

City of Lindsay
Hermosa Street/Westwood Avenue
Roundabout Landscape Project – No. 1



January 2024

City of Lindsay
Department of City Services
150 North Mirage Avenue
Lindsay California 93247
559.562.7102 x 4 Phone | 559.562.5748 Fax

**City of Lindsay,
Hermosa Street/Westwood Avenue Roundabout Landscape Project – No. 1**

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Hermosa Street/Westwood Avenue Roundabout Landscape Project – No. 1 Plans (10 Pages)

**CITY OF LINDSAY
STATE OF CALIFORNIA
A – NOTICE OF INVITING BIDS**

SEALED PROPOSALS will be received by the Office of the City Clerk at City Hall, 251 Honolulu Street, City of Lindsay, California, **until 2:00 PM on February 27, 2024** and promptly thereafter all proposals that have been duly received will be publicly opened and read aloud for furnishing to said City all labor, materials, equipment, transportation and services for the

CITY OF LINDSAY, Hermosa Street/Westwood Avenue Roundabout Landscape Project – No. 1

Instructions to Bidders, Plans, Project Specifications and Proposal forms may be inspected at City of Lindsay Department of City Services, 150 North Mirage, Lindsay, California and copies of said documents may be obtained from the City Services Department. Bidders must request to be placed on the official plan holder's list by sending an email request to **Edna Hubbard** and an electronic copy of the project manual and plans will be provided at no fee. All addenda and correspondence during the bid process will be handled electronically. No bid will be received unless it is made on the proposal forms furnished with the project specifications.

A Certified Check, Cashier's Check, or Bidder's Bond in the amount of ten percent (10%) of the bid made payable to the City of Lindsay will be required to accompany each proposal.

Any contract entered into pursuant to this notice will incorporate the provisions of the State Labor Code. Compliance with the apprenticeship employment standards established by the State Director of Industrial Relations will be required.

Prevailing Wages: This is a public works project and therefore subject to registration with the California Department of Industrial Relations (DIR), payment of State prevailing wages and electronic certified payroll submission to the Labor Commissioner. All Bidders and Subcontractors must be registered with the DIR to bid on or perform work on any public works project.

As set forth in California Labor Code ("CLC") section 1771.1(a), all contractors and subcontractors must be currently registered and qualified to perform public work pursuant to CLC section 1725.5 to be qualified to bid, be listed in a bid proposal, or perform any public work for the COV. Proof of registration for each contractor and subcontractor listed on the bid is required. As set forth in CLC section 1771.4(a)(1), notice is given that this project is a public work, subject to compliance monitoring and enforcement by the Department of Industrial Relations.

Pursuant to Section 1773 of the Labor Code, the general prevailing wage rates in the county, or counties, in which the work is to be done have been determined by the Director of the California Department of Industrial Relations. These wages are set forth in the General Prevailing Wage Rates for this project, available at City of Lindsay address and available from the California Department of Industrial Relations' Internet website at <http://www.dir.ca.gov/DLSR/PWD>. The Federal minimum wage rates for this project as predetermined by the United States Secretary of Labor are set forth in this project manual issued for bidding. Purposes and in copies of this book that may be examined at the offices described *above* where project plans, special provisions, and bid forms may be seen. Addenda to modify the Federal minimum wage rates, if necessary, will be issued to holders of this project manual. Future effective general prevailing wage rates, which have been predetermined and are on file with the California Department of Industrial Relations, are referenced but not printed in the general prevailing wage rates.

Affirmative action to ensure against discrimination in employment practices on the basis of race, color, national origin, ancestry, sex, or religion will also be required.

The City hereby affirmatively ensures that qualified contractors so duly licensed will be afforded full opportunity to submit bids in response to this notice and there will be no discriminated against on the basis of race, color, national origin, ancestry, sex, or religion in any consideration leading to the award of contract.

No qualified person with a disability will, on the basis of disability, be excluded from participating in, be denied the benefits of, or otherwise be subject to discrimination.

No bid will be accepted from a contractor who is not duly licensed in accordance with the provisions of Chapter 9, Division III, of the Business and Professions Code and as a minimum, possesses a current “C-27” Landscaping Contractor’s License, in the State of California.

The right is reserved by the City of Lindsay to reject any or all bids, to evaluate the bids submitted and to award the contract according to the proposal which best serves the interests of said City.

Interested parties shall direct all questions in writing (via email) to Edna Hubbard at ehubbard@lindsay.ca.us. The successful bidder will be required to furnish the City of Lindsay with a “Performance Bond” in the amount of one hundred percent (100%) of the contract and a “Labor and Material Bond” in the amount of one hundred percent (100%) of the contract amount.

Upon receiving the “**NOTICE OF AWARD**”, the successful bidder has **TEN (10) CALENDAR DAYS** to submit all required bonds, insurance and licenses and meet with City representatives in a **PRE-CONSTRUCTION MEETING** to discuss any questions pertaining to this project. It is the contractor’s responsibility to contact the City’s Project Manager immediately, to arrange for the **PRE-CONSTRUCTION MEETING** during the **TEN (10) DAY PERIOD**.

Upon receiving the “**NOTICE TO PROCEED**”, the successful bidder has **TEN (10) CALENDAR DAYS to COMMENCE CONSTRUCTION**.

The Contractor shall pay the City as liquidated damages, the amount of **\$800.00** a day for each calendar day the project is delayed beyond the “**TIME OF COMPLETION DATE**”.

The City will withhold five percent (5%) retention from payments due the Contractor until thirty-five (35) days after date of recording of the Notice of Completion. The Contractor may elect to receive one hundred percent (100%) of payments due under the contract by depositing securities of equivalent value with the City in accordance with the provisions of the California Civil Code Section 9550, et seq.

All terms and conditions contained in the contract documents, including the information to bidders, shall become part of the contract. In the case of bid mistakes, the City may consent to a withdrawal of the bid if the bidder establishes that the requirements of Public Contract Code Section 5103 have been satisfied. Per Public Contract Code Section 5105, a bidder who claims mistake or forfeits its bid security cannot participate in further bidding on this project. A time limit of **forty-five (45) calendar** days has been set for the completion of the work from the date of the Notice to Proceed.

Dated this 31st day of January 2024



Francesca Quintana
City Clerk & Assistant to the City Manager

Public Notice: Porterville Recorder, January 31, 2024

Public Notice: Sun-Gazette, February 7, 2024

SECTION ONE
B - INSTRUCTIONS TO BIDDERS

1B-01. Securing Documents. Plans, Specifications and other contract documents will be available for examination without charge and copies may be secured in accordance with the foregoing “Notice of Inviting Bids”.

1B-02. Examination of Specifications and Sites of Work. The Bidder is required to examine the site of work, the proposal, the Plans and Specifications very carefully. They shall satisfy themselves as to the character and quantities of the work to be performed, the materials to be furnished and the requirements of the Contract Documents. It is not to be inferred that all conditions as shown on the Plans are actually existent, nor shall the City or any of its officers be liable for any loss sustained by the Contractor as a result of any variance between conditions shown on the Plans and actual conditions revealed during examination or progress of the work. The submission of a proposal shall be prima facie evidence that the Bidder has made such an examination.

1B-03. Interpretation of Plans and Documents. If any Bidder should find discrepancies in, or omissions from the Plans, Specifications, or other proposed contract documents, or if they should be in doubt as to the true meaning of any part thereof, they shall at once make a request to the City for correction, clarification, or interpretation of the points in question. The person submitting such a request shall be responsible for its prompt delivery.

In the event that the City received such a request and it should be found that certain essential information is not clearly and fully set forth, or if the City discovers errors, omissions, or points requiring clarification in the documents, a written addendum will be mailed to each person to whom a set of contract documents has been delivered. The City will not be responsible for any instructions, explanations, or interpretations of the documents presented to Bidders in any manner other than written addendum.

1B-04. Addenda or Bulletins. The effect of all addenda to the contract documents shall be considered in the bid and said addenda shall be made a part of the contract documents and shall be returned with them. Before submitting their bid, each Bidder shall acquaint themselves as to whether or not any such addenda have been issued and failure to cover in their bid any such addenda issued, may render their bid informal and result in its rejection.

1B-05. Disqualification of Bidders. No person, firm or corporation shall be allowed to make, file, or be interested in more than one bid for the same work unless alternate bids are called for. (A person, firm or corporation who has submitted a sub-proposal to a Bidder, or who has quoted prices or materials to a Bidder, is hereby disqualified from submitting a bid in their own behalf).

1B-06. Proposals. Bids to receive consideration shall be in accordance with the following instructions:

- a. Bids shall be made only on the Bid Proposal included with the Specifications; all bid items shall be properly filled out; numbers shall be stated in figures and the signatures of all persons signing shall be in longhand.
- b. All prices and notations must be in ink or typewritten. No erasures will be permitted. Mistakes may be crossed out and corrections typed or written in ink adjacent thereto and must be initialed in ink by the person or persons signing the bid.

c. Bids shall not contain any recapitulation of the work to be done. Alternate proposals will not be considered except as required hereinabove. No oral, telegraphic, or telephonic proposals or modifications will be considered.

d. The City may make such investigations as they deem necessary to determine the ability of any Bidder to perform the Work and the Bidder shall furnish to the City such information and data for this purpose as the City may request.

e. Each Bidder shall list their proposed subcontractors on the form accompanying the proposal in accordance with the provisions of the Specifications.

f. Each Bidder must accompany their bid with either a cashier's check upon some responsible bank, or a check upon such bank properly certified, or an approved corporate surety bond payable to the City of Lindsay, for a sum not less than ten percent (10%) of the aggregate sum of the bid, which check or bond and the monies represented thereby shall be held by the said City as a guarantee that the Bidder, if awarded a contract, will in good faith enter into such contract and furnish the required bonds and insurance policies. Such bid bond shall be issued by an "admitted surety insurer," as that term is defined by California Code of Civil Procedure Section 995.120, as may be amended, and in a form acceptable to the City.

The Bidder agrees that, in case of their refusal or failure to execute said contract and provide said bonds and insurance policies within the time required by these documents, such check or bond and the money represented thereby, in the amount of ten percent (10%) the bid, shall remain the property of the City party hereto, or in the event of a corporate surety bid bond, said surety will make payment on the bond to the City, as liquidated damages, for all damages which the City may suffer by reason of such failure. A Bid received and not accompanied by such cashier's check, certified check, or approved bond, shall be rejected.

g. Bids shall be delivered to the City of Lindsay, at the location stipulated, on or before the day and hour set for the opening of bids, as herein before specified in the "Notice of Inviting Bids". Bids shall be enclosed in a sealed envelope bearing the title of the work and the name of the Bidder.

1B-07. Licensing of Contractors. All persons, firms, partnerships, or corporations shall be licensed in accordance with the Business and Professions Code of the State of California and the applicable ordinances of the City of Lindsay before proceeding with the work under this contract. This project requires a current and valid Class "C-27" Landscaping Contractor's License, in the State of California.

1B-08. Withdrawal of Bid. Any Bidder may withdraw their bid by written request at any time prior to the scheduled closing time for receipt of bids.

1B-09. Opening of Bid Proposals. A City representative will, in open session, publicly open, examine and declare the bids at the earliest convenient time following the time set forth in the "Notice of Inviting Bids". Bidders or their authorized representatives are invited to be present.

1B-10. Award of Contract or Rejection of Bids. No Bidder may withdraw their bid for a period of sixty (60) days after the date set for the opening of bids. The contract for the work will either be awarded, or the bids rejected within sixty (60) days from the date set for the opening of bids.

The contract for the work will be awarded to the lowest responsible Bidder complying with these instructions, the four (4) criteria set forth below and the "Notice of Inviting Bids". The City, however, reserves the right to reject any or all bids and to waive any informality in the bids received. The City, in

making its determination of the lowest responsible Bidder, will give consideration to the following criteria:

1. Quality of the contractor's technical approach to the project;
2. Qualifications of the Contractor's personnel, equipment and their availability to complete the work on time.
3. Experience of the Contractor in this type of work and the capability for performing the project; and
4. The Contractor's total bid price.

A Bidder to whom an award is made shall execute a written Contract with the City and furnish the stipulated bonds and insurance within ten (10) days after the Notice of Award of the contract is issued. The Contract shall be made on the form provided by the City.

If the Bidder to whom the award is made fails to enter into the contract as herein provided, the award may be annulled and an award may be made to the next lowest responsible Bidder; and such Bidder shall fulfill every stipulation embraced herein, as if they were the party to whom the first award was made. A corporation to which an award is made shall furnish evidence of its corporate existence and that the officers signing the contract and bonds for the corporation are duly authorized to do so by certified copy of Resolution authorizing same by the corporation's Board of Directors.

1B-11 Bonds. A successful Bidder, simultaneously with the execution of an Agreement, will furnish a bond to secure the payment of labor and materials in a sum not less than 100 percent (100%) of the total amount payable by the terms of the contract and a faithful performance bond in a sum not less than 100 percent (100%) of the amount of the contract; said bonds shall be issued by admitted surety insurers satisfactory to the City. Surety companies, to be acceptable to the City must be authorized to do business in the State of California and be on the accredited list of the United States Treasury. The bonds given by the contractor shall be extended as proposed in the same manner as the district.

1B-12. Time of Completion and Liquidated Damages. The work shall be commenced within ten (10) calendar days from the date of the Notice to Proceed and shall be diligently prosecuted until completion. A time limit of **forty-five (45) calendar days** from date of the Notice to Proceed has been set for completion of all of the work. The Bidder agrees to pay, as Liquidated Damages, Eight Hundred Dollars (\$800.00) for each consecutive calendar day delay in finishing the work in excess of the number of calendar days as prescribed above. The Bidder's attention is directed to the General and Special Conditions as to provisions for extension of time of completion and/or assessment of Liquidated Damages.

1B-13. Assignment of Contract. No assignment by the Contractor of any contract to be entered into hereunder or of any part thereof, or of funds to be received thereunder by the Contractor, will be recognized by the Agency unless such assignment has had prior approval of the Agency and the surety has been given notice of such assignment in writing and has consented thereto in writing.

1B-14. Workers and Wages. Pursuant to Section 1773 of the Labor Code, the general prevailing wage rates in the county, or counties, in which the work is to be done have been determined by the Director of the California Department of Industrial Relations. These wages are set forth in the General Prevailing Wage Rates for this project available from the California Department of Industrial Relations' Internet website at <http://www.dir.ca.gov/DLSR/PWD>. The Federal minimum wage rates for this project as predetermined by the United States Secretary of Labor are set forth in this project manual issued for bidding. Purposes and in copies of this book that may be examined at the offices described above where project plans, special provisions, and bid forms may be seen. Addenda to modify the Federal minimum wage rates, if necessary, will be issued to holders of this project manual. Future effective general

prevailing wage rates, which have been predetermined and are on file with the California Department of Industrial Relations, are referenced but not printed in the general prevailing wage rates.

1B-15. Job Tour. Assistance, if necessary, in the inspection of the project location can be obtained by prior arrangement with the City of Lindsay Department of City Services.

1B-16. Identification of Subcontractors. In accordance with Section 4100 et seq of the Public Contract Code, each Bidder, in the Bid, shall set forth: **(1)** The name and location of the place of business of each subcontractor who will perform work or labor, or render services to the Contractor in or about the construction of the work, or improvement, in an amount in excess of one-half of one percent of the Contractor's total bid; and **(2)** The portion of the work which will be done by each such subcontractor. No Contractor, whose bid is accepted shall, without consent of the City, either: **(3)** Permit any such contract to be assigned or transferred, or allow it to be performed by anyone other than the original subcontractor listed in the bid; or **(4)** Sublet or subcontract any portion of the work in excess of one-half percent of one percent of the Contractor's total bid as to which their original bid did not designate a subcontractor. Penalties for failure to comply with the foregoing are as set forth in the Public Contract Code.

1B-17. DIR Registration. A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Labor Code Section 1725.5 at the time the contract is awarded.

1B-18. State Prevailing Wage Rates. In accordance with the provisions of Section 1770 of the Labor Code, the Director of the Department of Industrial Relations of the State of California has ascertained the general prevailing rate of wages and employer payments for health and welfare, pension, vacation, travel time and subsistence pay as provided in Labor Code Section 1773.9, apprenticeship or other training programs authorized by Labor Code Section 3093, and similar purposes applicable to the work to be done. These wages are set forth in the General Prevailing Wage Rates for this project, available from the California Department of Industrial Relations' Internet web site at <http://www.dir.ca.gov/>.

1B-19. Statutory Penalty for Unauthorized Overtime Work. In accordance with Section 1813 of the California Labor Code, the Contractor shall, as a penalty to the State or political subdivision on whose behalf the contract is made or awarded, forfeit twenty-five dollars (\$25.00) for each worker employed in the execution of the contract by the Contractor or by any subcontractor for each calendar day during which said worker is required or permitted to work more than eight hours in any one calendar day and forty hours in any one calendar week in violation of Sections 1810-1815 of the California Labor Code.

1B-20. Workers Compensation Notice. As required by Section 1860 of the California Labor Code and in accordance with provisions of Section 3700 of the Labor Code, every Contractor will be required to secure the payment of "workers compensation" to its employees.

1B-21. Workers Compensation Certification by Contractor. In accordance with Section 1861 of the California Labor Code, the Contractor shall furnish the City a notarized statement prior to commencing construction as follows: "I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for workers compensation or to undertake

self-insurance in accordance with the provisions of that code and I will comply with such provisions before commencing the performance of the work of this contract.”

1B-22. Apprenticeship Requirements. The Contractor agrees to comply with Sections 1777.5, 1777.6 and 1777.7 of the California Labor Code relating to the employment of apprentices. The responsibility for compliance with these provisions is fixed with the prime Contractor for all apprentice-able occupations. Under these sections of the law, contractors and subcontractors must employ apprentices in apprentice-able occupations, where journeymen in the craft are employed on the public work, in a ratio of not less than one apprentice for each five journeyman (unless an exemption is granted in accordance with Section 1777.5) and contractors and subcontractors shall not discriminate among otherwise qualified employees as indentured apprentices on any public work solely on the grounds of race, religious creed, color, national origin, ancestry, sex, or age, except as provided in Section 3077 of the Labor Code. Only apprentices, as defined in Section 3077, who are in training under apprenticeship standards and who have signed written agreements will be employed on City Services in apprentice-able occupations.

SECTION ONE
C - BID PROPOSAL
CITY OF LINDSAY
Hermosa Street/Westwood Avenue Roundabout Landscape Project – No. 1
Lindsay, California

Ladies & Gentlemen:

The undersigned hereby declares, as Bidder, that the only persons or parties interested in this proposal as principals, are those named herein, that no public officer or employee of the City is in any manner interested directly or indirectly in this proposal or in the profits to be derived from the contract proposed to be taken; that this bid is made without any connection with any other person or persons making a bid for the same purpose; that the bid is in all respects fair and without collusion or fraud; that he has read the Notice of Inviting Bids and the Specifications and agrees to all the stipulations contained herein; that he has examined the site of the work, the form of Agreement and the Specifications and drawings referred to therein.

The undersigned hereby proposes and agrees to furnish all of the material, labor, equipment, transportation and services for the construction and completion of the work listed below, all in strict conformity with the Plans, Specifications and other contract documents on file at the City, at the unit prices listed below.

If awarded the contract, the undersigned agrees to sign said contract and furnish the necessary bonds and insurance policies within ten (10) calendar days after the Notice of Award of contract.

The undersigned has checked carefully all of the prices quoted and understands that the City of Lindsay will not be responsible for any errors or omissions on the part of the undersigned in making up this Bid Proposal.

Attached please find Bidder's Bond, certified check, or cashier's check, for \$ _____, which amount is not less than ten percent (10%) of the total amount of this bid.

BIDDING SHEET

The work under this Specification is for the construction of the City of Lindsay, **Hermosa Street/Westwood Avenue Roundabout Landscape Project – No. 1** for the City of Lindsay all as described in this Specification and as shown on Plans.

The City reserves the right to:

1. Accept or reject any or all bids.
2. Award the contract to the lowest responsible Bidder for the Base Bid, if selected.
3. Waive any defects.
4. Accept all or any portion of the BID SCHEDULE.

The undersigned hereby certifies that he has a valid license as contractor **Class "C-27" Landscaping Contractor License**, in the State of California, the number of which is _____ and expiration of which is _____. I hereby declare that this information is valid and submitted under penalty of perjury in compliance with Business and Professions Code Section 7028.15.

Signed

Title

The undersigned hereby proposes and agrees to furnish all of the material, labor, equipment, transportation and services necessary for the construction of the **Hermosa Street/Westwood Avenue Roundabout Landscape Project – No. 1**, all in strict conformity with the Plans and Specifications on file with the City of Lindsay. Bids shall include sales tax and all other applicable taxes and fees. Completion time is defined as the number of calendar days necessary to complete the defined work items from the date of the Notice to Proceed.

In accordance with Section 4552 of the Government Code, the bidder shall conform to the following requirements. In submitting a bid to the City, the bidder offers and agrees that if the bid is accepted, it will assign to the City all rights, title and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C.) or under the Cartwright Act (Chapter 2, commencing with Section 16700, of Part 2 of Division 7 of the Business and Professions Code), arising from purchase of goods, materials, or services by the bidder.

BID SCHEDULE

The Bid Schedule(s) list the various divisions of construction contemplated in the Plans and Specifications, together with an estimate of the units each. With these units as the basis, the Bidder will extend each item, using the cost he inserts in the unit column. Any total cost found inconsistent with the unit cost shall be considered incorrect. Unit cost figures shall be considered correct and adjustments made accordingly.

The Bid prices shall be in ink or typewritten and the sum entered in figures. The following quantities of work to be done and materials to be furnished are given as a basis for the comparison of bids. The City reserves the right to increase or decrease the quantities of any items as necessary or expedient.

All items shall be complete in place and bids shall include sales tax and all other applicable taxes and fees.

Witness our hands this _____ day of _____, 20_____.

Signature of bidder, with business addresses and phone number.

Individual Contractor Name:

Address:

Partnership Name:

Business Address:

By:

Partner.

Other Partners:

Corporation Name:

Business Address:

By: _____,
President

_____,
Secretary

(Corporate Seal)

Organized under the laws of the State of

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned, _____ as Principal and _____ as Surety, are hereby held and firmly bound unto THE CITY OF LINDSAY as Owner, in the penal sum of ten percent (10%) of the total amount of the bid of Principal for the work, this sum not to exceed _____ Dollars (\$_____) of lawful money of the United States for the payment thereof unto THE CITY OF LINDSAY, Principal and Surety, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

The condition of the above obligation is such that whereas the Principal has submitted to the CITY OF LINDSAY a certain Bid, attached hereto and hereby made a part hereof to enter into a contract in writing, for the

City of Lindsay
Hermosa Street/Westwood Avenue Roundabout Landscape Project – No. 1

NOW THEREFORE,

- a. If said Bid shall be rejected, or in the alternate,

- b. If said Bid shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attached hereto (properly completed in accordance with said Bid) and shall furnish a bond for his faithful performance of said contract and for the payment of all persons performing labor or furnishing materials in connection therewith and shall in all other respects perform the agreement created by the acceptance of said Bid, then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligation of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Owner may accept such Bid; and Surety does hereby waive notice of any extension.

Surety shall be liable under this obligation as Principal. Nothing of any kind or nature whatsoever that will not discharge the Principal shall operate as a discharge or a release of liability of the Surety.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals and such of them as are corporation have caused their corporate seals to be hereto affixed and these presents to be signed by their property officers, the day and year first set forth above.

Contractor, Individual, Partnership, or Corporation

Surety

By: _____

By: _____

**DECLARATION OF NON-COLLUSION TO BE EXECUTED BY
BIDDER AND SUBMITTED WITH BID**

State of California

County of _____)

I, _____, declare as follows:

I am the _____ (Title) of _____ (Name of Bidder) the party making the foregoing bid, that the bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on _____ [Date], at _____ [City], _____ [State].

Signature of Bidder

**PROPOSAL
INFORMATION REQUIRED OF BIDDER**

The Bidder is required to supply the following information. Additional sheets may be attached if necessary.

(1) Address: _____

Phone No. _____ Fax No. _____ E mail/Web page _____

(2) Type of Firm: Individual, Partnership, LLC or Corporation: _____

(3) Corporation/LLC organized under the laws of the State of _____

(4) List the names of all shareholders directors and officers of the corporation or names of all members, managers, and officer of the LLC:

(5) Number of years experience as a licensed contractor in this type of construction work: _____

(6) Subcontractors Listing. Please complete the section below with all subcontractors that will be performing work in or about the work or improvement in excess of one-half (1/2) of one percent (1%) of the total bid price. Attach additional pages as necessary.

