business Office, 2901 West Durango Street, Phoenix, Arizona 85009, Telephone 506-4068, following the bid opening and verbal notification from the Procurement Officer of the Procurement Agency; a SAMPLE affidavit form for reference purposes follows.

\_\_\_\_\_  
Name of Firm

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

STATE OF ARIZONA    )  
                          )ss  
County of Maricopa )

Subscribed and sworn to before me this \_\_\_\_ day of \_\_\_\_\_, 199\_\_.

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

**FLOOD CONTROL DISTRICT OF MARICOPA COUNTY**  
**MINORITY/WOMEN OWNED BUSINESS ENTERPRISE PROGRAM**  
**ACTUAL MBE/WBE PARTICIPATION AFFIDAVIT**  
 (NOTE: COMPLETED AFFIDAVIT MUST BE SUBMITTED WITHIN SEVEN CALENDAR DAYS  
 FOLLOWING THE BID OPENING).

\_\_\_\_\_  
 Name of Contractor

Project/Contract Number FCD 94-18  
 Contract M/WBE Goal: 10 %

Total Amount of Contract \_\_\_\_\_

\_\_\_\_\_  
 Contact Person

\_\_\_\_\_  
 Street No.

\_\_\_\_\_  
 City State Zip

<u>Minority/Women Owned Firm</u>	<u>Principal</u>	<u>Address</u>	<u>Type of Work</u>	<u>Proposed Contract Percentage</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

TOTALS (Dollars/Percentage) \_\_\_\_\_

The undersigned has entered into a formal agreement with the MBE/WBE subconsultants/subcontractors /suppliers listed above, in the execution of this contract with Maricopa County.

\_\_\_\_\_  
 Signature

\_\_\_\_\_  
 Title

\_\_\_\_\_  
 Date

STATE OF ARIZONA    }  
                               }ss  
 County of Maricopa    }

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ by \_\_\_\_\_  
 Notary Public

My commission Expires: \_\_\_\_\_

MARICOPA COUNTY  
MINORITY/WOMEN-OWNED BUSINESS ENTERPRISES PROGRAM

MBE/WBE PARTICIPATION REPORT  
(To be attached with Request for Pay)

Date: \_\_\_\_\_  
Contractor: \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone: \_\_\_\_\_

Project: Old Cross Cut Canal Relocations  
Contract Number: FCD 94-18  
For Pay Period of: \_\_\_\_\_

Subcontractor: \_\_\_\_\_  
Person to Contact: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone Number: \_\_\_\_\_

Type of Firm: \_\_\_\_\_  
Class of Work: \_\_\_\_\_

Subcontract Amount: \_\_\_\_\_  
Amount Earned: \_\_\_\_\_  
(Commission) This Period: \_\_\_\_\_

Total Earned by This Subcontractor: \_\_\_\_\_  
Total MBE/WBE Contract Goal, %: 10%  
Total Cumulative MBE/WBE: \_\_\_\_\_

Participation on This Contract, %: \_\_\_\_\_  
MBE/WBE subcontract payment made  
during this reporting period (yes or no): \_\_\_\_\_

Copy to: Minority Business Office  
2901 West Durango Street  
Phoenix, Arizona 85009

**CONTRACT AGREEMENT**

THIS AGREEMENT, made and entered into this \_\_\_\_ day of \_\_\_\_\_, 1994 by and between the FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, hereinafter called the OWNER, acting by and through its BOARD OF DIRECTORS, and \_\_\_\_\_, hereinafter called the CONTRACTOR.

WITNESSETH: That the said CONTRACTOR, for and in the consideration of the sum of \_\_\_\_\_ (\$ \_\_\_\_\_) to be paid to him by the OWNER, in the manner and at the times hereinafter provided, and of the other covenants and agreements herein contained, hereby agrees for himself, heirs, executors, administrators, successors, and assigns as follows:

ARTICLE I - SCOPE OF WORK: THE CONTRACTOR shall construct, and complete in a workmanlike and substantial manner and to the satisfaction of the Chief Engineer and General Manager, a project for the Flood Control District of Maricopa County, designated as Contract FCD 94-18, and furnish at its own cost and expense all necessary machinery, equipment, tools, apparatus, materials, and labor to complete the work in the most substantial and workmanlike manner according to the Plans and Construction Specifications on file with the Flood Control District of Maricopa County, 2801 West Durango Street, Phoenix, Arizona, and such modifications of the same and other directions that may be made by the Flood Control District of Maricopa County as provided herein.

ARTICLE II - CONTRACT DOCUMENTS: The Construction Specifications (Invitation to Bid, Plans, Standard Specifications and Details, Supplementary General Conditions, Special Provisions, Addenda, if any, Proposal, Affidavits, Performance Bond, Payment Bond, Certificates of Insurance, and Change Orders, if any, are by this reference made a part of this Contract and shall have the same effect as though all of the same were fully inserted herein.

ARTICLE III - TIME OF COMPLETION: The CONTRACTOR further covenants and agrees at its own proper cost and expense, to do all work as aforesaid for the construction of said improvements and to completely construct the same and install the material therein, as called for by this agreement free and clear of all claims, liens, and charges whatsoever, in the manner and under the conditions specified within the time, or times, stated in the proposal pamphlet.

ARTICLE IV - PAYMENTS: For and in consideration of the faithful performance of the work herein embraced as set forth in the Contract Documents, which are a part hereof and in accordance with the directions of the OWNER, through its Engineer and to its satisfaction, the OWNER agrees to pay the said CONTRACTOR the amount earned, computed from actual quantities of work performed and accepted or materials furnished at the unit bid price on the Proposal made a part hereof, and to make such payment in accordance with the requirements of A.R.S. Section 34-221, as amended. The CONTRACTOR agrees to discharge its obligations and make payments to its subcontractors and suppliers in accordance with A.R.S. Section 34-221.

ARTICLE V - TERMINATION: The OWNER hereby gives notice that pursuant to A.R.S. Section 38-511(A) this contract may be cancelled without penalty or further obligation within three years after execution if any person significantly involved in initiation, negotiation, securing, drafting or creating a contract on behalf of the OWNER is, at any time while the contract or any extension of the contract is in effect, an employer agent of any other party to the contract in any capacity or a consultant to any other party of the contract with respect to the subject matter of the contract. Cancellation under this section shall be effective when written notice from the Chief Engineer and General Manager of the OWNER is received by all of the parties to the contract. In addition, the OWNER may recoup any fee for commission paid or due to any person significantly involved in initiation, negotiation, securing, drafting or creating the contract on behalf of the OWNER from any other party to the contract arising as a result of the contract.

ARTICLE VI - NEGOTIATION CLAUSE: Recovery of damages related to expenses incurred by the CONTRACTOR for a delay for which the OWNER is responsible, which is unreasonable under the circumstances and which was not within the contemplation of the parties to the contract, shall be negotiated between the CONTRACTOR and the OWNER. This provision shall be construed so as to give full effect to any provision in the contract which requires notice of delays, provides for arbitration or other procedure for settlement or provides for liquidated damages.

ARTICLE VII - COMPLIANCE WITH LAWS: The CONTRACTOR is required to comply with all Federal, State and local ordinances and regulation. The CONTRACTOR's signature on this contract certifies compliance with the provisions of the I-9 requirements of the Immigration Reform Control Act of 1986 for all personnel that the CONTRACTOR and any subcontractors employ to complete this project. It is understood that the OWNER shall conduct itself in accordance with the provisions of the Maricopa County Procurement Code.

ARTICLE VIII - MBE/WBE PROGRAM: The Flood Control District of Maricopa County will endeavor to ensure in every way possible that minority and women-owned business enterprises shall have every opportunity to participate in providing professional services, purchased goods, and contractual services to the Flood Control District of Maricopa County without being discriminated against on the grounds of race, religion, sex, age, disability, or national origin. The Maricopa County Minority Business Program implemented January 1, 1992, is incorporated by reference.

ARTICLE IX - ANTI-DISCRIMINATION PROVISION: The contractor agrees not to discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, age, or disability and further agrees not to engage in any unlawful employment practices. The CONTRACTOR further agrees to insert the foregoing provision in all subcontracts hereunder.

IN WITNESS WHEREOF: Five (5) identical counterparts of this Contract, each of which shall for all purposes be deemed an original thereof, have been duly executed by the parties hereinabove named, on the date and year first above written.

\_\_\_\_\_  
Party of the First Part

By: \_\_\_\_\_  
Signature

Title: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
Tax Identification Number

RECOMMENDED BY:

\_\_\_\_\_  
Interim Chief Engineer and General Manager  
Flood Control District of Maricopa County

Date: \_\_\_\_\_

LEGAL REVIEW

Approved as to form and within the powers and authority granted under the laws of the State of Arizona to the Flood Control District.

By: \_\_\_\_\_  
District, General Counsel

Date: \_\_\_\_\_

FLOOD CONTROL DISTRICT OF  
MARICOPA COUNTY PARTY OF  
THE SECOND PART

By: \_\_\_\_\_  
Chairman, Board of Directors

ATTEST:

\_\_\_\_\_  
Clerk of the Board

**STATUTORY PAYMENT BOND PURSUANT TO TITLE 34  
CHAPTER 2, ARTICLE 2, OF THE ARIZONA REVISED STATUTES  
(Penalty of this bond must be 100% of the Contract amount)**

KNOW ALL MEN BY THESE PRESENTS:

That, \_\_\_\_\_ (hereinafter called the Principal), as Principal, and \_\_\_\_\_ a corporation organized and existing under the laws of the State of \_\_\_\_\_, with its principal office in the City of \_\_\_\_\_ (hereinafter called the Surety), as Surety, are held and firmly bound unto the Flood Control District of Maricopa County, in the County of Maricopa, State of Arizona (hereinafter called the Obligee), in the amount of \_\_\_\_\_ (\$ \_\_\_\_\_), for the payment whereof, the said Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the Flood Control District of Maricopa County, dated the \_\_\_\_\_ day of \_\_\_\_\_, 1994 for Contract FCD 94-18 which contract is hereby referred to and made a part hereof as fully and to the same extent as if copies at length herein.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the said Principal shall promptly pay all monies due to all persons supplying labor or materials to the Principal or the Principal's Subcontractors in the prosecution of the work provided for in the contract, this obligation is void. Otherwise it remains in full force and effect.

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of the Title 34, Chapter 2, Article 2, of the Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with the provisions, conditions and limitations of Title 34, Chapter 2, Article 2, Arizona Revised Statutes, to the same extent as if it was copied at length in this Agreement.

The prevailing party in a suit on this bond shall recover as part of the judgement reasonable attorney's fees that may be fixed by the court or a judge thereof.

Witness our hands this \_\_\_\_\_ day of \_\_\_\_\_, 1994.

\_\_\_\_\_  
Principal Seal

By: \_\_\_\_\_

Title: \_\_\_\_\_

\_\_\_\_\_  
Agency of Record, State of Arizona

\_\_\_\_\_  
Agency Address

BOND NUMBER: \_\_\_\_\_

\_\_\_\_\_  
Surety Seal

By: \_\_\_\_\_

Title: \_\_\_\_\_

ATTACH SURETY POWER OF ATTORNEY

**STATUTORY PERFORMANCE BOND PURSUANT TO TITLE 34  
CHAPTER 2, ARTICLE 2, OF THE ARIZONA REVISED STATUTES  
(Penalty of this bond must be 100% of the Contract amount)**

KNOW ALL MEN BY THESE PRESENTS:

That, \_\_\_\_\_ hereinafter called the Principal, as Principal, and \_\_\_\_\_ a corporation organized and existing under the laws of the State of \_\_\_\_\_, with its principal office in the City of \_\_\_\_\_ (hereinafter called the Surety), as Surety, are held and firmly bound unto the Flood Control District of Maricopa County, in the County of Maricopa, State of Arizona, in the amount of \_\_\_\_\_ (\$ \_\_\_\_\_), for the payment whereof, the said Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the Flood Control District of Maricopa County, dated the \_\_\_\_\_ day of \_\_\_\_\_, 1994, for Contract FCD 94-18, which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the said Principal shall faithfully perform and fulfill all the undertakings, covenants, terms, conditions and agreements of said contract during the original term of said contract and any extension thereof, with or without notice to the Surety, and during the life of any guaranty required under the contract, and shall also perform and fulfill all the undertakings, covenants, terms, conditions, and agreements of any and all duly authorized modifications of said contract that may hereafter be made, notice which modifications to the Surety being hereby waived; then the above obligation shall be void, otherwise to remain in full force and effect;

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of title 34, Chapter 2, Article 2, of the Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with the provisions of said Title, Chapter, and Article, to the extent as if it was copied at length herein.

The prevailing party in a suit on this bond shall be entitled to such reasonable attorney's fees as may be fixed by a judge of the court.

Witness our hands this \_\_\_\_\_ day of \_\_\_\_\_, 1994.

\_\_\_\_\_  
Agency of Record, State of Arizona

\_\_\_\_\_  
Agency Address

BOND NUMBER: \_\_\_\_\_

ATTACH SURETY POWER OF ATTORNEY

\_\_\_\_\_  
Principal Seal

By: \_\_\_\_\_

Title: \_\_\_\_\_

\_\_\_\_\_  
Surety Seal

By: \_\_\_\_\_

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CERTIFICATE OF INSURANCE

CONTRACT FCD **94-18**

PROJECT TITLE **54" & 12" Water Line Relocation, Old Cross Cut Canal**

NAME AND ADDRESS OF INSURANCE AGENCY:	INSURANCE COMPANIES AFFORDING COVERAGES
	Company Letter <b>A</b>
	Company Letter <b>B</b>
	Company Letter <b>C</b>
	Company Letter <b>D</b>
	Company Letter <b>E</b>
	Company Letter <b>F</b>
NAME AND ADDRESS OF INSURED	Company Letter <b>D</b>
	Company Letter <b>E</b>
	Company Letter <b>G</b>

THIS IS TO CERTIFY THAT POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE AND ARE IN FORCE AT THIS TIME.

COMPANY LETTER	TYPE OF INSURANCE	POLICY NUMBER	EXPIRATION DATE	LIMITS OF LIABILITY IN \$1,000 MINIMUM each occurrence	
	COMMERCIAL GENERAL <input checked="" type="checkbox"/> LIABILITY FORM <input checked="" type="checkbox"/> PREMISES OPERATIONS <input checked="" type="checkbox"/> CONTRACTUAL <input checked="" type="checkbox"/> BROAD FORM PROPERTY DAMAGE <input checked="" type="checkbox"/> EXPLOSION & COLLAPSE <input checked="" type="checkbox"/> PRODUCTS/COMPLETED OPERATIONS HAZARD <input checked="" type="checkbox"/> UNDERGROUND HAZARD <input checked="" type="checkbox"/> INDEPENDENT CONTRACTORS <input checked="" type="checkbox"/> PERSONAL INJURY			BODILY INJURY per person  PROPERTY DAMAGE each occurrence	<b>\$3,000</b>  <b>Combined</b>  <b>Single Limit</b>
	COMPREHENSIVE AUTO <input checked="" type="checkbox"/> LIABILITY & NON-OWNED			SAME AS ABOVE	
	<input checked="" type="checkbox"/> EXCESS LIABILITY			NECESSARY IF UNDERLYING NOT ABOVE MINIMUM	
	<input checked="" type="checkbox"/> WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY			STATUTORY each accident	\$100
	<input type="checkbox"/> ENGINEERS PROFESSIONAL LIABILITY			EACH CLAIM AND ANNUAL AGGREGATE	
	<input checked="" type="checkbox"/> OTHER	<b>"In addition to the Flood Control District of Maricopa County, Include Maricopa County and the City of Phoenix, as additional insureds."</b>			

Except for Professional Liability Insurance and Workers' Compensation Insurance, the Flood Control District of Maricopa County is added as an additional insured in respect to liability arising in any manner out of the performance of any contract entered into between the insured and the Flood Control District or liability arising out of any services provided or duty performed by any party as required by statute, law, purchase order, or otherwise required, with the exception of liability for loss or damage resulting from the sole negligence of Flood Control District, its agents, employees or indemnities. It is agreed that any insurance available to the named insured shall be primary of other sources that may be available. It is further agreed that no policy shall expire, be cancelled, or materially changed to effect the coverage available to the District without thirty (30) days written notice to the District. THIS CERTIFICATE IS NOT VALID UNLESS COUNTERSIGNED BY AN AUTHORIZED REPRESENTATIVE OF THE INSURANCE COMPANY.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
 2801 West Durango Street  
 Phoenix, Arizona 85009

DATE ISSUED \_\_\_\_\_

\_\_\_\_\_  
 AUTHORIZED REPRESENTATIVE

It is further agreed that:

The Contractor hereby agrees to indemnify and save harmless the FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, Maricopa County, and the City of Phoenix, or any of their departments, agencies, officers or employees, from and against all loss, expense, damage or claim of any nature whatsoever which is caused by any activity, condition or event arising out of the performance or nonperformance of any of the provisions of this Agreement, with the exception of liability for loss resulting from the sole negligence of the Flood Control District, its agents, employees, or indemnities.

The Flood Control District of Maricopa County, Maricopa County, and the City of Phoenix shall in all instances be indemnified against all liability, losses and damages of any nature for or on account of any injuries to or death of persons or damages to or destruction of property arising out of or in any way connected with the performance or nonperformance of this Agreement, except such injury or damage as shall have been occasioned by the sole negligence of the Flood Control District of Maricopa County, Maricopa County, and the City of Phoenix.

The above cost of damages incurred by the Flood Control District of Maricopa County, Maricopa County, and the City of Phoenix or any of their departments, agencies, officers or employees, or others aforesaid shall include in the event of an action, court costs, expenses for litigation and reasonable attorney's fees.

\_\_\_\_\_  
Firm

\_\_\_\_\_  
Date

\_\_\_\_\_  
Principal

\_\_\_\_\_  
Title

**FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
CONTRACT FCD 94-18**

**OLD CROSS CUT CANAL  
54-INCH AND 12-INCH WATER LINE RELOCATIONS**

**SUPPLEMENTARY GENERAL CONDITIONS**

**SPECIFICATIONS**

Except as otherwise amended in these Supplementary General Conditions and the Construction Special Provisions, construction of this project shall be in accordance with all applicable Maricopa Association of Governments (MAG) Uniform Standard Specifications and Uniform Standard Details, latest revision, supplemented by the City of Phoenix (COP) Supplemental Details and Uniform Standard Specifications, latest revision.

**PRECEDENCE OF CONTRACT DOCUMENTS**

In case of a discrepancy or conflict, Project Plans will govern over the MAG Standard Specifications and Details and the COP Supplemental Details and Specifications. The Supplementary General Conditions and Construction Special Provisions will govern over the MAG Standard Specifications and Details, the COP Supplemental Details and Specifications and the Project Plans. Change Orders will govern over the Supplementary General Conditions, Construction Special Provisions, MAG Standard Specifications and Details, and Project Plans.

**Subsection 101.2 - Definitions and Terms:**

1. Change the definition of the phrase "Board of Supervisors" to being the Board of Directors acting under the authority of the laws of the State of Arizona and in their capacity of the Board of Directors of the Flood Control District of Maricopa County.
2. Change the definition of the phrase "Budget Project" to being a project financed by funds set aside in the annual budget or otherwise approved by the Flood Control District of Maricopa County Board of Directors.
3. Add to the definition of the phrase "Contract Documents," the phrase "Supplementary General Conditions."
4. Change the definition of the term "Engineer" to being the person appointed by the Flood Control District of Maricopa County Board of Directors to the office of Chief Engineer and General Manager of the Flood Control District of Maricopa County acting directly or through its authorized representative, the Chief of the Flood Control District of Maricopa County Construction and Operations Division.
5. Change the definition for the phrase "Notice of Award" to a letter from the Flood Control District of Maricopa County advising Contractor that it is the successful bidder and the Flood Control District of Maricopa County has accepted its proposal.
6. Change the definition of the term "Owner" to the Flood Control District of Maricopa County, acting through its legally constituted officials, officers, or employees.
7. Whenever the word "District" is used in these Specifications, it shall mean the Flood Control District of Maricopa County.
8. Add the definition for Maricopa County Minority Business Office (MBO); the office responsible for administering the Maricopa County Minority and Women Owned Business Enterprise Program.

9. Add the definition for the Maricopa County Minority and Women Owned Business Enterprise Program as being the Program adopted by the Board of Supervisors effective January 1, 1992.

**Subsection 102.4 - Examination of the Site:** Add the Following:

**The relocation and installation of the two water lines will occur partially below ground water levels. At the time of the preparation of these Supplementary General Conditions, ground water was within about one foot of the bottom of the existing Old Cross Cut Canal invert.**

A piezometer well is located on the west bank of the canal near Virginia Avenue. This well is used to monitor ground water elevations. This piezometer well must not be disturbed during construction. Historical ground water elevation data can be obtained from the District.

**Subsection 102.5 - Preparation of Proposal:** Add the following:

Proposals, including the Bidding Schedule, must be legibly written in ink or typed.

It shall be the responsibility of prospective bidders to determine, prior to submission of a bid, if any addenda have been issued by the Flood Control District. This may be accomplished by calling 602-506-1501. Any addendum issued, if not already bound into the Special Provisions, **must be attached and included as part of the Specifications** and any quantities on the Bidding Schedule requiring change shall be adjusted to the new figure by pen and ink. **Bids which do not have appropriate addenda attached and show appropriate changes to the Bidding Schedule, and receipt of addenda acknowledged in the Proposal shall be invalid.**

The bidder's Arizona State Contractor's License number and the classification under which it proposes to perform the work shall be shown on the proposal. **An A General Engineering License** is required for this contract. The two lowest bidders may be required to provide certification of prior satisfactory completion for similar construction and to furnish a copy of their license and the renewal certificate.

**Subsection 102.6 - Subcontractors' List:** Add the following:

A list of subcontractors to be employed on the project shall be submitted with the bid, on the form provided in the Proposal. No change of the subcontractors named therein will be made unless first approved in writing by Owner.

**Subsection 102.7 - Irregular Proposals:** Add the following:

- (F) If bidder fails to complete and submit the Maricopa County Minority and Women-Owned Business Enterprises Assurances Affidavit, the bid will be considered nonresponsive and rejected.
- (G) If bidder fails to acknowledge AND attach any addendum issued, if addendum is not already bound into the Specifications, the bid will be considered nonresponsive and rejected.
- (H) If bidder fails to utilize Owner's bond forms, the bid will be considered nonresponsive and rejected.
- (I) If bidder fails to return the entire specifications document, the bid will be considered nonresponsive and rejected.

**Subsection 103.6 - Contractor's Insurance:** Add the following:

A statement from bidder's insurance carrier shall be included in the proposal certifying that it will furnish the specified kind and amounts of insurance to the bidder if it is awarded the contract. As required by law, the statement will be from an insurance carrier or carriers authorized to do business in the State of Arizona, or countersigned by an agent of the carrier authorized to do business in the State of Arizona. Concurrently with the

execution of the contract, Contractor shall furnish a Certificate of Insurance using the included Certificate or one of equal wording, that names the additional insureds as set out in the Certificate. The Certificate shall also name the additional insureds as Certificate Holders. The types of insurance and the limits of liability shall be as indicated on the included form.

