



CITY OF SACRAMENTO

14

DIVISION OF WATER AND SEWERS
927 - 10TH ST. SACRAMENTO, CALIFORNIA 95814
SUITE #201 TELEPHONE (916) 449-5271

CITY MANAGER'S OFFICE
RECEIVED
FEB 27 1980

HARRY G. BEHRENS
MANAGER
ROBERT W. JOHNSTON
ASSISTANT MANAGER

February 27, 1980

City Council
Sacramento, California

Honorable Members in Session:

SUBJECT: Approval of Plans & Specifications
and Request for Bids for:

- Cement Mortar Lining
- 18" W.S. Main in 9th Street
- 14" W.S. Main in Messina Drive
- 20" W.S. Main in 56th Street
and Elvas Avenue

SUMMARY

The Division of Water & Sewers has prepared Plans & Specifications for the subject project. It is recommended that the Plans & Specifications be approved and the project be advertised for bid.

BACKGROUND

This project is part of the Division's continuing program of cleaning and cement mortar lining of old water transmission mains. The purpose of this program is to protect the transmission mains from internal deterioration while at the same time increasing the capacity due to improved flow characteristics.

FINANCIAL DATA

This project is included in 1979-80 Water Distribution Budget 4-13-3030-1597-4820; the estimated construction cost is \$40,000.

RECOMMENDATION

It is recommended that the Plans and Specifications be approved and that bids be received on March 25, 1980.

Respectfully submitted,

Harry G. Behrens

Harry G. Behrens, Manager

Recommendation approved:

APPROVED
BY THE CITY COUNCIL

Walter J. Slize
Walter J. Slize, City Manager

MAR 4 1980

OFFICE OF THE
CITY CLERK

March 4, 1980
Districts 1 & 3

14

CEMENT MORTAR LINING
18" W.S. IN 19TH STREET
14" W.S. IN MESSINA DRIVE
20" W.S. IN 56TH STREET AND ELVAS AENUE

C.C. 1597

Sacramento
California

SEPARATE PLANS

Bids to be received: March 25, 1980

APPROVED
BY THE CITY COUNCIL

MAR 4 1980

CEMENT MORTAR LINING
18" W.S. IN 19TH STREET
14" W.S. IN MESSINA DRIVE
20" W.S. IN 56TH STREET AND ELVAS AENUE

C.C. 1597

Sacramento
California

SEPARATE PLANS

Bids to be received: March 25, 1980

APPROVED
BY THE CITY COUNCIL

MAR 4 1980

CITY OF SACRAMENTO

NOTICE TO CONTRACTORS

Sealed Proposals will be received by the City Clerk of the City of Sacramento at the office of the City Clerk, Room 203, City Hall, located on I Street between 9th and 10th Streets, up to the hour of 10:00 a.m. on March 25, 1980 and opened at 10:15 a.m. in the Council Chambers, City Hall for

CEMENT MORTAR LINING
18" W.S. IN 19TH STREET
14" W.S. IN MESSINA DRIVE
20" W.S. in 56TH STREET AND ELVAS AVENUE

as set forth in plans and specifications adopted March 4, 1980

All such proposals received and any work performed thereunder must comply with the requirements of Chapter 58 of the Sacramento City Code (Ordinance No. 3129, Fourth Series).

Bids must be submitted on printed forms supplied by the City Clerk without charge to prospective bidders and enclosed in an envelope marked "Sealed Proposal for

CEMENT MORTAR LINING
18" W.S. IN 19TH STREET
14" W.S. IN MESSINA DRIVE
20" W.S. in 56TH STREET AND ELVAS AVENUE

All contractors, subcontractors and all concerned must comply with the rate of wages per hour as established by the Director of the Department of Industrial Relations under provisions of Sections 1770 and 1773 of the Labor Code of the State of California, a copy of which is on file in the office of the City Clerk; or such other rate of wages as may hereafter be established by the Director of the Department of Industrial Relations in compliance with Section 1770 of the Labor Code of the State of California

Each bid must be accompanied by cash, cashier's check, certified check or bid bond made payable to the order of the City Director of Finance in the sum of ten percent (10%) of the aggregate of said proposal.

The right to reject any and all bids or to waive any informality in any bid received is reserved by the City Council.