BASE BID

No.	Type Work	DIR #	Subcontractor Name, Address, Phone, FAX	Dollar Amt. of Contract	Total Percentage
1					
2					
3					
4					
5					
6					
7					
8					

ALTERNATE BID

No.	Type Work	DIR #	Subcontractor Name, Address, Phone, FAX	Dollar Amt. of Contract	Total Percentage
1					
2					
3					
4					
5					
6					
7					
8					

(7) List the name of the person who inspected the site of the proposed work for your firm: _____ . Date of Inspection: _____

(8) List 3 projects minimum and the owners and project manager and contact of similar size and type of construction; include the total base dollar figure and the final constructed dollar figure. (Attach additional page if necessary):

1. _____
2. _____
3. _____

(9) The General Contractor and all listed subcontractors shall submit with this proposal an organizational chart listing current employee names and titles. The General Contractor and all listed subcontractors shall identify the proposed project manager and foremen and include the length of employment with the company and years of experience with this type of construction. The General Contractor and all listed subcontractors shall also list the equipment owned that will be utilized on this project and list equipment not owned that is anticipated to be rented/purchased to complete this project.

(10) If requested by the City, the Bidder shall furnish a certified financial statement, financial data, or other information and references sufficiently comprehensive to permit an appraisal of his current financial condition.

The undersigned acknowledges that the quantities of work specified are approximate only, are the quantities which will be required to the best knowledge of the City at this time and are set forth herein for the purpose of comparing bids.

The City reserves the right to reject all bids or waive any informality and to award the bid to the responsible bidder on any Schedule.

The undersigned agrees, if awarded the Contract, to begin work within ten (10) calendar days after the date of the Notice to Proceed and to fully complete all work within the number of calendar days stipulated in the Instruction to Bidders after the date of the Notice to Proceed.

Receipt is hereby acknowledged of Addenda Number(s)

_____.

The undersigned is licensed in accordance with the laws of the State of California, Class “_____”
_____ Contractor License.

Individual Contractor

Name: _____

Address: _____

Partnership

Name: _____

Business Address: _____

By: _____

Partner.

Other Partners: _____

Corporation

Name: _____

Business Address: _____

By: _____, President.

_____, Secretary

Organized under the laws of the State of

(Corporate Seal)

LLC

Name: _____

Business Address: _____

By: _____, Manager

Organized under the laws of the State of

BID SCHEDULE
City of Lindsay
Hermosa Street/Westwood Avenue Roundabout Landscape Project – No. 1
Page 1

I. Selection Schedule

The tentative schedule and sequence of this RFQ/RFP is as follows:

- Release RFP Notice - January 31, 2024
- Final day for Submission of Questions to City - February 20, 2024 by 12:00 PM
- Final responses to Questions - February 22, 2024 by 2:00 PM
- **Deadline for Submission of RFQ/RFP** - February 27, 2024 by 2:00 PM

BID SCHEDULE
City of Lindsay
Hermosa Street/Westwood Avenue Roundabout Landscape Project – No. 1
Page 2

Base Bid Schedule

Item No.	Description	Quantity	Unit	Unit Price	Total Price
1	Mobilization/Demobilization	1	LS	\$	\$
2	Prepare and Maintain Pedestrian and Traffic Control Plan(s)	1	LS	\$	\$
3	Clearing, Grubbing, Grading at Roundabout	1	LS	\$	\$
4	Placement of Imported Topsoil at Roundabout	75	CY	\$	\$
5	Clearing, Grubbing, Grading at Median Islands & Street Returns	1	LS	\$	\$
6	Irrigation System	1	LS	\$	\$
7	Decomposed Granite Bedding Under Artificial Turf	40	CY	\$	\$
8	Artificial Turf	6250	SF	\$	\$
9	Ground Level Flood Lights	6	EA	\$	\$
10	5-Gallon Fruitless “Majestic Beauty” Olive Tree	3	EA	\$	\$
11	Gravel Rock Mulch	8.0	CY	\$	\$
12	¼ - Ton Granite Coarse Rock	4	EA	\$	\$
13	5-Gallon Atlas Fescue (Festuca Mairei)	15	EA	\$	\$
14	5-Gallon Fortnight Lily (Dietes Iridioides)	15	EA	\$	\$
15	1-Gallon New Gold Lantana (Lantana X)	15	EA	\$	\$
16	90-Day Maintenance Period	1	LS	\$	\$

***Total Base Bid Schedule Amount (\$):** _____

***Total Amount of Base Bid Schedule (Written in Words) is:**

_____ **Dollars and** _____ **Cents.**

- In the event of discrepancy between words and figures, the words shall prevail and in the event of discrepancy between unit prices and total, the unit prices shall prevail.
- Mobilization shall not exceed 5% of the total bid amount.
- Prevailing wage rates and associated requirements apply to the work to be performed under this bid.

The award of the Contract, if it be awarded, will be made within sixty (60) days after the opening of the bids. Unless required by law, a bidder cannot withdraw its bid during said 60-day period after the time set for the opening of all bids. A cashier's check, certified check or bidder's bond of ten percent (10%) of the bid must be enclosed with the bid.

The City hereby reserves the right to reject any and all bids and/or waive any irregularity in any bid received and/or determine in its sole discretion the responsibility of any bidder and which bid is most advantageous to the City.

Each Bidder must accompany his bid with either a cashier's check upon some responsible bank, or a check upon such bank properly certified, or an approved corporate surety bond payable to the City of Lindsay, for a sum not less than ten percent (10%) of the aggregate sum of the bid, which check or bond and the monies represented thereby shall be held by the said City as a guarantee that the Bidder, if awarded a contract, will in good faith enter into such contract and furnish the required bonds and insurance policies. Such bid bond shall be in a form acceptable by the City.

The Bidder agrees that, in case of his refusal or failure to execute said contract and provide said bonds and insurance policies within the time required by these documents, such check or bond and the money represented thereby, shall remain the property of the City party hereto and, said surety will pay to the City, as liquidated damages, for all damages which the City may suffer by reason of such failure, the sum of ten percent (10%) of the amount of the bid. A Bid received and not accompanied by such cashier's check, certified check, or approved bond, shall be rejected.

The undersigned agrees that, should the work not be completed within the time stated in the required contract, from and after the date the contractor is instructed to proceed by the City or its designee, an amount equal to eight hundred (\$800.00) per calendar day for each day of delay after the expiration of such period shall be deducted from the sum to be paid under the required contract.

BID SCHEDULE
City of Lindsay
Hermosa Street/Westwood Avenue Roundabout Landscape Project – No. 1
Page 4

Individual Contractor Name:

Address: _____

Partnership Name:

Business

Address: _____

By: _____

Partner.

Other

Partners: _____

Corporation Name:

Business Address:

By: _____,

President.

_____,

Secretary

(Corporate Seal)

Organized under the State laws of:

BID SCHEDULE
City of Lindsay
Hermosa Street/Westwood Avenue Roundabout Landscape Project – No. 1
Page 5

LLC Name:

Business Address:

By: _____,

Manager

Organized under the State laws of:

**SECTION ONE
D - CONTRACT**

THIS CONTRACT is made and entered _____, 202__, by and between the **City of Lindsay**, hereinafter referred to as the "City" and _____, hereinafter referred to as the "Contractor".

IT IS HEREBY AGREED BETWEEN THE PARTIES AS FOLLOWS:

First. Contract Documents. The complete Contract includes all of the contract documents, to-wit: **(a)** Notice of Inviting Sealed Bids; **(b)** Instructions to Bidders; **(c)** Bid Proposal; **(d)** Contract; **(e)** General Conditions; **(f)** Special Conditions; **(g)** Technical Provisions including the complete set of Plans for the construction of City of Lindsay, **Hermosa Street/Westwood Avenue Roundabout Landscape Project – No. 1** **(h)** Performance Bond; **(i)** Payment Bond; **(j)** Duly issued Addenda and all modifications incorporated in the foregoing documents before execution of the Contract Agreement.

The foregoing contract documents are hereby incorporated by reference and shall be deemed and considered as forming a part of this Contract Agreement as fully and to the same extent as if it were copied at length herein.

Second. The Work. The Contractor agrees to furnish all tools, labor, materials, equipment, transportation, services and supplies necessary to perform and complete in a good and workmanlike manner the construction of the work designated as City of Lindsay, **Hermosa Street/Westwood Avenue Roundabout Landscape Project – No. 1** in strict conformity with and in exact accordance with, the Plans and Specifications and all other Contract Documents referred to above, which plans are on file at the offices of the City.

Third. Payment. The City agrees to pay and the Contractor agrees to accept _____ (\$ _____) according to the Bid Proposal at the time and manner set forth in these Specifications.

The foregoing shall be accepted by the Contractor as full and final compensation for work done under this contract.

Fourth. Commencement and Completion of the Work. The Contractor agrees to begin and complete the work within the time specified in the Notice of Inviting Bids. Time is of the essence in completing the project.

Fifth LIQUIDATED DAMAGES. THE PARTIES AGREE THAT IT WOULD BE IMPRACTICAL AND EXTREMELY DIFFICULT TO FIX THE ACTUAL DAMAGE AND LOSS SUSTAINED BY THE CITY SHOULD THE CONTRACTOR FAIL TO COMPLETE THE WORK IN THE SPECIFIED TIME, THEREFORE, HE SHALL PAY TO THE CITY, AS LIQUIDATED DAMAGES and NOT IN THE NATURE OF A PENALTY, EIGHT HUNDRED DOLLARS (\$800.00) A DAY FOR EACH DAY DELAYED, WHICH SHALL BE DEDUCTED FROM ANY AMOUNT TO BE PAID UNDER THIS CONTRACT. THE AMOUNT OF LIQUIDATED DAMAGES HEREIN

PROVIDED FOR REPRESENTS AN ENDEAVOR BY THE CITY AND THE CONTRACTOR TO MUTUALLY DETERMINE, FIX AND STATE AN AMOUNT THAT NEARS A REASONABLE RELATIONSHIP TO THE ACTUAL DAMAGE SUFFERED BY THE CITY SHOULD THE CONTRACTOR FAIL TO COMPLETE THE WORK WITHIN THE TIME SPECIFIED; PROVIDED THAT EXTENSIONS OF TIME WITH WAIVER OF FORFEITURE DUE TO DELAY MAY BE GRANTED AS PROVIDED IN SECTION 2-06 OF THE GENERAL CONDITIONS.

Sixth. Performance, Payment, and Warranty Security. The Contractor agrees to furnish bonds guaranteeing the performance of this Contract and guaranteeing payment for all labor and material used under this Contract as required by the laws of the State of California, in forms approved by the City. The Performance Bond shall be for an amount not less than one hundred percent (100%) of the amount of this Contract and shall be conditioned on full and complete performance of the Contract. The Payment Bond shall be in an amount not less than one hundred percent (100%) of the amount of this Contract and shall be conditioned upon full payment of all labor and material entering into or incident to the work covered by this Contract. The City will withhold five percent (5%) retention from payments due the Contractor until thirty-five (35) days after date of recording of the Notice of Completion. The Contractor may elect to receive one hundred percent (100%) of payments due under the contract by depositing securities of equivalent value with the City in accordance with the provisions of the California Government Code Section 4590. The Contractor agrees to furnish the bonds on the forms bound within these Specifications.

Seventh. Insurance. The Contractor agrees to carry Public Liability Insurance, Property Damage Insurance, Fire and Extended Coverage, and Worker Compensation Insurance in amounts and any other requirements as stated as required by the General Conditions.

Eighth. General Prevailing Rate of Per Diem Wages. The provisions of the State of CA Department of Industrial Relations, and, if applicable, the U.S. Department of Labor Code, regarding prevailing rates of wages and apprenticeship employment standards established by both agencies are incorporated herein by reference.

In accordance with the provisions of Labor Code Sections 1770 through 1781, inclusive, the City has ascertained that the general prevailing rate of wages applicable to the work being done is as per wage scale on file in the office of the City's Director of Public Services. The Contractor shall pay not less than the specified wages to all workmen employed in the execution of this Contract.

The Contractor must have an agent sign documents required under the California Labor Code and receive proper state forms for the reporting of certified payroll. Except as may be otherwise required by law, all claims and disputes pertaining to the classification of labor employed on the Project under the Contract documents shall be decided by the City's Labor Compliance Officer.

Nothing contained herein shall be deemed to supersede any applicable laws, orders, or regulations issued by competent authority governing wages, hours of work of the employment of labor, nor to condone any violation of such laws, orders or regulations.

The Contractor shall post at appropriate conspicuous weatherproof points on the site of the Project a schedule showing the prevailing wage determinations published by the Director of the California Department of Industrial Relations that are applicable to the Project.

Pursuant to the provisions of Division 2, Part 7, Chapter 1, Article 2 of the Labor Code at Section 1770, *et seq.*, the City has obtained from the Director of the California Department of Industrial Relations the general prevailing rate of per diem wages and the prevailing rate for straight time, holiday time and overtime work in the locality in which the work is to be performed for each craft, classification or type of worker needed to execute the Contract, a copy of which is available in the office of the Director of City Services.

There shall be paid to each worker of the Contractor or any subcontractor, of any tier, engaged in the work not less than the general prevailing wage rate, regardless of any contractual relationship which may be alleged to exist between the Contractor or any subcontractor, of any tier, and such worker. The

Contractor and subcontractors will be required to pay all workers on a weekly basis and to submit the certified payrolls to the Labor Compliance Office weekly.

The Contractor shall forfeit Two Hundred Dollars (\$200.00) to the City for each calendar day or portion thereof, for each worker paid less than the prevailing rates as determined by the Director of the California Department of Industrial Relations for such work or craft in which such worker is employed by the Contractor or by any subcontractor, of any tier, in connection with the work. Pursuant to Labor Code 1775, the difference between such prevailing wage rates and the amount paid to each worker for each calendar day or portion thereof, for which each worker was paid less than the prevailing wage rate, shall be paid to each worker in the addition to the penalties.

Labor Code Section 1742.1 makes the Contractor, any subcontractor and the payment bond insurer jointly and severally liable for liquidated damages equal to the total underpayment of wages remaining uncorrected for sixty (60) days after receipt of the first notice of the underpayment. The underpaid employee will receive both the liquidated damages and the underpayment amount. The City may also request imposition of penalties equal to Fifty Dollars (\$50.00) per day per worker in addition to the liquidated damages and underpayment.

Contractors shall maintain payrolls and basic records (e.g., timecards, canceled checks, cash receipts, trust fund forms, accounting ledgers, tax forms, etc.) during the course of the work and shall preserve them for a period of three (3) years for workers of all trades at the City's project sites. Such records shall contain the name, address, and social security number of each worker, his or her classification, the rate of pay (including the rates of contributions for, or costs assumed to provide, fringe benefits), daily and weekly number of hours worked, deductions made, and actual wages paid.

The Contractor shall be responsible for ensuring that the labor standards provisions are followed by its subcontractors and shall be responsible for the Labor Code violations of its subcontractors. The City, through its Labor Compliance Officer or their designee, may conduct periodic inspections/audits to determine whether the workers of all trades on project sites have been paid according to the prevailing wage rates.

The City, through its Labor Compliance Officer and its consultants, has the duty to enforce the Labor Code public works requirements (Chapter 1 of Part 7 of Divisions 2 and 3). It is the policy of the City to strictly enforce the public works prevailing wage requirements set for in the Labor Code. To that end, the Contractor and subcontractors that are found to be violators of the Labor Code are subject to debarment from bidding on, or being awarded, any public works construction contract to the extent provided by law.

Within five (5) calendar days of approval, the City shall register the project with the Department of Industrial Relations of a Public Works Contract being awarded to the Contractor using the online electronic form PWC-100. The Contractor and all sub-contractors on the project shall provide their DIR registration numbers for verification of coverage and notification of the project. Contractors and subcontractors must submit certified payroll records to the Labor Commissioner using the California Department of Industrial Relations' electronic certified payroll reporting (eCPR) system.

Ninth. Compliance with Other Provisions of Law Relative to Public Contract. The City is a public agency in the State of California and is subject to the provisions of the Government Code, the Public Contract Code, and the Labor Code. It is stipulated and agreed that all provisions of law applicable to public contracts are a part of this Contract to the same extent as though set forth herein and will be complied with by the Contractor. These include, but are not limited to, the stipulation that eight (8) hours' labor constitutes a legal day's work and the Contractor will, as a penalty to the City, forfeit twenty-five dollars (\$25.00) for each workman employed in the execution of the Contract by the Contractor or

any subcontractor for each calendar day during which such workman is required or permitted to work more than eight (8) hours in violation of the provisions of Article Three, Chapter One, Part Seven, Division 2 of the California Labor Code, except as permitted by law.

Contractors are required by law to be licensed and regulated by the Contractors' State License Board. Any questions concerning a contractor may be referred to the Registrar, Contractors' State License Board, 9821 Business Park Drive, Sacramento, California 95827.

Tenth. Protecting of Public Utilities. The Contractor shall be compensated for the cost of locating, repairing damage not due to the failure of the Contractor to exercise reasonable care, in removing or relocating such utility facilities not indicated in the Plans and Specifications with reasonable accuracy and for equipment on the project necessarily idle during such work. The Contractor shall not be assessed liquidated damages for delay in completion of the project, which such delay was caused by the failure of the City or the owner of the utility to provide for removal or relocation of such utility facilities.

Nothing herein shall be deemed to require the City to indicate the presence of existing service laterals or appurtenances whenever the presence of such utilities on the site of the construction project can be inferred from the presence of other facilities, such as buildings, meter junction boxes, on or adjacent to the site of the construction; provided, however, nothing herein shall relieve the City from identifying main or trunk lines in the Plans and Specifications.

If the Contractor, while performing a contract, discovers utility facilities not identified by the City on the Plans or in the Specifications, he shall immediately notify the City and the utility in writing. The City, where it is the owner, shall have the sole discretion to perform the repairs or relocation work or permit the Contractor to do such repairs or relocation work at a reasonable price. If the Contractor discovers hazardous waste or unusual physical conditions, he shall comply with the notice provisions of Public Contract Code Section 7104.

Eleventh. Submission of Bids: Agreement to Assign. In accordance with Section 4552 of the Government Code, the bidder shall conform to the following requirements. In submitting a bid to the City, the bidder offers and agrees that if the bid is accepted, it will assign to the City all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C.) or under the Cartwright Act (Chapter 2, commencing with Section 16700, of Part 2 of Division 7 of the Business and Professions Code), arising from purchase of goods, materials, or services by the bidder.

Twelfth. Termination or Modification of Contract. Environmental Reasons. City may terminate, amend or modify the contract for environmental considerations. In the event of such termination, modification, or amendment, the notification to the Contractor thereof will include a statement of the compensation payable, if any, by reason of such termination, modification, or amendment. Any claims filed by the Contractor shall be in sufficient detail to enable the City to ascertain the basis and amount of said claims. The City will consider and determine the Contractor's claim and it will be the responsibility of the Contractor to furnish, within a reasonable time, such further information and details as may be required by the City to determine the facts or contentions involved in his claims. Failure to submit such information and details will be sufficient cause for denying the claims.

Upon final determination of any claim, the City shall then make and issue its final estimate in writing and within forty (40) days thereafter the City will pay the entire sum found due thereon, if any.

Thirteenth. Integration Clause. This Contract constitutes the entire agreement of the parties. No other agreements, oral or written, pertaining to the work to be performed under this Contract, exist

between the parties. This Contract can be modified only by an agreement in writing signed by both parties.

IN WITNESS WHEREOF, this Contract is executed by the duly authorized agent(s) of the City and by the Contractor on the date set before the name of each.

CITY OF LINDSAY

By: _____
Mayor

(City Seal)

Attest:

City Clerk
City of Lindsay

Contractor

(Corporate Seal)

By: _____

Title

Approved as to Form:

City Attorney for City of Lindsay

**CONTRACTOR'S/SUBCONTRACTOR'S CERTIFICATION
CONCERNING STATE LABOR STANDARDS**

All contractors and subcontractors shall give the following certifications to the grantee and forward this certification to the grantee within ten days after the execution of any contract or subcontract.

A. "I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that Code, and I will comply with such provisions before commencing the performance of the work of this contract."

B. "It is further agreed that, except as may be provided in Section 1815 of the California Labor Code, the maximum hours a worker is to be employed is limited to eight hours a day and 40 hours a week and the subcontractor shall forfeit, as a penalty, twenty-five dollars (\$25.00) for each worker employed in the execution of the subcontract for each calendar day during which a worker is required or permitted to labor more than 8 hours in any calendar day or more than 40 hours in any calendar week."

Contractor/Subcontractor

By: _____

Typed Name and Title

CERTIFICATION OF NONSEGREGATED FACILITIES

The Contractor certifies that he does not nor will not maintain or provide for his employees any segregated facilities at any of his establishments and that he does not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained.

As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, creed, color, or national origin, because of habit, local custom or otherwise.

We further agree that (except where we have obtained identical certifications from proposed sub consultants for specific time periods) we will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause; that we will retain such certification in our files; and that we will forward the following notice to such proposed subcontractors (except where the proposed subcontractors have submitted identical certifications for specific time periods).

We understand and agree that breach of this certification is a violation of Equal Opportunity clause required by Executive Order 11246, amended.

NOTE: Whoever knowingly and willfully makes any false, fictitious or fraudulent representation may be liable to criminal prosecution under 18 U.S.C. 1001.

Signature

By: _____

Title

BOND FOR FAITHFUL PERFORMANCE

KNOW ALL MEN BY THESE PRESENTS:

That we, _____ hereinafter referred to as "Contractor", as Principal, and _____ as Surety, are held firmly bound unto the City of Lindsay in the sum of _____ (\$ _____), lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, jointly and severally, firmly by these presents.

The condition of the foregoing obligation is such that:

WHEREAS, said Contractor has been awarded and is about to enter a Contract with the City of Lindsay for furnishing all materials, equipment and labor and in the constructing of City of Lindsay, **Hermosa Street/Westwood Avenue Roundabout Landscape Project – No. 1** for said City and is required by said City to give this bond in connection with the execution of said Contract:

NOW, THEREFORE, if the said Contractor shall well and truly do and perform all the covenants and obligations of said Contract on his part to be done and performed at the times and in the manner specified therein, then this obligation shall be null and void, otherwise it shall be and remain in full force and effect:

PROVIDED, that any alternations in the work to be done, or the materials to be furnished, which may be made pursuant to the terms of said Contract, shall not in any way release either the Contractor or the Surety thereunder, nor shall the extension of time granted under the provisions of said contract release either the Contractor or the Surety, and notice of such alternations or extensions of the Contract is hereby waived by the Surety.

WITNESS our hands this _____ day of _____, 20_____.

(Corporate Seal)

Contractor/Principal

By: _____

Title

(Corporate Seal)

Surety

By: _____

Title

Approved as to Form:

_____, City Attorney for City of Lindsay

BOND FOR MATERIALS AND LABOR

KNOW ALL MEN BY THESE PRESENTS:

That we, _____ hereinafter referred to as "Contractor", as Principal, and _____ as Surety, are held firmly bound unto the City of Lindsay in the sum of _____ (\$ _____), lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, jointly and severally, firmly by these presents.

The condition of the foregoing obligation is such that:

WHEREAS, said Contractor has been awarded and is about to enter a Contract with the City of Lindsay for furnishing all materials, equipment and labor and in the constructing of City of Lindsay, **Hermosa Street/Westwood Avenue Roundabout Landscape Project – No. 1** for said City and is required by said City to give this bond in connection with the execution of said Contract:

NOW, THEREFORE, if the said Principal as Contractor in said contract, or its, his or their subcontractors fails to pay for any materials, provisions, provider or other supplies, or teams, used in, upon, or for the project or fail to pay any of the persons named in Section 8500, *et seq.*, of the Civil Code, or amounts due under Unemployment Insurance Code with respect to work or labor performed by any such claimant, 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 the Revenue and Taxation Code, said Surety will pay for the same, in an amount not exceeding the sum specified above, and also, in case suit is brought upon this bond, a reasonable attorney's fee to be fixed by the Court. This bond shall inure to the benefit of any and all persons entitled to file claims as under Section 8500, *et seq.*, of the California Civil Code.

PROVIDED, that any alternations in the work to be done, or the materials to be furnished, which may be made pursuant to the terms of said Contract, shall not in any way release either the Contractor or the Surety thereunder, nor shall the extension of time granted under the provisions of said contract release either the Contractor or the Surety, and notice of such alternations or extensions of the Contract is hereby waived by the Surety.

WITNESS our hands this _____ day of _____, 20____.

