

2. AMENDMENT/MODIFICATION NO. 0003	3. EFFECTIVE DATE SEP 17, 2003	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable) SPEC. NO. 1356
6. ISSUED BY LOS ANGELES DISTRICT , COE CESPL-CT-WEST REGION BRANCH P.O. BOX 532711 LOS ANGELES, CALIFORNIA 90053-2325		7. ADMINISTERED BY (If other than Item 6) LOS ANGELES DISTRICT , COE CESPL-CT-WEST REGION BRANCH P.O. BOX 532711 LOS ANGELES, CALIFORNIA 90053-2325	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)	(√)	9A. AMENDMENT OF SOLICITATION NO. DACA09-03-B-0010
	X	9B. DATED (SEE ITEM 11) AUG. 08, 2003
		10A. MODIFICATION OF CONTRACTS/ORDER NO. N/A
		10B. DATED (SEE ITEM 13) N/A
CODE	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

NOTE: ITEM 13 BELOW IS N/A.

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(√)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. N/A
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority) N/A

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) CONTRACT FOR MAINTAINING AND REPAIRING WATER, GAS AND SEWER LINES AT MILITARY INSTALLATIONS WITHIN LOS ANGELES DISTRICT, U.S. ARMY CORPS OF ENGINEERS

Note: The Receipt of Proposals date has been changed to: September 23, 2003.

- 1 Encl
1. Revised Pages: Bidders Notes (Located at end of Pricing Schedule), Section 00100 (Page 8 & 13 Bid Guarantee), Measurement and Payment Section

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED
	16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)
	16C. DATE SIGNED

BIDDERS' NOTES:

1. All prices shall include overhead where applicable and profit. The bidder shall distribute his indirect costs (overhead, profit, bond, etc.) over all items in the Price Schedule. The Government will review all submitted Price Schedules for any unbalancing of the items. Any submitted Price Schedule determined to be unbalanced may be considered non-responsive and cause the bidder to be ineligible for contract award.
2. The bidder shall furnish all plant, labor, material, equipment, etc., necessary to perform all work in strict accordance with the terms and conditions set forth in the contract, to include all attachments thereto.
3. All extensions of the unit prices shown shall be subject to verification by the Government. In case of variation between the unit price and the extension, the unit price will be considered to be the offer. For the purpose of initial evaluation of bids, the following will be utilized in resolving arithmetic discrepancies found on the face of the Price Schedule as submitted by the bidder:
 - a. Obviously misplaced decimal points will be corrected;
 - b. In case of discrepancy between the unit price and the extended price, the unit price will govern;
 - c. Apparent errors in extension of unit prices will be corrected;
 - d. Apparent errors in addition of lump sum and extended prices will be corrected.

For the purpose of bid evaluation, the Government will proceed on the assumption that the bidder intends the bid to be evaluated on the basis of unit prices the totals arrived at by the resolution of arithmetic discrepancies as provided above and the bid will be so reflected on the abstract of bids.

4. If an offer or modification to an offer based on unit prices is submitted which provides for a lump sum adjustment to the total estimated amount, the application of the lump sum adjustment to each unit price in the Schedule must be stated. If it is not stated, the bidder agrees that the lump sum adjustment shall be applied on a pro rata basis to every price in the Schedule.
5. Amounts and prices shall be indicated in either words or figures, NOT BOTH. Bidders are cautioned to check their Price Schedule carefully for errors prior to submission. If the pricing schedules contain unit prices, they should be extended to the actual amount and not rounded off.
6. When awarding the contract, the guaranteed minimum shall be 2% of the not-to-exceed capacity for the contract, or \$500,000, whichever is less. The minimum guaranteed amount may be met by the award of a task order in an equivalent amount.

7. ADDITIONAL WORK:

LABOR POOL: A pool of labor hours has been set aside to accomplish work not covered in the contract line items listed in the Price Schedule. The contractor is required to include direct labor rates, related labor rates, mix trades, overhead, General and Administrative expenses and Profit in the development of the composite labor rate. The justification for and dollar amount will be negotiated for each Task Order as needed.

EQUIPMENT POOL: This pool is established to accomplish work not covered in the contract line items listed in the Price Schedule. The Contractor is required to provide copies of invoices for rental of equipment and/or provide rate schedules in support of these costs. The justification for and dollar amount will be negotiated for each Task order as needed.

MATERIAL POOL: This pool is established to accomplish work not covered in the contract line items in the Price Schedule. The Contractor is required to provide copies of purchase order and/or invoices for material required/utilized in support of these costs. The justification for and dollar amount will be negotiated for each Task Order as needed.

8. BONDING REQUIREMENTS: Pursuant to the Miller Act, Performance and Payment Bonds or Alternative Payment Protections will be provided for all Task Orders awarded under this contract. Upon award of the contract, the penal sum of the Performance and Payment Bond shall be \$500,000.00. If the first task order is greater than \$500,000.00, then the Contracting Officer can either direct an increase in the penal sum of the bonds to match the price of the Task Order or require an additional bond. Thereafter, each Task Order can have its own Performance and Payment Bonds. Consents of Surety may be required for changes increasing the price of a particular task order. Bonds and other protections shall be provided within 10 calendar days of award of a Task Order or as stated in the Invitation for Bids. A Notice to Proceed will not be issued until the Contractor provides sufficient bonding to cover the work being performed.

9. APPLICATION OF DAVIS-BACON ACT (DBA) PROVISIONS: The wage rates for this contract shall be in accordance with the Davis Bacon Act and the provisions of FAR subpart 22.404-2(a) and 22.404-12(b). Wage determinations will be issued on a Task Order basis and in conformance with the DOL rate in effect at the time of award of the Contract or subsequent exercise of an Option Period and shall apply to all task orders issued during the applicable period for the locality in which the work is to be performed. The wage rates shall remain in effect for the complete performance period of the task order. For instance, any task order issued during the Base Period of the contract shall have incorporated the wage determination in effect at the time of contract award for the locality of the project and any task order issued during an option period shall include the rates applicable at the time of exercising the option. Task orders shall include the complete text of the applicable DOL wage determination and shall not merely incorporate the determination by reference.

10. Quantities listed are estimated, the bidders unit prices must be FIRM.
11. Please note that although all contract line item numbers (CLINS) show a specific amount, the actual quantity will be on an “as required” basis. The quantities specified in the Price Schedule are estimated for purpose of evaluation only and are not necessarily purchased by this contract.
12. This contract is written for a duration of 36 months or not to exceed amount of \$15,000,000.00 , whichever occurs first. Based on this, three sets of pre-priced line items are to be unit priced. The first set of line items will be used during the first 12 months of the contract, the second set during the second twelve months, and the third during the last twelve months of the contract, if the contract capacity has not been exhausted by that time.
13. PRINCIPAL CONTRACTING OFFICER: The Contracting Officer who signs this contract will be the Principal Contracting Officer for this contract. However, any Contracting Officer assigned to the Los Angeles District, contracting within his or her authority, may take formal action on this contract when a contract action needs to be taken and the Principal Contracting Officer is unavailable.
14. The Contract Clause 52.232-27, “Prompt Payment for Construction Contracts” requires that the name and address of the contractor official, to whom payment is to be sent, be the same as that in the contract or in a proper Notice of Assignment.
15. Payments under Firm Fixed Price Task Orders will be made pursuant to FAR 52.23-5, “Payments Under Fixed Price Construction Contracts.”

CERTIFICATE OF CORPORATE PRINCIPAL

1) IF THE OFFEROR IS A JOINT VENTURE, COMPLETE THE FOLLOWING:

(Company Name) (Signature) (Title)

(Company Name) (Signature) (Title)

(Company Name) (Signature) (Title)

2) IF THE OFFEROR IS PARTNERSHIP, LIST FULL NAME OF ALL PARTNERS:

(Company Name) (Signature) (Title)

(Company Name) (Signature) (Title)

(Company Name) (Signature) (Title)

3) IF THE OFFEROR IS A CORPORATION, THE FOLLOWING CERTIFICATION SHOULD BE COMPLETED:

CERTIFICATION AS TO CORPORATE PRINCIPAL

I, _____, certify that I am the Secretary of the corporation named as principal in the within contract; that _____, who signed the said contract on behalf of the principal, was the _____ of the corporation; that I know his signature and that his signature is genuine; and that said contract was duly signed, sealed and attested for in behalf of said corporation by authority of its governing body.