SEALED PROPOSAL

Sealed Proposals will be received not later than 10:00 a.m. on March 25, 1980 at the office of the City Clerk, Room 203, City Hall, Sacramento, California and opened at 10:15 a.m. on March 25, 1980 in the Council Chambers, City Hall, Sacramento, California.

TO THE HONORABLE CITY COUNCIL:

The undersigned hereby proposes and agrees to furnish any and all required labor, material, transportation and services for

CEMENT MORTAR LINING
18" W.S. IN 19TH STREET
14" W.S. IN MESSINA DRIVE
20" W.S. IN 56TH STREET AND ELVAS AVENUE
(DRAWING #53-20)

in the City and County of Sacramento, California.

The work is to be done in strict conformity with the Plans, Standard Specifications and Special Provisions all as on file in the office of the City Clerk, at the following unit price:

Item No.	Item	Est. Quantity	Unit	Unit Price	Total
1.	Cement Mortar Lining 14" Pipe	2250 +	L.F.	\$ _____	\$ _____
	18" Pipe	1070 +	L.F.	\$ _____	\$ _____
	20" Pipe	1210 +	L.F.	\$ _____	\$ _____
TOTAL \$				_____	_____

If awarded the contract, the undersigned agrees to sign said contract and furnish the necessary bonds within ten (10) days after the notice of award of said contract and to begin work within fifteen (15) days after the signing of the contract by the Contractor and the City.

In determining the amount bid by each bidder, City shall disregard mathematical errors in addition, subtraction, multiplication and division that appear on the face of the Proposal. When such a mathematical error appears on the face of the Proposal, the City shall have the right to correct such error and to compute the total amount bid by said bidder on the basis of the corrected figure or figures.

When an item price is required to be set forth in the Proposal, and the total for the item set forth separately does not agree with a figure which is derived by multiplying the item price times the Engineer's estimate of the quantity of work to be performed for said item, the item price shall prevail over the sum set forth as the total for the item. The total paid for each such item of work shall be based upon the item price and not the total price. Should the Proposal contain only a total price for the item and the item price is omitted, the City shall determine the item price by dividing the total price for the item by Engineer's estimate of the estimated quantities of work to be performed as items of work.

If the Proposal contains neither the item price nor the total for the item, then it shall be deemed incomplete and the Proposal shall be disregarded.

It is understood that this bid is based upon completion of the work within a period of ninety (90) calendar days commencing on the day the Contractor begins work.

The undersigned has examined the location of the proposed work and is familiar with the plans, specifications and other contract documents and the local conditions at the place where the work is to be done.

The undersigned has checked carefully all of the above figures and understands that the City of Sacramento will not be responsible for any errors or omissions on the part of the undersigned in making up this bid.

The undersigned agrees that this bid shall be good and may not be withdrawn for a period of forty-five (45) calendar days after the scheduled closing time for receiving bids.

BID DEPOSIT ENCLOSED IN THE FOLLOWING FORM:

\$ _____ not less than ten percent (10%) of amount bid.

- _____ CERTIFIED CHECK
- _____ MONEY ORDER
- _____ CASHIER'S CHECK
- _____ CASH
- _____ BID BOND

SUB-BIDDER FORM

In accordance with Sections 4101 and 4107, inclusive, of the Government Code of the State of California, as amended, the following information is submitted concerning sub-bidders:

NAME SUB-BIDDER	ADDRESS SHOP, MILL OR OFFICE	CLASS OF WORK	PORTION OF WORK TO BE DONE

FOLLOWING FORMS TO BE FILLED OUT AND SIGNED

ONLY

IF AWARDED CONTRACT

WORKMEN'S COMPENSATION INSURANCE CERTIFICATION

TO THE CITY OF SACRAMENTO:

The undersigned does hereby certify that he is aware of the provisions of section 3700 et seq. of the Labor Code which require every employer to be insured against liability for workmen's compensation claims or to undertake self-insurance in accordance with the provisions of said Code, and that he will comply with such provisions before commencing the performance of the work on this contract.