(Corporate Seal)

Contractor/Principal

By: _____

Title

(Corporate Seal)

Surety

By: _____

Title

Approved as to Form:

_____, City Attorney for City of Lindsay

CERTIFICATE OF OWNER’S ATTORNEY

I, the undersigned, _____ the duly authorized and acting
(Please Type)

legal representative of **City of Lindsay**, do hereby certify as follows:

I have examined the attached CONTRACT(s), Performance and Payment BONDS and insurance certificates and the manner of execution thereof, and I am of the opinion that each of the aforesaid agreements has been duly executed by the proper parties thereto acting through their duly authorized representatives; that said representatives have full power and authority to execute said agreements on behalf of the respective parties named thereon; and that the foregoing agreements constitute valid and legally binding obligations upon the parties executing the same in accordance with terms, conditions, and provisions thereof. I also am of the opinion that the CONTRACTOR’s insurance coverage complies with the requirements of the CONTRACT.

(Attorney’s Signature)

DATE: _____

SECTION TWO
GENERAL CONDITIONS
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SECTION TWO
GENERAL CONDITIONS

2-01. Definition of Terms:

Terms used herein are defined as follows and as in the “Glossary, Water and Wastewater Control Engineering” proposed by the Joint Committee representing the American Public Health Association, American Society of Civil Engineers, American Water Works Association, and Water Pollution Control Federation.

- a. Addendum: A supplement of any of the Contract Documents issued, in writing, after advertisement of, but prior to the opening of bids for a Contract.
- b. Advertisement: The public announcement, as required by law, inviting bids for work to be performed or materials to be furnished.
- c. Agency or City: City of Lindsay, California, Party of the First Part of this Contract, or duly authorized agent of the Agency.
- d. Award: The formal action of the governing body in accepting a proposal.
- e. Bid Security: Refers to the certified check, cashier’s check, or surety bond, which is required to be submitted with the Proposal to insure execution of the Contract and the furnishing of the required bonds.
- f. Bidder: Any individual, firm, co-partnership, limited liability company, or corporation, submitting a proposal for the work contemplated, acting directly or through a duly authorized representative.
- g. Change Order: A written order issued by the Agency ordering the Contractor to make changes in the work or to perform extra work, and setting forth conditions for payment and adjustment in time of completion.
- h. Contract: The written instrument executed by the Contractor and the Agency by which the Contractor is bound to furnish all labor, equipment and materials and to perform the work specified, and by which the Agency is obligated to compensate the Contractor therefor at the prices set forth therein. The Contract Documents are herewith by reference made a part of the Contract as if fully set forth therein.
- i. Contract Documents: The works “Contract Documents” include the Notice Inviting Bids, Information for Bidders, General Conditions, Special Conditions, Specifications, Measurement and Payment, Proposal, Contract Payment Bond, Performance Bond, Plans and Addenda thereto.
- j. Contractor: The party of the second part, or his duly authorized agent, entering into this Contract with the Agency for performance of the work required by the Specifications. The Contractor is referred to throughout the Contract Documents as if of a singular number and masculine gender.
- k. Days: Unless otherwise designated, days will be understood to mean calendar days.
- l. District: The City of Lindsay or duly authorized agent of the District.
- m. Engineer: Whenever the Engineer is referred to, it is meant to mean City of Lindsay Engineer, limited in each case to the particular duties entrusted to him, or them.

- n. Inspector: Whenever the Inspector is referred to, it is meant to mean the City of Lindsay.
- o. Labor and Material Bond: A bond furnished by the Contractor and an approved surety, conditioned upon the Contractor promptly paying all monies due persons supplying labor or material to be used in protection of the Contract.
- p. Materials: The word “materials” includes, in addition to material incorporated into the project, equipment and other material consumed in the performance of the work.
- q. Notice of Award: A directive issued by the Agency notifying the Bidder that his proposal for the work contemplated has been accepted.
- r. Notice to Proceed: A directive issued by the Agency authorizing the Contractor to start the work or improvements required in the Contract.
- s. Faithful Performance Bond: A bond furnished by the Contractor and an approved surety, conditioned on the faithful performance and completion of the work covered by the Contractor.
- t. Plans: The approved detail drawings, or exact reproduction thereof, listed in the detail Specifications, which shows location, character, dimensions and details of the work to be done and which is to be constructed as a part of this Contract.
- u. Specifications: All written directions, provisions and requirements governing the procedure to be followed in connection with the performance and execution of the work, the quantities and qualities of materials to be used and the method of measurement of the quantities of work.
- v. Subcontractor: A person, firm, or corporation supplying labor and materials or labor for work at the site of the project as an agent of the Contractor.
- w. Surety: The word “surety” refers to the person, firm or corporation with whom the Contractor joins in assuring the liability for their performance of the Contract in accordance with the Plans and Specifications by issuing the bonds required by law.
- x. Work: The word “work” or “improvement” includes any or all of the improvements mentioned and authorized to be made, and the construction, reconstruction and repair of all, or any portion of such improvements, and all labor, services, incidental expenses, and material necessary or incidental thereto.
- y. The terms approved, directed, satisfactory, acceptable, proper, required, necessary, and or equal, shall be defined as meaning as approved, directed, satisfactory, accepted, acceptable, proper, required, necessary, or equal in the opinion of the Engineer.

2-02. Abbreviation.

The abbreviations used in the Plans and Specifications are abbreviations, the meaning of which are established by general usage, throughout the industry, those shown on the standard symbols of the Plans, and those defined hereinafter.

2-03. Supplementary Specifications.

Wherever reference is made within these documents to certain standard specifications, the reference shall be construed to mean the standards, with all subsequent amendments, changes, or additions as thereafter adopted and published that are in effect at the date of approval of the Plans and Specifications.

AASHTO	American Association of State Highway and Transportation Officials (formerly AASHO)
ACI	American Concrete Institute
AISC	American Institute of Steel Construction
AISI	American Iron and Steel Institute
ANSI	American National Standards Institute
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing and Materials
AWG	American Wire Gauge
AWS	American Welding Society
AWWA	American Water Works Association
CRSI	Concrete Reinforcing Steel Institute
FS	Federal Specification
SSPC	Steel Structures Painting Council

2-04. Subcontractors and Contracts.

No subcontractor will be recognized as such, and all persons engaged by the Contractor for the furnishing of labor, materials, equipment or any one or more of them, will be considered as employees of the Contractor, except regarding insurance as provided in paragraph 2-14. hereinafter.

Subcontractors may be permitted, to such extent as shall be shown to be necessary or definitely advantageous to the principal Contractor in the prosecution of the work, and in the opinion of the Engineer without injury to the interests of the Agency. The subcontract shall contain a reference to the agreement, and all parts thereof shall be made a part of such subcontract insofar as applicable to the work covered thereby. All work and materials furnished by the subcontractor shall be guaranteed by the Contractor and the Agency will hold the Contractor responsible therefor.

2-05. Testing and Rejection.

a. Operational and Field Testing. After all construction is complete and before acceptance, the Contractor shall perform field tests as called for in the Technical Provisions. The Contractor shall demonstrate to the Agency the operation of the facilities for proper sequence of operation and satisfactory performance of the individual components. Any improper operation of the system or improper, neglected or faulty construction shall be repaired or corrected to the satisfaction of the Engineer. The Contractor shall make changes, adjustments or replacement of equipment as may be required to make some comply with the Specifications, or replace any defective parts or material.

b. Tests. Materials requiring tests are so specified in the Technical Provisions.

c. Defective Work or Materials. The inspection of the work shall not relieve the Contractor of any of his obligations to fulfill this Contract, and defective work shall be made good, and unsuitable materials may be rejected, notwithstanding that such work and materials have been previously overlooked by the Engineer and accepted. If the work, or any part thereof, shall be found defective at any time prior to the final acceptance of the whole work, the Contractor shall forthwith make good such defect, without additional compensation, in a manner satisfactory to the Engineer.

Should it be considered necessary or advisable for the Agency, at any time before final acceptance of the work, to make an examination of work already completed by removing or exposing the work, the Contractor shall, on request, promptly furnish all necessary facilities, labor and materials. If such work is found to be defective in any respect due to fault of the Contractor or any of his subcontractors, he shall defray all the expenses of such examinations and of satisfactory reconstruction. If, however, such work is found to meet the requirements of this Contract, the additional cost of labor and materials necessarily involved in the examination and replacement, plus fifteen percent (15%) shall be allowed the Contractor.

All costs for retesting and re-inspection which are necessitated by defective materials and/or workmanship shall be at the sole expenses of the Contractor.

2-06. Performance of Work.

The work shall be commenced within ten (10) calendar days from the date of the Notice to Proceed and shall be completed by the Contractor within the number of calendar days stipulated in the Contract from the commencement of work. If the work is not completed in accordance with the foregoing, the Agency shall have the right to extend the time for completion if it determines, in its sole discretion, such extension to be in the best interests of the Agency. In case the Agency decides to extend the time limit for the completion of the work, it shall have the further right to charge the Contractor, his executors, administrators, heirs, assigns or sureties, all or any part as the Agency may deem proper, of the actual costs of engineering inspection, supervisors, incidental and other overhead expenses, that are directly chargeable to the Contract and that accrue during the period of such extension, and to deduct the amount thereof from the final payment for the work. However, the cost of the final survey and the preparation of the final estimate will not be included in such charges.

If the work is not completed by the Contractor in the time specified, or within any period of extension as above-authorized, it is understood that the Agency will suffer damage and it being impractical and extremely difficult to determine the amount of actual damage, it is agreed that the Contractor shall pay to the Agency as fixed and liquidated damages and not as a penalty, the sum specified in the Contract Agreement for each calendar day of delay until the work is completed and accepted and the Contractor and his surety shall be liable for the amount thereof, provided that the Contractor shall not be charged liquidated damages because of any delays in the completion of the work due to unforeseeable causes beyond the control and without the fault or negligence of the Contractor (including, but not restricted to, acts of God, or of the public enemy, acts of the Government, acts of the Agency, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and unusually severe weather (such as rain where the contractor's normal operational level is impeded)). The Contractor shall, within ten (10) days from the beginning of any such delay, notify the Engineer in writing of the cause of the delay; whereupon the Agency shall ascertain the facts and the extent of the delay and extend the time for completing the work when in its judgment the findings of fact justify such an extension; and its findings of fact thereby shall be final and conclusive on the parties thereto.

In the event of a dispute between the parties as to performance of the work, the interpretation of this Contract, or payment or nonpayment for work performed, the parties shall attempt to resolve the dispute. If the dispute is not resolved, Contractor agrees to continue the work diligently to completion and will neither rescind this

Contract nor seek to stop the Contract by order of a court of competent jurisdiction until after the project has been completed, or to arbitration as provided in Paragraph 3-15 of the Special Conditions.

The Contractor must ascertain to his own satisfaction the scope of the project and the nature of any other contracts that have been or may be awarded by the Agency in the project to the end that the Contractor may perform the Contract in the light of such other contract, if any. Nothing herein contained shall be interpreted as granting to the Contractor exclusive occupancy of the site of the project. The Contractor shall not cause any unnecessary hindrance or delay to any other contractor working on the project. If the performance of any contract for the project is likely to be interfered with by the simultaneous execution of some other contract or contracts, the Agency shall decide which Contractor may proceed. The Agency shall not be responsible for any damages suffered or extra costs incurred by the Contractor resulting directly, or indirectly from the award or performance of any other contract or contracts on the project, or caused by any decision or omission of the Agency respecting the order of precedence in the performance of the contracts awarded for completion of the project.

2-07. Federal Hindrance.

In entering into this Contract, it is clearly understood by all parties hereto that conditions may subsequently arise resulting from, connected with, or growing out of any war, in which the United States may be engaged, or any national emergency or condition created directly or indirectly by or for national defense and which are entirely beyond the control of either party, that may hinder, delay or render impossible the performance of this Contract in accordance with its terms and conditions.

It is therefore mutually understood and agreed, anything herein contained to the contrary notwithstanding, that in the event the Contractor shall be prevented from performing the Contract or any part thereof by reasons of the conditions above stated, the following procedure shall govern.

The Contractor shall, in writing, notify the Agency of his inability to perform, stating in full the reason therefore and the probable durations of such inability. If required, he shall also submit proof or evidence in support of this claim or inability to perform.

If it shall appear to the satisfaction of the Agency that the cause of inability to perform arose after the Contract was entered into and is beyond the control of the Contractor, the Agency may:

- a. If lawfully within its power, remove the cause which prevents performance; or
- b. Suspend this Contract until the cause of inability to perform is removed; or
- c. With the consent of the Contractor, renegotiate or amend this Contract by extending the time of performance or by making changes in the character of the work, or in the materials or equipment required in order to enable performance of the Contract; or
- d. Waive performance of that part of the Contract which is impossible, or supply substitute materials for those unavailable. Where this remedy is resorted to, the payment due the Contractor shall be diminished to the extent of the work not required to be supplied, based on a written agreement.

If none of the foregoing procedures are adopted by the Agency within thirty (30) days after the Agency is satisfied and so finds that the Contractor is unable to perform for the reason above stated, then either party hereto may, without incurring any liability, elect to declare this Contract terminated upon the going of impossibility of performance. Upon such termination, the Contractor shall be entitled to proportionate compensation at the Contract price for such portion of the Contract as may have been performed.

2-08. Suspension of Contract.

If the work to be done under the Contract shall be abandoned by the Contractor, or if the Contractor shall make a general assignment for the benefit of his creditors or be adjudicated as bankrupt, or a receiver of his property or business be appointed by a court of competent jurisdiction, or if this Contract shall be assigned by him otherwise than as hereinafter specified, or if at any time the Engineer shall be of the opinion that the performance of the Contract is unnecessarily delayed, or that the Contractor is willfully violating any of the conditions or covenants of the Contract or of the Specifications, or is executing same in bad faith or not in accordance with the terms thereof, or if the work is not fully completed within the time named in the Contract for its completions, or approved extension of such time, the Agency may, by written notice, instruct the Contractor to discontinue all work, or any part thereof, under the Contract.

When such written notice is served upon the Contractor, he shall immediately discontinue the work or such part thereof as is covered by the notice and shall not resume the same except by written instruction from the Agency.

In any case, the Agency may take charge of the work and complete it by whatever method it deems expedient. In doing so, the Agency may take possession of any materials, plant, tools, equipment, supplies, and property of every kind provided by the Contractor for the purpose of his work. The Contractor shall not be entitled to receive any payments after the date of said notice. If upon completion of the work, the total cost of the Agency in connection therewith from the date of said notice to the date of completion exceeds the amount which would have been due the Contractor if the Contract had been completed by him, he shall pay the amount of such excess to the Agency; and in case such total cost shall be less than the amount which would have been payable under the Contract if the same had been completed by the Contractor, then the difference shall be paid to the Contractor in the same manner as the final payment under the Contract.

The Agency also reserves the right of suspending the whole or any part of the work if the Engineer shall deem it for the interest of the Agency to do so and, unless otherwise provided in the Technical Provisions, the Contractor shall have not claim for damages or additional compensation on account of such suspension, but will be entitled to so much additional time wherein to complete the Contract as determined in accordance with paragraph 2-06. herein before.

2-09. Protests.

If the Contractor considers any work demanded of him to be outside the requirements of the Contract, or if he considers any instructions, ruling or decision of the Agency or Engineer, or of any inspection, to be unfair, he shall, within ten days after any such demand is made, or instruction, ruling, or decision is given, file a written protest with the Engineer, stating clearly and in detail his objections and the reasons therefore. Except for such protests and objections as are made of record in the manner and within the time stated herein, the Contractor shall be deemed to have waived and does hereby waive all grounds for protests or objections to such demands, instruction, ruling, or decision of the Engineer.

2-10. Right-of-Way.

The proposed improvements will be installed on public right-of-way and on easements secured for project purposes. The Contractor will be responsible for any encroachments in connection with the required construction pursuant to Section 3-13.

2-11. Loss or Damage.

The Agency shall not be answerable or accountable in any manner for any loss or damage that may happen to the work or any part thereof, or to any of the materials or other things used in performing the work, or for injury to any person or persons, either workmen or to the public, or for damage to any property for any cause which might have been prevented by the Contractor. Against all these injuries or damages to persons and property, the Contractor shall properly guard. The Contractor shall be responsible for any liability imposed by law for any damage to any person or property resulting from defects or obstructions, or from any cause whatsoever during the process of the work, or at any time before final acceptance, and shall indemnify, defend and save harmless the Agency from all suits or actions of every description brought for, or on account of, any injuries or damages received or sustained by any person or persons by reason of the construction of work, or any negligence or intentional misconduct in guarding the same, of improper materials used in its construction, or of any act of omission of the Contractor and his subcontractors.

2-12. Protection of Property and Utilities.

a. Protection of Property. The Contractor shall conduct his operation in such a manner as to avoid injury or damage to adjacent property, improvements, and facilities.

Buildings, trees, ground cover and shrubbery that are not designated for removal, pole lines, fences, guard rails, guide posts, culvert and project markers, signs, pavement, structures, conduits, pipelines and other improvements within or adjacent to the proposed improvements shall be protected from injury or damage. The Contractor shall provide and install suitable safeguards to protect such objects from injury or damage, which objects, if injured or damaged, by reason of the Contractor's operations, shall be replaced or restored to a condition as good as when entered upon the work, or as required by the Specifications.

The Contractor shall be responsible for all damage to streets, roads, highways, canals, ditches, embankments, bridges, culverts and other public or private property, which may be caused by transporting equipment, materials, or men to or from the work. The Contractor shall make satisfactory and acceptable arrangements with the property owner over the damaged property concerning its repair or replacement.

b. Protection of Utilities and Substructures. A diligent search of known utility records has been made in the endeavor to indicate on the plans the nature and location of all utilities which exist within the limits of the work. However, the accuracy or completeness of the utilities on the Plans is not guaranteed. Utility structures and/or service connections to adjacent property may or may not be shown on the Plans.

It shall be the responsibility of the Contractor, before commencing any excavation, to contact all possible owners of utilities within the work area and to ascertain from records or otherwise, the existence, position and ownerships of all utilities, utility structures and service connections. No error or omission regarding said utilities shall be construed to relieve the Contractor from his responsibility in protecting all such facilities.

Utilities with facilities in the area of the work covered by these Specifications include:

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| 1. GAS LINES:
Southern California Gas Company
5000 W. Cypress
Visalia, CA 93292
Phone 559-739-2234 | 2. UNDERGROUND SERVICE
ALERT:
800-227-2600 or 411 |
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|---|---|
| <p>3. TELEPHONE SERVICE:
 Frontier – Located Near
 185 N Gale Hill Ave
 Lindsay, CA 93247
 Phone 877-648-0453</p> | <p>4. ELECTRIC POWER:
 Southern California Edison Co.
 2425 S. Blackstone
 Tulare, CA 93274
 Phone 559-685-3268</p> |
| <p>5. IRRIGATION LINES:
 Lindsay-Strathmore Irrigation District
 23260 Round Valley Road
 Lindsay, CA 93247
 Phone 559-562-2581</p> | <p>Lindmore Irrigation District
 240 West Lindmore Street
 Lindsay, CA 93247
 Phone 559-562-2534</p> |
| <p>6. WATER, SEWER & STORM DRAIN LINES:
 City of Lindsay
 251 East Honolulu
 Lindsay, CA 93247
 Phone 559-562-7102</p> | <p>7. CABLE T.V.:
 Charter Communications
 151 North Main Street
 Porterville, CA 93257
 559-560-5312</p> |

Unless otherwise indicated on the Plans or in these Specifications or unless otherwise cared for by the Agency thereof, all water, gas, oil, or irrigation lines; lighting, power, or telephone conduits; sewer lines, house connection lines; sprinkling systems, and other subsurface structure of any nature along the work shall be maintained by the Contractor at his own expense and shall not be disturbed, disconnected, or damaged by him during the progress of the work. Should the Contractor in the performance of the work disturb, disconnect, or damage any of the above, all expenses of whatever nature arising from such disturbance, or the replacement or repair thereof shall be borne by the Contractor.

The Contractor shall be compensated for the cost of locating, repairing damage not due to the failure of the Contractor or exercise of reasonable care, in removing or relocating such utility facilities not indicated on the Plans and in the Specifications with reasonable accuracy and for equipment on the project necessarily idle during such work. The Contractor shall not be assessed liquidated damages for delay in completion of the project when such delay was caused by the failure of the Agency or the owner of the utility to provide for removal or relocation of such utility facilities.

Nothing herein shall be deemed to require the Agency to indicate the presence of existing service laterals or appurtenances whenever the presence of such utilities on the site of the construction project can be inferred from the presence of other visible facilities, such as building, meter junction boxes, on or adjacent to the site of the construction; provided, however, nothing herein shall relieve the Agency from identifying main or trunk lines on the Plans and in the Specifications.

If the Contractor, while performing this Contract, discovers utility facilities not identified by the Agency in the Contract Plans or Specifications, he shall immediately notify the Agency and the utility in writing. The public utility, where they are the owner, shall have the sole discretion to perform the repairs or relocation work or permit the Contractor to do such repairs or relocation work at a reasonable price.

In any case, should it be necessary to move or temporarily maintain the property of any public utility or other property, the cost of which because of the terms of any franchise or for any other reason must be borne by the agency thereof, such agency will, upon proper application by the Contractor, be notified by the Engineer to move or temporarily maintain such property within a specified reasonable time, and the Contractor shall not interfere with said property until after the expiration of the time specified.

If the Contractor discovers any of the following three conditions during excavation or trenching, the conditions shall be reported to the Engineer before the condition is disturbed:

- (1) Materials that the Contractor believes may be hazardous waste, as defined in Section 25117 of the Health and Safety Code, which is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law.
- (2) Subsurface or latent physical conditions differing from those indicated.
- (3) Unknown physical conditions of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in this Contract.

The Engineer shall promptly investigate any such report to determine if it justifies an increase or decrease in the Contractor's cost, or a change in the time required for performance of the work. Any dispute with the decision of the Engineer shall not excuse Contractor from proceeding on the basis of established completion dates, but Contractor shall be entitled to contest the Engineer's decision in the normal course of claims resolution as provided for in this Contract.

The right is reserved to the Agency, to governmental agencies, and to owners of public utilities and franchises to enter upon any street, alley, right-of-way, or easement for the purpose of maintaining or of making necessary repairs or changes in property made necessary by the work. The Agency reserves the right during the progress of the work, upon determination of the actual position of the existing utilities and structures, to make changes in the grade or alignment of the pipelines wherever by so doing, the necessity for relocation of such utility structure will be avoided. Such changes will be ordered by the Engineer.

c. Removal, Relocation or Protection of Existing Utilities. In accordance with the provisions of Section 4215 of the California Government Code, the contractor shall not be assessed liquidated damages for delay in completion of the project, when such delay was caused by the failure of the public agency or owner of the utility to provide for the removal or relocation of such utility facilities.

2-13. Observance of Laws and Regulations.

The address given in the Contractor's proposal on which the Contract is founded, is hereby designated as the place to which all notices, letters, and other communications to the Contractor shall be mailed or delivered, except that said address may be changed by the Contractor by so notifying the Engineer and Agency in writing. This shall not be construed to preclude the service of any notice, letter, or other communication upon the Contractor personally.

a. Patents or Copyrights. The Contractor shall hold and save the Agency harmless from liability of any nature and kind including costs and expenses, for or on account of any copyrighted or un-copyrighted composition, secret process, patented or unpatented invention, article, or applicant, manufactured, furnished, or used by him in the performance of this Contract, including their use by the Agency unless otherwise specifically stipulated in the Contract.

b. Labor Standard. Subject to the provisions of Section 1810 through 1815, inclusive, of the California Labor Code, the time of service of any laborer, workman, or mechanic employed on the work shall be limited and restricted to eight hours during any one calendar day, except as otherwise provided in said sections, and the Contractor shall forfeit, as a penalty to the Agency, \$25.00 for each laborer, workman, mechanic employed in the execution of this Contract by him or any subcontractor under him, for each

calendar day during which such laborer, workman, or mechanic is required or permitted to labor more than eight hours in violation of the provisions of the California Labor Code.

c. Bonds. Upon the execution of this Contract, the Contractor shall furnish to the Agency the bonds required in these Specifications. Said bonds to be in substantially the forms hereto attached and with sureties approved by the Agency. The premium upon all such bonds shall be paid by the Contractor. The Agency will approve any surety company which, at the time of execution of this Contract, is listed in the latest published U.S. Treasury Department list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds as Acceptable Reinsuring Companies."