CORPORATE PRINCIPAL

CORPORATE SEAL

SECRETARY

Section 00100 - Bidding Schedule/Instructions to Bidders

52.0000-4010 INQUIRIES 2
52.0000-4023 SAFETY REQUIREMENTS 2
52.0001-4004 BID RESULTS 2
52.209-4501 CONTRACTOR REponsibility, PRE-AWARD SURVEY..... 2
52.211-2 AVAILABILITY OF SPECIFICATIONS LISTED IN THE DOD INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) AND DESCRIPTIONS LISTED IN THE ACQUISITION MANAGEMENT SYSTEMS AND DATA REQUIREMENTS CONTROL LIST, DOD 5010.12-L (DEC 1999) 3
52.211-14 NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE (SEP 1990) 3
52.211-15 DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS (SEP 1990) 3
..... 3
52.214-3 AMENDMENTS TO INVITATIONS FOR BIDS (DEC 1989)..... 3
52.214-4 FALSE STATEMENTS IN BIDS (APR 1984) 4
52.214-5 SUBMISSION OF BIDS (MAR 1997) 4
52.214-6 EXPLANATION TO PROSPECTIVE BIDDERS (APR 1984)..... 4
52.214-7 LATE SUBMISSIONS, MODIFICATIONS, AND WITHDRAWALS OF BIDS (NOV 1999) 4
52.214-10 CONTRACT AWARD--SEALED BIDDING (JUL 1990) 5
52.214-12 PREPARATION OF BIDS (APR 1984)..... 6
52.214-34 SUBMISSION OF OFFERS IN THE ENGLISH LANGUAGE (APR 1991) . 7
52.214-35 SUBMISSION OF OFFERS IN U.S. CURRENCY (APR 1991)..... 7
52.0214-4500 ARITHMETIC DISCREPANCIES EFARS 52.214-5000 7
52.0214-4583 TELEGRAPHIC BIDS/OFFERS ARE NOT ACCEPTABLE 7
52.0214-4584 FACSIMILE BIDS/OFFERS 8
52.0214-4599 EVALUATION FOR AWARD 8
52.214-5000 APPARENT CLERICAL MISTAKES (MAR 1995)—EFARS 8
52.0214-5001 DIRECTIONS FOR SUBMITTING BIDS (APR 2002)..... 8
52.216-1 TYPE OF CONTRACT (APR 1984) 11
52.219-18 NOTIFICATION OF COMPETITION LIMITED TO ELIGIBLE 8(A) CONCERNS (JUN 1999)--ALTERNATE I (NOV 1989) 11
52.225-12 NOTICE OF BUY AMERICAN ACT REQUIREMENT-- CONSTRUCTION MATERIALS UNDER TRADE AGREEMENTS (MAY 2002)..... 12
52.228-1 -- BID GUARANTEE.(SEP 1996)..... 13
52.232-38 SUBMISSION OF ELECTRONIC FUNDS TRANSFER INFORMATION WITH OFFER (MAY 1999)..... 13
52.233-2 SERVICE OF PROTEST (AUG 1996)..... 14

52.0000-4010 INQUIRIES

Prospective bidders/offerors should submit inquiries related to this solicitation by writing or calling the following (collect calls will not be accepted):

(1) For inquiries of a contractual nature (solicitation requirements, interpretation of contractual language) call:

Cindy Myrtetus

(213) 452-3247

(2) All technical questions on the specification or drawings will be submitted in writing to:

Address:

Larry Gittings
U.S. Army Corps of Engineers
Sacramento District
Programs Management
Telephone: 916.557.7215
Facimile: 916.557.7866

(3) Please include the solicitation number, project title and location of project with your questions. Written inquiries must be received by this office not later than 14 calendar days prior to bid opening date/date set for receipt of offers.

(4) Oral explanations or instructions are not binding. Any information given to a bidder/offeror which impacts the bid/offer will be given in the form of a written amendment to the solicitation.

52.0000-4023 SAFETY REQUIREMENTS

The bidder's attention is directed to the latest version of U.S Army Corps of Engineers Safety and Health Manual, EM 385-1-1, which will be strictly enforced. This publication may be obtained from the US Army Engineer District, Los Angeles, ATTN: Safety Office, P.O. Box 532711, Los Angeles, California 90053-2325. An electronic version is available at <http://www.usace.army.mil/publications/eng-manuals/em385-1-1/toc.htm>

52.0001-4004 BID RESULTS

The website for bid results after the opening is <https://ebs.spl.usace.army.mil>

52.209-4501 CONTRACTOR REponsIBILITY, PRE-AWARD SURVEY

In order to determine a contractor's responsibility for purposes of contract award in accordance with FAR Part 9, a statement regarding previous experience in performing comparable work, and/or plant to be used in performing the work is required. After the bid opening, the Government will request this information and set a due date for its submission.

52.211-2 AVAILABILITY OF SPECIFICATIONS LISTED IN THE DOD INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) AND DESCRIPTIONS LISTED IN THE ACQUISITION MANAGEMENT SYSTEMS AND DATA REQUIREMENTS CONTROL LIST, DOD 5010.12-L (DEC 1999)

Copies of specifications, standards, and data item descriptions cited in this solicitation may be obtained--

(a) From the ASSIST database via the Internet at <http://assist.daps.mil>; or

(b) By submitting a request to the--Department of Defense Single Stock Point (DoDSSP), Building 4, Section D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, Telephone (215) 697-2667/2179, Facsimile (215) 697-1462.

(End of provision)

52.211-14 NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE (SEP 1990)

Any contract awarded as a result of this solicitation will be DX rated order; DO rated order certified for national defense use under the Defense Priorities and Allocations System (DPAS) (15 CFR 700), and the Contractor will be required to follow all of the requirements of this regulation. [Contracting Officer check appropriate box.]

(End of provision)

52.211-15 DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS (SEP 1990)

This is a rated order certified for national defense use, and the Contractor shall follow all the requirements of the Defense Priorities and Allocations System regulation (15 CFR 700).

(End of clause)

52.214-3 AMENDMENTS TO INVITATIONS FOR BIDS (DEC 1989)

(a) If this solicitation is amended, then all terms and conditions which are not modified remain unchanged.

(b) Bidders shall acknowledge receipt of any amendment to this solicitation (1) by signing and returning the amendment, (2) by identifying the amendment number and date in the space provided for this purpose on the form for submitting a bid, (3) by letter or telegram, or (4) by facsimile, if facsimile bids are authorized in the solicitation. The Government must receive the acknowledgment by the time and at the place specified for receipt of bids.

(End of provision)

52.214-4 FALSE STATEMENTS IN BIDS (APR 1984)

Bidders must provide full, accurate, and complete information as required by this solicitation and its attachments. The penalty for making false statements in bids is prescribed in 18 U.S.C. 1001.

(End of provision)

52.214-5 SUBMISSION OF BIDS (MAR 1997)

(a) Bids and bid modifications shall be submitted in sealed envelopes or packages (unless submitted by electronic means) (1) addressed to the office specified in the solicitation, and (2) showing the time and date specified for receipt, the solicitation number, and the name and address of the bidder.

(b) Bidders using commercial carrier services shall ensure that the bid is addressed and marked on the outermost envelope or wrapper as prescribed in subparagraphs (a) (1) and (2) of this provision when delivered to the office specified in the solicitation.

(c) Telegraphic bids will not be considered unless authorized by the solicitation; however, bids may be modified or withdrawn by written or telegraphic notice.

(d) Facsimile bids, modifications, or withdrawals, will not be considered unless authorized by the solicitation.

(e) Bids submitted by electronic commerce shall be considered only if the electronic commerce method was specifically stipulated or permitted by the solicitation.

(End of provision)

52.214-6 EXPLANATION TO PROSPECTIVE BIDDERS (APR 1984)

Any prospective bidder desiring an explanation or interpretation of the solicitation, drawings, specifications, etc., must request it in writing soon enough to allow a reply to reach all prospective bidders before the submission of their bids. Oral explanations or instructions given before the award of a contract will not be binding. Any information given a prospective bidder concerning a solicitation will be furnished promptly to all other prospective bidders as an amendment to the solicitation, if that information is necessary in submitting bids or if the lack of it would be prejudicial to other prospective bidders.

(End of provision)

52.214-7 LATE SUBMISSIONS, MODIFICATIONS, AND WITHDRAWALS OF BIDS (NOV 1999)

(a) Bidders are responsible for submitting bids, and any modifications or withdrawals, so as to reach the Government office designated in the

invitation for bids (IFB) by the time specified in the IFB. If no time is specified in the IFB, the time for receipt is 4:30 p.m., local time, for the designated Government office on the date that bids are due.