SIGNATURE

TITLE

ADDRESS

DATE

PLEASE READ CAREFULLY BEFORE SIGNING

To be signed by authorized corporate officer or partner or individual submitting the bid. If bidder is: (example)

1. An individual using a firm name, sign: "John Doe, an individual doing business as Blank Company."
2. An individual doing business under his own name, sign: your own name only.
3. A co-partnership, sign: "John Doe and Richard Doe, co-partners doing business as Blank Company, by John Doe, co-partner."
4. A corporation, sign: "Blank Company, by John Doe, secretary," (or other title).

GUARANTEE

We hereby guarantee the

which we propose to install in the City of Sacramento for one (1) year in accordance with the guarantee required in the specifications. We agree to repair or replace any or all such work, together with all or any other work which may be displaced in so doing, that may be proven defective in workmanship or material within the period from the date of acceptance without expense whatsoever to the City, ordinary wear and tear and unusual abuse or neglect excepted.

In the event of our failure to comply with the above mentioned conditions within five (5) days time after being notified in writing, we collectively or separately, do hereby authorize the City to proceed to have the defects repaired and made good at our expense and will pay the costs and damages therefor immediately upon demand.

Signed:

Dated:

AGREEMENT

THIS AGREEMENT entered into as of _____ between the CITY OF SACRAMENTO, a municipal corporation, hereinafter called the City, and _____

hereinafter called the Contractor.

The parties hereto mutually agree as follows:

1. Contract Documents

The following contract documents relating to this agreement are hereby made a part of and incorporated by reference into this Contract: the Advertisement, Notice to Contractors, the Bid, the Agreement, Standard Specifications, Special Provisions and Plans applicable to this work, and all modifications incorporated in said documents before their execution. Any work called for in one contract document or plan and not mentioned in the other is to be performed and executed the same as if mentioned in all contract documents and plans.

2. Scope of Contract

The Contractor agrees to furnish all tools, equipment, apparatus, facilities, labor and material, transportation and express necessary to perform and complete in a good and workmanlike manner, the work as called for, and in the manner designated in, and in strict conformity with, the Plans, Standard Specifications and Special Provisions adopted by the City Council of the City, which Plans and Special Provisions are entitled:

It is further understood and agreed that said tools, equipment, apparatus, facilities, labor and material shall be furnished and said work performed and completed as required in the plans and specifications under the direction and supervision of, and subject to the approval of the City or its representatives.

3. Contract Amount and Payments

City agrees to pay and the Contractor agrees to accept, in full payment for the above work the sum, in accordance with the actual amount of each item of work performed, at the unit price bid for each such item. Such payment is to be paid according to the following schedule and subject to additions and deductions as provided in the general conditions of the contract and in accordance with said bid and proposal as follows:

On the first of the month, Contractor shall present to City a statement showing the amount of labor and materials incorporated in the work during the preceding month; the City shall inspect the statement and shall issue a certificate for 90% of the amount it shall find to be due.

The final payment certificate of 10% will be made 35 days after the completion and acceptance by the City of the work included in this contract and all payments will be due when certificates are issued, in accordance with the Standard Specifications and Special Provisions.

4. DELAYS BEYOND CONTROL OF CONTRACTOR

The time during which Contractor is delayed in said work by the acts or neglect of City, its officers, agents, or employees, or by changes ordered in the work, or by strikes, lockouts, fire, unusual delay in transportation, unavoidable delays as defined in the Standard Specifications, or by delay authorized by City shall be considered delays beyond the control of Contractor and the time of completion shall be extended for such reasonable time as the City Engineer may decide.

This provision does not exclude the recovery of damages for delay by either party under other provisions in the contract documents.

5. PREVAILING WAGES

Pursuant to State and local law, the City has ascertained the general prevailing rate of per diem wages and rates for legal holidays, and overtime work in the locality in which the work is to be performed, for each craft or type of workman or mechanic needed to execute this Contract. The general prevailing rate of wages on projects for the City for construction work shall be as set out in the applicable Resolution adopted by the City Council, which is hereby made a part of the Special Provisions.

6. TIME OF COMPLETION AND LIQUIDATED DAMAGES

It is understood and agreed that the time limit for the completion of said work is _____ and should said work not be completed to the satisfaction of the City within said time, there will be deducted from the final payment thereof the sum of _____ DOLLARS (\$ _____), as liquidated damages and not as a penalty, for each days' delay after the expiration of such period until the final acceptance of the work by the City and its delivery to the City.