The Contractor shall, and the Contractor does, hereby assume all risks of damage to this Work and material from fire, earthquake, storm, and/or other causes prior to the completion and acceptance of the Contractor's Work, and shall at the Contractor's own cost and expense, repair and/or replace any work or materials damaged or destroyed.

d. Compliance with Laws and Regulations. The Contractor shall keep himself informed of all laws, ordinances and regulations in any manner affecting those employed on the work, or the materials used in the work, or in any way affecting the conduct of the work and of all orders and decree of bodies or tribunals having any jurisdiction or authority over the same. He shall, at all times, observe and comply with all such applicable laws, ordinances, regulations, orders and decrees in effect or which may become effective before completion of this Contract; and shall protect and indemnify the Agency against any claim of liability arising from or based upon the violation of any such law ordinance, regulation, order or decree, whether by himself, his employees, or his subcontractors.

Unless otherwise explicitly provided in these Specifications, all permits and licenses necessary to the prosecution of the work shall be secured by the Contractor at his own expenses, and he shall pay all taxes properly assessed against his equipment or property used in connection with the work.

2-14. Insurance Requirements for Contractors.

The Contractor shall procure and maintain for the duration of the Contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees or subcontractors.

A. Minimum Scope of Insurance. Coverage shall be at least as broad as:

1. Insurance Services Office Commercial General Liability coverage (occurrence form CG 00 01 11 88)
2. Insurance Services Office form number CA 00 01 06 92 covering Automobile Liability, code 1 (any auto).
3. Workers' Compensation insurance as required by the State of California and Employer's Liability Insurance.
4. Course of Construction insurance utilizing an "All Risk" (Special Perils) coverage form, with limits equal to the completed value of the project and no coinsurance penalty provisions.
5. Contractors' Pollution Legal Liability insurance shall be maintained if the project involves environmental hazards. If the services involve lead-based paint or asbestos identification/remediation, the Contractors Pollution Liability policy shall not contain a mold exclusion, and the definition of Pollution shall include microbial matter, including mold.

B. Minimum Limits of Insurance. Contractor shall maintain limits no less than:

1. General Liability: 2,000,000 per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the

general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.

2. Automobile Liability: \$2,000,000 per accident for bodily injury and property damage.
3. Employer's Liability: \$1,000,000 per accident for bodily injury or disease.
4. Course of Construction: limits equal to the completed value of the project and no coinsurance penalty provisions.
5. Contractor's Pollution Legal Liability: \$1,000,000 per occurrence and \$2,000,000 policy aggregate

C. Deductibles and Self-Insured Retentions. Any deductibles or self-insured retentions must be declared to and approved by the City. At the option of the City, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City, its officers, officials, employees and volunteers; or the Contractor shall provide a financial guarantee satisfactory to the City guaranteeing payment of losses and related investigations, claim administration and defense expenses.

D. Other Insurance Provisions. The general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

1. The City, its officers, officials, employees, and volunteers are to be covered as additional insured with respect to liability arising out of automobiles owned, leased, hired or borrowed by or on behalf of the contractor; and with respect to liability arising out to work or operations performed by or on behalf of the Contractor including materials, parts or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to the Contractor's insurance, or as a separate owner's policy.
2. For any claims related to this project, the Contractor's insurance coverage shall be primary insurance as respects the City, its officers, officials, employees, or volunteers. Any insurance or self-insurance maintained by the City, its officers, officials, employees, or volunteers shall be excess of the Contractor's insurance and shall not contribute with it.
3. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be modified or canceled by either party, except after thirty (30) days' prior written notice by certified mail, return receipt requested, has been given to the City.

Course of construction policies shall name City as loss payee

E. Acceptability of Insurers. Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A: VII.

F. Waiver of Subrogation. Contractor hereby grants to the City and its officers, officials, employees, and volunteers a waiver of any right to subrogation which any insurer of Contractor may acquire against the City and/or its officers, officials, employees, and volunteers by virtue of the payment of any loss under such insurance. Contractor agrees to obtain endorsements necessary to effectuate this waiver of subrogation, but this provision applies regardless of whether or not the City has received a waiver of subrogation endorsement from the insurer.

G. Verification of Coverage. Contractor shall furnish the City with original certificates and amendatory endorsements effecting coverage required by this clause. All certificates and endorsements are to be received and approved by the City before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive the Contractor's obligation to provide them. The City reserves the right to require complete, certified copies of all required insurance policies, including endorsements affecting the coverage required by these specifications at any time.

H. Subcontractors. Contractor shall include all subcontractors as insured under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverage for subcontractors shall be subject to all of the requirements stated herein

2-15. Construction Facilities.

- a. Power. The Contractor will make arrangement for power and shall pay for all power and installation thereof, required for the execution of the work required to complete this Contract.
- b. Sanitary Facilities. The Contractor shall provide temporary chemical toilet facilities for the use of all workmen. The toilet building shall be maintained in a sanitary condition at all times and at the completion of construction shall be removed from the site. Pit-type privies shall not be used.
- c. Telephone. Any telephone facilities which the Contractor may install in connection with the work shall be made available for use of the Engineer or his representatives without charge; except that any toll charges incurred by the Engineer shall be paid by the Engineer.
- d. Storage. The Contractor shall be responsible for the storage of all materials, equipment and so on, which are used in the work. All materials, equipment and articles at the site shall be adequately housed by the Contractor or otherwise protected by him against deterioration and damage. All costs incurred through the failure to provide protection shall be borne by the Contractor during the course of the work.
- e. Transportation Facilities. The Contractor shall investigate the ability of transportation facilities and shall make all arrangements necessary for the delivery of materials to be used on the work. The Contractor shall make his own investigation on the condition of available public roads, access right-of-way, and of restrictions, bridge load limits and other limitations affecting transportation and ingress and egress at the site of the work.
- f. Dust Control. The Contractor shall refer to the Technical Provisions of these specifications.
- g. Drinking Water. The Contractor shall supply pure, cool, drinking water with individual drinking cups or a sanitary bubbler fountain.
- h. Safety Measures and Public Conveniences. The Contractor shall provide for the protection of all persons and property at all times. The Contractor shall comply with the recommendations for safe construction methods from the "Manual of Accident Prevention in Construction", published by the Associated General Contractors of America, Inc., to the intent that such provisions do not conflict with the applicable laws. Machinery and equipment shall be guarded in accordance with the requirements of the "Manual of Accident Prevention in Construction", published by the Associated General Contractor of America, Inc., to the extent that such provisions do not conflict with the applicable laws.

The Contractor shall take all necessary measures to protect the work and prevent accidents during the construction. He shall provide and maintain sufficient night lights, barricades, guards, temporary sidewalks, temporary bridges, danger signals, watchmen and necessary appliances and safeguards to properly safeguard life and property. He shall also protect all excavations, equipment and materials with barricades and danger signals so that the public will not be endangered.

The Contractor shall so conduct his operations as to offer the least possible obstruction and inconvenience to traffic, and shall have under construction no greater amount of work than he can handle properly with due regard to the rights of the public. Where existing streets are not available for detours, all traffic shall be permitted to pass through the work with as little and inconvenience as possible, unless otherwise authorized by the Engineer.

The Contractor shall be responsible for all damage or injury which may be caused on any property by trespass by the Contractor or his employees or subcontractors in the course of their employment, whether the said trespass was committed with or without the consent or knowledge of the Contractor.

i. Representative for Emergencies. The Contractor shall file with the Engineer, the names, addresses, and telephone numbers of representatives who can be contacted, at any time, in case of emergency. The representatives must fully be authorized and equipped to correct unsafe or excessively inconvenient conditions on short notice.

2-16. Superintendence and Labor Competency.

Whenever the Contractor is not present on any part of the work where it may be desired to give direction, orders given by the Engineer shall be received and obeyed by the superintendent or foreman as authorized representative who may be in charge of the work. Any order given by the Engineer, not otherwise required be in writing by the Specifications, will, on request of the Contractor, be given or confirmed in writing. An authorized representative of the Contractor shall be at the site of the work during working hours.

All superintendents and foremen shall be English-speaking.

Any superintendent, foreman, laborer, or other person employed on the work by the Contractor who fails or refuses to perform the work in the manner specified herein, shall be discharged immediately and such person shall not again be employed on the work. When required in writing by the Engineer, the Contractor or any subcontractor shall discharge any person who is, in the opinion of the Engineer, incompetent, unfaithful, disorderly, or otherwise unsatisfactory. Such discharge shall not be the basis of any claim for compensation or damage against the Agency.

2-17. Work Site Maintenance.

a. Access to Property Adjacent to Work. The convenience of abutting property owners shall be provided for as far as practicable. Convenient access to driveways, houses and buildings adjoining the work shall be maintained and temporary approaches to intersecting streets and alleys shall be provided and kept in good condition. When a section of surfacing, pavement, or a structure has been completed, it shall be opened for use by traffic at the request of the Engineer. In order that unnecessary delay to the traveling public may be avoided, the Contractor, when so ordered by the Engineer or City, shall provide competent flagman whose sole duty shall consist of directing traffic either through or around the work.

b. Water Hydrant and Utility Valves. The Contractor shall not prevent the free access to water, valves, water hydrants, or gas valves.

c. Rights to Access. The Contractor shall, at all times, provide proper facilities for access and inspection of the work by the Engineer, his assistants, inspectors, agents, and representatives of public agencies having jurisdiction.

2-18. Use of Explosives.

Explosives shall not be used on this project.

2-19. Drawing and Data to be Furnished by the Contractor.

Shop drawings shall be submitted by the Contractor to the Engineer as called for in the Specifications. A minimum of five (5) copies of all shop fabrication drawings that are required shall be submitted to the

Engineer for approval prior to the fabrication or placement of any of all items, three (3) of which will be retained by the Engineer. The remaining drawings, with comments of the Engineer, will be returned to the Contractor.

Approval of shop and working drawings shall indicate only that such drawings generally express the intent of the Contract Documents and shall not be construed as a complete check. Approval of drawings shall not relieve the Contractor of the responsibility of furnishing all materials and work required by and conforming to the Plans and Specifications. Approval of shop drawings shall, in addition, not relieve the Contractor of the responsibility of accuracy of dimensions; provision of adequate connections and the proper fitting of the work in the completed construction. An effort will be made to discover any errors in sizes of materials, general dimensions and detailed dimensions, but the responsibility for these items shall remain that of the Contractor.

Prior to submittal, the Contractor shall check the shop drawings prepared by subcontractor for accuracy and completeness, especially that the relation to adjoining work is accurately shown. Approval of shop drawings does not authorize any substitution of material or other departure from the requirements of the Contract Documents. Request for such changes shall be made the subject of separate correspondence. Shop drawings shall be submitted at such a time as will permit the Engineer not less than fifteen (15) days for checking. Any fabrication or other work done prior to the receipt of the approved shop and fabrication drawings shall be done entirely at the Contractor's risk.

The Contractor shall, in addition, file one (1) set of Contract Drawings, herein referred to as "Record Drawings", on which shall be recorded all variations between the work "as-built" and the Contract Drawings or other information specified. The Record Drawings shall be supplemented by any detailed sketches as necessary or directed to indicate fully the work "as-built". The Record Drawings shall be delivered to the Engineer upon completion of the work.

The Contractor shall supply to the Engineer, three (3) copies of the manufacturer's literature for all materials to be used in the project.

2-20. Final Conditions of Work.

Before application is made for the Agency to accept the work, all items of work shall be complete, ready to operate and in a clean condition. All trash, debris, unused building material and temporary structures shall have been removed from the site of the work. Tools and construction machinery not needed for repair and adjustment consequent to operational tests shall not be on the site. The walkways, parking areas and roadway shall be completely swept and broomed.

2-21. General Supervising.

The Engineer shall have the general supervision and direction of the work. He has authority to stop the work whenever such stoppage may be necessary to insure the proper execution of the Contract. He shall have authority to reject any work or materials which do not conform to the Contract Documents, to direct the application of forces to such portions of the work as in his judgment is required, to order the force increased or diminished, to direct the sequence of the work and to decide questions which arise in the execution of the work.

2-22. Lines and Grades, Setting Stakes.

The Contractor shall give two working days' notice in writing when he will require the services of the Engineer for laying out any portion of the work. Elevations shown for the various parts of the work refer to the Datum Bench Mark, which will be established by the Engineer near the site. The Engineer shall establish

the necessary base lines at the surface of the ground for the construction of the work. From the established base lines, the Contractor shall extend the necessary lines and grades for construction of the work and shall be responsible for the correctness of the same. The Contractor shall preserve all stakes set for lines, grades, or measurements of the work in their proper places until authorized to move them by the Engineer. Any expense incurred in replacing said stakes shall be borne by the Contractor.

Three consecutive points set on the same slope shall be used together in order that any variation from a straight grade can be detected. If any such variation is found, it shall be reported to the Engineer. In the absence of such report, the Contractor shall be responsible for any error in the grade of the finished work.

Prior to any request for construction stakes, the Contractor shall have all utility lines located and marked in the field.

2-23. Inspection.

The Agency shall provide inspection for all work to be performed under the Contract. Inspectors employed by the Agency shall be authorized to inspect all work done and materials furnished. Such inspection may extend to all or any part of the work, and to the preparation, fabrication, or manufacture of the materials to be used. The inspector will have authority to reject defective material and to suspend any work that is being improperly performed, subject to the final decision of the Engineer.

The inspector will exercise such additional authority only as may, from time to time, be delegated to him by the Engineer.

The Contractor shall notify the Agency or the Engineer two working days in advance of any work to be done in order that inspection services may be provided.

2-24. Materials and Workmanship.

Unless otherwise specified, all material incorporated in the permanent work shall be new. Materials so designated shall be as detailed and shall be of the best commercial quality and suitable for the purpose intended.

All workmanship shall be in conformance with the best trade practices. Particular attention shall be given to the appearance of exposed work. Any work or workmanship not conforming to the best practices shall be subject to rejection.

Preference for Materials. In accordance with the provision of Section 3400 of the California Public Contract Code, a contractor shall be provided a period of not less than 35 days after award of the Contract for submission of data substantiating a request for a substitution of "an equal" item.

2-25. Guarantees.

The Contractor shall guarantee all parts of the work against defective materials or workmanship furnished by the Contractor for a period of one (1) year from the date of filing of the "Notice of Completion" of the Contract, unless otherwise stipulated.

2-26. Attorney Fees.

If an action is commenced in a court of competent jurisdiction, or if the parties agree to settle a controversy of claim by arbitration, as provided in Section 3-15 of the Special Conditions attached hereto and made a part

hereof, and if as a result of such action or settlement, the Agency is afforded any relief, it shall be entitled to its reasonable attorneys', paralegals' appraisers', engineers', and other professionals' fees and costs.

2-27. Subsurface Conditions.

The Contractor shall promptly, and before such conditions are disturbed except in the event of an emergency, notify the Agency of written notice of:

** Subsurface or latent physical conditions at the site differing materially from those indicated on the Contract Documents; or

** Unknown physical conditions at the site, of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents.

The Agency shall promptly investigate the conditions, and if it is found that such conditions do so materially differ and cause an increase or decrease in the cost of, or in the time required for, performance of the work, an equitable adjustment hereunder shall be made and the Contract Documents shall be modified by a change order. Any claim of the Contractor for adjustment hereunder shall not be allowed unless the required written notice has been given; provided that the Agency may, if the Agency determines the facts so justify, consider and adjust any such claims consented to before the date of final payment.

2-28. Assignments.

- a. Public Works Contracts: Assignment to Awarding Body. In accordance with Section 4551 of the Government Code, the Contractor and subcontractor shall conform to the following requirements. In entering into a public works contract or a subcontract to supply goods, services, or materials pursuant to a public works contract, the Contractor or subcontractor offers and agrees to assign to the awarding body all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2, commencing with Section 16700, of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services or materials pursuant to the public works contract of the subcontractor. This assignment shall be made and become effective at the time the awarding body tenders final payment to the Contractor, without further acknowledgement by the parties.
- b. Submission of Bids: Agreement to Assign. In accordance with Section 4552 of the Government Code, the bidder shall conform to the following requirements. In submitting a bid to a public purchasing body, the bidder offers and agrees that if the bid is accepted, it will assign to the purchasing body all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2 commencing with Section 16700, of Part 2 of Division 7 of the Business and Professions Code), arising from purchase of goods, materials, or services by the bidder for sale to the purchasing body pursuant to the bid. Such assignments shall be made and become effective at the time the purchasing body tender final payment to the bidder.
- c. Submission of a Bid to a Public Agency Without a License: Misdemeanor; Exceptions: Previous Conviction; Fine: Application.
 - (1) It is a misdemeanor for any person to submit a bid to a public agency in order to engage in the business or act in the capacity of a contractor within this state without having a license therefor, except in any of the following cases:

- (a) The person is particularly exempted from the provisions of this chapter.
- (b) The bid is submitted on a state project governed by Section 10164 of the Public Contract Code.

(2) If a person has been previously convicted of the offense described in this section, the court shall impose a fine of 20 percent of the price of the Contract under which the unlicensed person performed contracting work, or four thousand five hundred dollars (\$4,500) whichever is greater, or impose imprisonment in the county jail for not less than 10 days nor more than six months, or both.

In the event the person performing the contracting work has agreed to furnish materials and labor on an hourly basis, "the price of the contract" for the purpose of this subdivision means the aggregate sum of the cost of materials and labor furnished and the cost of completing the work to be performed.

(3) This section shall not apply to a joint venture license, as required by Business and Professions Code Section 7029.1. However, at the time of making a bid as a joint venture, each person submitting the bid shall be subject to this section with respect to his or her individual licenser.

(4) This section shall not affect the right or ability of a licensed architect or registered professional engineer to form joint ventures with licensed contractors to render services within the scope of their respective practices.

(5) A licensed contractor shall not submit a bid to a public agency unless his or her contractor's license number appears clearly on the bid, the license expiration date is stated, and the bid contains a statement that the representations made therein are made under penalty of perjury. Any bid not containing this information, or a bid containing information which is subsequently proven false, shall be considered nonresponsive and shall be rejected by the public agency.

2-29. Access to Contractor Records.

Access to all Contractor and Subcontractor records related to work performed under this Contract shall be subject to examination and audit by the State Auditor General for a period of three (3) years after final payment under this Contract. Such records shall be maintained for a minimum period of three (3) years after final payment is received and shall be available to the State, its representatives, or during the term of this project and for a minimum period of three (3) years after the final payment.

2-30 Payments to the Contractor and Completion.

- a. Payment. The Agency shall make payments as follows:

Request for payments submitted by the Contractor on or before the tenth day of the calendar month, the Agency agrees to pay the Contractor, on the last day of the month, an amount to be determined by taking 95 percent of the approved completed work, proportionate to the amount of the Contract, of labor and materials incorporated in the Work to be performed, and by deducting the aggregate of all previous payments. The balance of the total Contract Price shall be paid 35 calendar days after the date of filing by the Agency of such Notice of Completion of all the Work to be done under this Contract.

The Agency reserves the right to withhold payments on accounts of:

- (1) Defective work not remedied.
- (2) Failure of the Contractor to make payments properly to subcontractors or for materials or labor.
- (3) A reasonable doubt that the Contract can be completed for the balance then unpaid.
- (4) Default of the Contractor in the performance of the terms and/or conditions of the Contract, or in their performance of any such terms and/or conditions.

b. Substitution of Securities in Lieu of Retainage. Pursuant to Section 22300 of the California Public Contract Code, the Contractor may substitute securities for any money held by the Agency to insure performance of the Contract. At the request and expense of the contractor, securities equivalent to the amount withheld shall be deposited with the Agency or with the State or Federally-chartered bank as the escrow agent, who shall return such securities to the contractor upon satisfactory completion of the Contract.

Deposit of the securities with an escrow agent shall be subject to a written agreement in the form outlined in Section 22300 of the Public Contract Code. The Agency shall not certify that the Contract has been completed until at least 45 days after the filing by the Agency of a Notice of Completion. Securities eligible for investment under said Section shall be those listed in Section 16430 of the California Government Code, bank or savings and loan certificates of deposit, interest-bearing demand deposit accounts, standby letters of credit, or any other security mutually agreed upon by the Contractor and the public agency.

c. Working Hours. The Contractor shall comply with all applicable provisions of Section 1810 through 1815, inclusive, of the California Labor Code relating to working hours. The Contractor shall, as a penalty of the Owner, forfeit \$25.00 for each worker employed in the execution of the Contract by the Contractor or by any subcontractor for each calendar day during which such worker is required or permitted to work more than 8 hours in any one calendar day and 40 hours in any one calendar week, unless such worker receives compensation for all hours in excess of 8 hours at not less than 1-1/2 times the basic rate of pay.

d. Workers Compensation.

(1) In accordance with the provisions of Section 1860 of the California Labor Code, the Contractor's attention is directed to the requirement that, in accordance with the provisions of Section 3700 of the California Labor Code, every Contractor will be required to secure the payment of compensation of his or her employees.

(2) In accordance with the provisions of Section 1861 of the California Labor Code, each Contractor to whom a public works contract is awarded shall sign and file with the awarding body the following certificate prior to performing the work of the Contract: "I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions before commencing the performance of the work of this contract."

e. Protection of Workers in Trench Excavations. As required by Section 6705 of the California Labor Code and in addition thereto, whenever work under the Contract involves the excavation of any trench or trenches 5 feet or more in depth, the Contractor shall submit for acceptance by the City or by a registered civil or structural engineer employed by the City, to whom authority to accept has been delegated, in advance of excavation, a detailed plan showing the design of shoring, bracing, sloping, or other provisions to be made for worker protection from the hazard of caving ground during the excavation, of such trench or trenches. If such plan varies from the shoring system standards established by the Construction Safety Orders of the Division of Industrial Safety, the plan shall be prepared by a registered civil or structural engineer employed by the Contractor, and all costs therefore shall be included in the

price named in the Contract Documents. Nothing in this Section shall be deemed to allow the use of a shoring, sloping, or other protective system less effective than that required by the Construction Safety Orders. Nothing in this Section shall be construed to impose tort liability on the Owner, the Engineer, nor any of their officers, agents, representatives, or employees.

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**SECTION THREE
SPECIAL CONDITIONS**

3-01. Scope of Work.

The work to be done consists of furnishing all labor, materials, tools and equipment necessary for or incidental to the construction and completion of the Hermosa Street/Westwood Avenue Roundabout Landscape Project – No. 1 in accordance with the Bid Proposal submitted.

The Contractor shall complete the proposed work in every detail specified. Should any details be omitted from these Specifications, it shall be the responsibility of the Contractor to inform the Engineer.

The Contractor acknowledges that the work called for consists of **Hermosa Street/Westwood Avenue Roundabout Landscape Project – No. 1.**

3-02. Time of Performance.

The work shall be completed within the number of calendar days stipulated in the Contract Agreements and the Notice Inviting Bids.

The liquidated damages levy shall apply to the time frame allotted there.

3-03. Payments.

For request for payments submitted by the Contractor on or before the tenth day of the calendar month, the Agency agrees to pay the Contractor, on the last day of the month, an amount to be determined by taking 95 percent of the approved completed work, proportionate to the amount of the Contract, of labor and materials incorporated in the Work to be performed, and by deducting the aggregate of all previous payments. The monthly payments shall be made on the basis of monthly estimates which shall be prepared by the Contractor on a form approved by the Agency. The estimate shall reflect work completed up to and including the last working day of each month. Work completed as estimated shall be an estimate only and no inaccuracy or error in said estimate shall operate to or release the Contractor or any bond underwriter from damages arising from such work or from enforcing each and every provision of the Contract; and the City shall have the right subsequently to correct any error made in any estimate for payment. The Contractor shall not be entitled to have any payment estimates processed or be entitled to have any payment made for work performed so long as any lawful or proper direction concerning the work or any portion thereof by the Agency shall remain uncomplished with.

Retained amounts shall be limited, except where greater retention is necessary under specific circumstances specifically provided for in this Specification, to the following:

Retention of 5% of payments claimed until construction is complete. Retention shall be paid after 35 calendar days following Notice of Completion filed by City Clerk.

The foregoing condition will not apply to the extent that it may be prohibited by any specific requirement of State or local laws or ordinances.

Contractor may elect to substitute securities for money withheld pursuant to Public Contract Code Section 22300 subject to escrow instructions approved by City.

In addition to the amount which the City may retain as provided above, the City may withhold a sufficient amount or amounts of any payments otherwise due to the Contractor as in its judgment may be necessary to cover (a) payments which may be past due and payable for just claims against the Contractor or any

subcontractor for labor or materials furnished in or about the performance of the work on the Project under the Contract; (b) for defective work not corrected; and (c) for failure of the Contractor to make proper payments to any of his subcontractors; and (d) for delays which expose the City to claims from other contractors or suppliers.