**Subsection 103.6.1(D) - Contractor's Insurance:** Add the following:

Include additional insureds as indicated on the included Certificate of Insurance.

**Subsection 103.6.2 - Indemnification of the Contracting Agency Against Liability:** Add the following:

Additionally, Contractor shall execute the Indemnification on Page 30 of 30 of the Contract Documents.

**Subsection 104.1 - Work to Be Done:** Add the following sentence to 104.1.1:

All water for construction purposes, drinking water, lighting, temporary electric power, heat and telephone service shall be arranged and provided for as per requirements of the work by Contractor at his expense.

**Add the following to 104.1.2:**

All traffic and/or traffic control devices on this project shall be provided, maintained and/or controlled as specified in the Uniform Traffic Control Manual and the City of Phoenix Traffic Barricade Manual, latest revision.

All lanes on 48th Street, Virginia Avenue, and 47th Place, and all associated intersections, shall remain open to traffic at all times during construction. Traffic control plans and use of temporary pavement to divert traffic will be required.

**Subsection 104.2 - Alteration of Work:** Add the following to 104.2.2:

The soil boring logs are available for review at the District, and the contractors are encourage to do so. No guarantee is made of the accuracy of the boring logs in the soils report. The Contractor shall make his own determination as to soil and subsurface conditions and shall complete his work in whatever material and under whatever condition he may encounter or create, without extra cost (except as modified in MAG). Existing moisture conditions shall be no basis for claim for additional monies or time extensions. The Contractor shall manipulate the existing soil as required to achieve stable soil conditions and the required densities.

**Subsection 105.1 - Authority of Engineer:** Add the following:

105.1.1 - Engineer's Evaluation: Engineer will be allowed a reasonable time within which to evaluate each proposal or submittal made pursuant to subsections 105.3.1 and 106.4. Engineer will be the sole judge of acceptability. No "or-equal" or substitute will be ordered, installed or utilized without Engineer's prior written acceptance which will be evidenced by either a Change Order or an approved Shop Drawing. Owner may require Contractor to furnish at Contractor's expense a special performance guarantee or other surety with respect to any "or-equal" or substitute. Engineer will record time required by Engineer and Engineer's Consultants in evaluating substitutes proposed or submitted by Contractor pursuant to subparagraphs 105.3.1 and 106.4(B) and in making changes in the Contract Documents (or in the provisions of any other direct contract with Owner for work on the project) occasioned thereby. Whether or not Engineer accepts a substitute item so proposed or submitted by Contractor, Contractor shall reimburse Owner for the charges of Engineer and Engineer's Consultants for evaluating each such proposed substitute item.

**Subsection 105.3 - Conformity with Plans and Specifications:** Add the following :

105.3.1 - Substitute Construction Methods or Procedures: If a specific means, method, technique, sequence or procedure of construction is shown or indicated and expressly required by the Contract Documents, Contractor may furnish or utilize a substitute means, method, technique, sequence or procedure of construction acceptable to

Engineer. Contractor shall submit sufficient information to allow Engineer, in Engineer's sole discretion, to determine that the substitute proposed is equivalent to that expressly called for by the Contract Documents. The procedure for review by Engineer will be similar to that provided in subparagraph 106.4(B).

**Subsection 105.6 - Cooperation with Utilities:** Add the following:

An attempt has been made to determine the location of all underground utilities and drainage pipes, culverts, and structures; however, it shall be Contractor's responsibility to cooperate with the pertinent utility companies so that any obstructing utility installation(s) may be adjusted. Should Contractor's operations result in damage to any utility the location of which has been brought to its attention, he shall assume full responsibility for such damage. Contractor shall contact Arizona Blue Stake (telephone number 263-1100) a minimum of two (2) working days before beginning any underground work. In addition, Blue Stake notification(s) shall be maintained on a current basis.

The following phone numbers should put the Contractor in contact with the proper personnel:

Flood Control District of Maricopa County, Fred Fuller	602/506-1501 or 4728
U.S. West Communications, Mike Abels	602/831-4737
Hector Cardona	602/831-4699
Salt River Project (Electrical), Steve Daugherty	602/236-8413
Alex Baxter	602/236-8471
Salt River Project (Water Operations), Joe Rauch	602/236-5461
Earl Tankersley	602/236-5623
Southwest Gas, Howard Warren	602/484-5335
Dimension Cable, Carl McKay	602/352-5860 x-155
City of Phoenix Water & Waste Water, Jerry Arakaki	602/261-8229

Salt River Project has 12kV overhead lines located along the east side of the canal and directly over the construction area. Contractors, their employees, and all other construction personnel working on this project must be warned of the danger and instructed to take adequate protective measures, including maintaining minimum clearances between the lines and all construction equipment and personnel.

Approximately 30 feet of ground clearance will be provided under the 12kV overhead lines. The contractor along with SRP will determine if it is necessary to brace the nearby overhead power poles.

Pole bracing if required, should be accounted for in the Contractor's bid as incidental to other work.

The City of Phoenix has a 54" water line located along the west side of the canal and a 48" water line located along the east side of the canal. As indicated in the construction plans, a portion of these lines will be exposed during construction.

**NOTE:** The contractor must protect these lines in place from general construction activities, and the effects of ground water pumping and flows in the canal. The contractor shall submit a plan to the Engineer at the pre-construction meeting for protecting these lines in place during construction.

The Old Cross Cut Canal serves as both an SRP irrigation water conveyance facility and a storm water collection facility. At any time irrigation water, storm water, or nuisance water may flow in the canal. The contractor

should contact Joe Rauch of SRP at 236-5461 regarding water releases into the canal. The contractor should also establish a line of communication with SRP regarding future water releases. The contractor will be responsible to protect his work accordingly.

**Subsection 105.8 - Construction Stakes, Lines, and Grades:** Add the following:

The contractor is responsible for all construction staking required for this project. Prior to the start of construction, the contractor shall set construction stakes to establish lines and grades for water line construction, pavement work, structure and necessary appurtenances to ensure conformance of site conditions to dimensions and configurations as shown on the plans as approved by the Engineer.

**Subsection 106.1 - Source of Materials and Quality:** Add the following:

Select Material, Aggregate Base, Mineral Aggregate, concrete, steel products and pipe shall be obtained from commercial sources. Contractor shall pay all royalties, or any other charges or expenses, incurred in connection with the securing and hauling of the material. Contractor will be required to furnish Engineer with a list of its proposed commercial sources prior to use, and shall present certificates stating that the material produced from any commercial sources is in accordance with the Uniform Standard Specifications and these Supplementary General Conditions.

**Subsection 106.4 - Trade Names and Substitutions:** Replace with the following:

Whenever an item of material or equipment is specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular Supplier, the specification or description is intended to establish the type, function and quantity required. Unless the specification or description contains or is followed by words reading that no like, equivalent or "or-equal" item or no substitution is permitted, other items of material or equipment of other Suppliers may be accepted by Engineer under the following circumstances:

- A) "Or-Equal": If in Engineer's sole discretion an item of material or equipment proposed by Contractor is functionally equal to that named and sufficiently similar so that no change in related Work will be required, it may be considered by Engineer as an "or-equal" item, in which case review and approval of the proposed item may, in Engineer's sole discretion, be accomplished without compliance with some or all of the requirements for acceptance of proposed substitute items.
- B) Substitute Items: If in Engineer's sole discretion an item does not qualify as an "or-equal" item under subparagraph 106.4 (A), it will be considered a proposed substitute item. Contractor shall submit sufficient information as provided below to allow Engineer to determine that the item of material or equipment proposed is essentially equivalent to that named and an acceptable substitute therefor. The procedure for review by Engineer will include the following and may be supplemented in the Special Provisions and as Engineer may decide is appropriate under the circumstances. Requests for review of proposed substitute items of material or equipment will not be accepted by Engineer from anyone other than Contractor. If Contractor wishes to furnish or use a substitute item of material or equipment, Contractor shall first make written application to Engineer for acceptance thereof, certifying that the proposed substitute will perform adequately the functions and achieve the results called for by the general design, be similar in substance to that specified and be suited to the same use as that specified. The application will state the extent, if any, to which the evaluation and acceptance of the proposed substitute will prejudice contractor's achievement of completion on time, whether or not acceptance of the substitute for use in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with Owner for work on the project) to adapt the design to the proposed substitute and whether or not incorporation or use of the substitute in connection with the Work is subject to payment of any license fee or royalty. All variations of the proposed substitute from that specified will be identified in the application and available maintenance, repair and replacement service will be indicated. The application will also contain an itemized estimate of all costs or credits that will result directly or indirectly from acceptance of such substitute, including costs of redesign and claims of other contractors affected by the resulting change, all of which will be considered

by Engineer in evaluating the proposed substitute. Engineer may require Contractor to furnish additional data about the proposed substitute.

- C) Contractor's Expense: All data to be provided by Contractor in support of any proposed "or-equal" or substitute item will be at Contractor's expense.

**Subsection 106.5 - Contractors Marshaling Yards:** Add the following:

The Contractor shall obtain approval of the Engineer when using vacant property to park and service equipment and store materials for use. The Contractor will obtain prior written approval of the property owner for such use and submit a copy of the approval to the Engineer prior to use of the property.

The construction and contractor's work area is defined as between the right-of-way lines as shown on the plans, being the east right-of-way line of 48th Street and the west right-of-way line of "little" 48th Street (west side of the canal between Thomas Road and Oak Street).

**Subsection 107.1 - Laws to Be Observed:** Add the following Paragraph (G):

- (G) Contractor shall comply with Sections 103 and 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 327-330) as supplemented by Department of Labor Regulations (29 CFR Part 5). Contractor shall also comply with all applicable provisions of the Americans with Disabilities Act (Public Law 101-336, 42 U.S.C. 12101-12213) and all applicable federal regulations under the Act, including CFR Parts 35 and 36.

**Subsection 107.2 - Permits:** Replace with the following:

Contractor shall obtain all permits and licenses, with the exception of the Dewatering Permit, pay all charges, fees, taxes, and provide all notices necessary and incidental to the due and lawful prosecution of the work.

The District will obtain a Dewatering Permit from the Arizona Department of Water Resources. This permit is required for the pumping of ground water which will be required as part of construction. The permit will be provided to the contractor at the pre-construction meeting.

Installation and abandonment of any dewatering wells (use of well points, etc.) will be done by a well drilling contractor that holds a current well drillers's license pursuant to A.R.S. § 45-495. All dewatering wells will be installed and registered according to the Arizona Department of Water Resources rules and regulations.

It will be necessary for the contractor to monitor the total amount of ground water pumped on a daily basis. It will be necessary for the contractor to provide the necessary gages and/or meters to quantify the amount of water pumped in gallons per day. The cost of this monitoring will be incidental to other related activities for which compensation is provided.

**Subsection 107.2.1 - NPDES Permit Requirements:** Add the following:

- A. This project is subject to the National Pollutant Discharge Elimination System (NPDES) Stormwater requirements for construction sites under the Environmental Protection Agency (EPA) General Permit for Arizona. Under provisions of that permit, the contractor shall be designated as permittee, and shall take all necessary measures to assure compliance with the NPDES General Permit for Arizona as well as all other applicable Federal, State and local laws, ordinances, statutes, rules and regulations pertaining to stormwater discharge. As the permittee, the contractor is responsible for preparing, in a manner acceptable to the EPA, all documents required by this regulation, including but not necessarily limited to:

1. Stormwater Pollution Prevention Plan (SWPPP) for the project, including certification of compliance form. Contractor shall be required to develop, implement, update and revise the SWPPP, as necessary,

in order to assure compliance with the EPA permit requirements. The SWPPP shall be retained on the project site at all times during construction.

2. Notice of Intent (NOI) to assure compliance with the NPDES General Permit for Arizona, including certification of signatures.
  3. Notice of Termination (NOT) of coverage under NPDES General Permit for Arizona.
- B. Preliminary copies of the NOI and the SWPPP shall be submitted to Owner during the preconstruction meeting and shall be subject to review by Owner prior to implementation.
- C. Contractor shall submit the completed and duly signed NOI forms no later than forty-eight (48) hours prior to the initial start of construction on the project to the following agencies:

EPA Stormwater Notice of Intent  
P.O. Box 1215  
Newington, VA 22122

A copy of the completed NOI form shall be submitted to the following:

Stormwater Coordinator  
Arizona Department of Environmental Quality  
P.O. Box 600  
Phoenix, AZ 85001-0600

Tom Lange  
Development Services Department  
City of Phoenix  
200 West Washington Street  
Phoenix, Arizona 85003

Failure by the contractor (or subcontractors of any tier) to submit NOI's within the mandated time frame shall result in delay of the construction start date, and no claim for extension of time will be granted for such delay. A copy of the completed NOI shall be posted at the construction site.

- D. Inspections of all stormwater pollution control devices on the project shall be performed by Contractor on a monthly basis and following each rainfall of 0.50 inches or more in a 24-hour period at the project site as required under provisions of the NPDES General Permit for Arizona. Contractor shall prepare reports on such inspections and retain the reports for a period of three years following the completion of the project. Inspection reports shall be submitted monthly to Owner along with progress payment requests. Additionally, contractor shall maintain all stormwater pollution control devices on the project in proper working order, which shall include cleaning and/or repair during the duration of the project.
- E. Contractor warrants that its employees and subcontractors of any tier and their employees shall at all times comply with all applicable laws, ordinances, statutes, rules and regulations set forth by all federal, state and local governments and the Environmental Protection Agency in connection with NPDES Permitting requirements and laws and regulations pertaining to air, groundwater and surface water quality.

Fines and penalties imposed by the EPA against Owner or the contractor, for contractor's failure to comply with any of the requirements of NPDES General Permit of Arizona, shall be borne by the contractor.

- F. Upon project completion, acceptance and demobilization, contractor shall submit its completed, duly executed NOT form to the EPA, with a copy to the Arizona Department of Environmental Quality (and the appropriate municipality), at the address listed in Section (B) above, thereby terminating all NPDES permit

coverage for the project. Contractor shall then surrender to Owner copies of the SWPPP, inspection information and all other documents prepared and maintained by the contractor in compliance of the NPDES General Permit. Contractor shall retain the originals of such documents for a period of three (3) years following the completion of the project.

- G. The Lump Sum price for the SWPPP shall include all material, labor, and all other costs relating to the preparation, installation and maintenance of the SWPPP during project construction, including assuring proper operation of the pollution control devices installed, and all maintenance, cleaning, and disposal costs associated with clean-up and repair following storm events, runoff or releases on the project. The Lump Sum price for the SWPPP shall be inclusive of all costs, and no additional claims shall be made by Contractor under any other specification provision of these documents, including Change Conditions. Payment for this bid item shall be upon final completion and acceptance of the project, as per Section 109.1.
- H. Copies of all required forms and guidance for preparing the SWPPP are available in the "Drainage Design Manual for Maricopa County, Volume III Erosion Control". The manual is available at the Flood Control District, 2801 West Durango Street, Phoenix, Arizona 85009.

Payment for NPDES / SWPPP permit requirements shall be made on the basis of lump sum for all work described in Subsection 107.2 .1 for:

**ITEM 107-1 - NPDES / SWPPP PERMITS**

**Subsection 107.4 - Archeological Reports:** Add the following:

Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the Contractor, or any person working on his behalf, shall be immediately reported to the Engineer. The Contractor shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Engineer. An evaluation of the discovery will be made by the Engineer and the Salt River Project and/or Bureau of Reclamation Archaeologist to determine appropriate actions to prevent the loss of significant cultural or scientific resources.

**Subsection 107.5:** Add the following:

The entire construction site shall be considered a "Hard Hat Area" and all personnel in the area will be required to wear a hard hat.

**Subsection 107.5.2 - Compliance with the Arizona Communication Standard:** Add the following:

Owner will provide Contractor with Material Safety Data Sheets (MSDS) for any products known to exist on the site that are deemed health hazards. Contractor will provide a copy of Owner-provided MSDS to all subcontractors.

Contractor will provide Owner and all subcontractors with MSDS for any products that have or are deemed health hazards that will be brought onto the site or created on the site by either Contractor or by any subcontractors.

Contractor will provide Owner with a statement certifying that all personnel (Contractor and subcontractor) employed by Contractor or by a subcontractor on the job site have received the required Hazard Communication Standard training.

**Subsection 107.5.4 - Contractor Health & Safety Provisions:** Add the following:

The project location is within the East Central Phoenix and East Washington study area under the State of Arizona Water Quality Assurance Revolving Fund (WQARF). The WQARF program is designed to study and clean-up areas of degraded ground water. Environmental assessments of the project location are available for review at the District. These studies have not confirmed or denied the presence of degraded ground water beneath or in the

project location. Volatile organic compounds (VOCs) have been measured in the ground water upgradient of the project location. The primary VOCs detected are the halogenated VOCs, trichloroethylene (TCE), tetrachloroethylene (PCE), trichloroethane (TCA), 1,1 Dichloroethene (1,1-DCE), chloroform and trichloroflouroethane (Freon 113). The District will monitor ground water quality weekly from the first date that ground water is encountered and provide the contractor with the results. The contractor shall include provisions for a health and safety plan as required under OSHA (29 CFR Part 1910.120), to be implemented if degraded groundwater is in fact encountered during construction activities. Three copies of the Health and Safety plan will be submitted at the preconstruction meeting for review by the Engineer.

Payment for preparation of the Health and Safety Plan as required under OSHA (29 CFR Part 1910.120) shall be made on a lump sum basis.

**ITEM 107-2 - PREPARATION OF HEALTH AND SAFETY PLAN**

Payment for implementation of the Health & Safety plan shall be ~~made on a lump sum basis~~, as a contingency item to be authorized only by the Engineer. The total amount of contingency Bid Item 107-3 ~~will be included in the total contract amount for the purpose of determining the low bid amount.~~

**ITEM 107-3 - IMPLEMENTATION OF HEALTH & SAFETY PLAN**

If degraded ground water is encountered and the Health & Safety Plan must be implemented, then the likelihood exists that contaminated soils will have been encountered. If excavated soils are found to be contaminated, as determined by testing performed by the District, they will be disposed of in accordance with all applicable local, state, and federal guidelines, and only after the approval of the Engineer. If the quantities of excavated soil which must be disposed of cause a shortage of soils for backfill purposes, then replacement material will be imported for the purpose of backfilling the water lines and/or restoring the Old Cross Cut Canal to its existing grade and configuration.

The source and type of backfill material to be utilized will be as described in Section 211, and as approved by the Engineer.

Payment for disposal of contaminated soils shall be made on a cubic yard basis, as a contingency item to be authorized only by the Engineer, and will include the costs for imported backfill material. The total amount of contingency Bid Item 107-4 will be included in the total contract amount for the purpose of determining the low bid amount.

**ITEM 107-4 - DISPOSAL OF CONTAMINATED SOILS**

**Subsection 107.10 - Contractor's Responsibility for Work:** Add the following:

Contractor is advised that the work will be subject to flows of water of varying amounts. Owner assumes no responsibility for notifying Contractor of any anticipated flows, nor for any damages incurred by Contractor to its equipment or to any of the Contractor's work as a result of any flows of water, as described below:

- A. The Old Cross Cut Canal serves as both an SRP irrigation water conveyance facility and a storm water collection facility. At any time surface water such as irrigation water, storm water, and nuisance water may flow in the canal. The contractor should contact Joe Rauch of SRP at 236-5461 regarding releases of irrigation water into the canal. The contractor should also establish a line of communication with SRP regarding future water releases.
- B. The contractor shall be responsible for controlling and handling stormwater and other flows throughout the construction site, both surface drainage and channel flows, except channel flows which exceed 150 cfs as measured by a gage which has been installed on the downstream side of the existing Thomas Road box culvert crossing of the canal. When measured channel flows exceed 150 cfs and result in damage to the work site, the owner will pay actual cost of damage repair. Actual cost is defined as materials, labor, and equipment utilized to restore damaged work area(s). Payment for damage repair work will be in accordance

with Section 109.5 of MAG Specifications, titled Actual Cost Work. No other compensation will be considered or allowed, including home office or job site overhead.

- C. The relocation and installation of the two water lines will occur partially below ground water levels. At the time of the preparation of these Supplementary General Conditions, ground water was within one foot of the bottom of the existing Old Cross Cut Canal.
- D. The contractor is responsible to protect the construction from ground water as necessary to accomplish the work. This includes pumping the ground water from the excavation limits back into the canal downstream of the work area.
- E. Any pumping equipment used for the purpose of managing the ground water will be electric powered. Gasoline or other fueled pumping equipment will not be permitted without the prior approval of the Engineer. The contractor will contact Joe Penunuri of SRP at 236-4853 for electrical service. The cost of the electrical service will be incidental to the cost for ground water dewatering.
- F. The ground water infiltration rate has been estimated at approximately 0.06 gpm/ft.
- G. It will be necessary for the contractor to monitor the total amount of ground water pumped on a daily basis. It will be necessary for the contractor to provide the necessary gages and/or meters to quantify the amount of water pumped in gallons per day. A daily log will be kept by the contractor, and the data will be provided to the Engineer on a weekly basis. The cost of this monitoring will be incidental to the cost for ground water dewatering.
- H. The Contractor shall provide safety fencing around the work area during all non-working hours. There will be no separate payment for furnishing, installing, maintaining and removal of safety fencing. The cost shall be considered incidental to other work for which compensation is provided.

Payment for ground water dewatering as described in Subsection 107.10, Parts C, D, E, F, and G shall be made on the basis of lump sum for all work and equipment necessary to perform the dewatering, including but not limited to pumping equipment, gages and/or meters, electrical service, labor.

**ITEM 107-5 - GROUND WATER DEWATERING**

**Subsection 108.1 - Notice to Proceed:** Delete Paragraph (A) and replace with the following:

- (A) Contractor shall commence work within seven (7) calendar days after the date of the Notice to Proceed and complete all work within two hundred twenty (220) calendar days beginning the day following the effective date specified in the Notice to Proceed.

**Subsection 108.2 - Subletting of Contract:** Add the following:

For this project, Contractor shall perform, with its own organization, work amounting to 50 percent or more of the total contract cost.

**Subsection 108.4 - Contractor's Construction Schedule:** Delete in its entirety and replace with the following:

Contractor shall submit a proposed work progress schedule to Engineer for review before starting work. Weekly updates shall be submitted to Owner's Inspector at the weekly coordination meeting.

The District anticipates having a concurrent construction project known as the Old Cross Cut Canal Reconstruction project underway during this Contract FCD 94-18. In order to support the COP water delivery services schedule, and the District's Old Cross Cut Canal Reconstruction project contractor's schedule, certain completion dates must be satisfied as follows:

The relocation of the 54" water line is contingent upon the COP Water Services Department "shutdown" schedule for the 54" water line. The relocation of the 54" water line must be complete in its entirety and accepted by the COP **NO LATER THAN FEBRUARY 28, 1995.** Any delays in the completion of this relocation will result in damages being assessed to the contractor, pursuant to Section 108.9 of these Supplementary General Conditions.

All construction activities affecting 48th Street, and the restoration of traffic to the existing 48th Street pavement alignment must be completed **NO LATER THAN MARCH 31, 1995.** Any delays in this completion will result in damages being assessed to the contractor, pursuant to Section 108.9 of these Supplementary General Conditions.