IN WITNESS WHEREOF, the parties hereto have signed this Agreement on the date set forth above.

CITY OF SACRAMENTO, a municipal corporation

CITY MANAGER
or AUTHORIZED REPRESENTATIVE

CONTRACTOR

APPROVED AS TO FORM:

CITY ATTORNEY

FUNDS AVAILABLE:

Director of Finance

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, The City of Sacramento, a municipal corporation, has
awarded to _____

hereinafter designated as the "Principal", a contract for

; and,

WHEREAS, said Principal is required to furnish a bond in connection
with said contract, to secure payment of claims of laborers, mechanics, or
materialmen employed on work under said contract, as provided by law;

NOW, THEREFORE, we the undersigned Principal and Surety are held and
firmly bound unto the City of Sacramento in the sum of _____

DOLLARS

(\$ _____), said sum being equal to the estimated amount payable by
the said City of Sacramento under the terms of the contract, for which payment
well and truly to be made, we bind ourselves, our heirs, executors, administrators,
successors, or assigns jointly and severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH that if said Principal, his
or its heirs, executors, administrators, successors, or assigns, or subcontractors
shall fail to pay for any material, provisions, provender or other supplies or
teams, implements or machinery used in, upon, for or about the performance of the
work contracted to be done, or for any work or labor thereon of any kind, or for
amounts due under the Unemployment Insurance Act with respect to such work or
labor, as required by the provisions of Chapter 7, Title XV, Part 4, Division 3, of
the Civil Code, and provided that the claimant shall have complied with the
provisions of said code; or for any amounts required to be deducted, withheld, and
paid over to the Franchise Tax Board from the wages of employees of the contractor
and his subcontractors pursuant to Section 18806 of the Revenue and Taxation Code,
with respect to such work and labor, the Surety or Sureties hereon will pay for
the same and in an amount not exceeding the sum specified in this bond, otherwise
the above obligation shall be void. In case suit is brought upon this bond, said
Surety will pay a reasonable attorney's fee to be fixed by the Court.

This bond shall inure to the benefit of any and all persons, companies
and corporations entitled to file claims under Section 3181 of the Civil Code of
the State of California so as to give a right of action to them or their assigns

Said Surety, for value received, hereby stipulates and agrees that, in accordance with the Standard Specifications or Special Provisions, no change, extension of time, alteration or addition to the terms of the contract, or to the work to be performed thereunder, or to the specifications accompanying the same, shall in any wise affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the work or to the specifications.

IN WITNESS WHEREOF, the above bounden parties have executed this instrument under their seals this _____ day of _____, the name and corporate seal of each corporate party being affixed thereto, and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

PRINCIPAL

BY _____

SURETY

BY _____

APPROVED AS TO FORM:

CITY ATTORNEY

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: That

WHEREAS, the City of Sacramento, State of California, has awarded to

hereinafter designated as the "Principal," a contract for

; and

WHEREAS, said Principal is required under the terms of said contract to furnish a bond for the faithful performance of said contract.

NOW, THEREFORE, we the Principal, and

as Surety, are held and firmly bound unto the City of Sacramento in the penal sum of

DOLLARS

(\$_____), lawful money of the United States for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, or assigns jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that if the above bounden Principal, his or its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions and agreements in the said contract and any alteration thereof made as therein provided, on his or their part, to be kept and performed at the time and in the manner therein specified and in all respects according to their true intent and meaning; and shall indemnify and save harmless the City of Sacramento, its officers and agents as therein stipulated, then this obligation shall become null and void; otherwise it shall be and remain in full force and virtue.

And the surety, for value received hereby stipulates and agrees that, in accordance with the Standard Specifications or Special Provisions, no change, extension of time, alteration or addition to the terms of the contract or to the work to be performed thereunder or the specifications accompanying the same shall in any wise affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time alteration or additions to the terms of the contract or to the work or to the specifications.

IN WITNESS WHEREOF, the above bounden parties have executed this instrument under their seals this _____ day of _____, the name and corporate seals of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Principal

By _____

Surety

By _____

APPROVED AS TO FORM:

City Attorney

Attention is directed to the provisions in Section 1777.5 (Chapter 1411, Statutes of 1968) and 1777.6 of the Labor Code concerning the employment of apprentices by the contractor or any sub-contractor under him.