The City may apply such withheld amount or amounts to the payment of such claims, in its direction. In so doing, the City shall be deemed the agent of the Contractor and any payments so made by the City shall be considered as a payment made under the Contract by the City to the Contractor and the City shall not be liable to the Contractor for such payment in good faith. Such payment may be made without prior judicial determination of the claim or claims. The City will render to the Contractor a proper accounting of such funds disbursed on behalf of the Contractor.

Immediately after execution and delivery of the Contract, and before the first partial payment is made, the Contractor shall deliver to the Engineer, a construction commencement and completion program schedule of each of the various subdivisions of work required under the Contract and the anticipated amount of each monthly payment that will become due the contract price, and, thereafter, periodic itemized estimates of work done for the purpose of making partial payments thereon.

At the expiration of thirty-five (35) days after the final acceptance and filing of a Notice of Completion, the Contractor will be paid the remainder of the total contract price after deducting any sums which may be legally retained under this Contract.

3-04. Measurement and Payment.

General. Work performed by the Contractor pursuant to the requirements of the Contract Documents will be paid at the unit prices set forth in the Bid Proposal. The quantities of work performed will be measured by the Engineer in accordance with United States Standard Measures.

All miscellaneous work required to complete the Contract in accordance with the Contractor proposal shall be included in and paid for in the items contained in the Bid Schedule submitted by the Contractor and no claim shall be made or allowed for extra work on this account.

Payments made to the Contractor as specified herein shall constitute full compensation for all labor, materials, tools, equipment, taxes, fees, royalties, freight and incidentals necessary to the completed work and for performing all work contemplated and embraced under the Contract Documents; also for loss or damage arising from the nature of the work, or from the action of the elements, or from any unforeseen difficulties which may be encountered during the prosecution of the work until the acceptance by the Agency and for all risks of every description connected with the prosecution of the work, also for all expenses incurred in consequence of the suspension or discontinuance of the work as provided in the Contract documents; and for completing the work according to the Specifications. Neither the payment of any estimate nor of any retained percentage shall relieve the Contractor of any obligation to make good any defective work or material. No compensation will be made in any case for loss of anticipated profits.

The price of the bid items specified below include full compensation for furnishing of all labor, services, tools, equipment, materials, appurtenances and incidentals necessary for the completion of all work in the Contract Document, and no additional compensation will be allowed. An "approved equal" to the specifications of materials, structures, and processes may be used given approval from the Agency and its respective Engineer. However, if the material, structure, process, or article offered by the Contractor is not, in the opinion of the Engineer, equal to that specified, then the Contractor must furnish the material, structure process or article specified, or one which in the opinion of the Agency Representative is the equal thereof in all essential characteristics. The work and payment involved includes but is not limited to:

- **Base Bid Item No. 1 – Mobilization/Demobilization:** Payment under this item shall be for all furnishing of labor, services, tools, equipment, materials, appurtenances, and incidentals required for mobilization and demobilization to and from the project site and as indicated in Section 01016 of the Technical Provisions and the Plans. This item also includes the cost incurred for securing bonds, insurance, and financing prior to beginning work. This bid item will be paid as a Lump Sum, based on percentage of contract work completed.
- **Base Bid Item No. 2 – Prepare and Maintain Pedestrian and Traffic Control Plan(s):** Payment under this item shall be for all furnishing of labor, services, tools, equipment, materials, appurtenances, and incidentals required for providing temporary traffic delineation, construction area signs, and other equipment required to perform vehicle and pedestrian traffic control in accordance with Sections 01150, 01155, 01160 and 01170 of the Technical Provisions and the Plans. This bid item will be paid as a Lump Sum, based on percentage of contract work completed.
- **Base Bid Item No. 3 – Clearing, Grubbing, Grading at Roundabout:** Payment under this item shall be for all furnishing of labor, services, tools, equipment, materials, appurtenances, and incidentals required for performing all clearing, grubbing, and grading work at the Roundabout to the lines and limits shown in the plans and in accordance with Sections 01060, 02110, and 02210 of the Technical Provisions and the Plans. This bid item will be paid as a Lump Sum, based on percentage of contract work completed.
- **Base Bid Item No. 4 – Placement of Imported Topsoil at Roundabout:** Payment under this item shall be for all furnishing of labor, services, tools, equipment, materials, appurtenances, and incidentals required for importing and placing a 24” thick layer of topsoil per the plans and in accordance with Sections 01300, 02210, and 02220 of the Technical Provisions. This bid item will be paid by Cubic Yard.
- **Base Bid Item No. 5 – Clearing, Grubbing, Grading at Median Islands & Street Returns:** Payment under this item shall be for all furnishing of labor, services, tools, equipment, materials, appurtenances, and incidentals required for performing all clearing, grubbing, and grading work at the median islands and adjacent street returns to the lines and limits shown in the plans and in accordance with Sections 01060, 02110, and 02210 of these Technical Provisions and the Plans. This bid item will be paid as a Lump Sum, based on percentage of contract work completed.
- **Base Bid Item No. 6 – Irrigation System:** Payment under this item shall be for all furnishing of labor, services, tools, equipment, materials, appurtenances, and incidentals required for the installation of a full irrigation system per the Irrigation Plans and these specifications. This bid item will be paid as a Lump Sum, based on percentage of contract work completed.
- **Base Bid Item No. 7 – Decomposed Granite Bedding Under Artificial Turf:** Payment under this item shall be for all furnishing of labor, services, tools, equipment, materials, appurtenances, and incidentals required for the installation of a 2” thick layer of decomposed granite under the artificial turf areas in accordance with Sections 01060, 01100, and 02210 of these Technical Provisions and the Plans. This bid item will be paid by Cubic Yard.
- **Base Bid Item No. 8 – Artificial Turf:** Payment under this item shall be for all furnishing of labor, services, tools, equipment, materials, appurtenances, and incidentals required for the installation of artificial turf as identified in the plans and specifications to the lines and limits shown. The installation of artificial turf shall be per the Manufacturer’s recommendation and shall include the necessary hardware and methodology needed to properly anchor the newly laid artificial turf. This

bid item will be paid per Square Foot.

- **Base Bid Item No. 9 – Ground Level Flood Lights:** Payment under this item shall be for all furnishing of labor, services, tools, equipment, materials, appurtenances, and incidentals required for the complete installation of six (6) ground level flood lights, included but not limited to, the connection the power source, all necessary wiring, installation of 1” PVC sleeves, anchoring of lights, and all necessary work for the installation of the ground lights per the plans and specifications. This bid item will be paid per Each.
- **Base Bid Item No. 10 – 5-Gallon Fruitless “Majestic Beauty” Olive Tree:** Payment under this item shall be for all furnishing of labor, services, tools, equipment, materials, appurtenances, and incidentals required for the installation of three (3) 5-gallon fruitless “Majestic Beauty” olive trees at the locations shown on plans. This bid item will be paid per Each.
- **Base Bid Item No. 11 – Gravel Rock Mulch:** Payment under this item shall be for all furnishing of labor, services, tools, equipment, materials, appurtenances, and incidentals required for the installation and placement of a 2” layer of $\frac{3}{4}$ ” crushed rock in the “harvest gold” color to the lines and limits shown on the plans that are within the central island of the roundabout. This bid item will be paid by Cubic Yard.
- **Base Bid Item No. 12 – $\frac{1}{4}$ Ton Granite Coarse Rock:** Payment under this item shall be for all furnishing of labor, services, tools, equipment, materials, appurtenances, and incidentals required for the installation and placement of four (4) $\frac{1}{4}$ - ton granite coarse rocks per the plans and these specifications. This bid item will be paid per Each.
- **Base Bid Item No. 13 – 5-Gallon Atlas Fescue (Festuca Mairei):** Payment under this item shall be for all furnishing of labor, services, tools, equipment, materials, appurtenances, and incidentals required for the installation, placement, and planting of the Atlas Fescue plant within the central island of the roundabout per plans and specifications. The plant locations shown in plans are not meant to be specific. The City will confer with the Contractor prior to any landscape work and agree on the proper location and the number of plants to place in the central island of the roundabout. This bid item will be paid per Each.
- **Base Bid Item No. 14- 5-Gallon Fortnight Lily (Diets Iridioides):** Payment under this item shall be for all furnishing of labor, services, tools, equipment, materials, appurtenances, and incidentals required for the installation, placement, and planting of the Fortnight Lily plant within the central island of the roundabout per plans and specifications. The plant locations shown in plans are not meant to be specific. The City will confer with the Contractor prior to any landscape work and agree on the proper location and the number of plants to place in the central island of the roundabout. This bid item will be paid per Each.
- **Base Bid Item No. 15 – 1-Gallon New Gold Lantana (Lantana X):** Payment under this item shall be for all furnishing of labor, services, tools, equipment, materials, appurtenances, and incidentals required for the installation, placement, and planting of the New Gold Lantana plant within the central island of the roundabout per plans and specifications. The plant locations shown in plans are not meant to be specific. The City will confer with the Contractor prior to any landscape work and agree on the proper location and the number of plants to place in the central island of the roundabout. This bid item will be paid per Each.

- **Base Bid Item No. 16 – 90-Day Maintenance Period:** Payment under this item shall be for all furnishing of labor, services, tools, equipment, materials, appurtenances, and incidentals required for the maintenance of the landscaping/planting work required during the planting establishment period per the specifications and plans. This bid item will be paid as a Lump Sum, based on percentage of contract work completed.

3.05. Contract Modifications, Contract Price, Contract Time.

1. **Contract Modifications.** The Agency, without invalidating the Contract and without notice to any Surety, may, at any time, require changes in, additions to, or deductions from the work to be performed or materials to be furnished pursuant to the provisions of the Contract. These will be authorized by a Written Amendment, a Contract Change Order (CCO), or a Work Directive Change. Upon approval of any such document, the Contractor shall promptly proceed with the Work involved, which will be performed under the applicable conditions of the Contract Documents (except as otherwise specifically provided).

A 10% contingency may be allowed to increase the project amount via CCO's depending on the scope of the CCO and the overall project budget. This 10% contingency is an aggregate total of all CCO's, not CCO's presented on an individual basis.

The City Council, through the City Manager, may authorize the City Services Director to execute CCO increases so long as they fall within the 10% contingency and there is a nexus to the original scope of work.

For CCO (individual or aggregate) increases that exceed the 10% aggregate contingency and are below 25% increase of the project bid and there is a nexus to the original scope of work, the City Council may approve and authorize the City Manager to execute the CCO.

For CCO's (individual or aggregate) that exceed 25% of the original bid proposal, and there is a nexus to the original scope of work, City Council shall approve and authorize the City Manager to execute a Supplemental Agreement with the Contractor.

Contractor shall not be entitled to an increase in the Contract Price or an extension of the Contract time with respect to any work performed that is not required by the Contract Documents as amended, modified and/or supplemented. The Contractor shall, when required by the Agency, furnish an itemized breakdown of the quantities and prices used in computing the value of any change that might be ordered.

If notice of any change affecting the general scope of the work or provisions of the Contract Documents (including but not limited to, Contract Price or Contract Time) is required, by the provisions of any bond, to be given to a surety, the giving of any such notice will be the Contractors responsibility, and the amount of each applicable bond will be adjusted accordingly.

The Agency and Contractor may execute appropriate Change Orders or Written Amendments covering:

- (a). Changes in the Work which are ordered by the Agency or are agreed to by the Parties;
- (b). Changes in the Contract price or Contract time which are agreed to by the Parties;
- (c). Changes in the Contract price or Contract time which embody the substance of any written decision rendered by the Agency; provided that, in lieu of executing any such Change Order, an appeal may be taken from any such decision in accordance with the provisions of the Contract Documents and applicable laws and regulations, but during any such appeal, Contractor shall carry on the work and adhere to the progress schedule.

2. **Contract Price.** The Contract Price constitutes the total compensation (subject to authorized adjustments) payable to the Contractor for performing the work. All duties, responsibilities, and obligations assigned to or undertaken by the Contractor shall be at his expense without change in the Contract Price.

The Contract Price may only be changed by a Change Order or by a Written Amendment. Any claim for an increase or decrease in the Contract Price shall be based on written notice delivered by the party making the claim to the other party and promptly (but in no event later than thirty days) after the occurrence of the event giving rise to the claim and stating the general nature of the claim. Notice of the amount of the claim with supporting data shall be delivered within sixty days of such occurrence (unless Agency allows an additional period of time to ascertain more accurate data in support of the claim) and shall be accompanied by claimant's written statement that the amount claimed covers all known amounts (direct, indirect, and consequential) to which the claimant is entitled as a result of the occurrence of said event. No claim for an adjustment in the Contract Price will be valid if not submitted in accordance with this Section.

The value of any Work covered by a Change Order or of any claim for an increase or decrease in the Contract Price shall be determined in one of the following methods:

A. **Unit Price.** Where the Work involved is covered by unit prices contained in the Contract Documents, by application of unit prices to the quantities of the items involved;

1. Where the Contract documents provide that all or part of the work is to be unit price work, initially the contract price will be deemed to include for all unit price work an amount equal to the sum of the established unit prices for each separately identified item of unit price work times the estimated quantity of each item as indicated in the Agreement. The estimated quantities of items of unit price work are not guaranteed and are solely for the purpose of comparison of the Bids and determining an initial contract price. Determinations of the actual quantities and classifications of unit price work performed by the Contractor will be made by the Agency.

2. Each unit price will be deemed to include an amount considered by the Contractor to be adequate to cover the Contractor's overhead and profit for each separately identified item.

3. Where the quantity of any item of unit price work performed by the Contractor differs materially and significantly from the estimated quantity of such item indicated in the Agreement and there is no corresponding adjustment with respect to any other item of work and if the Contractor believes that the Contractor has incurred additional expenses as a result thereof, the Contractor may make a claim for an increase in the Contract Price in accordance with this Section if the parties are unable to agree as to the amount of any such increase.

4. In the case of such an increase or decrease in a major unit item, the use of this basis for the adjustment of payment will be limited to that portion of the change, which together with all previous changes to that item, is not in excess of twenty-five percent (25%) of the total cost of such item based on the original quantity and Contract Unit Price.

5. Should any Contract unit item be deleted in its entirety, payment will be made only for actual costs incurred prior to notification of such deletion.

B. **Lump Sum.** By mutual acceptance of a lump sum proposal from the Contractor (which may include an allowance for overhead and profit); or

C. **Force Account.** On the basis of the Cost of the Work (as determined below) plus a Contractor's fee for overhead and profit (as determined below).

Daily force account reports shall be submitted to the Engineer no later than seven (7) days following the performance of said work. The reports shall itemize the materials used, hours and rate of pay of each workman, and the hours and rental rates of each piece of equipment utilized in extra work.

The term "Cost of the Work" means the sum of all costs necessarily incurred and paid by the Contractor in the proper performance of the work. Except as otherwise may be agreed to in writing by the Agency, such costs shall be in amounts no higher than those prevailing in the locality of the Project, shall include only the following items, and shall not include any of the costs itemized in Section 3-05.:

1. Payroll costs for employees in the direct employ of the Contractor in the performance of the Work under schedules of job classifications agreed upon by the Agency and the Contractor. Payroll costs for employees not employed full time on the work shall be apportioned on the basis of their time spent on the Work. Payroll costs shall include, but not be limited to, salaries and wages plus the cost of fringe benefits which shall include social security contributions, unemployment, excise, and payroll taxes, workers or workmen's compensation, health and retirement benefits, bonuses, sick leave, vacation, and holiday pay applicable thereto. Such employees shall include foremen at the site, only in the proportion that the claimed extra work applies to all work of the foreman. The costs of supervisory workers shall be considered part of the overhead as allowed per Section 3-05.2.F., Contractor's Fee. The expenses of performing work after regular working hours, on Sunday, or legal holidays, shall be included in the above to the extent authorized by the Agency.

2. Cost of all materials and equipment furnished and incorporated in the work, including cost of transportation and storage thereof, and Suppliers field services required in connection therewith. All cash discounts shall accrue to the Contractor unless the Agency deposits funds with the Contractor with which to make payments, in which case the cash discounts shall accrue to the Agency.

All trade discounts, rebates, and refunds, and all returns from sale of surplus materials and the Contractor shall accrue to the Agency, and the Contractor shall make provisions so that they may be obtained.

3. Payments made by the Contractor to the subcontractors for work performed by subcontractors. If required by the Agency, the Contractor shall obtain competitive bids from subcontractors acceptable to the Contractor and shall deliver such bids to the Agency who will then determine which bids will be accepted. If a subcontract provides that the subcontractor is to be paid on the basis of cost of the work plus a fee, the subcontractor's cost of the work shall be determined in the same manner as the Contractor's cost of the work. All subcontracts shall be subject to the other provisions of the Contract Documents insofar as applicable.

4. Cost of special consultants (including, but not limited to engineers, architects, testing laboratories, surveyors, attorneys, and accountants) employed for service specifically related to the work except that the cost for special consultants employed for purposes of the prosecution or defense of any claims arising out of the work shall not be included in "Cost of the Work".

D. Supplemental costs including the following:

1. The proportion of necessary transportation, travel, and subsistence expenses of the Contractor's employees incurred in discharge of duties connected with the Work.
2. Cost, including transportation and maintenance, of all materials, supplies, equipment, machinery, appliances, office and temporary facilities at the site, and hand tools not owned by the workers which are consumed in the performance of the Work, and cost less market value of such items used but not consumed which remain the property of the Contractor.

3. Rentals of all construction equipment and machinery and the parts thereof whether rented from the Contractor or others in accordance with rental agreements approved by the Agency, and all costs of transportation, loading, unloading, installation, dismantling, and removal thereof ; all in accordance with terms of said rental agreements. The rental of any such equipment, machinery, or parts shall cease when the use thereof is no longer necessary for the work.
 4. Sales, consumer, use, or similar taxes related to the work and for which the Contractor is liable, imposed by laws and regulations.
 5. Deposits lost for causes other than negligence of the Contractor, any subcontractor or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, and royalty payments and fees for permits and licenses.
 6. Losses and damages (and related expenses), not compensated by insurance or otherwise, to the Work or otherwise sustained by the Contractor in connection with the performance and furnishing of the Work (except losses and damages within the deductible amounts of property insurance established by the Agency for this work.), provided they have resulted from causes other than the negligence or intentional misconduct of the Contractor, any subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable. Such losses shall include settlements made with the written consent and approval of the Agency.
 7. No such losses, damages, and expenses shall be included in the cost of the work for the purpose of determining the Contractor's fee. If, however, any such loss or damage requires reconstruction and the Contractor is placed in charge thereof, the Contractor shall be paid for services a fee proportionate to that.
 8. The cost of utilities, fuel, and sanitary facilities at the site.
 9. Cost of premiums for additional bonds and insurance required because of changes in the work and premiums for property insurance within the deductible amounts established by the Agency.
- E. The term "Cost of the Work" shall not include any of the following:
1. Payroll costs and other compensation of the Contractor's officers, executives, principals (of partnership and sole proprietorships), general managers, engineers, architects, estimators, attorneys, auditors, accountants, purchasing and contracting agents, expeditors, timekeepers, clerks, and other personnel employed by the Contractor whether at the site or in the Contractor's principal or a branch office for general administration of the work and not specifically included in the agreed upon schedule of job classifications referred to in Section 3-05.2.C.1. or specifically covered by Section 3-05.2.C.4. - all of which are to be considered administrative costs covered by the Contractor's Fee.
 2. Expenses of the Contractor's principal and branch offices other than the Contractor's office at the site.
 3. Any part of the Contractor's capital expenses, including interest on the Contractor's capital employed for the work and charges against the Contractor for delinquent payments.
 4. Cost of premiums for all bonds and for all insurance whether or not the Contractor is required by the Contract Documents to purchase and maintain the same (except for the cost of premiums covered by Section 3-05.2.D.9. above).
 5. Costs due to the negligence of the Contractor, any subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable including, but not limited to, the

correction of defective work, disposal of materials or equipment wrongly supplied, and making good any damage to property.

6. Minor expenses such as telegrams, long distance telephone calls, telephone service at the site, expressage, and similar petty cash items in connection with the work.

7. Other overhead or general expense costs of any kind and the costs of any items not specifically and expressly included in Sections 3-05.C. and 3-05.D.

F. Contractor's Fee. The Contractor's Fee allowed to the Contractor for overhead and profit shall be determined as follows:

1. A mutually acceptable fixed fee; or if none can be agreed upon.

2. To the total of the direct costs computed, an allowable markup of 10% for overhead and 5% for profit may be added. The markup shall constitute full compensation for all overhead costs and shall be deemed to include all items of expense and profit. The allowable markup for overhead and profit will be determined according to the work involved and the Contractor's operation. The percentage of markup shall be approved by the Agency.

In case work is performed by a subcontractor, the markup will be added only once to the actual cost of the work, however, the Contractor may add five percent (5%) to the subcontractor price to cover his own overhead and profit.

The amount of credit to be allowed by the Contractor to the Agency for any such change which results in a net decrease in cost shall be the amount of the actual net decrease plus a deduction in the Contractor's fee by an amount equal to ten percent of the net decrease ; and

When both additions and credits are involved in any one change, the adjustment in the Contractor's fee shall be computed on the basis of the net change in accordance with Section 3-05.2.F.

3. Whenever the cost of any Work is to be determined pursuant to Section 3-05.2.E., the Contractor shall submit in form acceptable to the Agency, an itemized cost breakdown together with supporting data.

G. Cash Allowances. It is understood that the Contractor has included in the Contract Price all allowances so named in the Contract Documents and shall cause the Work so covered to be done by such subcontractors or suppliers and for such sums within the limit of the allowances as may be acceptable to the Agency. The Contractor agrees that;

1. The allowances include the cost to the Contractor (less any applicable trade discounts) of materials and equipment required by the allowances to be delivered at the site, and all applicable taxes; and

2. The Contractor's cost for unloading and handling on the site, labor, installation, costs, overhead, profit, and other expenses contemplated for the allowances have been included in the Contract Price and not in the allowances. No demand for additional payment on account of any thereof will be valid.

Prior to final payment, an appropriate Change Order will be issued as recommended by the Agency to reflect actual amounts due the Contractor on account of work covered by allowances, and Contract Price shall be correspondingly adjusted.

3. Contract Time. The Contract Time may only be changed by a Change Order or a Written Amendment. Any claim for an extension or shortening of the Contract Time shall be based on written notice delivered by the party making the claim to the other party promptly (but in no case later than thirty days) after the occurrence of the event giving rise to the claim and stating the general nature of the claim. Notice of the extent of the claim with supporting data shall be delivered within sixty days of such occurrence (unless Agency allows an additional period of time to ascertain more accurate data in support of the claim) and shall be accompanied by the claimant's written statement that the adjustment claimed is the entire adjustment to which claimant has reason to believe it is entitled as a result of the occurrence of said event. No claim for adjustment in Contract Time will be valid if not submitted in accordance with the requirements of this Section, 3-05.3.

The Contract Time will be extended in an amount equal to time lost due to delays beyond the control of the Contractor if a claim is made therefore as provided in Section 3-05.3. Such delays shall include, but not be limited to, acts or neglect by the Agency or others performing additional work, or to fires, floods, labor disputes, epidemics, abnormal weather conditions, or acts of God.

All time limits stated in the Contract Documents are of the essence of the Agreement. The provisions of this Section 3-05.3. shall not permit recovery for damages (including but not limited to fees and charges of engineers, architects, attorneys, and other professionals and court and arbitration costs) for delay by either party otherwise excluded by Section 3-05.2.C.4..

3-06. Authority of Engineer.

In these Specifications or in other contract documents where these Specifications govern, the term Engineer shall mean the City of Lindsay Engineer.

The work shall be done under the direction of the Engineer, and the materials used shall comply with these Specifications and to be to the satisfaction of the Engineer. The Engineer shall have authority to stop the work, reject any work or materials which do not conform to the contract documents, direct the application of forces to such portion of the work as in his judgment is required, order the force increased or diminished, direct the sequence of the work and to decide questions which arise in the execution of the work. All work under this contract shall be done under the direction and to the satisfaction of the Engineer.

3-07. Materials Furnished by Agency.

Materials and equipment to be furnished by the Agency will be supplied in accordance with the applicable portions of the Technical Provisions.

3-08. Access to Work.