The "shutdown" schedule for the 54" water line is dictated by the City of Phoenix and is predicated on the Salt River Project (SRP) north side dry-up, and the Central Arizona Project (CAP) siphon repair schedules. The shutdown of the 54" water line cannot occur during the SRP dry-up or the CAP siphon repairs.

In order to obtain the best available information upon which to develop the work progress schedule the contractor must contact each agency as follows:

Salt River Project	Earl Tankersley at 236-5623 or Joe Rauch at 236-5461
Central Arizona Project	Tim Kacerek at 870-2563 or Brian Henning at 870-2567
City of Phoenix	Jerry Arakaki at 261-8229

At the time of preparation of these Supplementary General Conditions the following **anticipated schedule** was available -

City of Phoenix "shutdown" window of opportunity -	September 1, 1994 through March 31, 1995
Central Arizona Project siphon repairs -	October 1, 1994 through December 15, 1994
Salt River Project dry-up -	January 1, 1995 through January 31, 1995

These are only anticipated schedules and could change at any time at the direction of the City, SRP, or CAP.

**Subsection 108.5 - Limitation of Operations:** Add the following:

Should Contractor elect to perform any work after regular working hours, on weekends, or legal holidays, "with or without written approval of Engineer", any charges incurred by Owner for inspection of the work, surveys or tests of materials will be deducted from monies due or to become due to Contractor.

**Subsection 108.9 - Failure to Complete on Time:** Add the following:

The COP water delivery services, and the District's Old Cross Cut Canal Reconstruction project contractor's schedule, require that completion dates for certain work within this contract must be met as described in Subsection 108.4, and as stated below, or the contractor will incur costs and damages as follows:

The relocation of the 54" water line is contingent upon the COP Water Services Department shutdown schedule for the 54" water line. The relocation of the 54" water line must be complete in its entirety and accepted by the COP **NO LATER THAN FEBRUARY 28, 1995.** Any delays in the completion of this relocation will result in damages and costs being assessed to the contractor. These include any and all actual damages and delay costs, and consequential damages incurred by the District's Old Cross Cut Canal Reconstruction project contractor, and any and all actual damages, costs, and consequential damages incurred by the COP Water Services Department for loss of water delivery services.

All construction activities affecting 48th Street, and the restoration of traffic to the existing 48th Street pavement alignment must be completed **NO LATER THAN MARCH 31, 1995**. Any delays in completing these construction activities will result in damages and costs being assessed to the contractor, including any and all actual damages and delay costs, and consequential damages incurred by the District's Old Cross Cut Canal Reconstruction project contractor.

In addition to the damages and costs described above, the actual cost per calendar day incurred by the District for Administrative and Inspection Services on this project will be added to the damages. These actual costs and damages as described will be deducted from monies due or to become due to the Contractor for each and every calendar day that work shall remain incomplete after the date specified above for the completion of the work in the proposal, or as adjusted by the Engineer. Nothing contained in this provision shall prohibit the District from deducting from monies due or to become due to the Contractor for any other costs incurred by the District directly attributable to the delay in completing this contract in accordance with the completion dates specified above.

**Subsection 109.2 - Scope of Payment:** Add the following:

In addition to the contained provisions, the work under this section shall consist of preparatory work and operations, including but not limited to, the movement of personnel, equipment, supplies and incidentals to the project site; the establishment of all offices, buildings and other facilities necessary for work on the project, and for all other work operations that must be performed and costs incurred prior to beginning work on the various items on the project site.

**Subsection 109.7 - Payment for Bond Issue and Budget Projects:** Add the following.

- (C) Contractor's pay estimates will be initially processed by Owners's Construction and Operations Division on a Tuesday, Tuesdays being the only day Contractor may submit a pay estimate.

**FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
CONTRACT FCD 94-18**

**OLD CROSS CUT CANAL  
54-INCH AND 12-INCH WATER LINE RELOCATIONS**

**SPECIAL PROVISIONS**

**SECTION 201 - CLEARING AND GRUBBING**

Clearing and grubbing shall conform to Section 201 of the Uniform Standard Specifications except as modified herein. The work consists of removal and disposal of all objectionable material as necessary for the construction of this project. Prior to starting this work the Contractor must verify the location of existing utilities which may be damaged during this work. The Contractor shall adjust and/or otherwise protect these utilities from damage.

No separate payment will be made for clearing and grubbing. This cost will be included in the lump sum price bid for removal of existing improvements to which such clearing and grubbing is incidental or appurtenant.

**SECTION 202 - MOBILIZATION**

The work under this section shall consist of preparatory work and operations, including but not limited to, the movement of personnel, equipment, supplies and incidentals to the project site; the establishment of all offices, buildings and other facilities necessary for work on the project, and for all other work and operations that must be performed and costs incurred prior to beginning work on various items on the project site.

No separate payment will be made for mobilization. This item is incidental to other work for which compensation is provided.

**SECTION 211 - FILL CONSTRUCTION**

Fill construction shall conform to Section 211 of the MAG Standard Specifications except as modified herein. The work consists of placing and compacting all material wherever necessary according to the construction drawings, beyond the limits of the pipe trench backfill, along the channel and shall include all fill material required to replace any contaminated soil identified, removed and disposed of per Section 107.5.4 of the Supplementary General Conditions.

Unless otherwise identified as contaminated soil, material obtained from the project excavations may be presumed suitable for use in fill construction, provided that all organic material, rubbish, debris and other objectionable material is first removed.

Any imported borrow required for use as replacement material for contaminated soil shall meet the requirements of Subsection 210.2 of the MAG Standard Specifications.

Prior to the placement of fill material, all loose soil, vegetation, any roadside debris, pavement, and existing structures within the proposed fill areas shall be completely removed. Depressions and ditches shall be cleaned of all loose or wet soils and widened to accommodate compaction equipment. Sloping surfaces shall be benched to provide a level surface for fill placement. All exposed subgrade surfaces shall be scarified, brought to the proper moisture content and compacted to a maximum depth of eight (8) inches.

The fill shall be compacted in horizontal lifts to a minimum of 95 percent of the maximum density as determined in accordance with ASTM D-2922 and D-3017 within a moisture content range of plus or minus 3 percent of optimum. The depth of the compacted lifts shall not exceed nine (9) inches.

No separate payment will be made for the fill construction. This cost will be incidental to other work for which such fill construction is incidental or appurtenant.

### SECTION 225 - WATERING

The cost of watering will be included in the bid item, to which such watering is incidental or appurtenant.

No separate payment will be made for watering.

### SECTION 321 - ASPHALTIC CONCRETE

The asphalt concrete used for temporary detour paving shall be Type C-3/4 and conform to Section 710 of the MAG Specifications. All temporary pavement work shall conform to Sections 321, 345, and 710 of the MAG Specifications and COP Supplements.

No separate payment will be made for construction, removal or clean-up of the temporary asphalt concrete pavement. This cost will be included in the lump sum contract price for Traffic Control to which such asphalt pavement is incidental or appurtenant.

### SECTION 336 - PAVEMENT MATCHING AND SURFACE REPLACEMENT

Pavement replacement will conform to Section 336 of the MAG Specifications.

Pavement replacement shall be considered permanent, and shall conform to Subsection 336.2.4. The new pavement shall match the gradation and thickness of the existing pavement, but shall be a minimum of 3 inches thick.

Measurement for pavement replacement will be by the square yard based upon actual field measurements for pavement removed due to the trench excavation as required for the installation of the new 54-inch and 12-inch water lines. Square yard pay quantities shall be based on the length of pavement replacement measured along the centerline of the pipe trench and the pay width listed in Subsection 336.4. Any other pavement replacement required for such things as potholing, joint retrofitting or damage from construction activities shall not be included, but shall be considered incidental or appurtenant to other related work.

Payment will be made on a per square yard basis of pavement replaced and shall include all subgrade preparation, aggregate base material and all incidental items as required to complete this work in conformance with the plans, specifications and details for:

#### **ITEM 336 - PAVEMENT REPLACEMENT**

### SECTION 350 - REMOVAL OF EXISTING IMPROVEMENTS

Removal of existing improvements shall conform to Section 350 of the Uniform Standard Specifications except as modified herein. The work includes clearing and grubbing, the removal and disposal of existing structures, pavement, and any other obstacle to construction, unless it is specifically called out on the plans to be removed and relocated.

The disposal of all waste material removed under this item shall be the responsibility of the Contractor. The disposal site shall be approved by the Engineer.

If a Maricopa County landfill is selected for disposition of waste materials and/or debris, a Maricopa County Landfill Use Permit will be required. Application for permit can be made at the Maricopa County Landfill Office, located at 3325 West Durango Street, Phoenix, Arizona 85009 (Telephone 269-2661). Charges will be levied on a volume basis for each load delivered to the landfill in accordance with the current fee schedule.

Weigh tickets from all landfill disposal must be furnished to the Engineer.

Payment for the removal of existing improvements shall be made lump sum for the total job for:

#### **ITEM 350 - MISCELLANEOUS REMOVAL OF EXISTING IMPROVEMENTS**

## SECTION 401 - TRAFFIC CONTROL

### Subsection 401.1 Description:

This work shall consist of detour construction, traffic control devices and flagmen or pilot cars in accordance with Section 401 of the COP Supplements and the City of Phoenix Traffic Barricade Manual, latest revision.

#### A. Traffic Control Devices

All traffic and/or traffic control devices on this project shall be provided, maintained and/or controlled as specified in the City of Phoenix Traffic Barricade Manual, latest revision.

#### B. Street Closure Permits

Permission to restrict city streets, sidewalks and alleys (street closure permits) shall be requested as specified in Section III of the City of Phoenix Traffic Barricade Manual.

#### C. Traffic Manual

Unless otherwise provided for in the following "General Traffic Regulations," all traffic on this project shall be regulated as specified in Section IV of the City of Phoenix Traffic Barricade Manual.

#### D. Prior Approval

No deviation to the "General Traffic Regulation" will be allowed or implemented unless submitted to the Engineer for review and approval two weeks prior to the proposed work.

### Subsection 401.2 General Traffic Regulations:

#### A. Lanes to be Left Open

All lanes on 48th Street (east side and west side), Virginia Avenue and all associated intersections, shall remain open to traffic at all times during construction.

Construction traffic lanes shall be a minimum of twelve (12) feet in width and have a safe operating speed of twenty-five (25) miles per hour. Warning signs shall be used per City of Phoenix Traffic Barricade Manual.

#### B. Local Access Requirements

The Contractor shall maintain local access to all side streets, access roads, driveways, alleys and parking lots at all times and shall notify residents 72 hours in advance of any restrictions which will affect their access. The Contractor shall restore the access as soon as possible. If the primary access cannot be restored in a timely manner, the Contractor shall provide an alternative which shall be predetermined with the residents prior to imposing any restrictions, and approved by the Engineer.

#### C. Special Sign Requirements

The Contractor shall provide, erect and maintain advance notifications, and informational and directional access signs that may be required by the Engineer. The cost shall be included in the bid item for Traffic Control Devices.

#### D. Flagging of Traffic

No flagging of traffic will be permitted during the peak traffic hours of 6:00 a.m. to 8:30 a.m. and 4:00 p.m. to 7:00 p.m. weekdays. If construction requires, intermittent flagging will be allowed from 8:30 a.m. to 4:00 p.m. to facilitate access for heavy construction equipment.

E. Traffic Control Plan

The Contractor shall submit a traffic control plan for approval, showing the limits of temporary pavement, detour layout and striping, placement of all traffic control devices, including all conflicting signs to be covered/removed or relocated, or other features that may conflict with the placement of temporary signage. This plan shall be professionally drawn on 24" x 36" reproducible medium and submitted to the Engineer at the pre-construction meeting. Temporary pavement shall be a minimum 2 inches of C-3/4 asphalt concrete on 4 inches of aggregate base course.

Payment for traffic control, including all mobilization, placing, storing, removal and maintenance incidental to the approved traffic control plan, temporary pavement, signing, striping, safety fencing and other work as required shall be made on a lump sum basis for:

**ITEM 401 - TRAFFIC CONTROL**

**SECTION 505 - CONCRETE STRUCTURES**

The work under this section shall consist of furnishing all labor, materials and equipment for the construction of all cast-in-place and other concrete in accordance with the plans and Section 505 of the Uniform Standard Specifications, except as modified herein.

**Subsection 505.1 Description:**

This work shall consist of the installation of the concrete encasement for the 54-inch water line, the 12-inch water line, and the 15-inch sanitary sewer line, and of construction for the concrete canal lining. Any excavation, shoring and bracing shall be deemed as incidentals required to construct the concrete encasement and concrete canal lining work.

All work shall conform to Section 505 of the MAG Specifications.

All pneumatically placed mortar shall conform to the requirements of Section 525 of the MAG Specifications and as detailed in Appendix A of these specifications.

Payment for the concrete encasement to the limits shown on the plans or as approved by the Engineer shall be full compensation for furnishing all labor, materials, tools and equipment, preparation of subgrade for placing of reinforcement, concrete, and for performing all work required to construct the structures in conformance with the plans and specifications.

Payment for concrete encasement shall be made on the basis of price per lineal foot bid for:

**ITEM 505-1 CONCRETE ENCASEMENT FOR 12" WATER LINE, MAG DETAIL 402**

**ITEM 505-2 CONCRETE ENCASEMENT FOR 54" WATER LINE, MAG DETAIL 402**

**ITEM 505-3 CONCRETE ENCASEMENT FOR 54" WATER LINE FITTINGS**

**ITEM 505-4 CONCRETE ENCASEMENT FOR 12" WATER LINE, MAG DETAIL 404**

**ITEM 505-5 CONCRETE ENCASEMENT FOR 54" WATER LINE, MAG DETAIL 404**

**ITEM 505-6 CONCRETE ENCASEMENT FOR 15" SANITARY SEWER LINE, MAG DETAIL 404**

Payment for the concrete canal lining shall be full compensation for furnishing all labor and materials, and for placing the concrete lining as shown on the plans and in accordance to the SRP Details CES-30100-002 and CES-30100-006, included in the Appendix of these Special Provisions. Payment for concrete canal lining shall be made on the basis of price per square yard bid for:

**ITEM 505-7 CONCRETE CANAL LINING**

**SECTION 601 - TRENCH EXCAVATION, BACKFILLING AND COMPACTION**

The work in this section shall include all labor, materials, appliances and equipment in connection with the excavation and backfilling of the 54-inch and 12-inch water line in accordance with the plans and Section 601 of the MAG Specifications and COP Supplements.

No separate payment will be made for trench excavation, backfilling and compaction. This cost shall be considered incidental to the unit price per linear foot of the water line construction.

## **SECTION 610 – WATER LINE CONSTRUCTION**

### **Subsection 610.1 Description:**

The work under this section shall consist of furnishing and installing 54-inch and 12-inch water lines at the location shown on the project plans, making the necessary modifications, installing welded joints, restrained joints and connections to the existing water mains in accordance with the applicable requirements specified in Section 610 "WATER LINE CONSTRUCTION," of the MAG Specifications, COP Supplements and these Special Provisions.

All materials necessary for the pipe installation and testing shall be furnished by the Contractor.

### **Subsection 610.3 Materials:**

Prestressed concrete cylinder pipe and fittings with welded joints shall be used for the 54-inch water main. All pipe shall be designed for 150 psi working pressure, and 188 psi test pressure and shall conform to Section 758 "CONCRETE PRESSURE PIPE – STEEL CYLINDER," of the MAG Specifications and the COP Supplements.

Ductile iron pipe and fittings with restrained joints shall be used for the 12-inch water line. All pipe shall have a minimum wall thickness of Class 50. The ductile iron pipe and associated joint restraint methods shall conform to Section 750 "IRON WATER PIPE AND FITTINGS," of the MAG Specifications and the COP Supplements.

### **Subsection 610.4 Construction Methods:**

Connection of the new 54" pipe to the existing 54" pipe shall be performed at the locations and per the details as shown on the plans. Connection points shall be field verified for detailed layout on the shop drawings.

The Contractor shall expose and thoroughly clean the existing pipe in a manner satisfactory to the engineer. The Contractor shall carefully cut and remove grout coatings in order to not damage wire wraps. The Contractor shall be responsible for repairing any damage to the existing pipe resulting from the Contractors operations to the satisfaction of the Engineer. Any pipe deemed damaged beyond repair by the Engineer shall be replaced. All repair or replacement shall be at the Contractors expense with no additional payment.

The Contractor shall field verify the tie-in locations of existing water lines and valves and all existing utility crossings. The location of the connection of the new 54" pipe to the existing 54" pipe shall be field verified and approved by the engineer. Polyethylene warning tape shall be placed above the new water lines as shown on the plans.

The Contractor shall contact the City of Phoenix Water Services Department 30 days in advance to coordinate the shutdown of the water lines to be connected. The request for shutdowns shall be made in writing. The Contractor shall pay for shutdowns at the Water Services Department, 200 West Washington Street, 8th Floor, Phoenix, Arizona.

A one-week shutdown of the 54" water main will be allowed for connection of the new water main to the existing water main, within the schedule constraints as outlined in Subsection 108.4 of the Supplementary General Conditions.

The Contractor shall locate and expose pipe joint connections along the existing 54-inch water line at the locations identified on the plans. These exposed connections shall be welded together to produce a restrained joint per the detail as shown on the plans. The minimum length of existing 54-inch pipe that shall require these welded joints is 85 feet. This 85 foot length shall be measured beginning at the connections of the new and existing 54-inch pipe, and shall extend along the existing 54-inch line for a distance of 85 feet. All existing joints within this 85 foot length shall be retrofit welded as detailed on the plans. All retrofit welding shall be performed prior to the shutdown of the existing water line.

The Contractor shall expose and thoroughly clean the existing joints in a manner satisfactory to the Engineer prior to restraining. The welded joints shall be installed in accordance with the detail as shown on the plans. The Contractor shall be responsible for any damage to the existing pipe. No concrete thrust blocks are allowed in this project. For welded joints, a "Skip-weld" procedure shall be employed using a maximum 6-inch welded section each time, to avoid overheating the gasket.

Any damage to the pipe resulting from the Contractor's operations shall be repaired to the satisfaction of the Engineer or the pipe shall be replaced, both at the Contractor's expense.

Trench excavation and backfill shall conform to the requirements of Section 601 of the MAG Specifications. Bedding and backfill materials placed within the pipe zone shall be either ABC or Type B Select Material as described in Section 702 of the MAG Specifications and as detailed on the plans.

Backfill above the pipe zone shall conform to Subsection 601.4.3 of the MAG Standard Specifications. One sack ABC slurry per Section 728 of the MAG Standard Specifications can be used as an alternate material for the backfill area above and in the pipe zone.

**Subsection 610.14 Testing:**

The new section of water lines shall be subject to hydrostatic testing, disinfection and bacteriological testing prior to the shutdown and connection in accordance with Section 610.14 "TESTING," of the COP Supplements and Section 611 "DISINFECTING WATER MAINS," of the MAG Specifications and COP Supplements. Once the connections are completed, line pressure shall be restored and the connection visually inspected for leaks before concrete encasement and any backfilling of the trench.

Testing methods and procedures shall be included with the material drawings submittals for approval from the engineer as detailed in Section 758 of the MAG Specifications and the COP Supplements.

**Subsection 610.18 Payment:**

The work for water line shall include all furnishing and installing the pipe and fittings, specials, adapters, water valves, etc., complete in place, as called for on the plans and/or on the standard details, and shall include all costs of excavation, removal of obstructions, removal of existing pipe, plugging of existing line to be abandoned in place, potholing, shoring and bracing, protecting existing utilities, subdrainage, bedding, backfilling, compaction, testing, disinfecting, connections to existing lines or work and all work not specifically covered in other pay items.

Payment for water line work shall be made on the basis of price per lineal foot bid for:

**ITEM 610-1 12" WATER LINE RELOCATION**

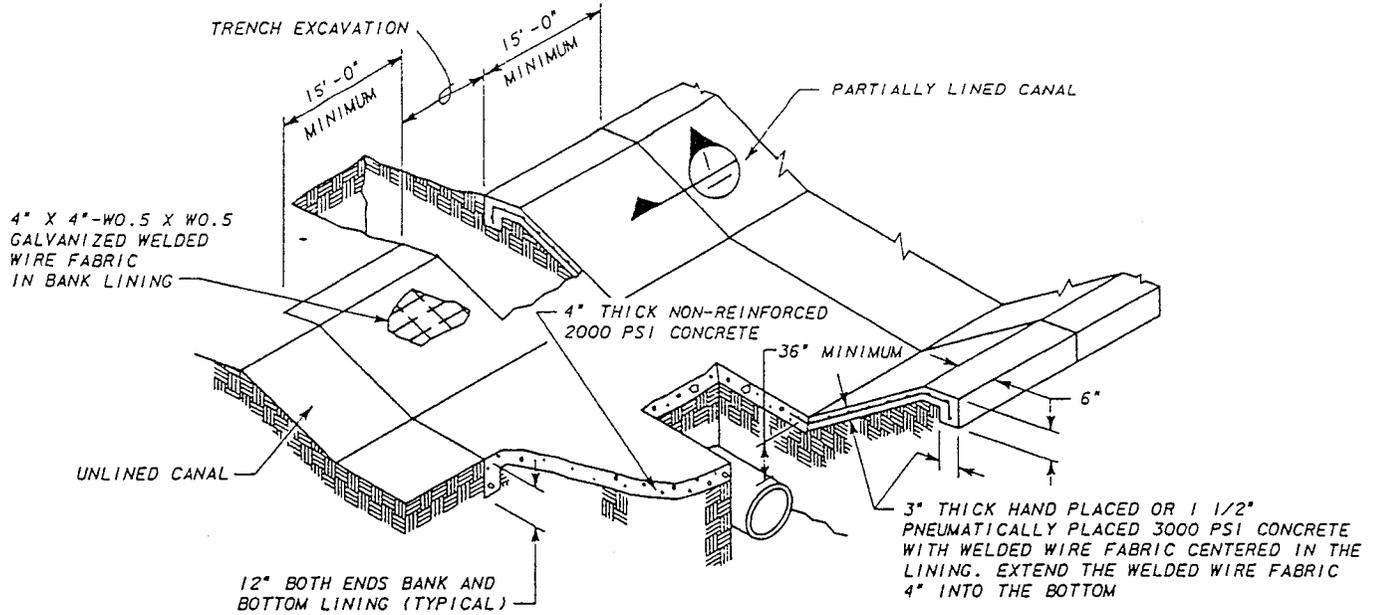
**ITEM 610-2 54" WATER LINE RELOCATION**

Work to retrofit the existing 54-inch water line with restrained joints shall include welding of the joints as called for on the plans and shall include all costs of potholing, excavation, locating and cleaning the joints, protection of existing utilities and improvements, shoring and bracing, backfilling, compaction and all work not specifically covered in the other pay items. Payment for retrofitting with restrained joints shall be made on the basis of price per each welded joint as bid for:

**ITEM 610-3 RETROFIT RESTRAINED JOINTS ON EXISTING 54" WATER LINE**

*SPECIAL.CRO*

# APPENDIX



## UNDERCROSSING UNLINED AND PARTIALLY LINED CANAL

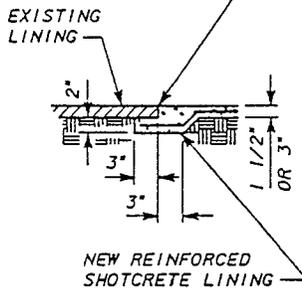
### PARTIALLY LINED (BANKS ONLY)

1. EXISTING BANK LINING SHALL BE SAWCUT OR MECHANICALLY SCORED AND REMOVED 36 INCHES (EACH SIDE) FROM THE EDGE OF THE EXCAVATION TO A NEAT VERTICAL EDGE. REMOVE ANY LOOSE OR FOREIGN MATERIAL.
2. BOTTOM LINING IS TO BE INSTALLED ON UNDISTURBED CANAL BOTTOM MATERIAL AND KEYED IN WITH A 12 INCH MINIMUM TURNDOWN ALONG THE EDGE.