Section 1777.5, as amended, requires the contractor or subcontractor employing tradesmen in any apprenticeable occupation to apply to the joint apprenticeship committee nearest the site of the public works project and which administers the apprenticeship program in that trade for a certificate of approval. The certificate will also fix the ratio of apprentices to journeymen that will be used in the performance of the contract. The ratio of apprentices to journeymen in such cases shall not be less than one to five except where an exception is issued on one of the following conditions:

- A. In the event unemployment for the previous three-month period in such area exceeds an average of 15 percent, or
- B. In the event the number of apprentices in training in such area exceeds a ratio of 1 to 5, or
- C. If there is a showing that the apprenticeable craft or trade is replacing at least one-thirtieth of its journeymen annually through apprenticeship training, either (1) on a statewide basis, or (2) on a local basis.
- D. If assignment of an apprentice to any work performed under a public works contract would create a condition which would jeopardize his life or the life, safety, or property of fellow employees or the public at large or if the specific task to which the apprentice is to be assigned is of such a nature that training cannot be provided by a journeyman.

The contractor is required to make contributions to funds established for the administration of apprenticeship programs if he employs registered apprentices or journeymen in any apprenticeable trade on such contracts and if other contractors on the public works site are making such contributions.

The contractor and any sub-contractor under him shall comply with the requirements of Sections 1777.5 and 1777.6 in the employment of apprentices. Noncompliance with Section 1777.5 can result in substantial penalties under Section 1777.7.

Information relative to apprenticeship standards, wage schedules, and other requirements may be obtained from the Director of Industrial Relations, ex officio the Administrator of Apprenticeship, San Francisco, California, or from the Division of Apprenticeship Standards and its branch offices.

GREATER SACRAMENTO AREA PLAN (GSAP) EQUAL EMPLOYMENT OPPORTUNITY CONSTRUCTION CONTRACT SPECIFICATIONS
(Executive Order 11246)

The City of Sacramento is signatory to the "Greater Sacramento Area Plan" (hereinafter referred to as the "Plan") a joint industry-labor-minority representative agreement established for the purpose of increasing the employment of minorities in all phases and at all levels of skill in the building and construction industry within the greater Sacramento area. The City has adopted the "Plan" as its affirmative action program for City construction contracts and requires a contractor and his subcontractors be signatory to the Plan in order to be eligible for an award of a City contract. Additional information regarding the Plan is available at its headquarters office located at 4320 Stockton Boulevard, Sacramento, 95821, Telephone No. (916) 452-5832.

1. As used in these specifications:
 - a. "Covered area" means the geographical area within the following counties: Amador, El Dorado, Nevada, Placer, Sacramento, Sierra, and Yolo.
 - b. "Director" means Director, of GSAP, or any person to whom the Director delegates authority;
 - c. "Minority" includes:
 - (i) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);
 - (ii) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race;
 - (iii) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent or the Pacific Islands); and
 - (iv) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).
2. Whenever the Contractor, or any Subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000 the provisions of these specifications and the notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.
3. If the Contractor is signatory under Part I of the GSAP a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of the GSAP. Each Contractor or Subcontractor participating in the GSAP is individually required to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or Subcontractors toward a goal in an approved Plan does not excuse any covered Contractor's or Subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.
4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7a through p of these specifications. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. The Contractor is expected to make substantially uniform progress toward its goals in each craft during the period specified.
5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.
6. In order for the nonworking training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees must be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.
7. The Contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully and shall implement affirmative action steps at least as extensive as the following:
 - a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.

participant, may be asserted as fulfilling any one or more of its obligations under 7a through p of these Specifications provided that the contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the Contractor's minority and female workforce participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the Contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.