(b) (1) Any bid, modification, or withdrawal received at the Government office designated in the IFB after the exact time specified for receipt of bids is "late" and will not be considered unless it is received before award is made, the Contracting Officer determines that accepting the late bid would not unduly delay the acquisition; and--

(i) If it was transmitted through an electronic commerce method authorized by the IFB, it was received at the initial point of entry to the Government infrastructure not later than 5:00 p.m. one working day prior to the date specified for receipt of bids; or

(ii) There is acceptable evidence to establish that it was received at the Government installation designated for receipt of bids and was under the Government's control prior to the time set for receipt of bids.

(2) However, a late modification of an otherwise successful bid that makes its terms more favorable to the Government, will be considered at any time it is received and may be accepted.

(c) Acceptable evidence to establish the time of receipt at the Government installation includes the time/date stamp of that installation on the bid wrapper, other documentary evidence of receipt maintained by the installation, or oral testimony or statements of Government personnel.

(d) If an emergency or unanticipated event interrupts normal Government processes so that bids cannot be received at the Government office designated for receipt of bids by the exact time specified in the IFB and urgent Government requirements preclude amendment of the IFB, the time specified for receipt of bids will be deemed to be extended to the same time of day specified in the solicitation on the first work day on which normal Government processes resume.

(e) Bids may be withdrawn by written notice received at any time before the exact time set for receipt of bids. If the IFB authorizes facsimile bids, bids may be withdrawn via facsimile received at any time before the exact time set for receipt of bids, subject to the conditions specified in the provision at 52.214-31, Facsimile Bids. A bid may be withdrawn in person by a bidder or its authorized representative if, before the exact time set for receipt of bids, the identity of the person requesting withdrawal is established and the person signs a receipt for the bid.

(End of provision)

52.214-10 CONTRACT AWARD--SEALED BIDDING (JUL 1990)

(a) The Government will evaluate bids in response to this solicitation without discussions and will award a contract to the responsible bidder whose bid, conforming to the solicitation, will be most advantageous to the Government considering only price and the price-related factors specified elsewhere in the solicitation.

(b) The Government may (1) reject any or all bids, (2) accept other than the lowest bid, and (3) waive informalities or minor irregularities in bids received.

(c) The Government may accept any item or group of items of a bid, unless the bidder qualifies the bid by specific limitations. Unless otherwise provided in the Schedule, bids may be submitted for quantities less than those specified. The Government reserves the right to make an award on any item for a quantity less than the quantity offered, at the unit prices offered, unless the bidder specifies otherwise in the bid.

(d) A written award or acceptance of a bid mailed or otherwise furnished to the successful bidder within the time for acceptance specified in the bid shall result in a binding contract without further action by either party.

(e) The Government may reject a bid as nonresponsive if the prices bid are materially unbalanced between line items or subline items. A bid is materially unbalanced when it is based on prices significantly less than cost for some work and prices which are significantly overstated in relation to cost for other work, and if there is a reasonable doubt that the bid will result in the lowest overall cost to the Government even though it may be the low evaluated bid, or if it is so unbalanced as to be tantamount to allowing an advance payment.

(End of provision)

52.214-12 PREPARATION OF BIDS (APR 1984)

(a) Bidders are expected to examine the drawings, specifications, Schedule, and all instructions. Failure to do so will be at the bidder's risk.

(b) Each bidder shall furnish the information required by the solicitation. The bidder shall sign the bid and print or type its name on the Schedule and each continuation sheet on which it makes an entry. Erasures or other changes must be initialed by the person signing the bid. Bids signed by an agent shall be accompanied by evidence of that agent's authority, unless that evidence has been previously furnished to the issuing office.

(c) For each item offered, bidders shall (1) show the unit price, including, unless otherwise specified, packaging, packing, and preservation and (2) enter the extended price for the quantity of each item offered in the "Amount" column of the Schedule. In case of discrepancy between a unit price and an extended price, the unit price will be presumed to be correct, subject, however, to correction to the same extent and in the same manner as any other mistake.

(d) Bids for supplies or services other than those specified will not be considered unless authorized by the solicitation.

(e) Bidders must state a definite time for delivery of supplies or for performance of services, unless otherwise specified in the solicitation.

(f) Time, if stated as a number of days, will include Saturdays, Sundays, and holidays.

(End of provision)

52.214-34 SUBMISSION OF OFFERS IN THE ENGLISH LANGUAGE (APR 1991)

Offers submitted in response to this solicitation shall be in the English language. Offers received in other than English shall be rejected.

(End of provision)

52.214-35 SUBMISSION OF OFFERS IN U.S. CURRENCY (APR 1991)

Offers submitted in response to this solicitation shall be in terms of U.S. dollars. Offers received in other than U.S. dollars shall be rejected.

(End of provision)

52.0214-4500 ARITHMETIC DISCREPANCIES EFARS 52.214-5000

(a) For the purpose of initial evaluation of bids, the following will be utilized in resolving arithmetic discrepancies found on the face

of the bidding schedule as submitted by bidders:

- (1) Obviously misplaced decimal points will be corrected;
- (2) Discrepancy between unit price and extended price, the unit price will govern;
- (3) Apparent errors in extension of unit prices will be corrected;
- (4) Apparent errors in addition of lump sum and extended prices will be corrected.

(b) For the purpose of bid evaluation, the Government will proceed on the assumption that the bidder intends his bid to be evaluated on the

basis of the unit prices, the totals arrived at by resolution of arithmetic discrepancies as provided above and the bid will be so reflected on the abstract of bids.

(c) These correction procedures shall not be used to resolve any ambiguity concerning which bid is low.

(End of statement)

52.0214-4583 TELEGRAPHIC BIDS/OFFERS ARE NOT ACCEPTABLE

Any telegram to modify or withdraw a bid/offer sent to this office must be physically delivered to the office designated for receipt of

bid/offer by the date and time set for bid opening/receipt of proposals.

No one from this office will be dispatched to the local telegraph office to pick up any telegram for any reason.

52.0214-4584 FACSIMILE BIDS/OFFERS

Facsimile bids/offers, modifications thereto, or cancellations of bids/offers will not be accepted.

52.0214-4599 EVALUATION FOR AWARD

The Government contemplates award of one contract to the responsive, responsible bidder who submits the low bid for the total of all the items in the Bidding Schedule.

52.214-5000 APPARENT CLERICAL MISTAKES (MAR 1995)-EFARS

(a) For the purpose of initial evaluations of bids, the following will be utilized in the resolving arithmetic discrepancies found on the face of bidding schedule as submitted by the bidder:

- (1) Obviously misplaced decimal points will be corrected;
- (2) Discrepancy between unit price and extended price, the unit price will govern;
- (3) Apparent errors in extension of unit prices will be corrected;
- (4) Apparent errors in addition of lump-sum and extended prices will be corrected.

(b) For the purpose of bid evaluation, the government will proceed on the assumption that the bidder intends his bid to be evaluated on basis of the unit prices, the totals arrived at by resolution of arithmetic discrepancies as provided above and the bid will be so reflected on the abstract of bids.

(c) These correction procedures shall not be used to resolve any ambiguity concerning which bid is low.

(End of statement)

52.0214-5001 DIRECTIONS FOR SUBMITTING BIDS (APR 2002)

Envelopes containing bids must be sealed, marked and addressed as follows:

MARK ENVELOPES:

Bid under IFB No. **DACA09-03-B-0010**
Bid Opening Date: **23 September 2003**

ADDRESS ENVELOPES TO:

Department of the Army
U. S. Army Engineer District, Los Angeles
ATTN: Contracting Division
C/O: **Cindy Myrtetus**
P. O. Box 532711
Los Angeles, CA 90053-2325

SPECIAL INSTRUCTIONS PERTAINING TO HAND-CARRIED BIDS:

Due to security precautions, all Corps of Engineers visitors/couriers are now required to check in at the Public Affairs Office (PAO), Suite 980, 911 Wilshire Blvd, Los Angeles, CA. Bidders are no longer permitted to hand-carry their bids directly to Contracting Division without an authorized escort. **Bids may NOT be left unattended at the Public Affairs Office (PAO), Suite 980.**

Bidders who desire to hand-deliver their bids prior to the scheduled bid opening time/date must notify the Contracting Division to arrange for receipt of their bid by Contracting Division personnel. Normally the contact will be the Contract Specialist designated above. In the event the Contract Specialist cannot be reached, please call the main Contracting Division telephone number, 213-452-3231 or the following alternative telephone numbers -3233, -3245, -3234, or -3235, in order to request assistance.