### UNLINED AND PARTIALLY LINED CANALS

1. NO MANHOLES, RISERS, OR OTHER SIMILAR FACILITIES ARE TO BE PLACED IN ANY PORTION OF CANAL RIGHT-OF-WAY WITHOUT SPECIFIC AUTHORIZATION IN AN SRP LICENSE.
2. THE TOP OF PIPE OR CONCRETE ENCASEMENT IN ANY PORTION OF THE CANAL RIGHT-OF-WAY IS TO BE A MINIMUM OF 36 INCHES BELOW THE GROUND OR FINISHED SURFACE.
3. UNSUITABLE MATERIAL FROM THE BANKS AND BOTTOM OF THE CANAL SHALL BE REMOVED TO A TWO FOOT MINIMUM DEPTH, REPLACED WITH COHESIVE MATERIAL AT OPTIMUM MOISTURE CONTENT, SHAPED AND COMPACTED IN 6 INCH LIFTS TO A MINIMUM OF 90 PERCENT OF MAXIMUM PROCTOR DENSITY (ASTM D698). THE TOP OF BANK AND BOTTOM ELEVATIONS SHALL BE SET BY THE SRP ENGINEER.
4. THE UNLINED CANAL BANK SURFACES SHALL BE SHAPED TO A SLOPE DETERMINED BY THE SRP ENGINEER. THE SLOPE SHALL NOT BE STEEPER THAN 3/4 TO 1 AND MAY NOT MATCH THE EXISTING BANK SLOPES. TRANSITION FROM THE EXISTING UNLINED BOTTOM AND BANKS TO THE NEW LINING AT A MAXIMUM 4 TO 1 SLOPE.
5. A WHITE PIGMENTED CURING COMPOUND SHALL BE APPLIED IMMEDIATELY AFTER PLACING ALL NEW CONCRETE.
6. DIRT OR DEBRIS PLACED IN THE CANAL FOR ANY REASON SHALL BE COMPLETELY REMOVED UPON COMPLETION OF THE CROSSING.
7. ANY EXISTING SRP FACILITIES DAMAGED OR DESTROYED DURING THE CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE SRP ENGINEER.
8. THE ENTIRE CANAL RIGHT-OF-WAY INCLUDING THE CANAL ROADWAY SURFACES SHALL BE RESTORED TO THEIR ORIGINAL OR BETTER CONDITION.

SAWCUT EXISTING LINING TO A NEAT VERTICAL EDGE. REMOVE ANY LOOSE OR FOREIGN MATERIAL



BANK LINING  
TIE DETAIL

### REFERENCES

PREPARATION OF SUBGRADE FOR CANAL  
LINING SPECIFICATION \_\_\_\_\_ CE 02.490  
CANAL BANK REINFORCEMENT  
SPECIFICATION \_\_\_\_\_ CE 03.212  
CONCRETE MATERIALS &  
CONCRETE SPECIFICATION \_\_\_\_\_ CE 03.300  
PLACEMENT OF CANAL BOTTOM  
CONCRETE SPECIFICATION \_\_\_\_\_ CE 03.361  
PLACEMENT OF CANAL BANK  
SHOTCRETE SPECIFICATION \_\_\_\_\_ CE 03.362  
THIS DRAWING REPLACES B-54-58

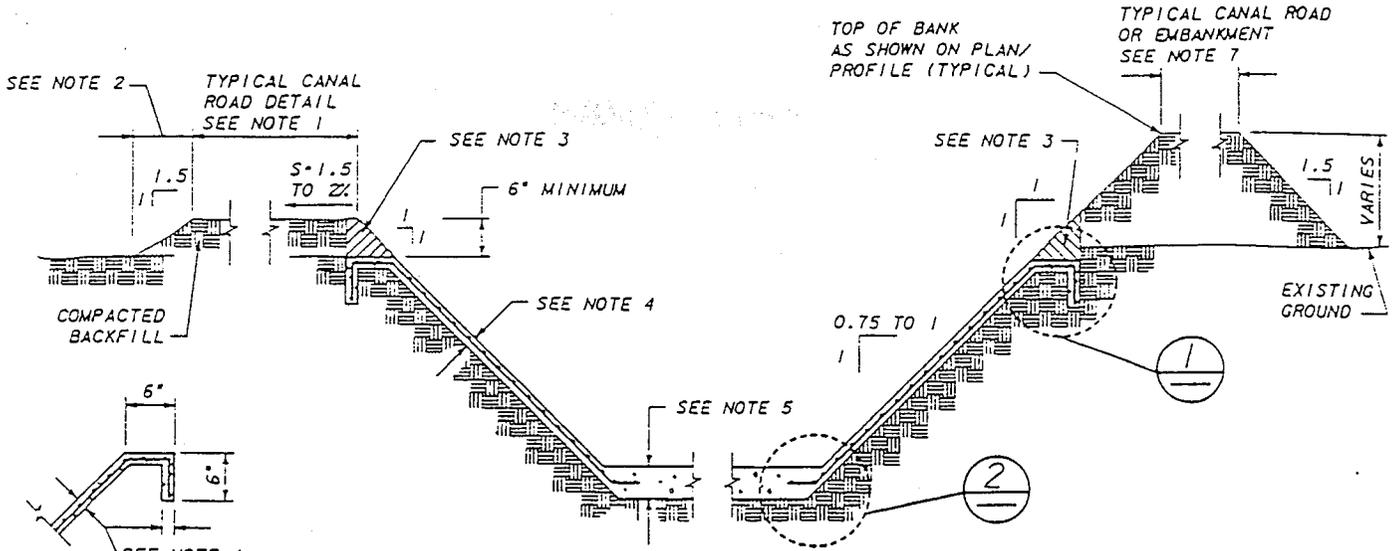
### REVISIONS

REV NO	DATE	DFTR	CHKR	ENGR CHK	SUPP APPD	ISSUE AUTH
INITIAL ISSUE.						
0	12/88	AK	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

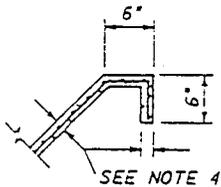
SALT RIVER PROJECT  
CIVIL ENGINEERING STANDARDS

UNLINED &  
PARTIALLY LINED  
CANAL  
UNDERCROSSING

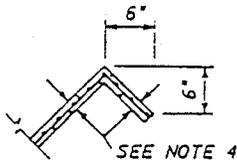
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DWG SIZE    **CES-30100-002**  
17 X 22



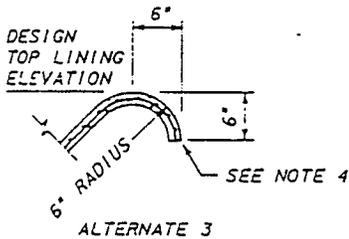
### TYPICAL CANAL SECTION



ALTERNATE 1



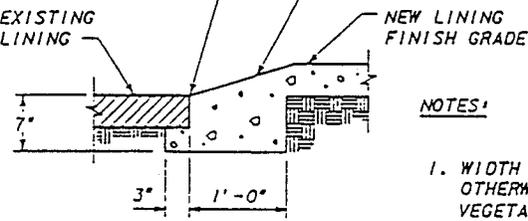
ALTERNATE 2



ALTERNATE 3

CUT EXISTING LINING TO A NEAT VERTICAL EDGE. REMOVE ANY LOOSE OR FOREIGN MATERIAL

TRANSITION THE CANAL BOTTOM LINING AT A 4:1 MAXIMUM SLOPE FROM THE EXISTING LINING ELEVATION TO THE NEW LINING FINISH GRADE

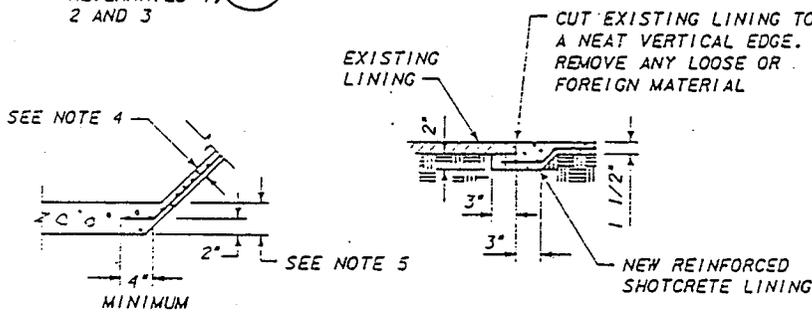


DETAIL 3  
SEE NOTE 6

NOTES:

1. WIDTH OF CANAL ROAD TO BE 20' MINIMUM UNLESS OTHERWISE SPECIFIED. STRIP ROADWAY OF ALL VEGETATION AND LOOSE MATERIAL WITHIN THE LIMITS OF CONSTRUCTION, AND MOISTEN PRIOR TO PLACEMENT OF SUITABLE FILL MATERIAL. FILL SHALL BE PLACED IN 8 INCH MAXIMUM UNCOMPACTED LIFTS AT +2% TO -4% OF THE OPTIMUM MOISTURE CONTENT AND COMPACTED TO A MINIMUM OF 90% PER ASTM D698. SLOPE AWAY FROM CANAL AT 1.5% TO 2%.
2. TOE OF SLOPE TO BE WITHIN THE RIGHT OF WAY OR OTHER PRESCRIBED LIMITS OF CONSTRUCTION.
3. TOP OF EXISTING BANKS TO BE STRIPPED OF ALL VEGETATION AND LOOSE MATERIAL. BACKFILL WITH MOISTENED COHESIVE MATERIAL. STABILIZE TO PREVENT SLOUGHING.
4. MINIMUM 1 1/2 INCH THICK PNEUMATICALLY PLACED CONCRETE (3000 PSI) REINFORCED WITH GALVANIZED 4 X 4-WO.5 X WO.5 WELDED WIRE FABRIC CENTERED IN LINING.
5. CANAL BOTTOM TO BE MINIMUM 4 INCHES THICK NONREINFORCED CONCRETE (2000 PSI).
6. USE DETAILS 3 AND 4 FOR TIE-IN TO EXISTING LINING.
7. WHERE CANAL HAS ONLY EMBANKMENT ON ONE SIDE, MINIMUM TOP WIDTH OF EMBANKMENT SHALL BE 18".

DETAIL 1  
ALTERNATES 1, 2 AND 3



DETAIL 2

DETAIL 4  
SEE NOTE 6

REFERENCES		REVISIONS							SALT RIVER PROJECT CIVIL ENGINEERING STANDARDS	
PREPARATION OF SUBGRADE FOR CANAL LINING SPECIFICATION	CE 02.490	REV NG	DATE	DFTR	CHKR	ENGR CHK	SUPV APPD	ISSUE AUTH	<p style="text-align: center; font-size: 2em;">TYPICAL CANAL LINING SECTION</p> <p>SCALE: NOT TO SCALE    STD. 30100006.CES</p> <p>DWG SIZE: 17 X 32    CES-30100-006</p>	
CANAL BANK REINFORCEMENT SPECIFICATION	CE 03.212	INITIAL ISSUE.								
CONCRETE AND NON-STRUCTURAL GROUT SPECIFICATION	CE 03.300	0	12/88	AK	WJC	REL	AR	TNS		
PLACEMENT OF CANAL BOTTOM CONCRETE SPECIFICATION	CE 03.361	ADD TOP LINING ALTERNATES 2 & 3.								
PLACEMENT OF CANAL BANK SHOTCRETE SPECIFICATION	CE 03.362	1	1/91	AK	CWT	L.W.S.	ME TEAM	<i>[Signature]</i>		
CANAL SAFETY STEP DETAIL	CES-30100-005									
CANAL LINING TIE STRUCTURE DETAIL	CES-30100-008									

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
ADDENDUM NO. 1

JULY 21, 1994

CONTRACT FCD 94-18

Page 1 of 2

To Contract Documents

Title: 54" and 12" Water Line Relocations Under the Old Cross Cut Canal

Owner: Flood Control District of Maricopa County and the City of Phoenix

The above documents are herein modified. The provisions of said documents applicable to modifications remain unchanged unless specifically indicated otherwise herein. The Addendum No. 1 forms a part of the Contract Documents and modifies them as follows:

To Bidding Schedule, Page 6 of 30

The Contractor will replace the existing Bidding Schedule with the revised Bidding Schedule, Page 6R of 30, attached as a part of this Addendum No. 1. The revised Bidding Schedule contains the following changes.

In Bid Item 107-3 Implementation of Health and Safety Plan; The unit cost will be a lump sum cost of \$56,000 and the extended amount will be \$56,000.

In Bid Item 107-4 Disposal of Contaminated Soils; The unit cost will be a cost per cubic yard of \$50 and the extended amount will be \$5,000.

To Supplementary General Conditions, Page 8 of 12

Subsection 107.5.4 - Contractor Health & Safety Provisions: Replace the third paragraph, for payment of Bid Item 107-3, with the following revised paragraph - "Payment for implementation of the Health & Safety Plan shall be actual cost plus 10% as a contingency item to be authorized only by the Engineer. The total amount of contingency Bid Item 107-3 will be the not to exceed extended amount shown in the Bid Schedule, and will be included in the total contract amount for the purpose of determining the low bid amount."

Replace the sixth paragraph, for payment of Bid Item 107-4, with the following revised paragraph - "Payment for disposal of contaminated soils shall be made on a cubic yard basis as shown on the Bid Schedule, as a contingency item to be authorized only by the Engineer, and will include the costs for imported backfill material. The total amount of contingency Bid Item 107-4 will be the extended amount shown in the Bid Schedule, and will be included in the total contract amount for the purpose of determining the low bid amount."

Page 10 of 12

Subsection 107.10 - Contractor's Responsibility for Work: Change Part F to read - "The ground water infiltration rate has been estimated at approximately  $(0.04 \text{ gpm/ft/ft}) \times (d) \times (P)$ , where  $d$ =depth below groundwater in feet, and  $P$ =perimeter of trench at that depth in feet."

To Special Provisions, Page 5 of 6

Subsection 610.4 - Construction Methods: Add the following - "The Contractor will coordinate with the City for the draining of the 54" water main prior to cutting into it. The valves on this line are spaced about one-half mile apart, one located at Hubbell Street and another at Virginia Avenue. The water main may be drained through existing hydrants. Because the water main gradient is very flat, air may have to be pumped into the water main to force out the water and drain the pipe. The City will open the hydrants and supervise the draining of the water main."

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY  
ADDENDUM NO. 1

JULY 21, 1994

CONTRACT FCD 94-18

Page 2 of 2

To Construction Drawings, Sheet 4 of 5

In the plan and the profile, note that the existing underground teleco facilities are shown incorrectly. There is no underground teleco cable as shown between the underground 8" and 4" gas lines. There is an underground eight conduit teleco ductbank located between the gas lines and the sanitary sewer line. The Contractor will locate the existing underground utilities as required in accordance with the Supplementary General Conditions and Blue Stake procedures.

FLOOD CONTROL DISTRICT  
OF MARICOPA COUNTY

By: *D. E. Sagramoso*

D. E. Sagramoso, P.E.  
Interim Chief Engineer and General Manager

GREINER, INC.

By: *Vince Gibbons P.E.*

Vince Gibbons, P.E.  
Project Manager



**BIDDING SCHEDULE**

PROJECT: 54" and 12" Water Line Relocations, Old Cross Cut Canal

CONTRACT: FCD 94-18

ITEM NO	DESCRIPTION	APPROX QTY	UNIT	UNIT COST(IN WRITING) AND/100 DOLLARS	UNIT COST NUMBERS	EXTENDED AMOUNT
107-1	NPDES/SWPPP Permits	L.S.	1			
107-2	Preparation of Health & Safety Plan	L.S.	1			
107-3	Implementation of Health and Safety Plan	L.S.	1	Fifty-Six Thousand Dollars and No/100	56,000.00	56,000.00
107-4	Disposal of Contaminated Soils	C.Y.	100	Fifty Dollars and No/100	50.00	5,000.00
107-5	Ground Water Dewatering	L.S.	1			
336	Pavement Replacement	S.Y.	190			
350	Miscellaneous Removal of Existing Improvements	L.S.	1			
401	Traffic Control	L.S.	1			
505-1	Concrete Encasement for 12" Water line MAG Det. 402	L.F.	44			
505-2	Concrete Encasement for 54" Water line MAG Det. 402	L.F.	44			
505-3	Concrete Encasement for 54" Water Line Fittings	L.F.	30			
505-4	Concrete Encasement for 12" Water Line MAG Det. 404	L.F.	14			
505-5	Concrete Encasement for 54" Water Line MAG Det. 404	L.F.	14			
505-6	Concrete Encasement for 15" Sanitary Sewer MAG Det. 404	L.F.	30			
505-7	Concrete Canal Lining	S.Y.	280			
610-1	12" Water Line Relocation	L.F.	145			
610-2	54" Water Line Relocation	L.F.	95			
610-3	Retrofit Restrained Joints on Existing 54" Water Line	EA.	8			

**TOTAL ESTIMATED CONSTRUCTION COST:** \_\_\_\_\_

MARICOPA COUNTY  
 MINORITY/WOMEN-OWNED BUSINESS OFFICE  
 LIST OF CERTIFIED FIRMS SORTED BY BUSINESS TYPE

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Business Type	Firm Contact Name	Phone M/WBE Status	Address
ACCESS CTRL/CCTV/SECURITY SYSTEMS	ASSI SECURITY OF ARIZONA MICHAEL K. LIEBECK	(602) 581-0101 MBE	2401 W. BEHREND DR., #87-89 PHOENIX, AZ 85027-
ACCOUNTING - CERTIFIED PUBLIC	NANCY M GUY CPA NANCY M GUY, CPA	(602) 991-1413 WBE	9832 N HAYDEN #203 SCOTTSDALE, AZ 85258-
ACTUARIAL & EMPLOYEE BENEFIT CONSULTING	PENSION PERSPECTIVES, INC. CAROL LLOYD	(602) 234-3254 MBE	3101 N. CENTRAL AVE., #830 PHOENIX, AZ 85012-
ADVERTISING AGENCY	LA CRESTA, INC. OLIVIA S. ESCOBAR	(602) 458-6472 MBE	35 SCHOOL DR. NE SIERRA VISTA, AZ 85635-
ADVERTISING AGENCY	MEDIA BUYING SERVICES INC. KATHY MUNSON	(602) 996-2232 WBE	4545 E. SHEA BLVD. #125 PHOENIX, AZ 85028-
ADVERTISING IN EL SOL NEWSPAPER	PREMIER COMMUNICATIONS RAY FLORES	(602) 234-3464 MBE	4001 N. 3RD STREET #465 PHOENIX, AZ 85012-
ADVERTISING, MARKETING PUBLIC RELATIONS	MUNOZ Y ASOCIADOS JOE F. MUNOZ	(602) 939-1626 MBE	5126 W. OLIVE AVE. BOX 216 GLENDALE, AZ 85302-
ADVERTISING, MARKETING, PUBLIC RELATIONS	TOPETE/STONEFIELD CONSULTANTS LIZ TOPETE STONEFIELD	(602) 254-8780 WBE	325 WEST ENCANTO BOULEVARD PHOENIX, AZ 85003-
AERIAL PHOTOGRAPHY	AERIAL DATA SERVICE, INC. LYN HENRY	(918) 437-8453 WBE	10822 E. NEWTON PL. TULSA, OK 74116-
AGGREGATE & LANDSCAPE MATERIALS	FORT McDOWELL SAND & GRAVEL JOHN C. KIRK	(602) 837-2358 MBE	P.O. BOX 17150 FOUNTAIN HILLS, AZ 85269-
AIR FILTER CLEANING SERVICE	AMERICAN AIR FILTER SERVICE CORPORATION CONSTANCE L. ROHRER	(602) 966-8588 WBE	1615 W. UNIVERSITY DR., #133 TEMPE, AZ 85281-
AIR PLACED CONCRETE	FISHER SHOTCRETE, INC. JANICE FISHER	(602) 897-7824 WBE	13721 E. MORGAN DR. GILBERT, AZ 85234-
ANESTHESIOLOGY	ALBERTA MAZZEI M.D DR. ALBERTA MAZZEI	(602) 267-5141 WBE	P.O. BOX 5099 PHOENIX, AZ 85010-
ANESTHESIOLOGY	CHANDRA KANT B. PATEL, M.D. DR. CHANDRA KANT B. PATEL	(602) 267-5141 MBE	P.O. BOX 5099 PHOENIX, AZ 85010-
ANESTHESIOLOGY	DANIEL T. TILLMAN, M.D DR. DANIEL T. TILLMAN	(602) 267-5141 MBE	P.O. BOX 5099 PHOENIX, AZ 85010-
ANESTHESIOLOGY	DEBORAH M. VERNASCO, M.D. DR. DEBORAH M. VERNASCO	(602) 267-5141 WBE	P.O. BOX 5099 PHOENIX, AZ 85010-
ANESTHESIOLOGY	INA G. LIEBERMAN, M.D. DR. INA G. LIEBERMAN	(602) 267-5141 WBE	P.O. BOX 5099 PHOENIX, AZ 85010-