The City, its inspectors, agents and other employees, shall at all times and for any purpose have access to the work and the premises used by the Contractor, and the Contractor shall provide safe and proper facilities therefore. Furthermore, the City, its inspectors and agents shall, at all times, have immediate access to all places of manufacture where machinery or materials are being manufactured, produced or fabricated for use under these Specifications, and shall have sole discretion for determining whether such machinery or materials are being made strictly in accordance with the Specifications. The Contractor shall, whenever so requested, give the Engineer access to the proper invoices, bills of lading, etc., and shall provide scales and assistance for weighing, or assistance for measuring any of the materials.

3-09. Shutdown.

Shutdown periods for existing facilities shall not be necessary for this project.

3-10. Land Survey Monuments.

Land Survey monuments and property marks shall not be moved or otherwise disturbed by the Contractor until an authorized agent of the agency having jurisdiction over the land monuments or property, marks the setting, witnesses or otherwise references their location, and only then as directed by the Engineer.

3-11. Disposal Area.

The Contractor shall use the nearest approved solid waste disposal facility for the disposal of surplus construction material from the work. It is required that any asphalt or concrete excavated from this project shall be taken to an approved recycling center.

3-12. Compaction Tests.

All compaction tests required in accordance with these Specifications will be paid by the City. The cost of repeated compaction tests due to failure of the original test will be charged to the Contractor, at the rate of \$50.00 per retest (as required).

3-13. Permits, City Licenses.

The Contractor shall be required to obtain an encroachment permit as follows:

- a. Encroachment Permit, General. The Contractor shall obtain an encroachment permit from the City of Lindsay Department of City Services, 150 North Mirage, Lindsay, California, before performing any work in public right-of-way areas. Permit fees shall be the responsibility of the Contractor.
- b. Application. Requirements for application of an encroachment permit include:
 1. Commercial General Liability and Automobile Liability insurance documentation as required under the General Conditions.
 2. A surety bond in a form acceptable to City of Lindsay for an amount not less than that specified by the City.
 3. A completed application for encroachment permit signed by the Contractor.
 4. Two (2) sets of Plans and Specifications (provided by the City).
- c. Processing. The Contractor shall provide for the requirements listed in 1. and 2. and shall furnish to the City necessary forms filled with the information pertaining to the Contractor for the requirements listed in 3. The Contractor will furnish the Plans and Specifications to the City of Lindsay Permit Office and will fill in the information pertaining to the City and the project on the forms furnished by the Contractor. Such forms, when filled in by the Agency, will be returned to the Contractor for further processing by the Contractor.
- d. Requirements. The encroachment permit issued by City of Lindsay will contain conditions and requirements. The Contractor shall observe such conditions and requirements. These include:

1. Traffic control, signs, and safety procedures shall follow the provisions of the Traffic Control Manual of the State of California, Business and Transportation Agency, Department of Transportation;
2. Trenches shall be backfilled after the end of work each day;
3. During the performance of work there shall be at least one lane open to traffic and after the end of work each day there shall be at least two lanes open to traffic ; and
4. City Inspector shall be allowed access to the work and shall be allowed to perform such tests as the City Inspectors deem necessary to assure that the work is being performed in conformance with city requirements.

e. City Business License, General. The Contractor shall obtain a City of Lindsay business license from the City of Lindsay Finance Department, 251 East Honolulu, Lindsay, California, before performing any work. License fees shall be the responsibility of the Contractor. This shall pertain to all subcontractors on this project also.

3-14. Contracts with Subcontractors.

Contracts with subcontractors must contain excerpts from “Labor Standards - Instructions”.

The Contractor may utilize the services of special subcontractors on those parts of the work which, under normal contracting practices, are performed by specialty subcontractors. The Contractor shall not award work to subcontractor(s), which, in the aggregate, exceeds fifty percent (50%) of the contract price, unless specifically specified in the bid documents.

The Contractor shall be fully responsible to the City for the acts and omissions of its subcontractors, and of persons either directly or indirectly employed by them, as the Contractor is for the acts and omissions of persons directly employed by it.

The Contractor shall cause appropriate provisions to be inserted in all subcontracts relative to the work to bind subcontractors to the Contractor by the terms of the contract documents insofar as applicable to the work of subcontractors and give the Contractor the same power as regards terminating any subcontract that the City may exercise over the Contractor under any provision of the Contract Documents.

Nothing contained in this contract shall create contractual relations between any subcontractor and the City.

3-15. Claims and Disputes Resolution.

a. Time Limits on Claims. Claims by Contractor must be made within 7 days after occurrence of the event giving rise to such claim, except that claims made due to delay or hindrances which Contractor claims was caused by the City shall be made within 10 days after occurrence of the event giving rise to such claim. Claims must be made by written notice. Failure to make such claim in writing in the time set forth herein shall bar Contractor from recourse for such claim. All claims must be filed on or before the payment date of Final Payment.

b. Claims for Additional Costs.

1. If Contractor wishes to make a claim for an increase in the Contract Price, he shall give the Agency written notice thereof within the time set forth in Paragraph a. above. This notice shall be given by the Contractor before proceeding to execute the work, except in an emergency endangering life or property

in which case the Contractor shall, as soon as possible, advise Agency of his intent to do the Work. Approval of additional costs shall occur at the Agency's sole discretion.

2. Increases in Contract Price due to claims shall be calculated based on the force account method detailed in paragraph 3-05.

3. Under no circumstances shall Contractor recover any administrative overhead costs or recover on the basis of any "Home Office" damages formula, "Total Cost" recovery formula, or any other such formula.

c. Claims for Additional Time.

1. If the Contractor wishes to make claim for an increase in the Contract Time, written notice as provided herein shall be given. The Contractor's claim shall include an estimate probable effect of delay on progress of the Work. In the case of a continuing delay only one claim is necessary. Approval for a request to extend the Contract shall occur at the Agency's sole discretion.

2. If adverse weather conditions are the basis for a claim for additional time, such claim shall be documented by data substantiating that weather conditions were abnormal for the period of time and could not have been reasonably anticipated, and that weather conditions had an adverse effect on the scheduled construction.

3. The Agency shall not be liable for any damages on account of any reasonable delay or hindrance of others.

However, Contractor shall be entitled to an extension of time for any delay or hindrance caused by the Agency. Any delay or hindrance by the Agency which is unreasonable and not within the contemplation of the parties may subject the Agency to a claim for damages. Contractor shall make any claims in writing within the time set forth in Paragraph a., above, for any unreasonable delay or hindrance caused by the Agency, and specifying the cause thereof as required in paragraph d., below.

d. Submittal of Claims. Any disputes relating to this contract, or its breach, which is not imposed on by agreement shall be promptly submitted as a claim to and decided by the Agency's representative who shall issue a written decision on the dispute. Claims shall be submitted by the Contractor to the Agency's Representative with adequate supporting data and include a demand for the Agency's Representative's decision. Adequate supporting data shall include, but is not limited to: a statement of the reasons for the asserted entitlement, the certified payroll, invoice for material and equipment rental, and an itemized breakdown of any adjustment sought.

e. Submission Under Penalty of Perjury. The Contractor shall certify, at the time of submission of a claims, as follows: "I certify under penalty of perjury under the laws of the State of California, that the claim is made in good faith, that the supporting data are accurate reflects the adjustments for which the City is liable."

By: _____
(Contractor's signature)

f. Continue Work During Dispute. In the event of any dispute between the Agency and the Contractor, the Contractor will not stop work, but will prosecute the work diligently to completion directed by the Agency, and the dispute shall be resolved by a court of law after completion of work. However, all disputes must be submitted by Contractor in accordance with the provisions of Section 3-15.

g. Agency's Review of Claim. The Agency's Representative shall review the facts pertinent to the claim, secure assistance from legal and other advisors, coordinate with the contract administrators, and within the time stipulated in paragraph h. below, render a written decision on the claim. A copy of the decision shall be furnished to the Contractor by certified mail, return receipt requested, or any other method that provides

evidence of receipt. The decision of the Agency's Representative shall be final and conclusive except as is otherwise provided herein.

h. Requirement for Filing a Claim. For any claim subject to this Article, the following requirement applies: the claim shall be in writing and include the documents necessary to substantiate the claim. Claims must be filed on or before the date of final payment. Nothing in this subdivision is intended to extend the time limit or supersede notice requirements otherwise provided by contract for a filing of claims.

1. For claims of less than fifty thousand dollars (\$50,000), the Agency shall respond in writing to any written claim within 45 days of receipt of the claim, or may request, in writing, within 30 days of receipt of the claim, any additional documentation supporting the claims or relating to defenses or claims the Agency may have against the claimant. If additional information is hereafter required, it shall be requested and provided pursuant to this subdivision, or, alternatively, upon mutual agreement of the Agency and claimant. The Agency's written response to the claim, as further documented, shall be submitted to the claimant within 15 days after receipt of the further documentation or within a period of time no greater than that taken by the claimant in producing the additional information, whichever is greater.

2. For claims of over fifty thousand dollars (\$50,000) and less than or equal to three hundred seventy-five thousand dollars (\$375,000), the Agency shall respond in writing to all written claims within 60 days of receipt of the claim, or may request, in writing, within 30 days of receipt of the claim, any additional documentation supporting the claim or relating to defenses or claims the Agency may have against the claimant. If additional information is thereafter required, it shall be requested and provided pursuant to this subdivision, or, alternatively, upon mutual agreement of the Agency and the claimant. The Agency's written response to the claim, as further documented, shall be submitted to the claimant within 30 days after receipt of the further document, or a period of time no greater than that taken by the claimant in producing the additional information or requested documentation, whichever is greater.

3. If the claimant disputes the Agency's written response, or the Agency fails to respond within the time prescribed, the claimant may so notify the Agency, in writing, either within 15 days of receipt of the Agency's failure to respond within the time prescribed, respectively, and demand an informal conference to meet and confer for settlement of the issues in dispute. Upon demand, the Agency shall schedule a meet and confer conference within 30 days for settlement of the dispute.

4. If following the meet and confer conference the claim or any portion remains in dispute, the claimant may file a claim pursuant to Part 3, Chapter 1, Article 1.5, commencing with Section 20104, et seq. of the Public Contract Code. For purposes of those provisions, the running of the period of time within which a claim must be filed shall be tolled from the time the claimant submits his or her written claim pursuant to subdivision (a) until the time the claim is denied, including any period of time utilized by the meet and confer conference.

i. Claims Exempt from Review. The procedures and remedies provided in Section 3-15 do not apply to:

1. Any claims by the Agency;
2. Any claim for or respecting personal injury or death or reimbursement or other compensation arising of or resulting from liability for personal injury or death;
3. Any claim or dispute relating to stop payment requests or stop notices;

4. Any claim related to the approval, refusal to approval, refusal to approve, or substitution of subcontractors, regardless to tier, and suppliers.

j. Procedure to Resolve Civil Claims. The Agency and claimant shall follow procedures established for all civil actions filed to resolve claims pursuant to Section 20104.4 of the Public Contract Code.

k. Payment of Undisputed Portion of Claim; Interest on Arbitration Award or Judgment:

1. Agency shall pay claimant such portion of a claim which is undisputed except as otherwise provided in the contract.

2. In any suit filed under Section 20104.4, of the Public Contract Code, the Agency, if applicable, shall be liable for interest at 7% per annum. The interest shall begin to accrue on the date the judgment is filed in a court of law.

l. Suit in Tulare County Only. Any litigation arising out to this Contract shall be brought in Tulare County and Contractor hereby waives the removal provisions of California Code of Civil Procedure Section 394.

3-16. Protection of Existing Facilities.

The Contractor shall be responsible for any loss or damage that may occur to any of the existing facilities or to any new materials or equipment stored at the site of the work, during the life of the contract.

3-17. Protection of Persons and Property.

The Contractor shall adopt every practical means and comply with all laws, ordinances, and regulations in order to minimize interferences to traffic, and inconveniences, discomfort and damage to the public, including the provision of adequate dust control measures. All obstructions to traffic shall be guarded.

The Contractor shall not trespass upon private property and shall be responsible for all injury or damage to persons or property, directly or indirectly, resulting from his operations in completing this work. He shall comply with the laws and regulations of the Agency, County and State, relating to the safety of persons and property, and will be held responsible and required to make good any injury or damage to persons or property caused by carelessness or neglect on the part of the Contractor or subcontractors, or any agent or employee of either during the progress of the work and until its final acceptance.

The Contractor shall protect against injury to any pipes conduits, electrical conduits, lawns, gardens, shrubbery, trees, fences, or other structures or property, public and/or private, encountered in this work except as stipulated elsewhere herein. The Contractor shall be responsible and liable for any injury to such pipe, structures, and property.

3-18. Cultural Resources.

In accordance with the Nation Historic Preservation Act of 1966, (16 U.S.C.470) and PRM 75-27, the following procedures are implemented to insure historic preservation and fair compensation to the Contractor for delays attendant to cultural resources investigations.

In the event potential Historical, Architectural, Archaeological, or Cultural Resources (hereinafter collectively "cultural resources") are discovered during subsurface excavations at the site of construction, the following procedures shall be instituted:

1. The Engineer shall issue a "Stop Work Order" directing the Contractor to cease all construction operations at the location of such potential cultural resources find.

2. Such “Stop Work Order” shall be effective until such time as a qualified archaeologist can be called to assess the value of these potential cultural resources and make recommendations to the Engineer. Any “Stop Work Order” shall contain the following:

- a. A clear description of the work to be suspended;
- b. Any instructions regarding issuance of further orders by the Contractor for material services;
- c. Guidance as to action to be taken on subcontractors;
- d. Any suggestions to the Contractor as to minimization of his costs;
- e. Estimated duration of the temporary suspension.

If the archaeologist determines that the potential find is a bonafide cultural resource, the Engineer shall extend the duration of the “Stop Work Order” in writing, and the Contractor shall suspend work at the location of the find.

Equitable adjustment of the construction contract shall be made in the following manner:

1. Time Extension. If the work temporarily suspended is on the “critical path”, the total number of days for which the suspension is in effect shall be added to the number of allowable contract days.

3-19. Taxes.

All bid prices shall include an allowance for all applicable taxes.

3-20. Examination of Specifications and Site of Work. The Bidder is required to examine the site of work, the proposal, the Plans and Specifications very carefully. He shall satisfy himself as to the character and quantities of the work to be performed, the materials to be furnished and the requirements of the contract documents. It is not to be inferred that all of the conditions as shown on the Plans are actually existent, nor shall the Agency or any of its officers be liable for any loss sustained by the Contractor as a result of any variance between conditions shown on the Plans and actual conditions revealed during examination or progress of the work. The submission of a proposal shall be prima facie evidence that the Bidder has made such an examination.

3-21. State Nondiscrimination Clause.

- a. During the performance of this contract, Contractor and its subcontractors shall not lawfully discriminate against any employee or applicant for employment because of race, religion, color, national origin, ancestry, physical handicap, medical condition, marital status, age (over 40), or sex. Contractors and subcontractors shall ensure that the evaluation and treatment of their employees and applicants for employment are free of such discrimination. Contractors and subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Government Code Section 12900 et seq.) and the applicable regulations promulgated thereunder (California Administrative Code, Title 2, Section 728.5.0 et seq).

The applicable regulations of the Fair Employment and Housing Commission implementing Government Code Section 12990, et. seq., set forth in Chapter 5 of Division 4 of Title 2 of the California Administrative Code, are incorporated into this contract by reference and made a part hereof as if set forth in full.

Contractor and its subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreement.

- b. This Contract shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under the contract.

3-22. Critical Path and Traffic Control.

The selected Contractor shall develop a critical path schedule and traffic control plan for this project. Said schedules and plans shall be submitted to the Engineer for approval prior to beginning any work. The critical path schedule shall detail the individual phases and shall be date specific (start and finish dates). The traffic control plan shall be developed in accordance with "State of California Manual of Traffic Controls", latest approved edition. Said plan shall be prepared in plan view showing location and type of traffic control signs used. Local traffic shall be permitted within all work zones during the course of this project. The required critical path and traffic control plan shall provide minimum disruption of local residents. The work plan shall provide access to properties by an acceptable means at the end of each work day.

3-23. Air Pollution Control.

The Contractor shall refer to the Technical Provisions for a listing of the total land disturbance area associated with the project. For all projects, the Contractor shall comply with State air pollution control rules, regulations, ordinances and statutes which apply to any work performed pursuant to the contract, including any air pollution control rules, regulations, ordinances and statutes, specified in Section 11017 of the Government Code. The Contractor shall also comply with all of the requirements of Regulation VIII of the San Joaquin Valley Air Pollution Control District (APCD). It will be the Contractor's responsibility to contact the APCD to determine the requirements of said Regulation and any costs related to compliance therewith. All costs for compliance, including any permit fees, shall be included in the various items of work; no separate or additional payment will be made therefor.

For Public projects, in addition to the foregoing requirements, for projects specified in the Contract Specifications to be subject to Rule 9510 of the APCD, the Contractor shall, before submitting a bid, contact the APCD and determine the project-specific requirements of said Rule. Any project-specific permit fee will be paid by the City. All other costs for compliance with the Rule 9510 requirements, including submittal of all required documentation during the life of the project, shall be included in the various items of work. No separate or additional payment will be made therefor.

For Non-Public projects, the individual, group, or entity that owns the project will be responsible for all costs associated in complying with APCD Rule 9510.

3-24. Water Pollution Prevention.

The work for which a Contract is awarded is subject to the provisions and requirements of the State General Construction Activity Storm Water Permit (General Construction Permit). The Contractor shall be responsible for complying with all current General Construction Permit requirements, as adopted and enforced by the State Water Resources Control Board (SWRCB) including any future revisions to that permit. The Contractor shall indemnify and hold harmless the City for failure to comply with any provision or requirement of the General Construction Permit.

The Contractor shall exercise every reasonable precaution and shall conduct and schedule operations so as to protect all storm drain systems, storm water retention/detention basins, irrigation canals, or natural streams located within, adjacent to, or in any way connected with, the project from pollution with mud, silt, fuels, oils, bitumen's, calcium chloride, pesticides, herbicides, and any other harmful materials. The Contractor shall conduct water pollution prevention on all contracts awarded by the City as required by this Section.

**SECTION FOUR
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TECHNCAL PROVISIONS

SECTION 01010 SUMMARY OF WORK

PART 1: GENERAL

1.1 - Description

- A. The work to be performed under this Contract consists of furnishing all labor, materials, tools, and equipment to construct, complete and in place, landscape and irrigation system improvements for the City of Lindsay, as shown in the Plans and specified herein.

The work shall include, but not be limited to, placement of artificial turf, ground cover and irrigation system improvements installation. Work shall also include clearing and grubbing, earthwork, and traffic control necessary to facilitate the installation of the aforementioned improvements.

The work to be done consists of the furnishing by the Contractor of all labor, materials, equipment, and other facilities necessary in the performance of the work. The Contractor shall perform any work which is not detailed in the Plans and Specifications, but which is obviously required to make the project complete and operable. Questions regarding the intent of the Plans and Specifications shall be referred to the Engineer whose decisions thereon shall be final.

Some information pertaining to subsurface and other conditions which may affect the cost of performing the work may be shown in the Plans and Specifications. While it is believed that any such information provided is reasonably correct, the Engineer does not warrant either the completeness or accuracy of such information. The Contractor is responsible for ascertaining the existence of all subsurface and other conditions affecting his cost of doing the work as may be disclosed by a reasonable examination of the site.

- B. All work will be performed under a single contract.

- C. Description of Bid Items:

- **Base Bid Item No. 1 – Mobilization and Demobilization:** Work under this item shall include the preparatory and cleanup labor operations including, but not limited to, those required for the movement of personnel, equipment, materials, tools, appurtenances, and incidentals to and from the project site along with those required for maintaining the project site in a safe and orderly manner during construction, and as indicated in Section 01016 of these Technical Provisions. This item also includes the cost incurred for securing bonds, insurance, and financing prior to beginning work.
- **Base Bid Item No. 2 – Prepare and Maintain Pedestrian and Traffic Control Plan(s):** Work under this item shall include, but not limited to, compensation for the personnel, labor, equipment, materials, tools, appurtenances, and incidentals needed for providing temporary traffic delineation, construction area signs, and other equipment required to perform vehicle and pedestrian traffic control in accordance with Sections 01150, 01155, and 01170 of these

Technical Provisions and the Plans.

- **Base Bid Item No. 3 – Clearing, Grubbing, Grading at Roundabout:** Work under this item shall include, but not limited to, compensation for the personnel, labor, equipment, materials, tools, appurtenances, and incidentals necessary for performing all work at the Roundabout to the lines and limits shown in the plans and in accordance with Sections 01060, 02110, and 02210 of these Technical Provisions including excavation, grading operations, compacting, backfilling, testing, exporting, soil preparation, erosion control, dust control, sedimentation control, and use of Best Management Practices (BMPs) per City and County Standards.
- **Base Bid Item No. 4 – Placement of Imported Topsoil at Roundabout:** Work under this item shall include, but not limited to, compensation for the personnel, labor, equipment, materials, tools, appurtenances, and incidentals necessary for performing all work necessary for importing and placing a 24” thick layer of topsoil per plans and in accordance with Sections 01060, 01100, 01300, 02210, and 02220 of these Technical Provisions including excavation, grading operations, compacting, backfilling, testing, exporting, soil preparation, erosion control, dust control, sedimentation control, and use of Best Management Practices (BMPs) per City and County Standards.
- **Base Bid Item No. 5 – Clearing, Grubbing, Grading at Median Islands & Street Returns:** Work under this item shall include, but not limited to, compensation for the personnel, labor, equipment, materials, tools, appurtenances, and incidentals necessary for performing all work at the median islands and adjacent street returns to the lines and limits shown in the plans and in accordance with Sections 01060, 02110, and 02210 of these Technical Provisions including excavation, grading operations, compacting, backfilling, testing, exporting, soil preparation, erosion control, dust control, sedimentation control, and use of Best Management Practices (BMPs) per City and County Standards.
- **Base Bid Item No. 6 – Irrigation System:** Work under this item shall include, but not limited to, compensation for the personnel, labor, equipment, materials, tools, appurtenances, and incidentals necessary for the installation of a full irrigation system per the Irrigation Plans and these specifications.
- **Base Bid Item No. 7 – Decomposed Granite Bedding Under Artificial Turf:** Work under this item shall include, but not limited to, compensation for the personnel, labor, equipment, materials, tools, appurtenances, and incidentals necessary for the installation of a 2” thick layer of decomposed granite under the artificial turf areas per plans and in accordance with Sections 01060, 01100, and 02210 of these Technical Provisions including compaction, grading, exporting, excavation, watering, and all other work and materials necessary to complete the decomposed granite work.
- **Base Bid Item No. 8: Artificial Turf:** Work under this item shall include, but not limited to, compensation for the personnel, labor, equipment, materials, tools, appurtenances, and incidentals necessary for the installation of artificial turf as identified in the plans and specifications to the lines and limits shown. The installation of artificial turf shall be per the Manufacturer’s recommendation and shall include the necessary hardware and methodology needed to properly anchor the newly laid artificial turf.
- **Base Bid Item No. 9 – Ground Level Flood Lights:** Work under this item shall include, but not limited to, compensation for the personnel, labor, equipment, materials, tools, appurtenances, and

incidentals necessary for the complete installation of six (6) ground level flood lights, included but not limited to, the connection the power source, all necessary wiring, installation of 1" PVC sleeves, anchoring of lights, and all necessary work for the installation of the ground lights per the plans and specifications. This bid item will be paid per Each.