30 minutes prior to the scheduled bid opening time/date, the Bid Opening Officer will be in the Public Affairs Office (PAO) Suite 980, to accept bids. After visitor in-processing, all bidders will subsequently be escorted to Bid Opening Room, where the bids will be publicly opened and read.

In order to expedite visitor processing, bidders are encouraged to complete the information requested on the Notice of Visitor(s) Form (attached). The completed form can be faxed to the Contract Specialist at (213)452-4187 or 4184, prior to the date for receipt of bids. In addition, no more than 2 visitors per firm will be permitted within the building. No exceptions will be made. The offeror is responsible for compliance with the security requirements and shall ensure that any company representative, courier or delivery personnel are aware of these special procedures pertaining to hand carried bids.

NOTICE OF VISITOR(S)		
1. Date(s) of Visit (Inclusive)		2. Arrival Time
3. Name of Visitor(s) (Last, First)		4. Agency/Company of Visitor
5. Name of Person Being Visited (Include Div, Br, Sec)	6. Suite Number	7. Telephone Number
8. Contact Person (if other than Person Being Visited)		9. Telephone Number
10. Other Comments or Instructions		
<ul style="list-style-type: none"> - All visitors must report to the Public Affairs Office, Suite 980 - Visitors must use the Visitor Tag provided. - Visitors must be escorted to Corps of Engineers floors - Parking validation is only available for Engineering Division, Construction-Operations, and Information Management field personnel. - Delivery personnel will be validated for 30 minutes only. 		

52.216-1 TYPE OF CONTRACT (APR 1984)

The Government contemplates award of a Firm Fixed Price Indefinite Delivery Indefinite Quantity contract resulting from this solicitation.

(End of clause)

52.219-18 NOTIFICATION OF COMPETITION LIMITED TO ELIGIBLE 8(A) CONCERNS (JUN 1999)--ALTERNATE I (NOV 1989)

(a) Offers are solicited only from small business concerns expressly certified by the Small Business Administration (SBA) for participation in the SBA's 8(a) Program and which meet the following criteria at the time of submission of offer--

(1) The Offeror is in conformance with the 8(a) support limitation set forth in its approved business plan; and

(2) The Offeror is in conformance with the Business Activity Targets set forth in its approved business plan or any remedial action directed by the SBA.

(4) The offeror's approved business plan is on the file and serviced by Small Business Administration Headquarters or approved satellite offices within Regions 8 and 9 of the Small Business Administration.

(b) By submission of its offer, the Offeror certifies that it meets all of the criteria set forth in paragraph (a) of this clause.

(c) Any award resulting from this solicitation will be made to the Small Business Administration, which will subcontract performance to the successful 8(a) offeror selected through the evaluation criteria set forth in this solicitation.

(d)(1) Agreement. A small business concern submitting an offer in its own name agrees to furnish, in performing the contract, only end items manufactured or produced by small business concerns in the United States. The term "United States" includes its territories and possessions, the Commonwealth of Puerto Rico, the trust territory of the Pacific Islands, and the District of Columbia. If this procurement is processed under simplified acquisition procedures and the total amount of this contract does not exceed \$25,000, a small business concern may furnish the product of any domestic firm. This paragraph does not apply in connection with construction or service contracts.

(2) The Contractor will notify the U.S. Army Corps of Engineers Contracting Officer in writing immediately upon entering an agreement (either oral or written) to transfer all or part of its stock or other ownership interest to any other party.

(End of clause)

52.225-12 NOTICE OF BUY AMERICAN ACT REQUIREMENT-- CONSTRUCTION
MATERIALS UNDER TRADE AGREEMENTS (MAY 2002)

(a) Definitions. Construction material, designated country construction material, domestic construction material, foreign construction material, and NAFTA country construction material, as used in this provision, are defined in the clause of this solicitation entitled "Buy American Act--Construction Materials under Trade Agreements" (Federal Acquisition Regulation (FAR) clause 52.225-11).

(b) Requests for determination of inapplicability. An offeror requesting a determination regarding the inapplicability of the Buy American Act should submit the request to the Contracting Officer in time to allow a determination before submission of offers. The offeror shall include the information and applicable supporting data required by paragraphs (c) and (d) of FAR clause 52.225-11 in the request. If an offeror has not requested a determination regarding the inapplicability of the Buy American Act or Balance of Payments Program before submitting its offer, or has not received a response to a previous request, the offeror shall include the information and supporting data in the offer.

(c) Evaluation of offers. (1) The Government will evaluate an offer requesting exception to the requirements of the Buy American Act, based on claimed unreasonable cost of domestic construction materials, by adding to the offered price the appropriate percentage of the cost of such foreign construction material, as specified in paragraph (b) (4) (i) of FAR clause 52.225-11.

(2) If evaluation results in a tie between an offeror that requested the substitution of foreign construction material based on unreasonable cost and an offeror that did not request an exception, the Contracting Officer will award to the offeror that did not request an exception based on unreasonable cost.

(d) Alternate offers. (1) When an offer includes foreign construction material, other than designated country or NAFTA country construction material, that is not listed by the Government in this solicitation in paragraph (b) (3) of FAR clause 52.225-11, the offeror also may submit an alternate offer based on use of equivalent domestic, designated country, or NAFTA country construction material.

(2) If an alternate offer is submitted, the offeror shall submit a separate Standard Form 1442 for the alternate offer, and a separate price comparison table prepared in accordance with paragraphs (c) and (d) of FAR clause 52.225-11 for the offer that is based on the use of any foreign construction material for which the Government has not yet determined an exception applies.

(3) If the Government determines that a particular exception requested in accordance with paragraph (c) of FAR clause 52.225-11 does not apply, the Government will evaluate only those offers based on use of the equivalent domestic, designated country, or NAFTA country construction material, and the offeror shall be required to furnish such domestic, designated country, or NAFTA country construction material. An offer based on use of the foreign construction material for which an exception was requested--

(i) Will be rejected as nonresponsive if this acquisition is conducted by sealed bidding; or

(ii) May be accepted if revised during negotiations.

(End of provision)

52.228-1 -- BID GUARANTEE. (SEP 1996)

(a) Failure to furnish a bid guarantee in the proper form and amount, by the time set for opening of bids, may be cause for rejection of the bid.

(b) The bidder shall furnish a bid guarantee in the form of a firm commitment, e.g., bid bond supported by good and sufficient surety or sureties acceptable to the Government, postal money order, certified check, cashier's check, irrevocable letter of credit, or, under Treasury Department regulations, certain bonds or notes of the United States. The Contracting Officer will return bid guarantees, other than bid bonds --

(1) To unsuccessful bidders as soon as practicable after the opening of bids; and

(2) To the successful bidder upon execution of contractual documents and bonds (including any necessary coinsurance or reinsurance agreements), as required by the bid as accepted.

(c) The amount of the bid guarantee shall be 20% percent of the bid price or \$3,000,000.00, whichever is less.

(d) If the successful bidder, upon acceptance of its bid by the Government within the period specified for acceptance, fails to execute all contractual documents or furnish executed bond(s) within 10 days after receipt of the forms by the bidder, the Contracting Officer may terminate the contract for default.

(e) In the event the contract is terminated for default, the bidder is liable for any cost of acquiring the work that exceeds the amount of its bid, and the bid guarantee is available to offset the difference.

(End of Provision)

52.232-38 SUBMISSION OF ELECTRONIC FUNDS TRANSFER INFORMATION WITH OFFER (MAY 1999)

The offeror shall provide, with its offer, the following information that is required to make payment by electronic funds transfer (EFT) under any contract that results from this solicitation. This submission satisfies the requirement to provide EFT information under paragraphs (b) (1) and (j) of the clause at 52.232-34, Payment by Electronic Funds Transfer--Other than Central Contractor Registration.

(1) The solicitation number (or other procurement identification number).

(2) The offeror's name and remittance address, as stated in the offer.

(3) The signature (manual or electronic, as appropriate), title, and telephone number of the offeror's official authorized to provide this information.

(4) The name, address, and 9-digit Routing Transit Number of the offeror's financial agent.

(5) The offeror's account number and the type of account (checking, savings, or lockbox).