MARICOPA COUNTY  
 MINORITY/WOMEN-OWNED BUSINESS OFFICE  
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Business Type	Firm Contact Name	Phone M/WBE Status	Address
ANESTHESIOLOGY	MOHAMMAD J. KHAN, M.D. DR. MOHAMMAD J. KAHN	(602) 267-5141 MBE	P.O. BOX 5099 PHOENIX, AZ 85010-
ANESTHESIOLOGY	PAUL LIN, M.D. DR. PAUL LIN	(602) 267-5141 MBE	P.O. BOX 5099 PHOENIX, AZ 85010-
ANESTHESIOLOGY	ROBIN L. PRENTICE-BERKSETH, M.D. DR. PRENTICE-BERKSETH	(602) 267-5141 WBE	P.O. BOX 5099 PHOENIX, AZ 85010-
ANESTHESIOLOGY	WILLIAM MURRY SMITH, M.D. DR. WILLIAM MURRY SMITH	(602) 267-5141 MBE	P.O. BOX 5099 PHOENIX, AZ 85010-
ANESTHESIOLOGY	WILLIAM T. JOHNSON, M.D. DR. WILLIAM T. JOHNSON	(602) 267-5141 MBE	2601 E. ROOSEVELT PHOENIX, AZ 85254-
ANIMAL & PET CLINIC & HOSPITAL	SANTIS PET CLINIC HUGO SANIBANEZ	(602) 247-0003 MBE	6003 W. THOMAS RD. PHOENIX, AZ 85033-5854
ARCHAEOLOGICAL SURVEY, TESTING	ARCHAEOLOGICAL CONSULTING SERVICES, LTD MARGERIE GREEN, PH.D	(602) 884-5477 WBE	424 W. BROADWAY TEMPE, AZ 85281-
ARCHAEOLOGY, CULTURAL RESOURCE CONSLT.	KINLANI ARCHAEOLOGY CULTURAL RESOURCE DEBORAH S. DOSH	(602) 556-9797 WBE	2101 N. 4TH STREET, #220 FLAGSTAFF, AZ 86004-
ARCHAEOLOGY/ENVIRONMENTAL CONSULTING	CULTURAL & ENVIRONMENTAL SYSTEMS MARY LOU HEUETT	(602) 622-2782 WBE	P.O. BOX 2324 TUCSON, AZ 85702-
ARCHITECT	ROBERT GOMEZ ARCHITECT, A.I.A. ROBERT GOMEZ	(602) 263-0329 MBE	77 EAST WELDON SUITE 289 PHOENIX, AZ 85012-
ARCHITECTURAL DESIGN	SALAZAR ASSOCIATES ARCHITECTS LTD. LUIS A. SALAZAR	(602) 274-0846 MBE	313 E. THOMAS RD., #208 PHOENIX, AZ 85012-
ARCHITECTURAL FIRM	FOREMAN WENGER ARCHITECTS LISA FOREMAN	(602) 244-2475 WBE	426 N. 44TH STREET, #252 PHOENIX, AZ 85008-6595
ARCHITECTURAL INTERIORS	McCARTHY NORDBURG, LTD. JUDITH NORDBURG	(602) 955-4499 WBE	3333 E. CAMELBACK RD. #180 PHOENIX, AZ 85018-
ARCHITECTURAL MILLWORK	LADY WOODRUFF CABINENTRY, INC. PABLO D. GARCIA	(602) 237-4224 MBE	4812 S. 43RD AVE PHOENIX, AZ 85041-
ARCHITECTURAL, FULL SERVICE	WYATT/RHODES ARCHITECTS, INC. BURKE WYATT	(602) 956-8558 MBE	4524 N. 12TH ST. PHOENIX, AZ 85014-
ARCHITECTURAL, PROJECT MANAGEMENT	ADM GROUP, INC. BEN P. BARCON	(602) 253-5555 M/WBE	400 E. VAN BUREN ST., #555 PHOENIX, AZ 85004-
ARCHITECTURAL SERVICE	VEHR/WEBB STUDIO MARET WEBB	(602) 957-6294 WBE	4118 E. VERNON AVE. PHOENIX, AZ 85008-

MARICOPA COUNTY  
 MINORITY/WOMEN-OWNED BUSINESS OFFICE  
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Business Type	Firm Contact Name	Phone M/WBE Status	Address
ARCHITECTURAL SIGNS	TENCO CAROL S. THOMPSON	(602) 277-4713 WBE	1702 W. CAMELBACK RD., #284 PHOENIX, AZ 85015-
ART APPRAISER AND CONSULTANT	CORINNE CAIN LTD CORINNE CAIN	(602) 279-2167 WBE	5726 N. 10TH ST., #6 PHOENIX, AZ 85014-
ARTS, GRAPHIC DESIGN, POSTER, LOGOS	DUGAL CHEE IMAGE BANK CHRISTEL CHEE	MBE	1202 E. KALER DR. PHOENIX, AZ 85020-
ASPHALT/OIL APPLICATION & TRANSPORT	CACTUS TRANSPORT, INC. J.R. DOMENY	(602) 242-9983 WBE	P.O. BOX 11605 PHOENIX, AZ 85013-
ATTENDANT CARE	VALLEY WIDE ATTENDANT CARE MICHELLE J. BRUNE	(602) 917-0009 WBE	497 W. RAY RD., #D CHANDLER, AZ 85224-
AUDIO/VISUAL RETAIL SALES	ENTERPRENEUR VENTURES RODERIC L. WEBB	(602) 276-5516 MBE	1843 E. ALTA VISTA RD. PHOENIX, AZ 85040-
AUDITS, PERFORMANCE & LOSS PREVENTION	CSE-CUSTOMER SATISFACTION EVALUATIONS SYLVIA F. TAKEUCHI	(602) 870-0396 WBE	7028 N. 11TH AVENUE PHOENIX, AZ 85021-
AUTO BODY REPAIR & REFINISHING	TOM'S AUTO BODY, INC. TOM S. OCANO	(602) 252-4134 MBE	1327 E. BUCKEYE RD PHOENIX, AZ 85034-
AUTO UPHOLSTERY	LOPEZ AUTO TOPS ANNIE LOPEZ	(602) 242-4096 MBE	5410 N. 27TH AVE. PHOENIX, AZ 85017-
AVIATION CONSULTING FIRM	UNISON CONSULTING GROUP, INC. ANTHONY Q. DRAKE	(312) 421-4200 MBE	1021 W. ADAMES STREET, #102 CHICAGO, IL 60607-
BACKFLOW PREVENTION, TEST & REPAIRS	ARIZONA CROSS CONECTION SUEO MURAKAMI	(602) 842-9405 MBE	4116 W. NORTHERN AVE PHOENIX, AZ 85051-
BUILDING & MASONRY SUPPLIES	PREACH BUILDING SUPPLY PHILLIP PREACH	(602) 944-4594 MBE	1601 W. HATCHER PHOENIX, AZ 85021-
CAMERA READY ART, DESIGN & PRODUCE	McCOMB & ASSOCIATES, INC. PATRICIA MCCOMB-STOWE	(602) 248-9255 WBE	4700 N. 12TH ST., #206 PHOENIX, AZ 85014-
CARPET & FURNITURE CLEANING	F.W.W. CLEANING CLUB FRED W. WALKER, JR.	(602) 276-2765 MBE	1837 W. MALDONADO RD. PHOENIX, AZ 85041-
CARPET AND FLOOR TILE INSTALLATION	B & C FLOOR COVERING BENJAMIN R. CASTILLO	(602) 934-5956 MBE	6438 W. GLENDALE AVE. GLENDALE, AZ 85301-
CASSISSON DRILLING, PILE DRIVING	INTRA-AMERICAN FOUNDATION & DRILLING CO. SALVADOR ALTAMIRANO	(602) 256-2843 MBE	502 W. WATKINS RD. PHOENIX, AZ 85003-
CERTIFIED PUBLIC ACCOUNTANTS	FLORENTINO J. GONZALES, CPA, P.C. FLORENTINO J. GONZALES	(602) 941-1950 MBE	1805 N. SCOTTSDALE RD., #3 TEMPE, AZ 85281-

MARICOPA COUNTY  
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Business Type	Firm Contact Name	Phone M/WBE Status	Address
CHEMICAL & ENVIRONMENTAL ENGINEERING	GUTIERREZ/PALMENBERG GILBERT GUTIERREZ	(602) 234-0696 MBE	2922 W. CLARENDON PHOENIX, AZ 85017-
CHILD CARE SERVICES	SUMMA ASSOCIATES KAREN WOODFORD	(602) 820-9844 WBE	735 E. GUADALUPE TEMPE, AZ 85283-
CIVIL & ENVIRONMENTAL ENGINEERING	DAMON S. WILLIAMS ASSOCIATES DAMON S. WILLIAMS	(602) 265-5400 MBE	645 E. MISSOURI AVE. # 270 PHOENIX, AZ 85012-
CIVIL & STRUCTURAL ENGINEERING	BKS ENGINEERS, INC BAL K. SANAN, PH.D	(602) 864-8995 MBE	8433 N. BLACK CANYON HWY.#152 PHOENIX, AZ 85021-
CIVIL AND STRUCTURAL	SUNDARAM ENGINEERING SHAN SUNDARAM	(602) 839-3445 MBE	833 WEST PORTOBELLO MESA, AZ 85210-
CIVIL ENGINEER	BAY CITY ENGINEERS RUTH FRANKLIN	(602) 788-5595 WBE	4631 E. ACOMA DR. PHOENIX, AZ 85032-4897
CIVIL ENGINEERING	ENGINEERING ALLIANCE JIT S. PEGANY	(602) 954-8344 MBE	4120 N. 20TH STREET, #B PHOENIX, AZ 85016-
CIVIL ENGINEERING & LAND SURVEYING	AZTEC ENGINEERING HERMANT K. PATEL	(602) 263-9640 MBE	4515 N. 16TH ST., #202 PHOENIX, AZ 85016-5363
CIVIL ENGINEERING & SURVEYING	ALPHA ENGINEERING DINKAR GANGWAL	(602) 795-8600 MBE	3131 E. SECOND STREET TUCSON, AZ 85716-
CIVIL ENGINEERING CONSULTING SERVICES	STEVE CORRALES ENGINEERING CORP. STEVEN CORRALES, JR.	(602) 622-2553 MBE	1008 W. ST. MARY'S RD., BLDG.1 TUCSON, AZ 85745-
CIVIL ENGINEERING SERVICES	COLLINS-PINA CONSULTING ENGINEERS, INC. JERRY A. COLLINS	(602) 264-7505 MBE	3800 N. CENTRAL AVE., #530 PHOENIX, AZ 85012-
CIVIL ENGINEERING, LAND SURVEYOR	PROJECT ENGINEERING CONSULTANTS, LTD. LARRY MALDONADO	(602) 484-7691 MBE	3130 N. 35TH AVE., #1 PHOENIX, AZ 85017-
CIVIL ENGINEERS	URBAN ENGINEERING, INC. FORREST L. METZ	(602) 220-0004 MBE	4146 N. 12TH ST. PHOENIX, AZ 85014-
CIVIL ENGINEERS, DESIGN, CONSTR.MGMT.	R S ENGINEERING, INC. ROBERT M. SUAREZ	(602) 791-3933 MBE	595 S. MEYER AVE. TUCSON, AZ 85701-
CIVIL, HYDROLOGY & LAND SURVEYING	WOOD, PATEL & ASSOCIATES, INC. ASHOK C. PATEL	(602) 234-1344 MBE	1550 E. MISSOURI PHOENIX, AZ 85014-
CIVIL/STRUCTURAL ENGINEERING SERVICES	A. K. ENGINEERING A. K. NARASIMHAN	(602) 839-3747 MBE	936 W. MESETO MESA, AZ 85210-
CLEANING PRODUCTS RETAIL & CONSULTING	THE CANALES GROUP IRENE CANALES SIMONETTI	(602) 496-0349 M/WBE	P.O. BOX 50563 PHOENIX, AZ 85076-0563

MARICOPA COUNTY  
 MINORITY/WOMEN-OWNED BUSINESS OFFICE  
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Business Type	Firm Contact Name	Phone M/WBE Status	Address
CLEANING SUPPLIES	DYNAMIC PROGRAM PLANNING, INC. THOMAS WILSON, III	(602) 276-6550 MBE	P.O. BOX 8280 PHOENIX, AZ 85066-
CLEANING/DEGREASING CHEMICALS	SOQ ENVIROMENTAL TECHNOLOGY OLABISI CARLTON-CAREW	(602) 838-5564 MBE	2413 E. MANHATTON DR. TEMPE, AZ 85282-
COMMERCIAL ART	JO HALTERMON DESIGN JO HALTERMON	(606) 384-3311 WBE	1409 MT. ZION ROAD UNION, KY 41091-
COMMERCIAL FURNITURE REPAIR	MIST SYSTEMS LYDIA AVALOS	(602) 759-0595 MBE	16422 SOUTH 46TH PLACE PHOENIX, AZ 85044-
COMMERCIAL MACHINE EMBROIDERY	IMAGE EMBROIDERY PATRICIA WILLIAMS	(602) 866-3443 WBE	13039 N. 34TH DR. PHOENIX, AZ 85029-
COMMUNICATION SKILLS CONSULTING	VALENTINE COMMUNICATION CAROL ANN VALENTINE	(602) 967-2817 WBE	2607 S. FOREST TEMPE, AZ 85282-
COMMUNICATIONS INSTALLATION	ADKINS CABLING SYSTEMS TAD ADKINS	(602) 889-2206 MBE	1010 E. PENNSYLVANIA st., #201 TUCSON, AZ 85714-
COMMUNITY RELATIONS	ACW & ASSOCIATES ANNE C. WARNER	(602) 743-8866 WBE	4901 W. HARRIS HAWK PLACE TUCSON, AZ 85745-
COMPUTER CONSULTING	RB BALCH AND ASSOCIATES ROCHELLE BALCH	(602) 561-9366 WBE	22504 N. 61ST DR. GLENDALE, AZ 85310-
COMPUTER HARDWARE & SOFTWARE SALES	McBRIDE AND ASSOCIATES, INC. TERESA N. McBRIDE	(505) 828-9211 M/WBE	6013 SIGNAL ROAD N.E. ALBUQUERQUE, NM 87113-
COMPUTER HARDWARE SALES, SOFTWARE	TAYLORD COMPUTER MARKETING, CROP. JEANETTE HENDRICKS	(602) 569-0011 WBE	P.O. BOX 54310 PHOENIX, AZ 85024-
COMPUTER RESELLER	BOTTOMLINE ENTERPRISES, INC. TANDY HAMILTON	(602) 892-4436 MBE	8433 N. BLACK CANYON HY., #156 PHOENIX, AZ 85021-
COMPUTER SALES & SERVICE	TRANSOURCE COMPUTERS LEE TING	(602) 997-8101 MBE	2033 W. NORTH LANE, #18 PHOENIX, AZ 85021-
COMPUTER SALES & TECH.SUPPORT	J. J. CRONEY & ASSOCIATES JERRY CRONEY	(602) 894-6068 WBE	1635 W. UNIVERSITY #125 TEMPE, AZ 85281-
COMPUTER SUPPORT SERVICES, ENG., ARCH	COLE FINANCIAL SERVICES JOSODA A. COLE	(313) 962-7055 MBE	65 CADILLAC SQUARE, #2215 DETRIOT, MI 48226-
COMPUTER SYSTEMS INTEGRATION	REALSOFT CONSULTING, INC. YATO ADEYEMI	(602) 996-3722 MBE	4320 E. SHEA BLVD, #109 PHOENIX, AZ 85028-
COMPUTER TRAINING	MICRO PROFESSIONALS, INC. NIKKI CAPETZ	(602) 945-0992 WBE	6991 E. CAMELBACK RD., #D-300 SCOTTSDALE, AZ 85251-

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CONCRETE COMPANY	RAY-O-CONCRETE, INC RAY ORTEGA	(602) 566-6151 MBE	22624 N. 83RD AVENUE PEORIA, AZ 85382-
CONCRETE CONSTRUCTION	3-D DEVELOPMENT DAVID DAVIS	(602) 892-5606 MBE	953 E. JUANITA, #C-5 CHANDLER, AZ 85204-
CONCRETE CONSTRUCTION	BESS CONSTRUCTION, INC. ELAIN SWEETLAND	(602) 482-0610 WBE	2250 E. KATHLEEN PHOENIX, AZ 85022-
CONCRETE FLATWORK, CURBS, SIDEWALKS ETC.	EXPRESS CONCRETE ALEXANDER OROSCO	(602) 276-7858 MBE	105 W. BUIST PHOENIX, AZ 85041-
CONSTRUCTION MANAGEMENT	DDH CONSULTING DEBORAH D. HOFFMANN	(602) 877-0111 WBE	8730 W. FLOWER ST. PHOENIX, AZ 85037-2929
CONSTRUCTION MANAGEMENT	VALLEY WEST - C.E.M. CAROLYN M. DOTSON	(602) 243-6576 MBE	2438 EAST CHIPMAN ROAD #2 PHOENIX, AZ 85040-
CONSTRUCTION MANAGMENT	PMA CONSULTANTS, INC. DR. GUI PONCE DE LEON	(602) 277-7307 MBE	3800 N. CENTRAL AVE., #460 PHOENIX, AZ 85013-
CONSTRUCTION MATERIALS TESTING	SPEEDIE & ASSOCIATES, INC. HENRIETTA SPEEDIE	(602) 997-6391 M/WBE	11029 N. 24TH AVE., #805 PHOENIX, AZ 85029-
CONSTRUCTION PAVING & GRADING	MAGIC CONSTRUCTION, INC. WARREN EVERETT	(602) 759-1382 MBE	4056 E. WOODLAND DR. PHOENIX, AZ 85044-
CONSTRUCTION PHOTOGRAPHY	PAMELA ROBERTS PHOTOGRAPHY PAMELA ROBERTS LEVITT	(716) 248-9100 WBE	32-1/2 SOUTH MAIN STREET PITTSFORD, NY 14534-
CONSTRUCTION SERVICES	ACTION CONSTRUCTION KENNETH I. MAMODE	(602) 945-9980 MBE	7502 E. McKINLEY ST. SCOTTSDALE, AZ 85257-
CONSTRUCTION SERVICES	CLEMENS CONSTRUCTION CO. JOHN A. CLEMENS	(916) 223-6593 MBE	P.O. BOX 494639 REDDING, CA 96049-
CONSTRUCTION STEEL REINFORCEMENT	PARADISE REBAR, INC. JOEL L. RASCHKE	(602) 516-9056 MBE	P.O. BOX 86458 PHOENIX, AZ 85080-
CONSTRUCTION UNDERGROUND PIPELINE	TIERRA PIPELINE, INC. RICHARD JUAREZ	(602) 780-9374 MBE	22233 N. 23RD AVE. PHOENIX, AZ 85027-
CONSTRUCTION, EARTHWORK, GENERAL	MILLER & ASSOCIATES, INC. ANNMARIE MILLER	(602) 682-2939 MBE	P.O. BOX 818 RILLITO, AZ 85654-0818
CONSTRUCTION, ENVIRONMENTAL	GEC CONSTRUCTION & MANAGEMENT, INC. ROBERT LEON, SR.	(602) 966-8771 MBE	2447 W. 12TH STREET, #5 TEMPE,, AZ 85281-
CONSTRUCTION, GRADING & PAVING	DEL RIO CONTRACTING, INC. WIL LOPEZ	(602) 842-3937 MBE	P.O. BOX 2772 GLENDALE, AZ 85311-2772

MARICOPA COUNTY  
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Business Type	Firm Contact Name	Phone M/WBE Status	Address
CONSTRUCTION, PRE-CAST CONCRETE	STONE RIVER, INC. LOUIS HAMILTON	(505) 281-9484 MBE	905 STATE ROAD 344 SANDIA PARK, NM 87047-
CONSTRUCTION, REMODEL HOMES, ETC.	ARIZONA BUILT RITE, LTD. AL GUTIERREZ	(602) 877-1799 MBE	P.O. BOX 1584 AVONDALE, AZ 85323-
CONSULTANT	SIMON'S CONSULTING SERVICES AMAECHI AKPA	(602) 981-4010 MBE	234 N. 75TH ST., #219 MESA, AZ 85207-
CONSULTING - RESEARCH AND BUSINESS	UNITED MANAGEMENT SYSTEMS BERNARD STEWART	(602) 263-0896 MBE	221 EAST INDIANOLA, #216 PHOENIX, AZ 85012-
CONSULTING ON LOCAL AND FEDERAL PROGRAMS	SJW CONSULTING, INC. S. JEAN WARREN	(602) 545-0044 WBE	1016 S. 21ST STREET MESA, AZ 85204-
CONSULTING SERVICES IN HUMAN RESOURCES	CHEETAH CONSULTING, INC. MARGARET R. TCHIDA	(602) 921-3214 WBE	1234 W. 5TH STREET TEMPE, AZ 85281-
CONSULTING STRUCTURAL ENGINEERS	NABAR STANLEY BROWN, INC. SATEESH J. NABOR, PH.D	(602) 265-7030 MBE	745 E. MARYLAND AVE., #203 PHOENIX, AZ 85014-1524
CONTRACT ENGINEERING FIRM	ETS/CDRL SERVICES, INC. MARTHA S. ALBERTI	(602) 423-0000 WBE	5717 E. THOMAS RD., #3 SCOTTSDALE, AZ 85251-
CONTRACTOR, GENERAL	ACL CONTRACTING EVE NICKOLAISEN	(602) 985-1884 M/WBE	P.O. BOX 20488 MESA, AZ 85215-
CONTRACTORS BOOKS, NEWSPAPERS	CASA FENIX MERCHANDISING, INC. YOLANDA COLLAZOS KIZER	(602) 252-4050 M/WBE	1033 E. JEFFERSON, #500 PHOENIX, AZ 85034-
CONTRACTORS STREET ACCESSORY	STREET UTILITY ADJUSTERS ROSEANN E. MIZIOCH	(602) 987-2154 WBE	716 E. ROSE GARDEN LN. PHOENIX, AZ 85024-
COUNSELING SERVICES	DAWSON COUNSELING SERVICES EUGENE DAWSON, Ph.D.	(602) 954-6255 MBE	P.O. BOX 80352 PHOENIX, AZ 85060-
DATA PROCESSING	CIERRA CONSULTING COMPANY CLAUDIA A. BENNETT	(602) 596-1366 WBE	8687 E. VIA DE VENTURA, #200 SCOTTSDALE, AZ 85258-
DECAL & SIGN SILKSCREEN PRINTING	STEVENS DECAL COMPANY BETH SOPKO	(602) 269-7758 WBE	3336 W. McDOWELL RD. PHOENIX, AZ 85009-
DESIGN ENGINEER, ELECTRONIC COMPUTERS	VALTRONICS ENGINEERING & MANUFACTURING LORENZO J. VALENZUELA	(602) 937-0373 MBE	6602 N. 58TH DR. GLENDALE, AZ 85301-
DESIGN OF TELECOMMUNICATION PRODUCTS	FANS TELECOM, INC. DR. YUAN-NENG FAN	(602) 948-4928 MBE	7850 E. EVENS RD., #103 SCOTTSDALE, AZ 85260-
DIAMOND TIPPED CUTTING TOOLS	SPECIALTY SALES, INC. E.J. CRUICKSHANK	(612) 453-3087 MBE	8629 JEFFERSON HWY. OSSEO, MN 55369-