- **Base Bid Item No. 10 – 5-Gallon Fruitless “Majestic Beauty” Olive Tree:** Work under this item shall include, but not limited to, compensation for the personnel, labor, equipment, materials, tools, appurtenances, and incidentals necessary for the installation of three (3) 5- gallon fruitless “Majestic Beauty” olive trees per the locations shown on the plans.
- **Base Bid Item No. 11 – Gravel Rock Mulch:** Work under this item shall include, but not limited to, compensation for the personnel, labor, equipment, materials, tools, appurtenances, and incidentals necessary for the installation and placement of a 2” layer of 3/4” crushed rock in the “harvest gold” color to the lines and limits shown on plans within the central island of the roundabout. The gravel rock mulch shall be spread evenly to a depth of 2” across the central island of the roundabout. Contractor shall submit samples to the City for review and approval prior to ordering.
- **Base Bid Item No. 12 – ¼ Ton Granite Coarse Rock:** Work under this item shall include, but not limited to, compensation for the personnel, labor, equipment, materials, tools, appurtenances, and incidentals necessary for the installation and placement of four (4) ¼- ton granite course rocks per the plans and these specifications. Contractor shall provide photos and source location of representative rocks for City review and approval prior to the purchase and placement of the material.
- **Base Bid Item No. 13 – 5-Gallon Atlas Fescue (Festuca Mairei):** Work under this item shall include, but not limited to, compensation for the personnel, labor, equipment, materials, tools, appurtenances, and incidentals necessary for the installation, placement, and planting of the Atlas Fescue plant within the central island of the roundabout per plans and specifications. The plant locations shown in plans are not meant to be specific. The City will confer with the Contractor prior to any landscape work and agree on the proper location and the number of plants to place in the central island of the roundabout. Prior to the purchase of the Atlas Fescue, the Contractor shall provide the name and location of the supplier and shall provide a representative sample for the City to review and approve.
- **Base Bid Item No. 14 – 5-Gallon Fortnight Lily (Dietes Iridioides):** Work under this item shall include, but not limited to, compensation for the personnel, labor, equipment, materials, tools, appurtenances, and incidentals necessary for the installation, placement, and planting of the Fortnight Lily plant within the central island of the roundabout per plans and specifications. The plant locations shown in plans are not meant to be specific. The City will confer with the Contractor prior to any landscape work and agree on the proper location and the number of plants to place in the central island of the roundabout. Prior to the purchase of the Fortnight Lily, the Contractor shall provide the name and location of the supplier and shall provide a representative sample for the City to review and approve.
- **Base Bid Item No. 15 – 1-Gallon New Gold Lantana (Lantana X):** Work under this item shall include, but not limited to, compensation for the personnel, labor, equipment, materials, tools, appurtenances, and incidentals necessary for the installation, placement, and planting of the New Gold Lantana plant within the central island of the roundabout per plans and specifications. The

plant locations shown in plans are not meant to be specific. The City will confer with the Contractor prior to any landscape work and agree on the proper location and the number of plants to place in the central island of the roundabout. Prior to the purchase of the New Gold Lantana, the Contractor shall provide the name and location of the supplier and shall provide a representative sample for the City to review and approve.

- **Base Bid Item No. 16 – 90-Day Maintenance Period:** Work under this item shall include, but not limited to, compensation for the personnel, labor, equipment, materials, tools, appurtenances, and incidentals necessary for the maintenance of the landscaping/planting work required during the planting establishment period per the specifications and plans. After all plants have been installed, the City will make a preliminary observation. Upon preliminary observation and approval of the work, the ninety (90)-day calendar day maintenance period will begin. If any plants or work are not approved, immediate replacement and/or repair will be made and regular maintenance then continued for ninety (90) days after replacement. Further detail of the work includes:
 - a. Provide all necessary maintenance during the specified maintenance period, including but not limited to, watering, weeding, replanting, fertilizer, treatment of disease and pests, and protection from rodents.
 - b. Check all tree ties and adjust if too tight or too loose.
 - c. Provide supplementary watering for trees and one-month intervals using a slow trickling water hose.
 - d. Replace any plants not in a healthy and thriving condition.
 - e. Keep the central island area in good repair and free of weeds.
 - f. Plants blown over shall be replanted and re-staked or replaced if damaged.
 - g. Prune only to remove broken twigs, unbalanced branching conditions or suckers.

END OF SECTION

**SECTION 01016
MOBILIZATION**

PART 1: GENERAL

1.1 - Preparatory Work

- A. Mobilization conforming to the Caltrans Standard Specifications shall consist of preparatory work and operations including, but not limited to, those necessary for the movement of personnel, equipment, supplies, and incidentals to the project site; for the establishment of onsite and/or offsite secured equipment and materials storage areas, demobilization, and other facilities necessary for work on the project; and for all other work and operations which must be performed or costs incurred prior to beginning work on the various contract items on the project site.

The Agency will pay no greater than five percent (5%) of the total contract price as a separate pay item for mobilization. In the event the Contractor submits a mobilization pay item greater than five percent (5%) of the total contract price, the Agency will pay any excess mobilization amount with the final progress payment.

1.2 - Permits

- A. Mobilization shall also consist of obtaining all necessary permits, bonds, and licenses from agencies including, but not limited to, the State of California, and payment of all fees needed for all work shown in the Plans and Specifications and as directed by the Engineer.

PART 2: MATERIALS

NOT USED

PART 3: EXECUTION

NOT USED

PART 4: MEASUREMENT AND PAYMENT

4.1 - Mobilization

- A. Payments for Mobilization and Demobilization shall be in compliance with Section 9-1.16D “Payment” of the Caltrans Standard Specifications except that no payment for mobilization, partial or otherwise, shall be made until the Contractor has secured all necessary permits, bonds, and licenses and has paid all applicable fees.

The Contractor’s lump sum price paid for Mobilization and Demobilization shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in mobilization and demobilization as specified herein.

END OF SECTION

**SECTION 01020
WORK BY OTHERS**

PART 1: GENERAL

1.1 - Work By Others

- A. The City, or other Contractors, or utilities may be working within the project area while this work is in progress. The Contractor shall schedule the work in conjunction with such other organizations to minimize mutual interference.

1.2 - Responsibility For Performance By Others

- A. If any part of the work depends, for proper execution or results, upon the performance by others, the Contractor shall inspect and promptly report to the Engineer any apparent discrepancies or defects in such performance that render it unsuitable for such proper execution or result of the work. Failure of the Contractor to so inspect and report shall constitute an acceptance of the performance by others as fit and proper for the work except as to defects which may develop in the performance by others after execution of the work.

PART 2: MATERIALS

NOT USED

PART 3: EXECUTION

NOT USED

PART 4: MEASUREMENT AND PAYMENT

4.1 - Payment

- A. Full compensation for conforming to the requirements of this Section shall be considered as being included in the total Contract price, and no additional compensation shall be made therefor.

END OF SECTION

**SECTION 01030
COORDINATION OF WORK**

PART 1: GENERAL

1.1 - Coordination Of Work

- A. The Contractor shall be responsible for maintaining overall coordination of the work. Based on the general contract Construction Schedule prepared in accordance with these Specifications, the Contractor shall obtain from each subcontractor, including the private utility companies, Spectrum, Southern California Gas Company, AT&T, Frontier, Southern California Gas Company (SoCalGas), a similar schedule and shall be responsible for all parties maintaining these schedules or for coordinating changes necessitated in order to meet the specified time of completion of the work.

PART 2: MATERIALS

NOT USED

PART 3: EXECUTION

NOT USED

PART 4: MEASUREMENT AND PAYMENT

4.1 - Payment

- A. Full compensation for conforming to the requirements of this Section shall be considered as being included in the total Contract price, and no additional compensation shall be made therefor.

END OF SECTION

**SECTION 01050
CONSTRUCTION SCHEDULE**

PART 1: GENERAL

1.1 - Cost Loaded Construction Schedule

- A. As a condition of award during the period after the opening of bids and prior to actual award of the project by the City, the apparent low bidder shall prepare a detailed cost-loaded Construction Schedule as set forth in this Section. The costs shall be developed by category from the Bid Schedule of the Specifications with a schedule of values itemization to clarify lump sum items. This schedule shall essentially be the same as the final project Construction Schedule required to be submitted and maintained for this project. The Construction Schedule shall indicate the time of starting and completion of each major structure or phase of the project and such intermediate phases as will serve for well-defined control points. These phases and control points shall be placed in chronological order on the Construction Schedule. The schedule shall also indicate the anticipated date of receipt of major items of equipment, and all items of equipment receipt and installation of which is critical to the scheduled progress of the project.

1.2 - Post-Bid Pre-Award Construction Schedule

- A. Within five (5) calendar days after bid date, the apparent low bidder shall designate in writing, an authorized representative in its firm who will be responsible for the preparation of the post-bid pre- award Construction Schedule as set forth in this Section.

1.3 - Authority of Apparent Low Bidder's Representative

- A. The apparent low bidder's representative shall have the authority to act on behalf of the Contractor in fulfilling the requirements of preparing the schedule in a professional and acceptable manner demonstrating competence in use of the Construction Schedule including scheduling experience on project of similar value and complexity.

1.4 - Completion of Schedule Preparation

- A. After fulfilling the requirements above, the apparent low bidder's representative shall, in a coordinated effort with the Engineer, complete the preparation of the schedule within five (5) calendar days after the five- (5-) day period noted above. The schedule shall include cost allocations for all the component activities which make up a phase of work.

1.5 - Modifications to Schedule

- A. After the award and Notice to Proceed have been issued for the work, the Engineer will return the post-bid pre-award Construction Schedule to the Contractor within five (5) calendar days from award of the Contract. The Contractor shall modify the schedule to include any modifications or changes resulting from final phasing and scheduling of work items or control points.

The Contractor shall complete these modifications within five (5) calendar days from date the schedule is returned to him and shall resubmit it to the Engineer for review and acceptance as the project Construction Schedule to be used during the course of construction. Upon receiving written notice from the Engineer that the schedule, as revised, has been accepted, it will then

become the initial approved project Construction Schedule by which the Contractor shall construct the reporting revision and updating procedures set forth in these Specifications to be implemented during the course of construction.

1.6 - Changes

- A. The Construction Schedule as submitted in this form shall contain no contract changes or delays which may have occurred during the interim submittal period. Changes shall be entered at the first update revision as specified for progress reporting and updating in these Specifications.

1.7 - Delays

- A. If the Contractor's progress has fallen behind the approved Construction Schedule, the Contractor shall take such steps as may be required, including, but not limited to, increasing the number of personnel, shifts, overtime operations, days of work, and amount of construction equipment until such time as the work is back on schedule. He shall also submit for approval no later than the time of submittal of the next request for partial payment, such supplementary schedule or schedules as may be deemed necessary to demonstrate the manner in which the approved rate of progress will be regained, all without additional cost to the City.

PART 2: MATERIALS

NOT USED

PART 3: EXECUTION

3.1 - General Order of Work

- A. The Contractor's construction schedule shall incorporate an order of work that will permit construction of the new sanitary lift station and demolition of the existing sanitary lift station while maintaining continuous sewer flow and pumping at the project site. See Section 02120 for additional requirements.

PART 4: MEASUREMENT AND PAYMENT

4.1 - Payment

- A. Full compensation for conforming to the requirements of this Section shall be considered as being included in the total Contract price, and no additional compensation shall be made therefor.

END OF SECTION

**SECTION 01060
LINES AND GRADES**

PART 1: GENERAL

1.1 - Horizontal and Vertical Control Provided by Engineer

- A. The work shall be constructed in accordance with the lines and grades indicated in the Plans. Distances and measurements except elevation and structural dimensions are given and made on horizontal planes, unless indicated otherwise.

The Engineer will provide staking for the limits of work and the locations and elevations of the wet well, valve vault, sewer manholes, and sewer pipes and force mains.

PART 2: MATERIALS

NOT USED

PART 3: EXECUTION

NOT USED

PART 4: MEASUREMENT AND PAYMENT

NOT USED

END OF SECTION

**SECTION 01070
QUALITY CONTROL**

PART 1: GENERAL

1.1 - Samples

- A. All material shall be new and of the specified quality and equal to the approved samples, if samples have been submitted. The work shall be done and completed in a thorough, workmanlike manner, notwithstanding any omission from these Specifications or from the Plans. The Contractor is responsible to call the Engineer's attention to apparent errors or omissions and to request instructions before proceeding with the work. The Engineer may, by appropriate instructions, correct errors and supply omissions, which instructions shall be as binding upon the Contractor as though contained in the original Specifications or Plans.

1.2 - Testing at Point of Origin

- A. At the option of the Engineer, materials to be supplied under this Contract will be tested or inspected either at their place of origin or at the site of the work. The Contractor shall give the Engineer written notification well in advance of actual readiness of materials to be tested or inspected at point of origin. Satisfactory tests and inspections at the point of origin shall not be construed as a final acceptance of the material nor shall they preclude retesting or re-inspection at the site of the work. Materials which will require testing or inspection at the place of origin shall not be shipped prior to such testing, inspection, and certification by the Manufacturer.

PART 2: MATERIALS

NOT USED

PART 3: EXECUTION

NOT USED

PART 4: MEASUREMENT AND PAYMENT

4.1 - Payment

- A. Full compensation for conforming to the requirements of this Section shall be considered as being included in the total Contract price, and no additional compensation shall be made therefor.

END OF SECTION

**SECTION 01090
OBSERVATION**

PART 1: GENERAL

1.1 - Rejection of Defective Materials by Engineer

- A. All material and workmanship of whatever description shall be subject to the inspection of the Engineer. If not in conformance with the Specifications, such material and workmanship will be rejected by the Engineer. All defective work or materials shall be removed from the premises by the Contractor, whether in-place or not, and shall be replaced or renewed as approved by the Engineer.

1.2 - Decision of Engineer Final

- A. On all questions concerning the acceptability of materials, classification of materials, execution of the work, and the determination of costs, the decision of the Engineer shall be final and binding upon all parties.

1.3 - Access to Facilities for Inspection

- A. The Contractor shall at all times maintain proper facilities and provide safe access to all parts of the work, to the shops wherein the work is in preparation and to all warehouses and storage yards wherein equipment and material are stored for purposes of inspection by the Engineer. Should work be covered up before approval or consent of the Engineer, it shall, if required by the Engineer, be uncovered for examination at the Contractor's expense.

PART 2: MATERIALS

NOT USED

PART 3: EXECUTION

NOT USED

PART 4: MEASUREMENT AND PAYMENT

4.1 - Payment

- A. Full compensation for conforming to the requirements of this Section shall be considered as being included in the total Contract price, and no additional compensation shall be made therefor.

END OF SECTION

**SECTION 01100
SAMPLING AND TESTING**

PART 1: GENERAL

1.1 - Samples and Tests

- A. At the option of the Engineer the source of supply of each of the materials shall be approved by him before the delivery is started and before such material is used in the work. Representative preliminary samples of the character and quality prescribed shall be submitted by the Contractor or producer of all materials to be used in the work for testing or examination as required by the Engineer.

All tests of materials furnished by the Contractor shall be made in accordance with the commonly recognized standards of national technical organization, and such special methods and tests as are specified in these Specifications and the project Plans.

1.2 - Sampling

- A. The Contractor shall furnish such samples of materials as are requested by the Engineer, without charge. No material shall be used until it has been approved by the Engineer. Samples will be secured and tested whenever necessary to determine the quality of the material. All samples, and all test specimens prepared at the jobsite, such as concrete test cylinders, shall be taken or prepared by the Engineer in the presence and with the assistance of the Contractor.

1.3 - Testing

- A. Except for specified mill and manufacturing tests, all routine tests of materials shall be at the expense of the City and shall be performed in a laboratory designated by the City. In the event the Contractor protests a failing test of material in-place or to be used, he shall take additional samples as herein specified or as directed and have additional tests run at his own expense. In the event the original test proves to have been in error, the Contractor will be reimbursed for his direct costs of sampling and testing.

1.4 - Test Standards

- A. All sampling, specimen preparation, and testing of materials shall be in accordance with the standards of national recognized technical organizations.

The physical characteristics of all materials not particularly specified shall conform to the latest standards published by the American Society for Testing and Materials where applicable.

Wherever any standard published specifications are referred to, the latest edition or revision in effect on the bid date shall be used.

1.5 - Contractor

- A. The Contractor is responsible to ensure that all testing and sampling requirements are met and are in conformance with the project Plans and these Specifications. If the requirements are not met and are not in conformance with the project Plans and Specifications, the Contractor shall complete all rework resulting from nonconformance at the Contractor's expense.

PART 2: MATERIALS

NOT USED

PART 3: EXECUTION

NOT USED

PART 4: MEASUREMENT AND PAYMENT

4.1 - Sampling and Testing

- A. Payment for tests furnished by the Contractor will be included in the Contract items to which the work relates, and no additional compensation shall be made therefor.

END OF SECTION

**SECTION 01110
TEMPORARY FACILITIES**

PART 1: GENERAL

1.1 - Temporary Facilities

- A. The Contractor shall provide all temporary facilities and utilities required for prosecution of the work, protection of employees and the public, protection of the work from damage by fire, weather, or vandalism, and such other facilities as may be specified or required by any legally applicable law, ordinance, rule, or regulation.

PART 2: MATERIALS

NOT USED

PART 3: EXECUTION

NOT USED

PART 4: MEASUREMENT AND PAYMENT

4.1 - Payment

- A. Full compensation for conforming to the requirements of this Section shall be considered as being included in the total Contract price, and no additional compensation shall be made therefor.

END OF SECTION

**SECTION 01150
ACCIDENT PREVENTION**

PART 1: GENERAL

1.1 - Scope

- A. The Contractor shall exercise precaution at all times for the protection of persons (including employees) and property. The safety provisions of applicable laws and of building and construction codes shall be observed. Machinery, equipment, and other hazards shall be guarded or eliminated.

1.2 - Materials

- A. First aid facilities and information posters conforming at least to the minimum requirements of the Occupational Safety and Health Administration shall be provided in a readily accessible location or locations.

1.3 - Administration

- A. The Contractor shall make all reports as are, or may be, required by any authority having jurisdiction, and permit all safety inspections of the work being performed under this contract. Before proceeding with any construction work, the Contractor shall take the necessary action to comply with all provisions for safety and accident prevention. A copy of said reports shall be sent to the City for record.

PART 2: MATERIALS

NOT USED

PART 3: EXECUTION

NOT USED

PART 4: MEASUREMENT AND PAYMENT

4.1 - Payment

- A. Full compensation for conforming to the requirements of this Section shall be considered as being included in the total Contract price, and no additional compensation shall be made therefor.

END OF SECTION

**SECTION 01155
MAINTAINING TRAFFIC**

PART 1: GENERAL

1.1 - General

- A. This section defines the Contractor's responsibility with regard to convenience of the public and public traffic in connection with the contractor's operations.

1.2 - Related Sections

- A. Sections 01010, 01150, 01160, 01170.

1.3 - Submittals

- A. In accordance with Section 01300.

1.4 - Contractor's Responsibility:

- A. The Contractor shall comply with Section 7-1.03, "Public Convenience," Section 7-1.04, "Public Safety," and Section 12, "Temporary Traffic Control" of the Caltrans Standard Specifications and these Special Provisions. Nothing in these Special Provisions shall be construed as relieving the Contractor from his responsibility as provided in said Section 7-1.04.
- B. Contractor shall prepare a traffic control plan that will be submitted and approved by the City.

PART 2: MATERIALS

2.1 - Materials

- A. Temporary Traffic Delineation (Section 01170), Construction Area, and other materials as needed to direct and protect traffic.

PART 3: EXECUTION

3.1 - Notification Requirements

- A. The Contractor shall notify local authorities of his intent to begin work at least five (5) days before work is begun. The Contractor shall cooperate with local authorities relative to handling traffic through the limits of the project and shall make his own arrangements relative to keeping the work area clear of parked vehicles. The Contractor may move parked vehicles only in accordance with Section 22654(c)(d) of the State of California Vehicle Code. Signs required by said Section of the Vehicle Code shall be furnished, placed, and maintained by the Contractor.

3.2 - Access

- A. Public traffic and pedestrians shall not be allowed to travel on earthwork or native soil when no lane closure is permitted. The Contractor shall conduct construction operations so that vehicle and pedestrian traffic have reasonable access to all businesses at all times. During each stage of construction, graded and compacted Class 2 aggregate base shall be provided for access to driveways and businesses during non-working hours.
- B. The Contractor shall notify the Engineer, in writing, of those business establishments that would be impacted at least seven (7) days prior to the actual construction activity that would cause the impact.

3.3 - Modification to Section 7-1.03 of the Caltrans Standard Specifications

- A. The eighth and tenth paragraphs of Section 7-1.03, "Public Convenience," of the Caltrans Standard Specifications, shall be amended to read as follows:
 - i. Except during periods of road closure, when allowed by the Special Provisions, a minimum of one traffic lane, not less than twelve (12) feet in width, shall be open for use by public traffic. Public traffic may be permitted to use the shoulders and, if half-width construction methods are used, may also be permitted to use the side of the roadbed opposite to the one under construction. No additional compensation will be allowed for any shaping of shoulders or reshaping of subgrade necessary for the accommodation of public traffic thereon during subgrade preparation and paving operations.
 - ii. In order to expedite the passage of public traffic through or around the work and where ordered by the Engineer, the Contractor shall, at his own expense, furnish, install, and maintain construction area signs, lights, flares, temporary railing (Type K), barricades, and other facilities for the sole convenience and direction of public traffic. Also, where directed by the Engineer, the Contractor shall furnish competent flaggers whose sole duties shall consist of directing the movement of public traffic through or around the work. When deemed necessary by the City, C18 "Road Construction Ahead" and C13 "End Construction" signs shall be furnished, installed, and maintained by the Contractor at locations as directed by the Engineer at least forty-eight (48) hours in advance of any construction.
 - iii. The Contractor shall, at his expense, furnish and place portable delineators and C31 "Low Shoulder" signs off of and adjacent to new surfacing which is opened to public traffic under either of the following conditions:
 - a. Where the edge of the new surfacing is adjacent at existing unpaved shoulders, or
 - b. Where the new surfacing produces a drop-off of 0.15 foot or more at the edge of traveled way adjacent to existing paved shoulders.
 - iv. A portable delineator and a C31 sign shall be placed at the beginning of the drop-off in the direction of travel on the adjacent lane. Successive C31 signs shall be placed no more than two thousand (2,000) feet apart and portable delineators shall be placed no more

than two hundred (200) feet apart on curves and five hundred (500) feet apart on tangents along the drop-off.

- v. The portable delineators and C31 signs shall be maintained in place at each location until the drop-off is eliminated at that location or, where County forces are to perform shoulder backing operations, until the project is accepted. Portable delineators and signs shall conform to the requirements in Section 12, "Temporary Traffic Control," of the Caltrans Standard Specifications, except the signs may be set on temporary portable supports or on barricades.
- vi. Whenever traffic lanes are to be closed to public traffic, the Contractor shall close lanes as shown in the current Manual of Traffic Controls.

PART 4: MEASUREMENT AND PAYMENT

4.1 - Measurement

- A. Maintaining traffic shall be included in the per lump sum price paid for "Traffic Control" and no additional compensation will be allowed therefor.

4.2 - Payment

- A. Full compensation for furnishing labor, materials, tools, equipment, and incidentals for doing all work involved in the maintaining traffic control contract items as listed above, as shown in the Plans, as specified in these Technical Specifications, and as directed by the Engineer.

END OF SECTION

**SECTION 01170
TEMPORARY TRAFFIC DELINEATION**

PART 1: GENERAL

1.1 - General

- A. The purpose of temporary traffic delineation is to provide temporary pavement markings to channelize traffic during construction and/or prior to placement of permanent striping and marking.

1.2 - Submittals

- A. See Section 01300.

PART 2: MATERIALS

2.1 - Temporary Delineation

- A. Temporary delineation consists of reflective traffic tape applied in pieces not less than six (6) inches long nor less than four (4) inches wide, spaced no more than twenty (20) feet apart on tangents and no more than ten (10) feet apart on curves.

PART 3: EXECUTION

3.1 - Application

- A. Immediately after construction or when directed by the Engineer, replace all obliterated pavement delineation with temporary delineation during the same work period, and in no case later than 6:00 a.m. following such work period. Apply reflective traffic line tape in accordance with the manufacturer's instructions. Temporary delineation must be the same color as the permanent delineation.

3.2 - Removal

- A. Remove temporary delineation applied to asphalt concrete patches immediately prior to applying asphaltic emulsion tack coat for asphalt concrete pavement.

3.3 - Changes in Delineation

- A. A striping plan will be made available to the Contractor or a field directive will be issued when traffic delineation is to be modified by the City.

PART 4: MEASUREMENT AND PAYMENT

4.1 - Measurement

- A. Temporary traffic delineation shall be included in the per lump sum price paid for “Traffic Control” and no additional compensation will be allowed therefor.

4.2 - Payment

- A. Full compensation for furnishing labor, materials, tools, equipment, and incidentals for doing all work involved in temporary traffic delineation contract items as listed above, as shown in the Plans, as specified in these Technical Specifications. and as directed by the Engineer.

END OF SECTION

**SECTION 01300
SUBMITTALS**

PART 1: GENERAL

1.1 - Record Drawings

- A. The Contractor shall maintain a neatly marked set of record drawings showing the final locations and layout of all mechanical, electrical, and instrumentation equipment, piping and conduit, structures, water mains, services, meters, and other facilities. Drawings shall be kept current with all field instructions; mechanical, electrical, and instrumentation equipment accommodations; and construction adjustment. Drawings shall be subject to the inspection of the Engineer at all times. Prior to acceptance of the work, the Contractor shall deliver to the Engineer two (2) sets of neatly marked record drawings showing the information required above; one (1) set shall be reproducible.