(6) If applicable, the Fedwire Transfer System telegraphic abbreviation of the offeror's financial agent.

(7) If applicable, the offeror shall also provide the name, address, telegraphic abbreviation, and 9-digit Routing Transit Number of the correspondent financial institution receiving the wire transfer payment if the offeror's financial agent is not directly on-line to the Fedwire and, therefore, not the receiver of the wire transfer payment.

(End of provision)

52.233-2 SERVICE OF PROTEST (AUG 1996)

(a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from Daniel Carrasco, U.S. Army Corps of Engineers, Los Angeles District, Contract Division, West Region Branch, P.O. Box 532711, Los Angeles, CA 90053-2325.

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

(End of provision)

MEASUREMENT AND PAYMENT

PART 1 GENERAL

The number in parentheses for each item of work listed below, indicates the Base Year Item Number. The succeeding numbers are for each option year.

Example:

1. WORK SITE TRAFFIC CONTROL [(0001) 0027, 0053]

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

- 3.1 WORK SITE TRAFFIC CONTROL [(0001) 0027, 0054]

Work includes furnishing and placing all barriers, guards, lights, signs, flag persons and watch persons at the work site in compliance with applicable safety requirements. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order. For bidding purposes, use the following quantities, 3 barriers(std length), 20 orange plastic guard posts, 3 construction flood lights, 3 portable traffic warning signs, 2 flagmen-8 hrs/day for 10 days, security watchman-8 hrs/day for 10 days.

- 3.2 PCC CURB & GUTTER REMOVAL/REPLACEMENT [(0002AA,) 0028AA, 0054AA,]

Work includes the removal and replacement of Portland Cement Concrete (PCC) curb and gutter. Removal of the curb and gutter requires saw cutting, removal and disposal of debris; replacement requires subgrade preparation, setting forms, furnishing and placing PCC, finishing (including joints), stripping of forms, backfilling and cleanup. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

- 3.3 PCC REMOVAL/REPLACEMENT (1"-6") [(0002AB) 0028AB, 0054AB]

Work includes the removal and replacement of PCC walks, cross gutters, access ramps, driveways, aprons and pavement up to 6 inches in thickness. Removal requires saw cutting, removal and disposal of debris; replacement requires subgrade preparation, furnishing, placing and compacting base material, setting forms, furnishing and placing PCC, finishing (including joints), stripping of forms, backfilling and cleanup. Measurement will be by square foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

- 3.4 PCC REMOVAL/REPLACEMENT (6" to 15") [(0002AC) 0028AC, 0054AC]

Work includes the removal and replacement of PCC pavements, slabs and foundations with thickness greater than 6 inches up to a maximum of 15 inches. The Contractor will not be required to remove PCC items within the flight line operations area which includes runway pavements, taxiways or aprons. Removal requires saw cutting removal and disposal of debris; replacement requires subgrade preparation, furnishing, placing and compacting base material setting forms, furnishing and placing PCC, finishing (including joints), stripping of forms, backfilling and cleanup. Measurement will be by square foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task order.

3.5 ASPHALT CONCRETE REMOVAL/REPLACEMENT [(0003) 0029, 0055]

Work includes the removal and replacement of asphalt concrete berms, walks, drainage swales and pavements. Removal requires saw cutting, removal and disposal of debris; replacement requires furnishing, placing and compacting base material, application of a prime coat and a tack coat, furnishing and placing up to 4-inches of asphalt concrete. Measurement will be by square foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task order.

3.6 ROCK/HARD MATERIAL EXCAVATION [(0004) 0030, 0056]

work includes the excavation, loading, transportation and disposal of rock or hard material encountered in trench excavation activities. Measurement will be by the cubic yard. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this activity in conformity with the Task Order.

3.7 IMPORTED SELECTED FILL MATERIAL [(0005) 0031, 0057]

Work includes the excavation, loading, transportation and placement of imported selected material required to replace unsuitable material, rock or hard material encountered in trench activities. Work also includes transportation and disposal of unsuitable material. Measurement will be by the cubic yard. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this activity in conformity with the Task Order.

3.8 PLACE 3/4" SCHEDULE 40 WATER PIPE [(0006AA) 0032AA, 0058AA]

Work includes the repair or replacement of 3/4" PVC Schedule 40 water pipe. Repair or replacement work includes trench excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing new pipe and fittings, furnishing and placing sand bedding, furnishing and placing warning and identification tape, backfilling and compacting with native soil, and hauling and disposal of surplus trench soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.9 PLACE 1" PVC SCHEDULE 40 WATER PIPE [(0006AB) 0032AB, 0058AB]

Work includes the repair or replacement of 1" PVC Schedule 40 water pipe. Repair or replacement work includes trench excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing new pipe and fittings, furnishing and placing warning and identification tape, backfilling and

compacting with native soil, and hauling and disposal of surplus trench soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.10 PLACE 1-1/2" PVC SCHEDULE 40 WATER PIPE [(0006AC) 0032AC, 0058AC]

Work includes the repair or replacement of 1-1/2" PVC Schedule 40 water pipe. Repair or replacement work includes trench excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing new pipe and fittings, furnishing and placing sand bedding, furnishing and placing warning and identification tape, backfilling and compacting with native soil, and hauling and disposal of surplus trench soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.11 PLACE 2" PVC SCHEDULE 40 WATER PIPE [(0006AD), 0032AD, 0058AD]

Work includes the repair or replacement of 2" PVC Schedule 40 water pipe. Repair or replacement work includes trench excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing new pipe and fittings, furnishing and placing sand bedding, furnishing and placing warning and identification tape, backfilling and compacting with native soil, and hauling and disposal of surplus trench soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.12 PLACE 2-1/2" PVC SCHEDULE 40 WATER PIPE [(0006AE) 0032AE, 0058AE]

Work includes the repair or replacement of 2-1/2" PVC Schedule 40 water pipe. Repair or replacement work includes trenching excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing new pipe and fittings, furnishing and placing sand bedding, furnishing and placing warning and identification tape, backfilling and compacting with native soil, and hauling and disposal of surplus trench soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.13 PLACE 3" PVC SCHEDULE 40 WATER PIPE [(0006AF) 0032AF, 0058AF]

Work includes the repair or replacement of 3" PVC Schedule 40 water pipe. Repair or replacement work includes trench excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing new pipe and fittings, furnishing sand bedding furnishing and placing warning and identification tape, backfilling and compacting with native soil, and hauling and disposal of surplus trench soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.14 PLACE 4" PVC C900 WATER PIPE [(0006AG) 0032AG, 0058AG]

Work includes the repair or replacement of 4" PVC C900 water pipe. Repair or replacement work includes trench excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing new pipe and fittings, furnishing and placing sand bedding, furnishing and placing warning and identification tape,

backfilling and compacting with native soil, and hauling and disposal of surplus trench soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task order.

3.15 PLACE 6" PVC C900 WATER PIPE [(0006AH) 0032AH, 0058AH]

Work includes the repair or replacement of 6" PVC C900 water pipe. Repair or replacement work includes trench excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing new pipe fittings, furnishing and placing warning and identification tape, backfilling and compacting and native soil, and hauling and disposal of surplus trench soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.16 PLACE 8" PVC C900 WATER PIPE [(0006AJ) 0032AJ, 0058AJ]

Work includes the repair or replacement of 8" PVC C900 water pipe. Repair or replacement work includes trench excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing new pipe fittings, furnishing and placing sand bedding, furnishing and placing warning and identification tape, backfilling and compacting with native soil, and hauling and disposal of surplus trench soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.17 PLACE 10" PVC C900 WATER PIPE [(0006AK) 0032AK, 0058AK]

Work includes the repair or replacement of 10" PVC C900 water pipe. Repair or replacement work includes trench excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing new pipe fittings, furnishing and placing warning and identification tape, backfilling and compacting with native soil, and hauling and disposal of surplus trench soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.18 Place 12" PVC C900 WATER PIPE [(0006AL) 0032AL, 0058AL]

Work includes the repair or replacement of 12" PVC C900 water pipe. Repair or replacement work includes trench excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing new pipe and fittings, furnishing and placing sand bedding, furnishing and placing warning and identification tape, backfilling and compacting with native soil, and hauling and disposal of surplus trench soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.19 PLACE 14" PVC C905 WATER PIPE [(0006AM) 0032AM, 0058AM]

Work includes the repair or replacement of 14" PVC C900 water pipe. Repair or replacement work includes trench excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing new pipe and fittings, furnishing and placing sand bedding, furnishing and placing warning and identification tape, backfilling and compacting with native soil, and hauling and disposal of surplus trench soil and debris.

Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task order.

3.20 RESERVED

3.21 RESERVED

3.22 RESERVED

3.23 RESERVED

3.24 RESERVED

3.25 RESERVED

3.26 PLACE WATER SERVICE 3/4" TO 2" [(0008AA) 0034AA, 0059AA]

Work includes furnishing and installing a double strap service saddle and corporation stop, including the connection to a structure and restoring work site to previous condition. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.27 PLACE WATER SERVICE 2-1/2" TO 3 [(0008AB) 0034AB, 0060AB]

Work includes furnishing and installing a tapping saddle, tapping valve and connection to a structure and restoring the work site to its previous condition. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.28 RESERVED

3.29 RESERVED

3.30 RESERVED

3.31 RESERVED

3.32 RESERVED

3.33 RESERVED

3.34 RESERVED

3.35 RESERVED

3.36 RESERVED

3.37 RESERVED

3.38 RESERVED

3.39 RESERVED

3.40 RESERVED

3.41 RESERVED

3.42 PLACE 4" VALVE BELOW GRADE [(0010AA) 0036AA, 0062AA]

Work includes furnishing and installing this valve as required. Payment shall include full compensation for furnishing all labor, materials, tools and doing all work required to complete this item of work in conformity with the Task order.

3.43 PLACE 6" VALVE BELOW GRADE [(0010AB) 0036AB, 0062AB]

Work includes furnishing and installing this valve as required. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.44 PLACE 8" VALVE BELOW GRADE [(0010AC) 0036AC, 0062AC]

Work includes furnishing and installing this valve as required. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.45 PLACE 10" VALVE BELOW GRADE [(0010AD) 0036AD, 0062AD]

Work includes furnishing and installing this valve as required. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.46 PLACE 12" VALVE BELOW GRADE [(0010AE) 0036AE, 0062AE]

Work includes furnishing and installing this valve as required. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.47 PLACE 14" VALVE BELOW GRADE [(0010AF) 0036AF, 0062AF]

Work includes furnishing and installing this valve as required. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.48 PLACE 16" VALVE BELOW GRADE [(0010AG) 0036AG, 0062AG]

Work includes furnishing and installing this valve as required. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.49 PLACE 4" VALVE ABOVE GRADE [(0010AH) 0036AH, 0062AH]

Work includes furnishing and installing this valve as required. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task order.

3.50 PLACE 6" VALVE ABOVE GRADE [(0010AJ) 0036AJ, 0062AJ]

Work includes furnishing and installing this valve as required. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task order.

3.51 PLACE 8" VALVE ABOVE GRADE [(0010AK) 0036AK, 0062AK]

Work includes furnishing and installing this valve as required. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.52 PLACE 10" VALVE ABOVE GRADE [(0010AL) 0036AL, 0062AL]

Work includes furnishing and installing this valve as required. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.53 PLACE 12" VALVE ABOVE GRADE [(0010AM) 0036AM, 0062AM]

Work includes furnishing and installing this valve as required. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.54 PLACE 14" VALVE ABOVE GRADE [(0010AN) 0036AN, 0062AN]

Work includes furnishing and installing this valve as required. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.55 PLACE 16" VALVE ABOVE GRADE [(0010AP) 0036AP, 0062AP]

Work includes furnishing and installing this valve as required. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.56 PLACE 6" PIV [(0011) 0037, 0063]

Work includes furnishing and installing this valve as required. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.57 JACK 18" STEEL SLEEVE SCHEDULE 40 [(0012) 0038, 0064]

Work includes excavating jacking pits, furnishing and installing an 18", steel sleeve, hauling and disposal of spoil, and restoring work site. Measurement will be by lineal foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.58 PIPE PLACEMENT DEEPER THAN 5' PER FOOT OF DEPTH [(0013) 0039, 0065]

Work includes trench excavating, providing access to trench, placing shoring, backfilling and compacting. Measurement will be by cubic yard. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.59 INSTALL FIRE HYDRANT [(0014) 0040, 0066]

Work includes furnishing and installing a fire hydrant head. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.60 INSTALL 3/4" BACK FLOW PREVENTER [(0015AA) 0041AA, 0067AA]

Work includes furnishing and installing a back flow preventer. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.61 INSTALL 1" BACK FLOW PREVENTER [(0015AB) 0041AB, 0067AB]

Work includes furnishing and installing a back flow preventer. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.62 INSTALL 1-1/2" BACK FLOW PREVENTER [(0015AC) 0041AC, 0067AC]

Work includes furnishing and installing a back flow preventer. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.63 INSTALL 2" BACK FLOW PREVENTER [(0015AD) 0041AD, 0067AD]

Work includes furnishing and installing a back flow preventer. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.64 INSTALL 2-1/2 BACK FLOW PREVENTER [(0015AE) 0041AE, 0067AE]

Work includes furnishing and installing a back flow preventer. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.65 INSTALL 3" BACK FLOW PREVENTER [(0015AF) 0041AF, 0067AF]

Work includes furnishing and installing a back flow preventer. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.66 INSTALL 4" BACK FLOW PREVENTER [(0015AG) 0041AG, 0067AG]

Work includes furnishing and installing a back flow preventer. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.67 INSTALL 6" BACK FLOW PREVENTER [(0015AH) 0041AH, 0067AH]

Work includes furnishing and installing a back flow preventer. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.68 INSTALL 8" BACK FLOW PREVENTER [(0015AJ) 0041AJ, 0067AJ]

Work includes furnishing and installing a back flow preventer. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.69 INSTALL 10" BACK FLOW PREVENTER [(0015AK) 0041AK, 0067AK]

Work includes furnishing and installing a back flow preventer. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.70 INSTALL 12" BACK FLOW PREVENTER [(0015AL) 0041AL, 0067AL]

Work includes furnishing and installing a back flow preventer. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.71 INSTALL IRRIGATION CONTROLLER [(0016AA) 0042AA, 0068AA]

Work includes furnishing and installing an irrigation controller. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.72 INSTALL 12 STATION 3/4" IRRIGATION CONTROL VALVE [(0016AB) 0042AB, 0068AB]

Work includes furnishing and installing an irrigation controller. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.73 INSTALL 12 STATION 1" IRRIGATION CONTROL VALVE [(0016AC) 0042AC, 0068AC]

Work includes furnishing and installing an irrigation controller. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.74 INSTALL 12 STATION 1-1/2" IRRIGATION CONTROL VALVE ((0016AD) 0042AD, 0068AD]

Work includes furnishing and installing an irrigation controller. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.75 INSTALL 12 STATION 2" IRRIGATION CONTROL VALVE [(0016AE) 0042AE, 0068AE]

Work includes furnishing and installing an irrigation controller. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.76 INSTALL 12 STATION 3" IRRIGATION CONTROL VALVE [(0016AF) 0042AF, 0068AF]

Work includes furnishing and installing an irrigation controller. Payment shall include full compensation of furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task order.

3.77 INSTALL IRRIGATION HEADS [(0016AG) 0042AG, 0068AG]

Work includes furnishing and installing irrigation heads. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.78 ALTITUDE VALVE (UP to 8 INCH) [(0017) 0043, 0069]

Work includes furnishing and installing an altitude valve. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.79 PLACE 4" PVC SDR 35 SEWER PIPE [(0018AA) 0044AA, 0070AA]

Work includes trench excavation, control of ground and surface water, removal of existing pipe, furnishing and placing new pipe and fittings, furnishing and placing sand bedding, furnishing and placing warning and identification tape, backfilling and compacting with native soil, and hauling and disposal of surplus soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.80 PLACE 6" PVC SDR 35 SEWER PIPE [(0018AB) 0044AB, 0070AB]

Work includes trench excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing new pipe and fittings, furnishing and placing sand bedding, furnishing and placing warning identification tape, backfilling and compacting with native soil, and hauling and disposal of surplus soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.81 PLACE 8" PVE SDR 35 SEWER PIPE [(0018AC) 0044AC, 0070AC]

Work includes trench excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing new pipe and fittings, furnishing and placing sand bedding, furnishing and placing warning and identification tape, backfilling and compacting with native soil, and hauling and disposal of surplus soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task order.