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Business Type	Firm Contact Name	Phone M/WBE Status	Address
DISABILITY RELATED CONSULTING	ABILITIES UNLIMITED, INC. BILL SCOTT	(602) 953-7755 MBE	11811 N. TATUM BLVD, #3031 PHOENIX, AZ 85028-
DISTRIBUTOR OF MANUFACTURED PRODUCTS	UNIVERSAL PRODUCTS DISTRIBUTION, INC. MICHAEL R. PICONE	(602) 496-5676 MBE	P.O. BOX 51954 PHOENIX, AZ 85076-1954
DISTRIBUTOR OF PLAYING CARDS & GAMES	DAVIS DISTRIBUTORS, INC. CYNTHIA DAVIS	(305) 558-1161 WBE	2450 WEST 82ND STREET #202 HIALEAH, FL 33016-
DRAFTING SERVICE	CHANDLER DRAFTING SERVICE TRACY D. CHANDLER	(602) 582-4892 WBE	20626 N. 4TH AVE. PHOENIX, AZ 85027-
ELECTRICAL CONSTRUCTION	ELECTRICAL CONCEPTS BRUCE D. JACKSON	(602) 934-2986 MBE	8514 N. 40TH AVE. PHOENIX, AZ 85051-
ELECTRICAL CONTRACTING	AZTECA ELECTRICAL CONSTRUCTION, INC. CARLOS YADO	(602) 375-0372 MBE	18426 N. 2N DRIVE PHOENIX, AZ 85023-
ELECTRICAL CONTRACTING	YOUNG ELECTRICAL SERVICES TED YOUNG, PRESIDENT	(602) 939-8773 MBE	6512 N. 60TH AVE. GLENDALE, AZ 85301-
ELECTRICAL CONTRACTOR	C-3 ENERGY CORP. MARIO CORRAL	(602) 968-1515 MBE	1440 S. PRIEST, #101 TEMPE, AZ 85281-
ELECTRICAL CONTRACTOR	MARTINEZ ELECTRIC FRANCISCO J. MARTINEZ	(602) 531-5219 MBE	3109 W. ROOSEVELT PHOENIX, AZ 85009-
ELECTRICAL CONTRACTOR	NEW RIVER ELECTRIC, INC. JEANIE EISCHENS	(602) 780-9516 WBE	2007 W. ROSE GARDEN LN. PHOENIX, AZ 85027-
ELECTRICAL CONTRACTOR, COMMER & INDUSTR.	HERNANDEZ ELECTRICAL, INC. AUGUSTIN HERNANDEZ	(602) 997-7271 MBE	101 W. HATCHER ROAD PHOENIX, AZ 85021-
ELECTRICAL CONTRACTOR, COMMER/INDUSTR.	EXPERT ELECTRIC, INC. LARRY R. WRIGHT	(602) 254-6741 MBE	1119 GRAND AVENUE PHOENIX, AZ 85007-
ELECTRICAL DESIGN FOR AIRPORTS	A.J. REITER ELECTRICAL DESIGN ALMA J. REITER	(602) 992-1091 DBE	15609 N. 21ST STREET PHOENIX, AZ 85022-
ELECTRICAL/MECHANICAL ENGINEERING	JODELL ASSOCIATES JOSEPH OGUNDIJI, P.E.	(602) 949-8901 MBE	6720 E. BELLEVIEW ST. SCOTTSDALE, AZ 85257-3225
ELECTRONIC COMMUN. SALES & SERV.	CHAMBERS ELECTRONIC COMMUNICATIONS ROXANNE R. CHAMBERS	(602) 275-7575 WBE	313 S. 36TH ST. PHOENIX, AZ 85034-
ENGINEERING	KAMALTEK SERVICES RAMAIYER SAINATH	(909) 988-6031 MBE	1806 E. 5TH STREET ONTARIO, CA 91764-2206
ENGINEERING & MANAGEMENT CONSULTANT	SNI INTERNATIONAL RESOURCES, INC. LUPE CARBAJAL	(602) 285-1331 MBE	4041 N. CENTRAL AVE., #1470 PHOENIX, AZ 85012-3314

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ENGINEERING BRIDGES, TRANSPORTATION	ATHALYE CONSULTING ENGINEERS ASHOK G. ATHALYE	(714) 837-6749 MBE	23201 MILL CREEK, #240 LAGUNA HILLS, CA 92653-
ENGINEERING CIVIL, STRUCTURAL DESIGN	SVR, INC. SEETHA V. RAMAIAH	(602) 893-8919 MBE	4636 E. CARMEN PHOENIX, AZ 85044-
ENGINEERING SERVICES	TRANSPORTATION ASSOCIATES, INC. ED HALL	(505) 275-0228 MBE	1000 EUBANK N.E., #D ALBUQUERQUE, NM 87112-
ENGINEERING, CIVIL/STRUCTURAL & SURVEY	MOREA-HALL ENGINEERING, INC. CLAUDIA MOREA	(602) 246-8969 WBE	1820 W. MARICOPA FREEWAY PHOENIX, AZ 85007-
ENGINEERING, ELECTRICAL/MECHANICAL	NP ENGINEERING, INC. ANDREW PANOPIO	(602) 265-1559 MBE	3831 N. 15TH AVE. PHOENIX, AZ 85015-
ENGINEERING, FULL SERVICE	KULKARNI ENGINEERING CO., INC. YASHAVANT V. KULKARNI	(602) 993-0474 MBE	2130 E. KALER DR. PHOENIX, AZ 85020-4725
ENGINEERING, CIVIL, STRUCTURAL, ASBESTOS	IAE, INC. CONSULTING ENGINEERS ARTHUR LORING	(602) 224-9590 MBE	4120 N. 20TH STREET, #B PHOENIX, AZ 85016-
ENGINEERING, GEOTECH., CIVIL, ENVIRONMENT.	SOTA ENVIRONMENTAL TECHNOLOGY INC. Dr. Dakshana Murthy	(602) 285-1347 MBE	1571 CHEERY LYNN PHOENIX, AZ 85014-
ENGLISH/SPANISH TRANSLATIONS	DE PANAMA ENTERPRISES WINSTON F. PEART	(602) 846-4046 MBE	7517 W. MINNEZONA AVE. PHOENIX, AZ 85033-1218
ENGRAVED AWARDS, GIFTS, SIGNAGE	THE INCREDIBLE MACHINE, INC. JAN SCOTT	(602) 931-3181 WBE	4703 W. OLIVE AVE., #2 GLENDALE, AZ 85302-
INTERNAL THERAPIES	CREATIVE HEALTH CARE SERVICES, INC JUDY M. LEWIS	(602) 838-1315 MBE	3280 S. COUNTRY CLUB WAY, #112 TEMPE, AZ 85282-
ENVIROMENTAL CONSULTING	HARRIS ENVIROMENTAL GROUP LISA HARRIS	(602) 628-7648 WBE	1749 E. 10TH ST. TUCSON, AZ 85719-
ENVIROMENTAL ENGINEERING	YOUNG'S ENVIRONMENTAL SERVICES CO., INC. STEPHEN YOUNG	(714) 891-4322 MBE	P.O. BOX 884 WESTMINSTER, CA 92684-0884
ENVIROMENTAL TESTING, WATER, SOILS, HAZMAT	TURNER LABORATORIES, INC. NANCY D. TURNER	(602) 882-5880 WBE	1844 W. GRANT ROAD, #104 TUCSON, AZ 85745-
ENVIRONMENTAL ASSESSMENTS, TECH. WRITING	PSM 2 JULIA E. ELLEGOOD	(602) 277-7884 WBE	2515 E. THOMAS RD., #16-762 PHOENIX, AZ 85016-
ENVIRONMENTAL PLANNING SERVICES	JAC PLANNING, CORP. JEAN A. CELENDER	(516) 487-4549 WBE	8 BOND STREET, #300 GREAT NECK, NY 11021-
EROSION CONTROL PRODUCTS	GABLIONS WEST, INC. VELDA ANDERSON	(800) 851-3166 DBE	P.O. BOX 2508 WINDOW ROCK, AZ 85152-2508

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ESCROW SEVICES	NETWORK ESCROW & TITLE AGENCY, INC. SUSAN M. BUDNIK	(602) 951-7575 WBE	3225 N. CENTRAL AVE. #100 PHOENIX, AZ 85012-
EXCAVATING & GRADING	M-D EXCAVATING & GRADING MONICA DAHLQUIST	(602) 000-0000 WBE	P.O. BOX 1052 APACHE JUNCTION, AZ 85217-
EXCAVATING AND GRADING	EARTHMOVERS, INC. JODY TRENTER	(602) 998-5406 WBE	8604 E. JENAN DR. SCOTTSDALE, AZ 85260-
EXCAVATION, GRADING, OIL SURFACING	CAMINO DURO, INC. LUPE D. PRUETT	(602) 963-8283 MBE	P.O. BOX 895 CHANDLER, AZ 85244-
FABRICATOR OF NATURAL STONE PRODUCTS	INTERNATIONAL MARBLE DISTRIBUTORS, INC. ORLA LARSON	(602) 438-1449 WBE	3104 S. 52ND STREET TEMPE, AZ 85282-
FACILITIES PLANNING, ANALYSES	FACILITIES PLANNING & RESEARCH MAUNEL MARTI	(602) 943-1751 MBE	1918 E. LANE AVE. PHOENIX, AZ 85020-
FENCE, GUARDRAIL CONSTRUCTION	PHILLIPS THREE, INC. PATSY M. CRANDALL	(602) 772-1332 WBE	1012 STIRRUP HIGH DRIVE WEST DEWEY, AZ 86327-
FENCES, GUARDRAILS, SIGNS-FURNISH/INSTALL	FIVE G INC. GAIL GRAY	(602) 437-0201 WBE	3801 EAST SUPERIOR AVENUE PHOENIX, AZ 85040-
FENCING GUARDRAIL CONTRACTING	FENCE ERECTORS, INC. CAROL ENRIQUEZ,	(602) 252-1195 MBE	P.O. BOX 15857 PHOENIX, AZ 85060-5857
FIRE PROTECTION CHEMICALS	ARIZONA FIRE BRAKE DIANE BRADY	(602) 924-8528 WBE	614 N. LOS ALAMOS MESA, AZ 85213-
FIRE SPRINKLER SYSTEMS SALES & INSTALL.	ATLAS AUTOMATIC SPRINKLER Co. Sandra Lee Hayer	(602) 516-8429 WBE	3148 W. Westcott Drive Phoenix, AZ 85027-
FLOOR & WINDOWCOVERINGS, INTERIOR DECOR.	DESIGNS OF TODAY RONALD GOMEZ	(602) 759-5757 MBE	2921 E. REDWOOD LN. PHOENIX, AZ 85048-
FLOOR COVERING CONTRACTOR	M & J INDUSTRIES, INC. JAMES BACA	(602) 256-2699 MBE	P.O. BOX 2415 PHOENIX, AZ 85002-
FLOOR COVERING INSTALLING	RAMIREZ FLOOR COVERING, INC. JOHN Y. RAMIREZ	(602) 275-7571 MBE	3308 E. MADISON ST. PHOENIX, AZ 85034-
FLOOR COVERING SALES & INSTALLATION	APPLE DISCOUNT CARPET NILESH C. HINCOHA	(602) 829-8239 MBE	1525 E. APACHE BLVD. TEMPE, AZ 85281-
FLOORING TERRAZZO INSTALLATION	ARIZONA TERRAZZO COMPANY DAVID F. COTA	(602) 278-3770 MBE	2715 W. LINCOLN ST. PHOENIX, AZ 85009-
FULL SVC. VENDING, CATERING, CONCESSION	L/K SERVICES EDWARD L. KNOX	(602) 470-0474 MBE	P.O. BOX 17882 PHOENIX, AZ 85011-

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GENERAL BUILDING CONTRACTOR	BARCON CORPORATION FRED BARCON	(602) 473-3531 MBE	P.O. BOX 370 MIAMI, AZ 85539-
GENERAL CONSTRUCTION	JIM CASTANEDA CONSTRUCTION JIM CASTANEDA	(602) 899-8503 MBE	401 N. ALMA SCHOOL RD., #9 CHANDLER, AZ 85224-
GENERAL CONSTRUCTION	P.P.E.G., INC. NICANOR C.R. ORTEGA	(602) 461-9816 MBE	240 S. COUNTRY CLUB DR. MESA, AZ 85210-
GENERAL CONSTRUCTION	TAPPAN SPRINGS CONSTRUCTION LORENZO ROBBINS	(602) 283-8824 MBE	P.O. BOX 47 CAMERON, AZ 85020-
GENERAL CONTRACTING	MALCOM CONSTRUCTION RUDY MALDONADO	(602) 243-1278 MBE	3029 E. SOUTHERN AVE PHOENIX, AZ 85040-
GENERAL CONTRACTING & ENGINEERING	SANDSTORM CONSTRUCTION RAMON MURO	(602) 843-4622 MBE	3719 W. WINDROSE PHOENIX, AZ 85029-
GENERAL CONTRACTING CO.	VALCO CONSTRUCTION CO., INC. RAFAEL VALENZUELA JR.	(602) 937-2042 MBE	6602 N. 58TH DR. GLENDALE, AZ 85301-
GENERAL CONTRACTOR	DAV CONTRACTING, INC. DANIEL A. VILLA	(602) 245-2121 MBE	5861 N. 55TH AVE., #1 GLENDALE, AZ 85301-
GENERAL CONTRACTOR	SUN EAGLE CORPORATION MARTIN ALVAREZ	(602) 961-0004 MBE	461 N. DEAN AVE, CHANDLER, AZ 85226-
GENERAL CONTRACTOR	THE POLOTE CORPORATION BENJAMIN R. POLTE, SR.	(912) 232-1188 MBE	P.O. BOX 1486 SAVANNAH, GA 31498-1486
GENERAL CONTRACTOR, BUILDING	SIMPSON GENERAL CONTRACTING MIKE SIMPSON	(602) 268-2220 MBE	P.O. BOX 20785 PHOENIX, AZ 85036-
GENERAL CONTRACTOR, BUILDINGS	JMS CONSTRUCTION CO. JOE SANCHEZ	(602) 249-3494 MBE	6628 N. 16TH DRIVE PHOENIX, AZ 85015-
GENERAL CONTRACTOR, MANAGEMENT & HIGHWAY	SWENGEL-ROBBINS INC. S.K. SWENGEL	(602) 268-1724 MBE	837 E. SOUTHERN AVE. PHOENIX, AZ 85040-3144
GENERAL CONTRACTOR, RESID/COMMERCIAL	McINTYRE CONSTRUCTION, INC. SUSAN B. MCINTYRE	(602) 820-6907 WBE	1615 E. GUADALUPE RD., #2 TEMPE, AZ 85283-
GENERAL CONTRACTORS	BLUCOR CONTRACTING, INC. GORDON BLUTH	(602) 970-3978 MBE	6330 E. THOMAS RD., #324 SCOTTSDALE, AZ 85251-
GENERAL ENGINEERING	JOE PEREZ CONSTRUCTION JOE S. PEREZ	(602) 940-1575 MBE	P.O. BOX 1437 GILBERT, AZ 85229-
GENERAL ENGINEERING CONSTRUCTION	ESKY BENAVIDEZ CORPORATION	(209) 728-2073 MBE	P.O. BOX 96 DOUGLAS FLAT, CA 95229-

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GENERAL ENGINEERING PAVING & GRADING	SIERRA GRADING & PAVING, CO. PETER R. RAMIREZ	(602) 820-9578 MBE	5235 S. KYRENE #202 TEMPE, AZ 85283-
GENERAL ENGINEERING, HYDROELECTRIC	SITE CONSTRUCTORS, INC. HOWARD S. HORN	(916) 342-8545 MBE	P.O. BOX 6254 CHICO, CA 95927-
GENERAL ENGINEERING/CONSTRUCTION	HJE GENERAL CONTRACTING, INC. HERMAN ELLER	(602) 843-2252 MBE	5930-10 W. GREENWAY RD., #200 GLENDALE, AZ 85306-
GEOGRAPHIC INFORMATION SYSTEMS	SANDRA M. WEIR AICP SANDRA M. WEIR	(602) 483-6749 WBE	7520 E. VIA ESTRELLA AVE. SCOTTSDALE, AZ 85258-
GEOGRAPHIC INFORMATION SYSTEMS CONSULT.	GIS SOUTHWEST, INC. LEENA RAVAL	(602) 266-5080 MBE	1245 E. TOPEKA DR. PHOENIX, AZ 85024-
GEOMEMBRANE SYSTEMS INSTALLATION	FIELD LINING SERVICES, INC. PHILLIP V. RAMOS	(602) 269-1255 MBE	P.O. BOX 14919 PHOENIX, AZ 85063-
GEOTECHNICAL ENGIN. & MATERIAL TEST	ATL TESTING LABORATORIES FRANK C. RIVERA	(602) 241-1097 MBE	2922 WEST CLARENDON PHOENIX, AZ 85017-
GEOTECHNICAL ENGINEERING	DESERT LAND ENGINEERING RICK GUTIERREZ	(602) 265-5320 MBE	4621 N. 16TH ST., #A115 PHOENIX, AZ 85016-
GEOTECHNICAL MATERIALS TESTING	ARIZONA STRUCTURAL INSPECTION, INC. JOHN C. SAVOIA	(602) 273-6310 WBE	1835 E. 6TH ST., #23 TEMPE, AZ 85281-
GLASS, GLAZING	GLENDALE GLASS, INC. RAYMOND E. NUNEZ	(602) 937-1621 MBE	5412 W. GLENDALE GLENDALE, AZ 85301-
GLASS/GLAZING SALES SERVICE	BILLY'S GLASS WILLIAM CHVARIA	(602) 268-8652 MBE	416 W. McNIEL PHOENIX, AZ 85041-
GRADING AND PAVING CONTRACTOR	INCA CONTRACTING CO. JOSE CASTILLO	(602) 821-0715 MBE	95 N. ARIZONA PL., # 4 CHANDLER, AZ 85225-
GUARD RAILS, SIGNS & TRAFFIC CONTROL	ARIZONA HIGHWAY SAFETY SPECIALISTS, INC. KAREN F. THOMPSON	(602) 776-0204 WBE	3260 TOWER DRIVE PRESCOTT, AZ 86301-
HARDWARE STORE, RETAIL	STEVE'S TRUE VALUE HARDWARE STEVE YEE	(602) 788-1980 MBE	731 E. UNION HILLS RD. PHOENIX, AZ 85022-
HERBICIDE APPLICATION, WEED CONTROL	EVERGREEN SPRAY SERVICE, INC. PAULA D. GROSS	(602) 258-5041 WBE	279 SHADOW VALLEY RANCH ROAD PRESCOTT, AZ 86301-
HIGHWAY CONSTRUCTION	EBONY CONSTRUCTORS, INC. EARL BARNETT	(602) 243-6652 MBE	1734 E. BROADWAY PHOENIX, AZ 85040-
HOME REPAIR & REHABILITATION	TAS HOME IMPROVEMENTS & REPAIRS ANTONIO S. AMAYA	(602) 547-1784 MBE	3766 W. ACOMA DR. PHOENIX, AZ 85023-

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HUMAN RELATIONS TRAINING	A+ TRAINING CYNTHIA D. HAMMOND	(602) 833-4876 WBE	P.O. BOX 30612 MESA, AZ 85275-
HUMAN RESOURCE TRAINING	CULTURAL DIVERSITY EDUCATION RES., INC. CHARLES L. JOHNSON	(602) 838-8149 MBE	1926 E. HERMOSA DR. TEMPE, AZ 85202-5803
HUMAN SERVICES, PROGRAM DEVELOPMENT	BARBARA MOODY CONSULTANT BARBARA MOODY	(602) 274-4926 WBE	1537 W. CLARENDON PHOENIX, AZ 85015-
HUMAN SERVICES/PROGRAM CONSULTING	B.J. TATRO CONSULTING B.J. TATRO	(602) 494-9848 WBE	3420 E. SHEA BLVD. SUITE 199 PHOENIX, AZ 85028-
HVAC/AIR CONDITIONING SALES & SERVICE	SABER AIR CONDITIONING, INC. MANUEL GAONA	(602) 268-9409 MBE	6509 S. 28TH STREET PHOENIX, AZ 85040-
HYDRAULIC ENGINEER	WEST CONSULTANTS, INC. DAVID T. WILLIAMS	(619) 431-8113 MBE	2111 PALOMAR AIRPORT ROAD #180 CARLSBAD, CA 92009-
HYDROLOGY	HSS HYDROLOGY SUPPORT SERVICES FREDDY E. ARTIAGA	(602) 839-4015 MBE	3309 S. HAZELTON LN. TEMPE, AZ 85282-
INFO. RETRIEVAL SERVICES CONSULTANT	CASTILLO COMPANY, INC. EDUARDO A. CASTILLO	(602) 231-9000 MBE	P.O. BOX 21087 PHOENIX, AZ 85034-6821
INTERIOR CONSULTANT	FABRIC WORKS LAUREEN ABBOTT	(602) 273-8662 WBE	1727 N. 32ND STREET PHOENIX, AZ 85008-
INTERIOR DECORATING /WINDOW TREATMENT	ALL ABOUT DESIGN, INC. PAMELA MILLIKAN	(602) 566-3339 WBE	P.O. BOX 1981 SUN CITY, AZ 85372-
INTERIOR DESIGN & FLOOR COVERING	INTERIOR DESIGN AND SUPPLY JANET LA PLANTE	(602) 863-1218 WBE	641 W. PORT AU PRINCE PHOENIX, AZ 85023-
INTERIOR DESIGN AND FURNISHINGS	HABITAT INTERIORS CAROL A. VETRANO	(602) 797-1175 WBE	10713 N. POMEGRANATE DR. TUCSON, AZ 85737-
INTRASTATE DELIVERY OF GEN. FREIGHT	OJC TRANSFER & DELIVERY SERVICES, INC. JAMES L. WAGONER	(602) 730-9076 MBE	P.O. BOX 56965 PHOENIX, AZ 85017-
INVESTMENT SERVICES	FIRST COLORADO FINANCIAL SERVICES CO.	(303) 297-8210 WBE	1099 18TH ST., #2720 DENVER, CO 80202-
JANITOR SUPPLIES	R-B ENTERPRISES GARY L. RAFF	(310) 673-8208 MBE	1034 W. I STREET, #200 ONTARIO, CA 91762-
JANITORIAL SERVICE	CATHAYAN MAINTENANCE SHELLY WONG	(818) 793-3041 M/WBE	620 S. RAYMOND AVE., #2 PASADENA, CA 91105-
JANITORIAL SERVICE	PATTERSON JANITORIAL SERVICE COMPANY RAYMOND PATTERSON	(602) 944-0804 MBE	7602 N. 12TH ST. APT #238 PHOENIX, AZ 85020-