9. A single goal for minorities and a separate single goal for women have been established. The Contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the Contractor may be in violation of the Executive Order if a particular group is employed in a substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the Executive Order if a specific minority group of women is underutilized).
10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex or national origin.
11. The Contractor shall not enter into any subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.
12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended and its implementing regulations, by the Office of Federal Contract Compliance Program. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.
13. The Contractor, in fulfilling its obligations under these specifications shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.
14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.
15. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

GSAP REPORTING REQUIREMENTS

- (1) All contract and subcontracts (over \$10,000) are subject to the reporting requirements.
- (2) Contractors must submit a CC 257 (Monthly Employee Utilization Report) to the GSAP at 4320 Stockton Boulevard, Sacramento, California 95829.
- (3) If the Contractor is already required to submit CC 257 there is no need to submit an additional form.
- (4) This report must arrive at the GSAP no later than the 5th working day of each month.
- (5) Failure to report is automatic cause to find the Contractor in noncompliance.
- (6) Each report is monitored by GSAP and measured against the specified goals for minorities and women.

GOALS AND TIMETABLES
SACRAMENTO, CALIFORNIA

APPENDIX A

The following goals and timetables for female utilization shall be included in all construction contracts and subcontracts in excess of \$10,000. The goals are applicable to the contractor's aggregate on-site construction workforce whether or not part of that workforce is performing work on a covered construction contract or subcontract.

AREA COVERED

Goals for Women apply Nationwide

GOALS AND TIMETABLES

Timetable	Goals (percent)
From April 1, 1978 until March 31, 1979 -----	3.1
From April 1, 1979 until March 31, 1980 -----	5.0
From April 1, 1980 until March 31, 1981 -----	6.9

APPENDIX B

Until further notice the following goals and timetables for minority utilization shall be included in all construction contracts and subcontracts in excess of \$10,000 to be performed in the respective covered areas. The goals are applicable to the contractor's aggregate on-site construction workforce whether or not part of that workforce is performing work on a covered construction contract or subcontract.

SACRAMENTO, CALIFORNIA

Area covered - Sacramento, Yolo, Amador, Placer, El Dorado, Nevada, and Sierra Counties, California.

GOALS AND TIMETABLES

Timetable	Trade	Goal (percent)
Until further notice	All-----	17.5 to 20.0

SPECIAL PROVISIONS

Cement Mortar Lining
18" W.S. in 9th Street
14" W.S. in Messina Drive
20" W.S. in 56th Street & Elvas Avenue

1.01 SCOPE

In accordance with these Specifications and AWWA Standards C602-76 "Cement Mortar Lining of Water Pipelines - 4" and larger - in Place," and as shown on the attached drawing, the Contractor shall furnish all labor, equipment, and materials to clean and cement mortar line in place, approximately 4530+ feet of welded steel mains in accordance with Plans #53-20.

1.02 WORK TO BE DONE BY CITY

At various points designated by the Contractor and approved by the Engineer, City crews will excavate and shore holes needed in the pipe lining process; remove sections of pipe; replace pipe at completion of lining operations; backfill these holes; and repave where necessary.

All valves on the main to be lined, or their laterals, will be operated by City crews for shutdowns and flushing out. Water for such purposes will be furnished by the City free of charge to the Contractor.

1.03 EXPERIENCE REQUIRED OF BIDDER

Each bidder must be able to present information upon request showing he has successfully carried on cement mortar lining processes of pipe in place in a manner similar to that specified, for a period of not less than three (3) years prior to date of his proposal.

1.04 MATERIALS FOR LINING

Mortar for the lining shall be composed exclusively of cement, sand, and water well mixed and of proper consistency to provide a dense homogeneous lining that will hold firmly against the pipe surface.

Sand will be well graded, washed clean, and free from dirt, foreign particles, and any organic matter. All sand and, if necessary, cement shall receive a careful secondary screening after receipt from pit or mill. The sand shall be thoroughly dried before being passed through a 16-mesh screen.

Cement shall be Portland Cement of A.S.T.M. Type I or Type II. Natural cement satisfying A.S.T.M., Designation C-10, may be substituted for a part of the Portland Cement in proportion of one part Natural to five parts Portland by volume. A pozzolanic material satisfactory to the City may be substituted for Natural cement in the same proportion.

1.05 MORTAR OF THE LINING

The proportions of cement in the mortar for lining shall be one part of cement to not more than two and one-half parts of screened sand by volume, the exact proportions to be determined by the characteristics of the sand available for the work. The mortar shall be premixed by an approved machine for sufficient length of time to obtain plasticity, in general, for at least three minutes and shall be used promptly for lining the pipe.