8.62 PLACE 10" PVC SDR 35 SEWER PIPE [(0018AD) 0044AD, 0070AD]

Work includes trench excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing new pipe and fittings, furnishing and placing sand bedding, furnishing and placing warning and identification tape, backfilling and compacting with native soil, and hauling and disposal of surplus soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.83 PLACE 12" PVC SDR 35 SEWER PIPE [(0018AE) 0044AE, 0070AE]

Work includes trench excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing new pipe and fittings, furnishing and placing sand bedding, furnishing and placing warning and identification tape, backfilling and compacting with native soil, and hauling and disposal of surplus soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.84 INSTALL SEWER MANHOLE UP TO 6' DEEP [(0018AF) 0044AF, 0070AF]

Work includes furnishing and placing a sewer manhole and cover up to a depth of six feet. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.85 INSTALL MH RINGS IN 1' INCREMENTS [(0018AG) 0044AG, 0070AG]

Work includes furnishing and placing a manhole ring to provide for depths beyond six feet. Measurement will be per manhole rings in one foot increments until the required depth is reached. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.86 RECONNECT SEWER LATERALS [(0018AH) 0044AH, 0070AH]

Work includes reconnecting service laterals to the replacement or repaired sewer line. Measurement will be per connection. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.87 PLACE 12 " CMP STORM DRAIN PIPE [(0019AA) 0045AA, 0071AA]

Work includes the placement of 12" CMP storm drain pipe. Work includes trench excavation or ditch grading, furnishing and placing new pipe and fittings, furnishing and placing bedding material, backfilling and compacting to requirements, hauling and disposal of debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task order.

3.88 PLACE 18" CMP STORM DRAIN PIPE [(0019AB) 0045AB, 0071AB]

Work includes the placement of 18" CMP storm drain pipe. Work includes trench excavation or ditch grading, furnishing and placing new pipe and fittings, furnishing and placing bedding material, backfilling and compacting to requirements, hauling and disposal of debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.89 PLACE OR REPAIR 3/4" PE GAS PIPE [(0020AA) 0046AA, 0072AA]

Work includes the following - Excavate trench width equal to pipe diameter plus 16 inches to depth of 30"; Stockpile soil for re-use; Prepare sand bedding; Install gas pipe and fittings including heat fusion joints; Test pipe under pressure; Backfill sand bed and soil including tracer wire and warning tape; Compact bedding and soil to 95% and finish trench to accept top condition as described in Task Order.

Repair work shall include all of the above plus removal of existing pipe material and finishing of both ends of repair pieces for connection to new pipe.

Measurement will be by linear foot and shall include all work describe.

3.90 PLACE OR REPAIR 1" PE GAS PIPE [(0020AB) 0046AB, 0072AB]

Work includes the following - Excavate trench width equal to pipe diameter plus 16 inches to depth of 30"; Stockpile soil for re-use; Prepare sand bedding; Install gas pipe and fittings including heat fusion joints; Test pipe under pressure; Backfill sand bed and soil including tracer wire and warning tape; Compact bedding and soil to 95%. and finish trench to accept top condition as described in Task Order. Measurement will be by linear foot and shall include all work described.

Repair work shall include all of the above plus removal of existing pipe material and finishing of both ends of repair pieces for connection to new pipe.

3.91 PLACE OR REPAIR 1-1/4" PE GAS PIPE [(0020AC) 0046AC, 0072AC]

Work includes the following - Excavate trench width equal to pipe diameter plus 16 inches to depth of 30"; Stockpile soil for re-use; Prepare sand bedding; Install gas pipe and fittings including heat fusion joints; Test

pipe under pressure; Backfill sand bed and soil including tracer wire and warning tape; Compact bedding and soil to 95% and finish trench to accept top condition as described in Task Order.

Repair work shall include all of the above plus removal of existing pipe material and finishing of both ends of repair pieces for connection to new pipe.

Measurement will be by linear foot and shall include all work described.

3.92 PLACE OR REPAIR 1-1/2" PE GAS PIPE [(0020AD) 0046AD, 0072AD]

Work includes the following - Excavate trench width equal to pipe diameter plus 16 inches to depth of 30", Stockpile soil for re-use; Prepare sand bedding; Install gas pipe and fittings including heat fusion joint; Test pipe under pressure; Backfill sand bed and soil including tracer wire and warning tape; Compact bedding and soil to 95% and finish trench to accept top condition as described in Task Order.

Repair work shall include all of the above plus removal of existing pipe material and finishing of both ends of repair pieces for connection to new pipe.

Measurement will be by linear foot and shall include all work described.

3.93 PLACE OR REPAIR 2" PE GAS PIPE [(0020AE) 0046AE, 0072AE]

Work includes the following - Excavate trench width equal to pipe diameter plus 16 inches to depth of 30", stockpile soil for re-use; Prepare sand bedding; Install gas pipe and fittings including heat fusion joints; Test pipe under pressure; Backfill sand bed and soil including tracer wire and warning tape;

Compact bedding and soil to 95% and finish trench to accept top condition as described in Task Order.

Repair work shall include all of the above plus removal of existing pipe material and finishing of both ends of repair pieces for connection to new pipe.

Measurement will by linear foot and shall include all work described.

3.94 PLACE OR REPAIR 2-1/2" PE GAS PIPE [(0020AF) 0046AF, 0072AF]

Work includes the following - Excavate trench width equal to pipe diameter plus 16 inches to depth of 30"; Stockpile soil for re-use; Prepare sand bedding; Install gas pipe and fittings including heat fusion joints; Test pipe under pressure; Backfill sand bed and soil including tracer wire and warning tape; Compact bedding and soil to 95% and finish trench to accept top condition as described in Task Order.

Repair work shall include all of the above plus removal of existing pipe material and finishing of both ends of repair pieces for connection to new pipe.

Measurement will be by linear foot and shall include all work described.

3.95 PLACE OR REPAIR 3" PE GAS PIPE [(0020AG) 0046AG, 0072AG]

Work includes the following - Excavate trench width equal to pipe diameter plus 16 inches to depth of 30"; Stockpile soil for re-use; Prepare sand bedding; Install gas pipe and fittings including heat fusion joints; Test

pipe under pressure; Backfill sand bed and soil including tracer wire and warning tape; Compact bedding and soil to 95% and finish trench to accept top condition as described in Task Order.

Repair work shall include all of the above plus removal of existing pipe material and finishing of both ends of repair pieces for connection to new pipe.

Measurement will be by linear foot and shall include all work described.

3.96 PLACE OR REPAIR 4" PE GAS PIPE [(0020AH) 0046AH, 0072AH]

Work includes the following - Excavate trench width equal to pipe diameter plus 16 inches to depth of 30", Stockpile soil for re-use; Prepare sand bedding; Install gas pipe and fittings including heat fusion joints; Test pipe under pressure; Backfill sand bed and soil including tracer wire and warning tape; Compact bedding and soil to 95% and finish trench to accept top condition as described in Task Order.

Repair work shall include all of the above plus removal of existing pipe material and finishing of both ends of repair pieces for connection to new pipe.

Measurement will be by linear foot and shall include all work described.

3.97 PLACE OR REPAIR 5" PE GAS PIPE [(0020AJ) 0046AJ, 0072AJ]

Work includes the following - Excavate trench width equal to pipe diameter plus 16 inches to depth of 30", Stockpile soil for re-use; Prepare sand bedding; Install gas pipe and fittings including heat fusion joints; Test pipe under pressure; Backfill sand bed and soil including tracer wire and warning tape; Compact bedding and soil to 95% and finish trench to accept top condition as described in Task Order.

Repair work shall include all of the above plus removal of existing pipe material and finishing of both ends of repair pieces for connection to new pipe.

Measurement will be by linear foot and shall include all work described.

3.98 PLACE OR REPAIR 6" PE GAS PIPE [(0020AK) 0046AK, 0072AK]

Work includes the following - Excavate trench width equal to pipe diameter plus 16 inches to depth of 30"; Stockpile soil for re-use; Prepare sand bedding; Install gas pipe and fittings including heat fusion joints; Test pipe under pressure; Backfill sand bed and soil including tracer wire and warning tape; Compact bedding and soil to 95% and finish trench to accept top condition as described in Task Order.

Repair work shall include all of the above plus removal of existing pipe material and finishing of both ends of repair pieces for connection to new pipe.

Measurement will be by linear foot and shall include all work described.