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JANITORIAL SERVICES, HOSPITAL HOUSECLEAN	TELTARA, INC. MICHAEL CAMPBELL	(602) 451-7000 MBE	9700 N. 91ST. STREET, #119 SCOTTSDALE, AZ 85258-
JANITORIAL SUPPLIES & SERVICES	CROWN INTERNATIONAL TREVOR GRIFFITHS	(602) 834-9136 MBE	2303 N. 44TH ST. #14-113 PHOENIX, AZ 85088-
JANITORIALC CLEANING, CONST. SERVICE	TOP QUALITY CLEANING THOMAS C. PETERSON	(602) 838-7990 MBE	1526 W. NARANJA MESA, AZ 85202-
KEYPAD & INTERFACE ASSEMBLIES	INTERFACE DATA SYSTEMS, INC. MAHASEN SAMARAVIJAYA	(602) 484-0084 MBE	3145 W. LEWIS AVE. PHOENIX, AZ 85009-
LAND RIGHTS, ACQUISITIONS	DIVERSIFIED R/W SERVICES JOANNE O. BOORSMA	(602) 265-5540 WBE	77 E. COLUMBUS AVE., #215 PHOENIX, AZ 85012-2352
LAND SURVEYING	ALCOCER LAND SURVEYORS RICHARD ALCOCER	(602) 263-7846 MBE	3501 N. 16TH STREET PHOENIX, AZ 85016-
LANDSCAPE ARCHITECT	RECON CONSULTANTS, INC. LORI JONES WOODS	(602) 325-9977 WBE	3443 N. CAMPBELL AVE., #100A TUCSON, AZ 85719-
LANDSCAPE ARCHITECTS	SAKATO & SAKATO LANDSCAPE ARCHITECTS GARY M. SAKATO	(602) 258-7777 MBE	2828 N. CENTRAL AVE., # 755 PHOENIX, AZ 85004-
LANDSCAPE ARCHITECTURE	BOWDEN DESIGN GROUP, INC. LAURA BOWDEN	(602) 443-0223 WBE	7100 E. LINCOLN DR., # A-106 SCOTTSDALE, AZ 85253-
LANDSCAPE ARCHITECTURE	C.F. SHULER INC. CAROL F. SHULER	(602) 483-0535 WBE	13901 N. 73RD ST., # 207 SCOTTSDALE, AZ 85260-
LANDSCAPE ARCHITECTURE/PLANNING	LOGAN SIMPSON & DYE CARYN LOGAN HEAPS	(602) 967-1343 WBE	398 SOUTH MILL AVE. #300 TEMPE, AZ 85281-
LANDSCAPE ARCHITECTURE/URBAN PLANNING	WHEAT-GALLAHER & ASSOCIATES JOANNE GALLAHER	(602) 884-7911 WBE	377 S. MEYER AVE. TUCSON, AZ 85701-
LANDSCAPE LAWN MAINTENANCE	CURBSIDE LANDSCAPING, INC. MANUEL O. DOMINGUEZ	(602) 937-7797 MBE	8334 N. 58TH AVE. GLENDALE, AZ 85302-
LANDSCAPE MAINTENANCE	BARROW'S ENVIRONMENTAL INDUSTRIES KELLY K. BARROW	(602) 494-9094 WBE	13617 N. 49TH STREET SCOTTSDALE, AZ 85254-
LANDSCAPE MAINTENANCE/INSTALLATION	SOUTH LAWN DEVELOPERS WILL DAVIS II	(602) 243-9273 MBE	8621 SOUTH 14TH PLACE PHOENIX, AZ 85040-
LANDSCAPING & DESIGN	DESERT GREEN LANDSCAPING & DESIGN, INC. JAMES SHIEH	(602) 961-1915 MBE	638 N. POPLAR COURT CHANDLER, AZ 85226-
LASER ENGRAVING	LEACH LASER TRACY NORRIS	(602) 998-3336 WBE	7662 E. GRAY RD, #102 SCOTTSDALE, AZ 85260-

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LASER PRINTER CARTRIDGE REBUILDER	CARTRIDGE CARE, INC. IRENE CONLAN	(602) 998-3359 WBE	1444 N., 73RD ST. SCOTTSDALE, AZ 85260-
LEASE/PURCHASE EQUIPMENT	COMMERCIAL LEASING SERVICES RICHARD F. POLANCO	(602) 461-9280 MBE	520 N. STAPLEY, #192 MESA, AZ 85203-7266
LEGAL SERVICES	AARON KIZER, ATTORNEY AT LAW ARRON KIZER	(602) 253-2523 MBE	320 E. MCDOWELL RD., #315 PHOENIX, AZ 85004-
LEGAL SERVICES	AMY S. FISHER, P.C. AMY S. FISHER	(602) 395-9075 WBE	7301 N. 16TH ST. #103 PHOENIX, AZ 85020-
LEGAL SERVICES	DAY, KAVANAUGH & BLOMMEL, P.C. SANDRA A. DAY	(602) 838-4425 WBE	P.O. BOX 24804 TEMPE, AZ 85285-4804
LEGAL SERVICES	GAONA & HAYNES, P.C. FRANCES J. HAYNES, ESQ.	(602) 230-2636 M/WBE	3101 N. CENTRAL, #720 PHOENIX, AZ 85012-
LEGAL SERVICES	SUSAN E. WELLS-SHAPIRO, P.C. SUSAN E. WELLS-SHAPIRO	(602) 482-9009 WBE	4001 E. BELL RD., #114 PHOENIX, AZ 85032-
MACHINING AND CUSTOM WORK	J.H. CUSTOM MACHINE WORK JESUS HERRERA	(602) 272-5686 MBE	3127 W. VIRGINIA, #9 PHOENIX, AZ 85009-
MAIL PROCESSING & LIST MANAGEMENT	INTERNATIONAL MAIL PROCESSING, INC. DAN SARCEDA	(602) 484-9445 MBE	2736 W. MCDOWELL RD. PHOENIX, AZ 85009-
MANAGEMENT CONSULTANT	KOLBE CONCEPTS, INC. KATHY KOLBE	(602) 840-9770 WBE	3421 N. 44TH STREET PHOENIX, AZ 85018-
MANAGEMENT CONSULTANT	SUAREZ ENTERPRISES VICTOR SUAREZ	(602) 931-3166 MBE	4226 W. BARBARA AVE. PHOENIX, AZ 85051-
MANAGEMENT CONSULTANT	SUNRISE TECHNOLOGIES, INC. KIMANH A. DAVIS	(602) 575-9200 M/WBE	7400 N. ORACLE RD., #866 TUCSON, AZ 85704-6342
MANAGEMENT CONSULTANT & HUMAN SERVICES	FOX SYSTEMS, INC. SUSAN J. FOX	(602) 968-1170 WBE	1730 S. JENTILLY LN., #D 103 TEMPE, AZ 85281-5704
MANAGEMENT CONSULTING, TQM, PROJECT	IEE CONSULTING, INC.	(602) 998-3896 WBE	8208 E. ROVEY AVE. SCOTTSDALE, AZ 85250-
MANAGEMENT & ADMINISTRATIVE SERVICES	THE WRITE SOURCE PAULETTE POHLMANN	(602) 967-9304 WBE	124 W. ALAMEDA DR. TEMPE, AZ 85282-3506
MANAGEMENT & TRAINING SERVICES	MEDICAL BUSINESS RESOURCE CENTER MARILYN C. DUPONT	(602) 279-2655 WBE	1221 E. OSBORN RD., #101 PHOENIX, AZ 85014-
MANFT., INSTALL, FIBER OPTIC NETWORKS	FIBER SPECIALIST, INC. MITZI D. DOOLEY	(602) 585-5069 WBE	P.O. BOX 30426 PHOENIX, AZ 85046-

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MANHOLES -INSTALL PRECAST	PREACH MASONRY, INC PHILLIP L. PREACH	(602) 242-2007 MBE		1601 W. HATCHER PHOENIX, AZ 85021-
MANUF. OF CLEANING PRODUCTS	HULBERT & RODGERS, INC. HULBERT BOLLES	(404) 263-7765 MBE		6050 PEACHTREE PKWY., #340-193 NORCROSS, GA 30092-
MASONRY CONTRACTING	F.G. MABANTE MASONRY, INC. FRANK G. MABANTE	(602) 931-7130 MBE		5742 W. MARYLAND GLENDALE, AZ 85301-
MASONRY CONTRACTOR	JIM CELAYA & SONS MASONRY JIM CELAYA	(602) 276-1930 MBE		638 W. CHIPMAN PHOENIX, AZ 85041-
MASONRY CONTRACTORS	RIVERA MASONRY, INC. ALBERTO RIVERA	(602) 252-3113 MBE		1704 W. LINDEN ST. PHOENIX, AZ 85007-2025
MASS TRANSIT PLANNING	MANUEL PADRON & ASSOCIATES SUE McCLUSKEY	(404) 873-3206 MBE		1175 PEACHTREE ST., NE, #414 ATLANTA, GA 30361-
MECHANICAL & UTILITY CONSTRUCTION	DALLAGO CORPORATION DAVID DALLAGO, JR.	(505) 722-6638 MBE		2411 EAST AZTEC GALLUP, NM 87301-
MECHANICAL, PLUMBING, ELETRICAL CONTR.	NORTHRIDGE MECHANICAL, INC. DANIEL A. ORTEGA	(602) 861-2511 MBE		601 W. BELMONT AVE. PHOENIX, AZ 85021-
MECHANICAL/HVAC	RAMIREZ MECHANICAL SYSTEMS, INC. CARLOS Y. RAMIREZ	(602) 244-8994 MBE		3308 E. MADISON PHOENIX, AZ 85034-
MEDICAL & PERSONAL CARE SUPPLIER	AGINCOURT JANET HEANEY	(516) 538-8735 WBE		368 HAMILTON AVE WEST HEMPSTEAD, NY 11552-
MEDICAL BILLING SERVICE	GALAXY MANAGEMENT SERVICES IZALLA TAYLOR	(602) 277-6129 M/WBE		4325 N. 23RD AVE., #17 PHOENIX, AZ 85015-
MEDICAL EMERGENCY MEDICINE	PATRICIA A. BAYLESS, M.D. DR. PATRICIA A. BAYLESS	(602) 267-5418 WBE		P.O. BOX 5099 PHOENIX, AZ 85018-
MEDICAL EMERGENCY MEDICINE	SUSAN GIN-SHAW, M.D. DR. SUSAN GIN-SHAW	(602) 957-4044 M/WBE		2345 E. THOMAS RD., #310 PHOENIX, AZ 85016-
MEDICAL GENERAL	VLADIMIR TROCHE, M.D. MARY MENCHACO	(602) 561-8636 MBE		6525 W. SACK DR., #208 GLENDALE, AZ 85308-
MEDICAL OB/GYN	GLENN KISHI, M.D. DR. GLENN KISHI	(602) 244-1659 MBE		2255 N. 44TH ST. PHOENIX, AZ 85008-
MEDICAL OB/GYN	LINDA CHAMBLISS, M.D. DR. LINDA CHAMBLISS	(602) 244-1659 WBE		2255 N. 44TH ST. PHOENIX, AZ 85008-
MEDICAL OB/GYN	PATRICIA AGRAHAM, M.D. DR. PATRICIA AGRAHAM	(602) 244-1659 WBE		2255 N. 44TH STREET PHOENIX, AZ 85008-

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MEDICAL PATHOLOGIST	JEAN S. MUYAKC, M.D. DR. JEAN S. MUYAKC	(602) 267-5501 WBE	P.O. BOX 5099 PHOENIX, AZ 85010-
MEDICAL PATHOLOGY	R. GEELHA NAIR, M.D. DR. R. GEELHA NAIR	(602) 265-5946 M/WBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL PEDIATRICS	SUSAN STEPHENS-GROFF, M.D. DR. SUSAN STEPHENS-GROFF	(602) 267-5404 WBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL PEDIATRIC SERVICES	JULIA KELLY, M.D. DR. JULIA KELLY	(602) 267-5404 WBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL PEDIATRICS	EMILY POLLACK, M.D. DR. EMILY POLLACK	(602) 267-5404 WBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL PEDIATRICS	LOUANNE HUDGINS, M.D. DR. LOUANNE HUDGINS	(602) 267-5404 WBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL PEDIATRICS	MARY RIMSZA, M.D. DR. MARY RIMSZA	(602) 267-5404 WBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL PEDIATRICS	REBECCA WOOD, M.D. DR. REBECCA WOOD	(602) 267-5404 WBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL PEDIATRICS	ROXANNE HECHT, M.D. DR. ROXANNE HECHT	(602) 267-5404 WBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL PEDIATRICS	SHEILA GAHAGAN, M.D. DR. SHEILA GAHAGAN	(602) 267-5404 WBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL PEDIATRICS	SURESH LAL, M.D. DR. SURESH LAL	(602) 267-5404 MBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL PEDIATRICS	SUSAN GEREN, M.D. DR. SUSAN GEREN	(602) 267-5404 WBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL PEDIATRICS	SYLVIA STRICKLAND, M.D. DR. SYLVIA STRICKLAND	(602) 267-5404 WBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL PSYCHIATRY	MARLIES KORSTEN, M.D. DR. MARLIES KORSTEN	(602) 376-3025 WBE	P.O. BOX 17915 FOUNTAIN HILLS, AZ 85269-
MEDICAL PSYCHIATRY	MARTA BUNUEL - JORDANA, M.D. DR. MARTA BUNUEL - JORDANA	(602) 267-5281 M/WBE	3601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL PULMONARY MEDICINE	SAHBA E. MA'ANI, M.D. DR. SAHBA E. MA'ANI	(602) 225-5660 MBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL SERVICE CARDIOLOGY	RAJUL PATEL, M.D. DR. RAJUL PATEL	(602) 225-5660 MBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-

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MEDICAL SERVICES	ADELE M. O'SULLIVAN, M.D. DR. ADELE M. O'SULLIVAN	(602) 956-5219 WBE	3445 N. 36TH ST., #37 PHOENIX, AZ 85018-
MEDICAL SERVICES	ANA ELIZABETH ORTIZ DE VALDEZ, M.D. ANA ELIZABETH ORTIZ DE VALDEZ	(602) 371-1665 MBE	1749 W. BUTLER DR. PHOENIX, AZ 85021-
MEDICAL SERVICES	ANN LAFOND YOUNG M.D., P.C. ANN LAFOND YOUNG	(602) 994-0322 WBE	4116 N. 65TH ST. SCOTTSDALE, AZ 85251
MEDICAL SERVICES	CLAUDIO C. SABAL, M.D. P.C. DR. CLAUDIO C. SABAL	(602) 431-1453 MBE	2700 W. BASELINE RD., #129 TEMPE, AZ 85282-
MEDICAL SERVICES	FRANCISCO PENA, M.D. DR. FRANCISCO PENA	(602) 248-8342 MBE	5040 N. 15TH AVE, #301 PHOENIX, AZ 85015-
MEDICAL SERVICES	GALE STEINHAUSER, M.D. GALE STEINHAUSER	(602) 256-5533 WBE	225 W. MADISON ST. PHOENIX, AZ 85003
MEDICAL SERVICES	JANA ROHANAN MANGALAT, M.D. DR. JANA ROHANAN MANGALAT	(602) 225-5660 MBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL SERVICES	KIM HOOVER, M.D. DR. KIM HOOVER	(602) 267-5333 WBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL SERVICES	TERE BUCKSTEIN, M.D. DR. TERE BUCKSTEIN	(602) 267-5404 WBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL SERVICES CYTOLOGY	ARLENE H. STONEY, M.D. DR. ARLENE STONEY	(602) 464-1394 WBE	12401 N. 37TH WAY PHOENIX, AZ 85032-
MEDICAL SERVICES DERMATOLOGY	GOSIA NOWAK, M.D. DR. GOSIA NOWAK	(602) 225-5660 WBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL SERVICES DIAGNOSTIC	RENATO M. SANTOS, M.D. DR. RENATO M. SANTOS	(602) 267-5361 MBE	P.O. BOX 5099 PHOENIX, AZ 85010-
MEDICAL SERVICES ENDOCRINOLOGY	SYDNEY WESTPHAL, M.D. DR. SYDNEY WESTPHAL	(602) 225-5660 WBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL SERVICES INFECTIOUS DISEASES	VIPUL SINGH, M.D. DR. VIPUL SINGH	(602) 225-5660 MBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL SERVICES INTERNAL MEDICINE	JAYNE PETERSON, M.D. DR. JAYNE PETERSON	(602) 225-5660 WBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL SERVICES INTERNAL MEDICINE	LORNA RODRIGUES, M.D. DR. LORNA RODRIGUES	(602) 225-5660 M/WBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL SERVICES INTERNAL MEDICINE	MARCELA MOFFTT, M.D. DR. MARCELA MOFFITT	(602) 225-5660 WBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-

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MEDICAL SERVICES OBGYN	SUN VALLEY OBGYN JACQUELINE M. SOLOMON, D.O.	(602) 242-1412 WBE	1840 W. MARYLAND PHOENIX, AZ 85015-
MEDICAL SERVICES PSYCHIATRY	CAROL J. KLINE, M.D. DR. CAROL KLINE	(602) 340-8010 WBE	101 N. 7TH ST., #262 PHOENIX, AZ 85034-
MEDICAL SERVICES PSYCHOLOGY	LYDIA J. COHAN, M.D. DR. LYDIA J. COHAN	(602) 267-5281 M/WBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL SERVICES RADIOLOGY	ELIZABETH ANN PEARCY, M.D. DR. ELIZABETH ANN PEARCY	(602) 267-5361 WBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL SERVICES RADIOLOGY	PETRONIO T. LERONA, M.D. DR. PETRONIO T. LERONA	(602) 267-5333 MBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL SERVICES RHEUMATOLOGY	CATHERINE HARMON, M.D. DR. CATHERINE HARMON	(602) 255-5660 WBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL SERVICES, DIAGNOSTIC RADIOLOGY	ARCADIA RADIOLOGY & BREAST CENTER, LTD. PC LORAIN JENNAS	(602) 956-1995 MBE	3260 E. INDIAN SCHOOL RD. #B PHOENIX, AZ 85018-
MEDICAL SUPPLIES & EQUIPMENT	VW INTERNATIONAL SALES VINCENT C. CAMUA, JR.	(602) 548-2483 MBE	10410 N. 31ST AVE. PHOENIX, AZ 85051-
MEDICAL TEMPORARY PERSONEL	TEMPORARY TECHS OF ARIZONA GARNET ISREAL	(602) 990-8629 WBE	3260 N. HAYDEN RD., #201 SCOTTSDALE, AZ 85251-
MEDICAL, PATHOLGY	FELIPE U. LIN, M.D. FELIPE U. LIM	(602) 267-5501 MBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL, PATHOLOGY	HARLLCRISNA R. DAVE, M.D. DR. HALLCRISNA R. DAVE	(602) 267-5501 MBE	2601 E. ROOSEVELT PHOENIX, AZ 85008-
MEDICAL, PATHOLOGY SERVICES	GLORIA E. CASTRO, M.D. DR. GLORIA E. CASTRO	(602) 267-5501 MBE	P.O. BOX 1913 LICHFIELD PARK, AZ 85340-
MEDICAL, PSYCHIATRIC SERVICES	ELIZABETH YAGER, M.D., P.C. DR. ELIZABETH YAGER	(602) 267-5946 WBE	1917 E. LA VIEVE LN. TEMPE, AZ 85284
MEDICAL, PSYCHIATRIC SERVICES	HILDA S. AMATO, M.D. DR. HIDA S. AMATO	(602) 840-5845 WBE	4519 E. PALO VERDE DR. PHOENIX, AZ 85018
MEDICAL, PSYCHIATRIC SERVICES	MARY ANN PICARDO, D.O. DR. MARY ANN PICARDO	(602) 231-6909 WBE	P.O. BOX 39985 PHOENIX, AZ 85069
MEDICAL, PSYCHIATRIC SERVICES	REGINA LAWLESS, M.D. DR. REGINA LAWLESS	(602) 954-7899 WBE	7119 E. FIRST AVE. SCOTTSDALE, AZ 85251
MEDICAL, PSYCHIATRIC SERVICES	SANDRA FIGUEROA, M.D. DR. SANDRA FIGUEROA	(602) 371-8225 WBE	7219 N. 23RD PLACE PHOENIX, AZ 85020-

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MEDICAL, PSYCHOLOGICAL SERVICES	NAEEM PATHAN, M.D. DR. NAEEM PATHAN	(602) 935-2476 MBE	5862 E. KATHLEEN SCOTTSDALE, AZ 85254-
MEDICAL, PSYCHOLOGICAL SERVICES	PERLA GABUYA, M.D. DR. PERLA GABUYA	(602) 276-0163 MBE	4420 S. 32ND STREET PHOENIX, AZ 85040
MEDICAL/PSYCHIATRY	LEONARDO GARCIA-BUNUEL, M.D. LEONARDO GARCIA-BUNUEL	(602) 256-5302 MBE	437 E. MARIFOLD LN. TEMPE, AZ 85281
MESSENGER SERVICE	AERO MESSENGER, INC. KAREN NEES	(602) 253-2229 WBE	P.O. BOX 25369 PHOENIX, AZ 85002-
MICROCOMPUTER TRAINING & COURSE DEVELOP.	TRAINING A LA CARTE JANET CORBOSIERO	(602) 224-9912 WBE	2111 E. HIGHLAND #250 PHOENIX, AZ 85016-
MICROCOMPUTERS SALES/SERVICE	MICROAGE/ADVANCED SYSTEMS CONSULTANTS JUDY FLYNN	(602) 256-6868 WBE	201 N. CENTRAL CONCOURSE LEVEL PHOENIX, AZ 85004-
MICROGRAPHIC PRODUCTS	MIPRO INTERNATIONAL, CORP. JANET ROTTENBERG	(602) 991-3673 WBE	7360 E. ACOMA DR. #7 SCOTTSDALE, AZ 85260-
MOBILE FLEET CLEANING	CLARK'S JESSIE CLARK	(602) 273-7407 MBE	1363 E. STEPHENS DR. TEMPE, AZ 85283-
NEWSPAPER	ARIZONA INFORMANT CHARLES CAMPELL	(602) 257-9300 MBE	1746 EAST MADISON STREET #2 PHOENIX, AZ 85034-
NEWSPAPER ADVERT., PUBLISH., ART DESIGN	EL SOL DE ARIZONA RAY R. FLORES	(602) 234-3464 MBE	4001 N. 3RD ST. #465 PHOENIX, AZ 85012-
OCCUPATIONAL THERAPY	AMWAKE REHABILITATION SERVICES CATHLEEM K. AMWAKE	(602) 877-4887 WBE	880 E. VAN BUREN, #108 GOODYEAR, AZ 85338-
OFFICE ADMINISTRATION	PATRICIA BROWN BUSINESS SERVICES PATRICIA BROWN	(602) 946-3732 WBE	8338 E. MEDOWBROOK SCOTTSDALE, AZ 85251-
OFFICE FURNITURE SALES	D & R OFFICE FURNITURE LAURA RUZICH	(602) 938-0244 MBE	4131 W. WOODRIDGE GLENDALE, AZ 85308-
OFFICE FURNITURE SALES & SERVICE	VALDEZ OFFICE ENVIRONMENTS, INC. ERNEST J. SALAZAR	(602) 437-0999 MBE	2850 S. 36TH. STREET PHOENIX, AZ 85034-
OFFICE SUPPLIES	ALL AMERICAN OFFICE PRODUCTS, INC. ANTONIA M. GUTIERREZ	(602) 979-9570 MBE	8301 W. WASHINGTON PEORIA, AZ 85345-
OFFICE SUPPLIES	OASIS OFFICE PRODUCTS, INC. STEPHEN L. GLOVER	(213) 938-6211 MBE	P.O. BOX 19069 LOS ANGELES, CA 90019-
OFFICE SUPPLIES, PRINTERS, COPIERS	COPELAND ENTERPRISES KELLY COPELAND	(602) 756-2501 MBE	P.O. BOX 27672 TEMPE, AZ 85285-7672