The water-cement ratio shall be carefully controlled and kept to an absolute minimum. Due allowance shall be made as necessary for moisture existing or collecting on the walls of the pipe.

1.06 PREPARATION OF SURFACES

Loose scale, tuberculation, loose deteriorated remains of old coating materials, and all accumulations of dirt and debris shall be removed from the pipe interior. The interior of the pipe shall be treated as may be necessary to insure sufficiently clean surfaces for the successful application of a durable lining. Hydro-cleaning is not practical in this location; therefore, only dry cleaning methods may be used.

1.07 APPLICATION OF LINING AND SURFACE FINISH

After the pipe has been cleaned, the lining shall be applied by a machine projecting the mortar against the wall of the pipe without rebound and with sufficient velocity to cause the mortar to be densely packed and to adhere in place. The rate of travel of the machine and the rate of discharge of mortar against the wall of the pipe shall be entirely mechanically controlled so as to produce a smooth uniform thickness throughout the interior of the pipeline of 3/8" minimum thickness.

The machine shall be provided with attachments for mechanically trowelling the mortar, and the machine shall travel ahead of the lining so that the freshly placed and trowelled mortar will not be touched until it has set. The trowel arrangement shall be such that the pressure applied to the lining will be kept to a minimum and will produce a smooth surface without disturbing the underlying material. Only

such machines as have successfully placed cement mortar linings similar to that specified herein and have proved satisfactory for this service for at least one year shall be used.

The finished lining shall be uniform in thickness except in the vicinity of joints and shall nowhere be less than the specified thickness or greater than 1/8" over this specified thickness. It shall have a smooth surface free from any noticeable sandy feeling at touch. Spatter or waste material from the projected mortar shall be removed ahead of the trowelling and shall not be permitted on the trowelled surface. The lining shall contain no sand pockets, voids, or other defects which may impair its strength and wearing qualities. The finished surface, with the exception of joints, shall be such that a three foot straight edge laid along the surface of the straight section of the pipe parallel to its axis shall at no point have a space between the lines surface and the straight edge greater than 3/32". Hand placing of lining shall not be permitted except at sharp bends, fittings, valves, or at points where machine placing is impossible or impractical. Hand plastering shall be kept to an absolute minimum, and methods leaving defective blemishes or an unsatisfactory finish will not be permitted. Hand application of mortar at the line of rivet edges may be used to streamline the projection of the mortar over such rivet heads.

The Contractor may line past the eight inch (8") and twelve inch (12") pipe connections without plugging them if his process leaves a "feathered-out" layer of mortar for a short distance, without a piling-up of mortar.

1.08 CURING OF LINING

Immediately upon the completion of a day's run of the machine, or whenever work will not be proceeding within the pipe for a period of 1/2 hour, the pipe shall be closed at both ends to prevent the circulation of air. Closure will be effected with plastic sheeting secured to the pipe ends with elastic bands. As soon as practicable after placing the lining, water shall be introduced into the closed section in order to create a moist atmosphere and keep the lining damp.

1.09 DISPOSAL OF WATER

Storm drainage is available for disposal of water for flushing out after the cleaning run. Contractor shall take precautions, such as sandbagging where necessary and proper control of rate of flow, to prevent property damage from flooding. Contractor shall be liable for any damage resulting therefrom.

1.10 GUARANTEE

Every precaution shall be taken by Contractor to prevent injury to the completed lining. In the event that examination at any time within one (1) year after placing reveals evidence of defective workmanship or materials, that section shall be cut out and replaced in an acceptable manner at the expense of the Contractor.

1.11 CONTRACTOR'S PLAN OF OPERATION

Prior to commencement of any work, the Contractor shall submit a schedule of the contemplated work with drawings showing various openings Contractor proposes to have cut in the pipeline.

1.12 AFFIDAVIT OF COMPLIANCE

Contractor shall furnish an affidavit of compliance for all materials and work furnished under this contract.

1.13 MEASUREMENT FOR PAYMENT

Payment shall be made on the total linear feet lined. Linear feet shall mean the horizontal length of pipe measured in place. Bends and valves shall be measured and included for payment as straight pipe sections of the same length.

1.14 BASIS OF AWARD OF BID

Contract will be awarded to the Contractor with the lowest total bid submitted, providing all requirements of these specifications are met.