3.99 PLACE OR REPAIR 10" PE GAS PIPE [(0020AL) 0046AL, 0072AL]

Work includes the following - Excavate trench width equal to pipe diameter plus 16 inches to depth of 30", Stockpile soil for re-use; Prepare sand bedding; Install epoxy coated steel gas pipe and fittings including tracer

wire and warning tape; Compact bedding and soil to 95% and finish trench to accept top condition as described in Task Order.

Repair work shall include all of the above plus removal of existing pipe material and finishing of both ends of repair pieces for connection to new pipe.

Measurement will be by linear foot and shall include all work described.

3.100 PLACE OR REPAIR 2" STEEL GAS PIPE [(0021AA) 0047AA, 0073AA]

Work includes the following - Excavate trench width equal to pipe diameter plus 16 inches to depth of 30"; stockpile soil for re-use; Prepare sand bedding; Install epoxy coated steel gas pipe and fittings including coated joints or fittings; Test pipe under pressure; Backfill sand bed and soil including tracer wire and warning tape; Compact bedding and soil to 95% and finish trench to accept top condition as-described in Task Order.

Repair work shall include all the above plus removal of existing pipe material and finishing of both ends of repair pieces for connection to new pipe.

Measurement will be by linear foot and shall include all work described.

3.101 PLACE OR REPAIR 3" STEEL GAS PIPE [(0021AB) 0047AB, 0073AB]

Work includes the following - Excavate trench width equal to pipe diameter plus 16 inches to depth of 30"; Stockpile soil for re-use; Prepare sand bedding; Install epoxy coated steel gas pipe and fittings including coated joints or fittings; Test pipe under pressure; Backfill sand bed and soil including tracer wire and warning tape; Compact bedding and soil to 95% and finish trench to accept top condition as described in Task Order. Measurement will be by linear foot and shall include all work described.

Repair work shall include all of the above plus removal of existing pipe material and finishing of both ends of repair pieces for connection to new pipe.

3.102 PLACE OR REPAIR 4" STEEL GAS PIPE [(0021AC) 0047AC, 0073AC]

Work includes the following - Excavate trench width equal to pipe diameter plus 16 inches to depth of 30"; Stockpile soil for re-use; Prepare sand bedding; Install epoxy coated steel gas pipe and fittings including coated joints or fittings; Test pipe under pressure; Backfill sand bed and soil including tracer wire and warning tape; Compact bedding and soil to 95% and finish trench to accept top condition as described in Task Order. Measurement will be by linear foot and shall include all work described.

Repair work shall include all of the above plus removal of existing pipe material and finishing of both ends of repair pieces for connection to new pipe.

3.103 PLACE OR REPAIR 8" STEEL GAS [(0021AD) 0047AD, 0073AD]

Work includes the following - Excavate trench width equal to pipe diameter plus 16 inches to depth of 30"; Stockpile soil for re-use; Prepare sand bedding; Install epoxy coated steel gas pipe and fittings including tracer wire and warning tape; Compact bedding and soil to 95% and finish trench to accept top condition as described in Task Order. Measurement will be by linear foot and shall include all work described.

3.104 PLACE OR REPAIR 10" STEEL GAS PIPE [(0021AE) 0047AE, 0073AE]

Work includes the following - Excavate trench width equal to pipe diameter plus 16 inches to depth of 30"; Stockpile soil for re-use; Prepare sand bedding; Install epoxy coated steel gas pipe and fittings including coated joints or fittings; Test pipe under pressure; Backfill sand bed and soil including tracer wire and warning tape; Compact bedding and soil to 95% and finish trench to accept top condition as described in Task Order. Measurement will be by linear foot and shall include all work described.

3.105 PLACE OR REPAIR RISER, REGULATOR AND METER [(0022), 0048, 0074]

Work includes the following - Repair includes removal of all piping and equipment on the leaving side of shut-off valve. Install riser pipe with earthquake valve, dielectric union, regulator and meters as described in Task Order.

Measurement shall be each assembly and shall include all work described.

3.106 PLACE OR REPAIR 3/4" OR 1" OR 1-1/2" PE GAS VALVE [(0023AA) 0049AA, 0075AA]

Work will include the following - Excavate trench at valve location to expose pipe; Prepare ends of pipe after proper cutting or location of new material; Install restraining block, epoxy coated rebar anchor, valve stem sleeve and traffic cover as shown on typical detail.

Measurement shall be each assembly and shall include all work describe.

3.107 PLACE OR REPAIR 2" OR 2/12" PE GAS VALVE [(0023AB) 0049AB, 0075AB]

Work will include the following - Excavate trench at valve location to expose pipe; Prepare ends of pipe after proper cutting or location of new material; Install restraining block, epoxy coated rebar anchor, valve stem sleeve and traffic cover as shown on typical detail.

Measurement shall be each assembly and shall include all work described.

3.108 PLACE OR REPAIR 4" PE GAS VALVE [(0023AC) 0049AC, 0075AC]

Work will include the following - Excavate trench at valve location to expose pipe; Prepare ends of pipe after proper cutting or location of new material; Install restraining block, epoxy coated rebar anchor, valve stem sleeve and traffic cover as shown on typical detail.

Measurement shall be each assembly and shall include all work described.

3.109 PLACE OF REPAIR 5" PE GAS VALVE [(0023RD) 0049AD, 0075AD]

Work will include the following - Excavate trench at valve location to expose pipe; Prepare ends of pipe after proper cutting or location of new material; Install restraining block, epoxy coated rebar anchor, valve stem sleeve and traffic cover as shown on typical detail.

Measurement shall be each assembly and shall include all work described.

3.110 PLACE OR REPAIR 6" PE GAS VALVE [(0023AE) 0049AE, 0075AE]

Work will include the following - Excavate trench at valve location to expose pipe; Prepare ends of pipe after proper cutting or location of new material;

Install restraining block, epoxy coated rebar anchor, valve stem sleeve and traffic cover as shown on typical detail.

Measurement shall be each assembly and shall include all work described.

3.111 PLACE OR REPAIR 8" PE GAS VALVE [(0023AF) 0049AF, 0075AF]

Work will include the following - Excavate trench at valve location to expose pipe; Prepare ends of pipe after proper cutting or location of new material; Install restraining block, epoxy coated rebar anchor, valve stem sleeve and traffic cover as shown on typical detail.

Measurement shall be each assembly and shall include all work describe.

3.112 PLACE 4" HDPE WATER PIPE [(0007AA) 0033AA, 0059AA]

Work includes the repair or replacement of 4"PVC C900 water pipe. Repair or replacement work includes trench excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing new pipe and fittings, furnishing and placing sand bedding, furnishing and placing warning and identification tape, backfilling and compacting with native soil, and hauling and disposal of surplus trench soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task order.

3.113 PLACE 6" HDPE WATER PIPE [(0007AB) 0033AB, 0059AB]

Work includes the repair or replacement of 6" PVC C900 water pipe. Repair or replacement work includes trench excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing warning and identification tape, backfilling and compacting and native soil, and hauling and disposal of surplus trench soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.114 PLACE 8" HDPE WATER PIPE [(0007AC) 0033AC, 0059AC]

Work includes the repair or replacement of 8" PVC C900 water pipe. Repair or replacement work includes trench excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing new pipe and fittings, furnishing and placing sand bedding, furnishing and placing warning and identification tape, backfilling and compacting with native soil, and hauling and disposal of surplus trench soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.115 PLACE 10" HDPE WATER PIPE [(0007AD) 0033AD, 0059AD]

Work includes the repair or replacement of 10" PVC C900 water pipe. Repair or replacement work includes trench excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing warning and identification tape, backfilling and compacting with native soil, and hauling and disposal of surplus trench soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.116 PLACE 12" HDPE WATER PIPE [(0007AE) 0033AE, 0059AE]

Work includes the repair or replacement of 8" PVC C900 water pipe. Repair or replacement work includes trench excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing new pipe and fittings, furnishing and placing sand bedding, furnishing and placing warning and identification tape, backfilling and compacting with native soil, and hauling and disposal of surplus trench soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

3.117 PLACE 18" HDPE WATER PIPE [(0007AF) 0033AF, 0059AF]

Work includes the repair or replacement of 10" PVC C900 water pipe. Repair or replacement work includes trench excavation, control of ground and surface waters, removal of existing pipe, furnishing and placing warning and identification tape, backfilling and compacting with native soil, and hauling and disposal of surplus trench soil and debris. Measurement will be by linear foot. Payment shall include full compensation for furnishing all labor, materials, tools and equipment, and doing all work required to complete this item of work in conformity with the Task Order.

-- End of Section -