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PAINTING CONTRACTOR	LUCERO PAINTING ELI LUCERO	(602) 491-4737 MBE	2942 E. NORCROFT ST. MESA, AZ 85213-
PAINTING RESIDENCIAL & COMMERCIAL	EL SOL PAINTING ARTHUR G. CRUZ	(602) 936-6943 MBE	11256 W. SOUTHERN TOLLESON, AZ 85353-
PAINTING, COMMERCIAL/INDUSTRIAL	SERRANO PAINTING OSCAR SERRANO	(602) 962-9088 MBE	535 W. IRON AVE., STE 108 MESA, AZ 85210-
PAINTING, SANDBLASTING	COLORCOR PAINTING, INC. MARK A. GONG	(602) 352-0055 MBE	301 N. 37TH DR., #109 PHOENIX, AZ 85009-
PARALEGAL SERVICES	CLASSIC LEGAL HELP DAWN ELISE BARBION	(602) 263-5002 WBE	4141 N. 8TH STREET, #B18 PHOENIX, AZ 85014-
PARATRANSIT AUTOMATED SCHEDULING SYS.	ON LINE DATA PRODUCTS, INC. MARSHA L. MOORE	(602) 483-3822 WBE	14255 N. 78TH STREET #7 SCOTTSDALE, AZ 85260-
PAVING & GRADING	EAGLE ASPHALT & OIL, INC. MANUEL M. SAVALA	(602) 934-9893 MBE	P.O. BOX 3576 GLENDALE, AZ 85311-3576
PAVING & GRADING	GLENDALE PAVING CORP. FRANK LOZANO	(602) 939-2215 MBE	5719 W. MCLELLAN GLENDALE, AZ 85301-
PAVING & GRADING GEN. CONTRACTING	ARIZONA BITUMALS MIGUEL MIRANDA	(602) 936-8708 MBE	P.O. BOX 48714 PHOENIX, AZ 85075-
PAVING AND GRADING CONSTRUCTION	PUEBLO GRANDE CONSTRUCTION CO. JOSEPH AVINA	(602) 566-1469 MBE	8855 W. AVENIDA DEL SOL PEORIA, AZ 85382-
PAVING ASPHALT, EXCAVATION & CHIP SEAL	A & S PAVING, INC. SAL PEDREGON	(602) 622-6603 MBE	527 W. 29TH STREET TUCSON, AZ 85713-
PEDIATRIC CRITICAL CARE	PAUL H. LIO, M.D. DR. PAUL H. LIO	(602) 239-3563 MBE	1111 E. MCDOWELL RD. PHOENIX, AZ 85201-
PEST CONTROL SERVICE	NO BUGS ALLOWED TERMITE & PEST EDDIE MANCIET	(602) 863-4408 MBE	P.O. BOX 32422 PHOENIX, AZ 85029-
PETROLEUM PRODUCTS & CORROSION RESISTANT	BLUE CONDOR PRODUCTS COMPANY PETE AVILA, III	(602) 848-6422 MBE	P.O. BOX 56964 PHOENIX, AZ 85079-6964
PHARMACEUTICALS & MEDICAL SUPPLIES	INTERNATIONAL HEALTHCARE PRODUCTS, CORP. MICHAEL MODUTHAGAM	(708) 963-3573 MBE	5120 BELMONT RD., #T DOWNERS GROVE, IL 60515-
PHARMACY RELIEF SERVICE (TEMP PERSNL.)	SCRIPTS RELIEF, INC. MICHELLE McCARVILLE	(602) 952-8604 WBE	4424 E. OSBORN, #1 PHOENIX, AZ 85018-
PHOTOCOPIER, FAX, FURNITURE & SUPPLIES	CACTUS COPIER SUPPLIES LINDA THRASHER	(602) 994-8624 WBE	14435 N. SCOTTSDALE RD. STE # SCOTTSDALE, AZ 85254-

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PLUMBING SERVICE AND REMODELING	APACHE PLUMBING SERVICES, INC. PAUL A. GARCIA	(602) 381-1525 MBE	2807 N. 24TH STREET PHOENIX, AZ 85008-
POLICE OFFICERS FOR TRAFFIC CONTROL	RIGHT CHOICE PAULINE ROYBAL	(602) 375-5323 WBE	P.O. BOX 37011 PHOENIX, AZ 85069-
POLICE OFFICERS FOR TRAFFIC CONTROL	RIGHT CHOICE TOO PAULINE ROYBAL	(602) 875-5323 WBE	P.O. BOX 3711 PHOENIX, AZ 85069-
POLITICAL SCIENTIST CONSULTANT	JUDITH LAMARE, Ph.D. DR. JUDITH LAMARE	(916) 447-4956 WBE	1823 11TH STREET SACRAMENTO, CA 95814-
POWER SWEEPING, ASPHALT REPAIRS & INSTALL.	B & B GENERAL ENGINEERING CONTRACTORS BILLY J. BRYANT	(602) 899-1442 MBE	513 E. CHICAGO CIRCLE CHANDLER, AZ 85224-
PRINTER, OFFSET, GRAPHICS	MOUNTAIN STATES PRINTING SUSAN BUSHMAKER	(602) 269-3219 WBE	1408 N. 27TH LANE PHOENIX, AZ 85009-
PRINTING & BINDING	MULTI-NATIONAL PRINTING PAUL BRANT	(602) 274-4515 MBE	6009 N. 16TH ST. PHOENIX, AZ 85016-
PRINTING PRODUCTS -BLUE PRINTING	ACME BLUEPRINT & PHOTOCRAFT CO. INC. G. MICHAEL MCQUEEN	(602) 254-6171 WBE	1425 N. FIRST STREET PHOENIX, AZ 85004-
PRINTING, COMMERCIAL	SEABORN PRINTING LINDA S. TRAYNOR	(602) 381-0490 WBE	3001 E. THOMAS RD. PHOENIX, AZ 85016-
PRODUCTION GRAPHICS	COMPUTER COUNTRY, INC. ANTOINETTE MOSBY	(602) 451-7765 WBE	11343 N. 129TH WAY SCOTTSDALE, AZ 85259-
PROJECT MANAGEMENT SOFTWARE	ORIGINAL SOLUTIONS, INC. J.P. NARDIN	(602) 894-5415 WBE	1969 E. BROADWAY, #2 TEMPE, AZ 85282-
PSYCHOLOGICAL COUNSELING	MARGARET E. MARSHALL, P.C. MARGARET MARSHALL, PHD.	(602) 264-5678 WBE	777 E. MISSOURI, #121 PHOENIX, AZ 85014-
PSYCHOLOGICAL SERVICES	JANET MILLARD, PH.D. DR. JANET MILLARD	(602) 730-6720 WBE	955 E. WATSON TEMPE, AZ 85283-
PSYCHOLOGICAL SERVICES	JEFFREY M. ESTRADA, PH.D. DR. JEFFREY M. ESTRADA	(602) 954-5667 MBE	P.O. BOX 17564 PHOENIX, AZ 85011
PSYCHOLOGICAL SERVICES	ZELDA HITTEL P.C. DR. ZELDA HITTEL	(602) 955-3482 WBE	5249 N. 37TH PLACE PARADISE VALLEY, AZ 85253
PSYCHOLOGIST	ANNE E. HARRIS, PHD DR. ANNE E. HARRIS	(602) 548-3937 WBE	1201 S. ALMA SCHOOL RD., #6950 MESA, AZ 85210-
PUBLIC INFORMATION RELATIONS	RH & ASSOCIATES RENEE L. HOEKSTRA	(602) 493-1947 WBE	4001 E. BELL RD., #114 PHOENIX, AZ 85032-

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Business Type	Firm Contact Name	Phone M/WBE	Status	Address
PUBLIC RELATIONS	PHOENIX INTERNATIONAL CONSULTANTS RONNIE LOPEZ	(602) 285-0181 MBE		3200 N. CENTRAL AVE, STE 680 PHOENIX, AZ 85012-
PUBLIC RELATIONS	SUSAN Z. COMMUNICATIONS SUSAN ZELONICKI	(602) 266-5484 WBE		3973 N. 14TH PL. PHOENIX, AZ 85014-
PUBLIC RELATIONS CONSULTANT	KATHERINE CHRISTENSEN & ASSOCIATES KATHERINE CHRISTENSEN	(602) 759-7883 WBE		3239 E. COTTONWOOD LN., #100 PHOENIX, AZ 85044-
PUBLIC RELATIONS FIRM	APPLIED MANAGEMENT & PLANNING GROUP	(310) 820-0741 WBE		12300 WILSHIRE BLVD., #430 LOS ANGELES, CA 90025-
PUBLIC RELATIONS SERVICES	ARIZONA CONSTRUCTION SERVICES TERRI SMITH	(602) 264-4611 WBE		738 E. FLYNN LANE, #A PHOENIX, AZ 85014-
PUBLIC RELATIONS SPECIALIST	PROJECT INFORMATION ASSOCIATES GARETH D. LEWIS	(602) 241-1818 MBE		77 E. COLUMBUS AVE. #202 PHOENIX, AZ 85012-
PUBLIC RELATIONS, MARKETING	VILLICANA & ASSOCIATES REBECCA VILLICANA	(602) 265-7350 MBE		716 E. CLAREMONT PHOENIX, AZ 85014-
PUMPS, COMPRESSORS, INDUSTRIAL SALES	WILLING PUMP & SUPPLY CO., INC. C. JEAN MCMULLIN	(602) 246-6640 WBE		3735 W. CAMBRIDGE AVE. PHOENIX, AZ 85009-
REAL ESTATE APPRAISAL & CONSULTATION	DENNIS LOPEZ & ASSOCIATES DENNIS L. LOPEZ	(602) 838-7332 MBE		209 E. BASELINE RD., #205 TEMPE, AZ 85283-
REAL ESTATE BROKERAGE	PROPERTY DIMENSIONS, LTD. CATH HAIRE-WILKINSON	(602) 241-1404 WBE		6520 N. 7TH ST. #185 PHOENIX, AZ 85014-
REAL ESTATE BROKERAGE, PROPERTY MANAGE	ENTERPRISE 2000, INC. DANIEL VALENZUELA	(602) 254-1800 MBE		809 N. FIFTH AVE PHOENIX, AZ 85003-
REAL ESTATE SERVICES	E.D. REAL ESTATE E. DARLENE GRIEGER	(602) 964-4277 WBE		P.O. BOX 5580 MESA, AZ 85211-
REAL ESTATE SPECIALIST	G.H. BENAVIDES CONSULTANTS SERVICE GEO H. BENVIDES	(602) 930-1312 MBE		6822 N. 58TH AVE. GLENDALE, AZ 85301-
REBAR PLACEMENT	SUNDANCE REBAR, INC. LEAH E. WINCHESTER	(602) 926-3341 WBE		1520 W. WARNER RD. #106/127 GILBERT, AZ 85234-
REBAR STEEL PLACEMENT	ENDO STEEL, INC. GARY WERLINGER	(602) 969-4571 MBE		P.O. BOX 30516 MESA, AZ 85275-
RECORDS MANAGEMENT SERVICE	ARMSTRONG DATA SERVICES, INC. JACK C. PRISTER	(602) 527-7969 MBE		2 N. CENTRAL AVE., #1250 PHOENIX, AZ 85004-
RESPIRATORY THERAPY PERSONNEL	PROFESSIONAL RESPIRATORY CARE SVS., INC. JEAN MATHEWS	(602) 277-0753 WBE		2255 N. 44TH ST., #160 PHOENIX, AZ 85008-

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RETAIL SALES OF HAIR PRODUCTS	WEBBER AND LANE CORP. ETHEL MACLANE	(602) 252-6353 M/WBE		730 S. 15TH AVE. PHOENIX, AZ 85007-
RUBBER STAMPS SALES & SERVICE	EAGLE RUBBER STAMP CO. LUO KAMRADT	(602) 842-9323 WBE		8021 N. 43RD AVE., #1 PHOENIX, AZ 85051-5700
SALES & SERVICE OF OUTDOOR POWER EQUIP.	EVERGREEN BIKE & LAWN EQUIPMENT PAT RITCHEY	(602) 932-0060 WBE		880 E. VAN BUREN Suite #102 GOODYEAR, AZ 85338
SALES OF AUTO REFINISHING PRODUCTS	FIESTA AUTOMOTIVE PAINT & SUPPLY, INC. ALBERT G. RUIZ	(602) 829-8896 MBE		2090 E. UNIVERSITY, #106 TEMPE, AZ 85281-
SALES OF TELEPHONE EQUIPMENT	J.M.H. COMMUNICATIONS, INC. JOAN HOWARD	(602) 966-7298 WBE		325 E. SOUTHERN AVE. #111 TEMPE, AZ 85282-
SALES, DESIGN OF SECURITY SYSTEMS	CENTRON SECURITY SYSTEMS, INC. KAREN KING	(908) 868-1143 WBE		P.O. BOX 4322 DUNELLEN, NJ 08812-
SHORING & SCAFFOLDING CONTRACTOR	SUN-SET FALSEWORK ROLANDO TANNOYA	(602) 949-9246 MBE		2643 N. GRANITE REEF RD. SCOTTSDALE, AZ 85257-
SHOTCRETE PLACEMENT	SHOTCRETE SPECIALTIES MICKEY M. GARNER	(602) 838-7412 WBE		14901 S. 48TH ST. PHOENIX, AZ 85044-
SIGNS MANUFACTURER	ALL SIGN SYSTEMS TINA LOCKWOOD	(602) 230-0614 WBE		4029 N. 31ST AVE. PHOENIX, AZ 85017-
SIGNS, FRAMES, SCREENPRINTING INSTALLATION	SIGN CITY DEBRA J. HEIDRICH	(602) 881-8443 WBE		2727 E. GRANT RD. TUCSON, AZ 85716-
SILK-SCREEN PRINTING	BUCK-SHIRTS TRAVIS BENTON	(602) 264-5696 MBE		130 W. PIERSON PHOENIX, AZ 85013-
SKIN PROTECTION PRODUCT DISTR.	MARY PAT HEALEY, RN MARY PAT HEALEY	(602) 934-1711 WBE		9021 N. 349TH DR. PHOENIX, AZ 85051-
SNACK FOOD WHOLESALER & MANUFACTURER	ROCKING JC SOUTHWEST FOODS SUSAN CARRASCO	(602) 596-0014 MBE		7441 E. BUTHERUS #500 SCOTTSDALE, AZ 85260-
SPECIAL EVENTS MANAGER	HEMINGWAY'S ENTERPRISES ALMA S. PENA	(602) 460-2112 M/WBE		1402 E. NIGHT HAWK WAY PHOENIX, AZ 85044-
SPORTING GOODS RETAIL/WHOLESALE	WAREHOUSE SPORTS & RECREATION IRENE ECHEVESTE	(602) 820-8533 MBE		3415 S. McCLINTOCK, #6 TEMPE, AZ 85282-
STORYTELLER, PERFORMING ARTS	PAT MAHIN, MASTER STORYTELLER PATRICIA MAHIN	(602) 860-4123 WBE		8995 E. CAPTAIN DREYFUS SCOTTDALE, AZ 85260-
STRATEGIC PLANNING CONSULTANTS	PARTNERS FOR STRATEGIC ACTION PEGGY A. FIANDACA	(602) 786-3583 WBE		1990 N. ALMA SCHOOL RD., #371 CHANDLER, AZ 85224-

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SUPPLIER OF INDUSTRIAL EQUIPMENT	INDUSTRIAL SALES & SERVICE, CO. JOANNE P. FEEMAN	(702) 456-5357 WBE	12 SUNSET WAY #B-206 HENDERSON, NV 89014-
SUPPLIER OF NATIVE SEEDS	WILD SEED, INC. RITA JO ANTHONY	(602) 345-0669 WBE	2073 EAST ASU CIRCLE TEMPE, AZ 85284-
SUPPLIER OF NUTS & BOLTS	DRUMMER ELECTRIC COMPANY, INC. LINDA WILLIAMS	(602) 255-0009 WBE	P.O. BOX 11275 PHOENIX, AZ 85061-
SURVEYING, AERIAL CONTROL	VALCO SURVEYING CORP. VALENTINE M. PADILLA	(602) 990-2412 MBE	6426 E. VIRGINIA AVENUE SCOTTSDALE, AZ 85257-
SURVEYING; CIVIL, STRUCTURAL ENGINEERING	LOUIS C. WARNER & COMPANY LOUIS C. WARNER	(602) 990-3008 MBE	4422 N. CIVIC CENTER PLAZA #10 SCOTTSDALE, AZ 85251-
TAXI SERVICE	ALPHA CAB COMPANY JAMES AMOAKO	(602) 936-7007 MBE	8826 W. ENCANTO BLVD. PHOENIX, AZ 85037-
TEMP NURSING SERVICES	SACRED HEART NURSING SERVICES, INC. ANDREA G. DATINGALING	(602) 953-2892 M/WBE	10411 N. 42ND ST. PHOENIX, AZ 85028-
TEMP. EMPLOYMENT SERVICE	PRIORITY STAFFING RICK SCHULTE	(602) 491-2191 MBE	4600 S. MILL AVE., #275 TEMPE, AZ 85282-
TENANT IMPROVEMENT	SKYLINE BUILDERS & RESTORATION, INC. SALLY J. COHILL	(602) 941-1359 WBE	15202 N. CAVE CREEK RD. PHOENIX, AZ 85032-
TOWING AND RECOVERY	ARIZONA'S PROFESSIONAL TOWING, INC. LYNDA A. BORHAUER	(602) 257-1665 WBE	2901 W. WELDON AVE. PHOENIX, AZ 85017-
TRAFFIC ENGINEERING	EMCI CATHERINE OENBRINK	(407) 842-1888 DBE	P.O. BOX 2345 WEST PALM BEACH, FL 33402-
TRAFFIC ENGINEERING	SOLAEGUI ENGINEERS, LTD. PAUL W. SOLAEGUI	(702) 358-1004 MBE	2100 CAPURRO WAY, #F 2ND FL. SPARKS, NV 89431-
TRAINING & DEVELOPMENT	VENTURE UP INC TERESA SHAW LENGYEL	(602) 957-9351 WBE	2415 E. INDIAN SCHOOL RD. PHOENIX, AZ 85016-
TRAINING AND MANAGEMENT CONSULTING	VICKI ROMERO & ASSOCIATES, INC. VICKI ROMERO	(602) 483-8722 WBE	P. O. Box 5167 SCOTTSDALE, AZ 85261-
TRAINING SYSTEMS DESIGN	RICKENBACKER AVIATION, INC. JACQUELINE RICKENBACKER	(602) 396-4067 WBE	P.O. BOX 20517 MESA, AZ 85277-0517
TRANSIT PLANNING & MANAGEMENT SERVICES	THE TRANSIT EXPERT, INC. SUZANNE O'NEILL	(303) 646-4319 DBE	P.O. BOX 637 ELIZABETH, CO 80107-
TRANSPORTATION PLANNING	TRANSPORTATION CONSULTING MDA, INC. MARSHA D. ANDERSON	(404) 813-0882 WBE	3400 McCLURE BRIDGE. BLD.G#C DULUTH, GA 30136-

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TRASP. PLANNING, COMMUNITY PARTICIPATION	PM: A/PLANNING & MANAGMENT APPLIED FIL A. CHAVEZ	(602) 885-9283 MBE	1150 N. EL DORADO PLACE, #245 TUCSON, AZ 85715-
TRAVEL AGENCY	ALL WAY TRAVEL KAREN ROSE ROICE	(602) 866-9297 WBE	13601 N. 19TH AVE. PHOENIX, AZ 85029-
TRAVEL AGENCY, FULL SERVICE	MOON VALLEY TRAVEL SERVICE, INC DEBRA L MARTIN	(602) 866-1950 WBE	13240 N. 7TH ST E-2 PHOENIX, AZ 85022-
TRAVEL SERVICE	NATIVE AMERICAN TRAVEL SERVICE TANDY C. YOUNG	(602) 945-0771 MBE	4130 N. GOLDWATER BLVD. #114 SCOTTSDALE, AZ 85251-
TREE CUTTING	THE MARCHAND COMPANY SUSAN E. TASSO	(602) 981-7365 WBE	761 N. REGENT ST. MESA, AZ 85205-
TRUCKING	HARRIS & SONS TRUCKING ETHEL R. HARRIS	(602) 892-9009 WBE	P.O. BOX 741 GILBERT, AZ 85234-
TRUCKING	M & P CONTRACTING, INC. ANN HARDIN	(602) 278-7877 WBE	3425 N. 29TH AVE. PHOENIX, AZ 85017-
TRUCKING, HAULERS & BROKERS	A.A.S.R. HAULERS & TRUCK BROKERAGE JUDITH G. AUSTIN	(602) 895-5799 WBE	24611 S. McQUEEN RD. CHANDLER, AZ 85249-
TYPESETTING, LAYOUT & DESIGN	DUOTYPE SERVICES, INC. ROSANNE ARMIJO	(602) 222-9494 MBE	3030 N. CENTRAL AVE., #101 PHOENIX, AZ 85012-
TYPING, WORD PROCESSING, REPORT PREP.	MACWORD PRO DEBBIE N. CLIFFORD	(602) 844-1648 WBE	816 N. STANDAGE MESA, AZ 85201-
TYPSETTING, DESIGN SERVICES	A-1 TYPESETTING & GRAPHICS BUSHRA YOUSIF	(602) 759-7415 WBE	2042 E. SAPLUM WAY PHOENIX, AZ 85044-
UNDERGROUND PIPELINES INSTALLATION	SHIYA-STREPHANS CONTRACTING, CO. ROBERT STREPHANS	(602) 997-6308 MBE	2301 W. DUNLAP AVE. #106 PHOENIX, AZ 85021-
UNDERGROUND UTILITIES, CONTRACTOR	BANNER CONSTRUCTION COMPANY, INC. RUTH G. JUAREZ	(602) 936-1931 MBE	6805 W. VAN BUREN PHOENIX, AZ 85043-
URBAN & LAND PLANNING, CIVIL ENGINEERING	DAVA & ASSOCIATES, INC. DAVA Z. HOFFMAN	(602) 778-7587 WBE	310 E. UNION STREET PRESCOTT, AZ 86303-
URBAN ECONOMIST, MARKET, FISCAL ANALYSIS	GRUEN GRUEN + ASSOCIATES CLAUDE GRUEN	(415) 989-4224 MBE	564 HOWARD STREET SAN FRANCISCO, CA 94105-
VENDING EQUIPMENT	TRIPLE J. UNITED VENDING COMPANY JULIA Z. TSAO	(602) 940-8634 M/WBE	4553 E. THISTLE LANDING DR. PHOENIX, AZ 85044-
WELDING CONTRACTOR	MORENO WELDING DANIEL MORENO	(602) 276-9508 MBE	P.O. BOX 8096E PHOENIX, AZ 85040-

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WELDING SUPPLIES & GASES	TRI-M WELDING SUPPLY CORP., ACC BARBRA A. MARTIN	(602) 435-2622 WBE	P.O. BOX 14176 PHOENIX, AZ 85063-
WHOLESALE DISTRIBUTOR OF MECH. FASTENERS	SOUTHWEST FASTENER DISTRIBUTION CO. CATHERINE E. FILIPPONE	(602) 272-2658 WBE	4035 W. VAN BUREN PHOENIX, AZ 85009-
WINDOW COVERING	DESERT BLINDS & WINDOW DESIGNS ANNE MICHALS	(602) 940-8385 WBE	4909 W. JOSHUA BLVD, #1013 CHANDLER, AZ 85226-
WINDOW COVERING CLEANING	DESERT BLIND CLEANING ANNE MICHALS	(602) 273-5822 WBE	4009 W. JOSHUA BLVD., #1013 CHANDLER, AZ 85226-
WINDOW COVERINGS	BLIND IDEAS & INTERIORS, INC. TAMARA L SNIDER	(602) 246-1913 WBE	P.O. BOX 42646 PHOENIX, AZ 85080-
WORD PROCESSING SUPPLIES	CASCADE BUSINESS SUPPLY MEL MEEKS	(602) 897-2431 MBE	999 E. BASELINE #1204 TEMPE, AZ 85283-