1.2 - Shop Drawings, Schedules, and Samples

- A. Test reports and information in sufficient detail to show complete compliance with all specified requirements shall be furnished to the Engineer covering, but not limited to, the items under the Materials and Equipment List immediately below. The Contractor, at his own expense, shall make such changes in the required drawings as may be necessary to conform to the Contract Documents. After completion of such checking, verification, and revising, the Contractor shall stamp and sign the drawings indicating his approval and submit the shop drawings and pertinent data to the Engineer for review. Prior to the Engineer's review of such drawings, any work which the Contractor may do on the fabrications covered by the same shall be at his own risk, as the City will not be responsible for any expense or delays incurred by the Contractor for changes to make the same conform to the Contract Documents.

1.3 - Materials and Equipment List

- A. Portland cement concrete mix(es)
- B. Asphalt concrete mix(es)
- C. Imported aggregate materials, including gradations and other test data for aggregate base and sand
- D. Water Pipe, Valves, Fittings, and Appurtenances
- E. Fire Hydrants
- F. Meters and Meter Boxes

1.4 - Procedure

- A. Submit data to the Engineer in such number of copies as will allow him to retain two (2) copies of each submittal; for electronic submittals, provide one (1) copy in the Adobe Acrobat file format (.pdf). The submittal shall clearly indicate the specific area of the Contract Documents for which the submittal is made. The additional copies received by the Engineer will be returned to the Contractor's representative. The Engineer's notations of the action which he has taken will be noted on the returned copies.
- B. All drawing submittals shall be delivered to the Engineer allowing for not less than twenty-one (21) calendar days prior to the intended need of the Engineer's response. The Engineer will respond to the Contractor's drawing submittal by returning one (1) copy of the drawings marked with one of the following notations (or similar):
 - i. No Exceptions Taken
 - ii. Note Markings and/or Comments and Confirm
 - iii. Revise and Resubmit
 - iv. Rejected

Returned copies of drawings marked with either notation "A" or "B" will be considered authorization for the Contractor to proceed with the operations covered by such returned copies, provided that such operations shall be subject to the comments, if any, shown on such returned copies. Such markings and/or comments shall be confirmed in the field by the Inspector.

Returned copies of drawings marked with notation "C" shall be corrected as necessary and required, and one (1) transparent positive and two (2) prints of such corrected drawings shall be submitted in the same manner as before. Returned copies of drawings marked with notation "C" shall be resubmitted by the Contractor not later than seven (7) calendar days after date of transmittal by the Engineer of such copies of such drawings. Time is of the essence in this regard in order to expedite final acceptance of the shop drawings by the Engineer. The Contractor is advised that no Contract time extensions will be allowed where the delay is caused as a result of shop drawing resubmittals.

If, after reviewing a submittal for an item, the Engineer finds that such submittal is unacceptable, the Contractor shall make the necessary corrections and shall resubmit the package for such item. The Engineer will review the first resubmittal for an item without charge to the Contractor. However, if the Engineer finds the submittal unacceptable, the Contractor shall bear costs of all subsequent reviews by the Engineer. Such costs will be deducted by the Engineer from any monies due the Contractor.

Returned copies of drawings marked with notation "D" shall be taken out in its entirety.

The above drawings, lists, prints, samples, and other data shall become a part of the Contract Documents and a copy of the same shall be kept with the jobsite Contract Documents, and the

fabrications furnished shall be in conformance with the same. However, the Engineer's review of the above drawings, lists, prints, specifications, samples, or other data shall in no way release the Contractor from his responsibility for the proper fulfillment of the requirements of this Contract nor fulfilling the purpose of the installation nor from his liability to replace the same, should it prove defective or fail to meet the specified requirements.

1.5 - Material and Equipment Schedules

- A. Drawings of minor or incidental fabricated materials and equipment may not be required by the Engineer. The Contractor shall furnish the Engineer tabulated lists of such fabrications and equipment, showing the names of the manufacturers and catalog numbers, together with samples or general data as may be required to permit determination as to their acceptability for incorporation in the work.

PART 2: MATERIALS

NOT USED

PART 3: EXECUTION

NOT USED

PART 4: MEASUREMENT AND PAYMENT

4.1 - Submittals

- A. Payment will be included in the contract items to which this work relates, and no additional compensation will be allowed therefor.

END OF SECTION

**SECTION 01800
PROJECT CLOSEOUT**

PART 1: GENERAL

1.1 - Scope

- A. It is the intent of these Specifications and Contract Documents that the Contractor shall deliver a complete and operable facility capable of performing its intended functions and ready for use.

PART 2: MATERIALS

NOT USED

PART 3: EXECUTION

3.1 - Cleanup

- A. Throughout the period of construction the Contractor shall keep the work site free and clean of all rubbish and debris, and shall promptly remove from any portion of the site, or from property adjacent to the site of the work, all unused materials, surplus soil, and debris, excepting select material which may be required for refilling or grading. Upon completion of the work and prior to final acceptance of the project the Contractor shall remove from the vicinity of the completed work all debris, surplus material, and equipment belonging to him or used under his direction during construction.

3.2 - Waste Disposal

- A. The Contractor shall provide for the disposal of all surplus materials, waste products, debris, etc., and shall make necessary arrangements for such disposal. The Contractor shall obtain written permission from the City prior to disposing of any surplus materials, waste products, and debris on private property, and shall also obtain the approval of the Engineer prior to such disposal.
- B. The Engineer will not approve the filling of ditches, washes, and drainage ways which may create water control problems.
- C. The Engineer will not approve disposal operations which will create unsightly or unsanitary nuisances.
- D. The Contractor shall maintain the disposal site in good appearance and in safe condition during the construction period.
- E. Prior to final acceptance of the project the Contractor shall level and clean the disposal site.

3.3 - Project Record Documents

- A. The Contractor shall maintain at the site, available to the City and Engineer, one (1) copy of all Plans, Specifications, Addenda, Approved Shop Drawings, Change Orders, Agency's Manuals, and other modifications in good order and marked to record all changes made during construction. These shall be delivered to the Engineer for the City upon completion of the project.

3.4 - Touch-Up and Repair

- A. The Contractor shall touch-up or repair all finished surfaces on structures, equipment, fixtures, etc. that have been damaged prior to final acceptance. Surfaces on which such touch-up or repair cannot be successfully accomplished shall be completely refinished; or, in the case of hardware and similar small items, the item shall be replaced.

PART 4: MEASUREMENT AND PAYMENT

4.1 - Payment

- A. Full compensation for conforming to the requirements of this Section shall be considered as being included in the total Contract price, and no additional compensation shall be made therefor.

END OF SECTION

**SECTION 02110
SITE CLEARING, GRUBBING, AND DEMOLITION**

PART 1: GENERAL

1.1 - Related Documents

- A. Plans and General Provisions of Contract, including Technical Specification Sections apply to this section.

1.2 - Description of Work

- A. General: This work includes clearing, grubbing, removing, and disposing of all vegetation, concrete, pavement, debris, and obstructions within the construction limits or right-of-way, except such objects as are designated to remain or are to be otherwise removed in accordance with the Plans or other sections of these Specifications. This work also includes the preservation from injury or defacement of all vegetation and objects designated to remain.

1.3 - Project Conditions

- A. Traffic: Conduct site clearing operations to ensure minimum interference with roads, streets, and other adjacent occupied or used facilities. Do not close or obstruct streets or other occupied or used facilities without permission from authorities having jurisdiction.
- B. Protection of Existing Improvements:
 - i. Provide protection necessary to prevent damage to existing improvements indicated to remain in place.
 - ii. Protect improvements on adjoining properties and on project site.
 - iii. Restore damaged improvements to their original condition, as acceptable to the Engineer.

PART 2: PRODUCTS

NOT USED

PART 3: EXECUTION

3.1 - Site Clearing

- A. General: Perform all clearing before other construction work in the same general area is started. This consists of clearing and removing from the site all trees, brush, undergrowth, heavy growth of grass or weeds, fences, structures, debris and rubbish of any nature, natural obstructions, or such material which the Engineer deems unsuitable for fill material.

Preserve and protect from injury all trees not required to be removed. Prune and paint all trees damaged by clearing operation in a satisfactory manner as approved by the Engineer. Reasonable care shall be taken during construction to avoid damage to vegetation. Trees which receive damage to branches shall be trimmed of those branches to improve the appearance of the tree. Tree trunks receiving damage from equipment shall be treated with a tree dressing.

- B. Grubbing: Grub and remove from the site all stumps, roots, matted roots, buried logs, brush, grass, foundations, and other unsatisfactory materials.
 - i. Completely remove stumps, roots, and other debris protruding through ground surface.
 - ii. Use only hand methods for grubbing inside drip line of trees indicated to remain.
 - iii. Fill depressions caused by clearing and grubbing operations with satisfactory soil material, unless further excavation or earthwork is indicated.

3.2 - Removal of Spoil Materials

- A. Removal and Disposal of Materials: All materials removed shall be disposed of outside of the right-of-way at the Contractor's expense. The Contractor shall use the City's contracted hauler for disposal of all demolished materials. The construction site and adjacent areas shall be left with a neat and finished appearance.
- B. Asphalt Pavement: Asphalt pavement shall be removed to clean straight lines. Sawcutting of edges to be joined is required as shown in the Plans, with no additional compensation provided. Where asphalt pavement adjoins a trench, the edges adjacent to the trench shall be sawcut to neat straight lines before resurfacing.

3.3 - Protection of Existing Improvements

- A. Provide barricades, coverings, or other types of protection necessary to prevent damage to existing improvements indicated to remain in place. Protect improvements on adjoining properties as well as those on the project site. At least forty-eight (48) hours prior to the commencement of work affecting said improvements or easements, the Contractor shall notify the Engineer thereof of his work plan and schedule in writing. Restore any improvements to their original condition, as acceptable to the Engineer or other parties or authorities having jurisdiction.
- B. All logs and other wood removed during clearing shall be removed from the job site.
- C. Fences: Remove fences as required for completion of the work within the designated limits. Provide temporary fencing where necessary. Construct new fencing as soon as possible.
- D. Remove and replace in kind storm drainage pipe sections as shown on the plans. Coordinate this work with the Engineer.

PART 4: MEASUREMENT AND PAYMENT

4.1 - Measurement

- A. Site Clearing and Demolition shall be included in the lump sum price paid for “Clearing, Grubbing, and Demolition” and no additional compensation will be allowed therefor.

4.2 - Payment

- A. The Contract lump sum price paid for Site Clearing, Grubbing, and Demolition shall include full compensation for furnishing labor, materials, tools, equipment, and incidentals for doing all work involved in Site Clearing as listed above, as shown in the Plans, as specified in these Technical Specifications, and as directed by the Engineer.

END OF SECTION

**SECTION 02210
EARTHWORK**

PART 1: GENERAL

1.1 - Description

- A. This section includes materials, testing, and installation of earthwork for excavations, fills, and sites.

1.2 - Related Sections

- A. Existing Conditions: General Provisions.
- B. Section 02220 – Trenching, Backfilling, and Compacting.

1.3 - Submittals

- A. Submit excavation and shoring drawings for worker protection in accordance with the General Provisions.
- B. Submit six copies of a report from a testing laboratory verifying that the material contains less than 1% asbestos by weight or volume and conforms to the specified gradations.

1.4 - Testing for Compaction

- A. The Agency will test for compaction and relative density as described below.
- B. Determine the density of soil in place by the sand cone method, ASTM D1556, or by nuclear methods, ASTM D6938. Compaction tests will be performed for each lift or layer. If nuclear methods are used for in-place density determination, verify the accuracy with one sand cone, and one maximum laboratory dry density, for every ten nuclear tests taken if the backfill material is processed fill or visually consistent. More sand cones and densities will be required if the backfill material is visually variable. The minimum depth for the sand cone test hole shall be 12 inches. The minimum size shall be 8 inches, and size 16/30 or 10/20 silica sand shall be used.
- C. Determine laboratory moisture-density relations of soils per ASTM D1557. If nuclear methods are used for in-place density determination, the compaction test results for maximum dry density and optimum water content shall be adjusted in accordance with ASTM D4718. This will be required for determination of percent relative compaction and moisture variation from optimum.
- D. Determine the relative density of cohesionless soils per ASTM D4253 and D4254.
- E. Sample materials per ASTM D75.
- F. "Relative compaction" is the ratio, expressed as a percentage, of the in-place dry density to the laboratory maximum dry density.

- G. Compaction shall be deemed to comply with the specifications when no more than one test of any five consecutive tests falls below the specified relative compaction. The one test shall be no more than three percentage points below the specified compaction. The Contractor shall pay the costs of any retesting of work not conforming to the specifications.

1.5 - Disposal of Excess Materials

- A. Excess site excavated or wasted material shall be disposed of offsite by the Contractor at his expense. No prearranged offsite disposal site or related permits have been determined or secured by the Agency.

1.6 - Material Availability

- A. If additional material is required to complete the work, the Contractor shall obtain fill and backfill material from an offsite borrow area at his expense. Imported fill and backfill material shall be similar to the native material at the project site. The Agency will be the sole judge of the suitability of imported fill and backfill material. No prearranged offsite borrow site or related permits have been determined or secured by the Agency.

PART 2: MATERIALS

2.1 - Fill

- A. Fill material shall be native material.

2.2 - Water for Compaction

- A. Water shall be free of organic materials and shall have a pH of 7.0 to 9.0, a maximum chloride concentration of 500 mg/L, and a maximum sulfate concentration of 500 mg/L. Provide all water needed for earthwork. Provide temporary piping and valves to convey water from the source to the point of use. Provide any meters if the water is taken from a city, water district, or agency pipeline.

PART 3: EXECUTION

3.1 - Dewatering

- A. Provide and operate equipment adequate to keep excavations and trenches free of water. Remove water during period when concrete is being deposited, when pipe is being laid, and during the placing of backfill. Avoid settlement or damage to adjacent property. Dispose of water in a manner that will not damage adjacent property. When dewatering open excavations, dewater from outside the structural limits and from a point below the bottom of the excavation. Obtain and comply with discharge permit from City of Lindsay.

3.2 – Excavation

- A. Excavations shall have sloping, sheeting, shoring, and bracing conforming with 29CFR1926 Subpart P-Excavations, CAL/OSHA requirements, and the General Provisions.
- B. Excavation is unclassified. Perform excavation regardless of the type, nature, or condition of the material encountered to accomplish the construction. Do not operate excavation equipment within 5 feet of existing structures or newly completed construction. Excavate with hand tools in these areas.
- C. After the required excavation has been completed, the Agency will observe the exposed subgrade to determine the need for any additional excavation. It is the intent that additional excavation is to be conducted in all areas within the influence of the structure where unacceptable subgrade materials exist at the exposed subgrade. Overexcavation shall include the removal of all such unacceptable material that exists directly beneath the structure or within a zone outside and below the structure defined by a line sloping at 1-horizontal to 1-vertical from 1 foot outside the edge of the footing. Refill the overexcavated areas with structural backfill material.
- D. The Contractor will not receive any additional payment for refill material used for his convenience.

3.3 - Preparation for Placing Fill or Backfill

- A. After excavation of existing material or removal of unacceptable material at the exposed subgrade, scarify the final subgrade surface to a depth of 12 inches and compact to 92% relative compaction.
- B. Remove foreign materials and trash from the excavation before placing any fill material.

3.4 - Placing and Compacting Fill

- A. Excavated material may be used for fill providing all deleterious materials have been removed from the stockpiled material.
- B. Place in maximum 8-inch lifts and compact each lift to 92% relative compaction.
- C. Where fill is to be constructed on slopes steeper than 3:1, bench the fill into competent undisturbed materials as the fill progresses up the slope. Benches shall be sloped at least 2% into the slope and shall be of a width at least equal to the height of fill lift.

3.5 - Moisture Control

- A. During the compacting operations, maintain optimum practicable moisture content required for compaction purposes in each lift of the material. Maintain uniform moisture content throughout the lift. Insofar as practicable, add water to the material at the site of excavation. Supplement by sprinkling the material. At the time of compaction, the water content of the material shall be at optimum water content or within 2 percentage points above optimum. Aerate material containing excessive moisture by blading, discing, or harrowing to hasten the drying process.

3.6 - Site Grading

- A. Perform earthwork to the lines and grades shown in the drawings. Shape, trim, and finish slopes of channels to conform to the lines, grades, and cross sections as shown. Remove exposed roots and loose rocks exceeding 3 inches in diameter. Round tops of banks to circular curves of not less than a 6-foot radius. Neatly and smoothly trim rounded surfaces. Do not overexcavate and backfill to achieve the proper grade.

PART 4: MEASUREMENT AND PAYMENT

4.1 - Measurement and Payment

- A. Payment for all the work in this section, exclusive of authorized overexcavation, shall be included as part of the lump-sum bid amount stated in the Proposal.

4.2 - Measurement and Payment for Overexcavation

- A. Measurement of the volume of material for payment of authorized overexcavation will be made by taking cross sections after excavation and calculating the volume using the average end area method. The Agency will measure and calculate the volume. The volume for payment will be the gross volume, up to the elevation of the finished earthwork subgrade. A change order will be made as described in the General Provisions based upon a unit price according to actual time and material volume of earthwork. No payment will be made for unauthorized excavated and fill material exceeding the contract lines and grades.

END OF SECTION

**SECTION 02220
TRENCHING, BACKFILLING, AND COMPACTING**

PART 1: GENERAL

1.1 - Description

This section includes materials, testing, and installation for pipeline trench excavation, backfilling, and compacting.

1.2 - Related Sections

- A. Existing Conditions: General Provisions.
- B. Section 04015 – Pressure Testing of Piping.

1.3 - Submittals

- A. Submit two copies of a report from a testing laboratory verifying that material contains less than 1% asbestos by weight or volume and conforms to the specified gradations or characteristics for granular material, imported sand, rock refill for foundation stabilization, and water.
- B. Submit method(s) of compaction including removal sequence of shoring where used.

1.4 - Testing for Compaction

- A. The Agency will test for compaction as described below.
- B. Determine the density of soil in place by the sand cone method, ASTM D1556 or by nuclear methods, ASTM D6938. Compaction tests will be performed for each lift or layer. If nuclear methods are used for in-place density determination, verify the accuracy with one sand cone and one maximum laboratory dry density, for every five nuclear tests taken if the backfill material is processed fill or visually consistent. More sand cones and densities will be required if the backfill material is visually variable. The minimum depth for the sand cone test hole shall be 12 inches. The minimum size shall be 8 inches, and size 16/30 or 10/20 silica sand shall be used.
- C. Determine laboratory moisture-density relations of soils by ASTM D1557. If nuclear methods are used for in-place density determination, the compaction test results for maximum dry density and optimum water content shall be adjusted in accordance with ASTM D4718. This will be required for determination of percent relative compaction and moisture variation from optimum.
- D. Determine the relative density of cohesionless soils by ASTM D4253 and D4254.
- E. Sample backfill materials per ASTM D75.
- F. "Relative compaction" is the ratio, expressed as a percentage, of the in-place dry density to the laboratory maximum dry density.

- G. Compaction shall be deemed to comply with the specifications when no test falls below the specified relative compaction. The Contractor shall pay the costs for any retesting or additional testing of work not conforming to the specifications.
- H. Where compaction tests indicate a failure to meet the specified compaction, the Agency will take additional tests every 25 to 50 feet in each direction until the extent of the failing area is identified. Rework the entire failed area until the specified compaction has been achieved.

1.5 - Disposal of Excess Materials

- A. Excess excavated or wasted material shall be disposed of offsite by the Contractor at his expense. No prearranged disposal site or related permits have been determined or secured by the Agency.

1.6 - Pavement Zone

- A. The pavement zone includes the asphalt concrete and aggregate base pavement section placed over the trench backfill.

1.7 - Street Zone

- A. The street zone is the top 30 inches of the trench immediately below the pavement zone in paved areas. Where the depth of cover over the pipe does not permit the full specified thickness of the street zone, construct a thinner street zone, extending from the top of the pipe zone to the bottom of the pavement zone.

1.8 - Trench Zone

- A. The trench zone includes the portion of the trench from the top of the pipe zone to the bottom of the street zone in paved areas or to the existing surface in unpaved areas. If the resulting trench zone is less than 12 inches thick, the street zone shall extend to the top of the pipe zone and there shall be no separate trench zone.

1.9 - Pipe Zone

- A. The pipe zone shall include the full width of trench from the bottom of the pipe or conduit to a horizontal level above the top of the pipe, as specified below. Where multiple pipes or conduits are placed in the same trench, the pipe zone shall extend from the bottom of the lowest pipe to a horizontal level above the top of the highest or topmost pipe. Thickness of pipe zone above the highest top of pipe shall be as follows unless otherwise shown in the drawings or otherwise described in the specifications for the particular type of pipe installed.

Pipe Diameter	Thickness of Pipe Zone Above Top of Pipe
12 inches and smaller	12 inches

1.10 - Pipe Base and Bedding

- A. The pipe base or bedding shall be defined as a layer of material immediately below the bottom of the pipe or conduit and extending over the full trench width in which the pipe is bedded.

Thickness of pipe base shall be as follows unless otherwise shown in the drawings or otherwise described in the specifications for the particular type of pipe installed.

Pipe Diameter	Thickness of Pipe Base
12 inches and smaller	4 inches

PART 2: MATERIALS

2.1 - Granular Material for Backfill – Street and Trench Zones

- A. Granular material or granular soil for backfill used above the pipe zone shall be lean bank-run or pit-run gravel, or native soil. The maximum particle size shall be 2 inches. A maximum of 15% shall pass a No. 200 sieve.

2.2 - Native Earth Backfill – Street and Trench Zones

- A. Native earth backfill used above the pipe zone shall be excavated fine-grained materials free from roots, debris, rocks larger than 3 inches, asbestos, organic matter, clods, clay balls, broken pavement, and other deleterious materials. Less than 50% shall pass a No. 200 sieve. At least 40% shall pass a No. 4 sieve. The coarser materials shall be well distributed throughout the finer material.

2.3 - Imported Sand – Pipe Zone and Pipe Base

- A. Imported sand used in the pipe zone or for the pipe base shall have the following gradation:

Sieve Size	Percent Passing By Weight
3/8 inch	100
No. 4	75 to 100
No. 30	12 to 50
No. 100	5 to 20
No.200	0 to 10

- B. Imported sand shall have a minimum sand equivalent of 40 per ASTM D2419.

2.4 - Concrete for Pipe Encasement and Thrust Blocks

- A. Unless shown otherwise in the drawings, thrust blocks shall be constructed of Type II portland cement concrete, minimum 5 sacks per cubic yard and a minimum compressive strength of 3,000 psi.
- B. Provide thrust blocks at fittings in pipe having rubber gasket bell-and-spigot or unrestrained mechanical joints.
- C. See the details in the drawings for thrust block sizes.

2.5 - Water for Compaction

- A. Water shall be free of organic materials and shall have a pH of 7.0 to 9.0, a maximum chloride concentration of 500 mg/L, and a maximum sulfate concentration of 500 mg/L. Provide all water needed for earthwork. Provide temporary piping and valves to convey water from the source to the point of use. Provide any meters if the water is taken from a city, water district, or agency pipeline.

2.6 - Underground Detectable Metallic Pipe Warning Tape

- A. Provide permanent, bright-colored, continuous-printed tape consisting of an aluminum or steel foil sheathed in a plastic laminate, not less than 2 inches wide by 3 mils thick. Provide tape with printing which most accurately indicates type of buried service. Provide the following colored tape for the various piping services:

Service	Color
Water	Blue

PART 3: EXECUTION

3.1 - Sloping, Sheeting, Shoring, and Bracing of Trenches

- A. Trenches shall have sloping, sheeting, shoring, and bracing conforming with 29CFR1926, Subpart P--Excavations, CAL/OSHA requirements, and the General Provisions.

3.2 - Sidewalk, Pavement, and Curb Removal/Replacement

- A. Cut bituminous and concrete pavements regardless of the thickness and curbs and sidewalks prior to excavation of the trenches with a pavement saw or pavement cutter. Width of the pavement cut shall be at least equal to the required width of the trench at ground surface. Haul pavement and concrete materials from the site. Do not use for trench backfill. Any concrete or asphalt pavement removed during trenching shall be replaced in-kind.

3.3 - Trench Excavation

- A. Excavate the trench to the lines and grades shown in the drawings with allowance for pipe thickness, sheeting and shoring if used, and for pipe base or special bedding. If the trench is excavated below the required grade, refill any part of the trench excavated below the grade at no additional cost to the Agency with imported sand. Place the refilling material over the full width of trench in compacted layers not exceeding 6 inches deep to the established grade with allowance for the pipe base or special bedding.
- B. Trench widths in the pipe zone shall be as shown in the drawings. If no details are shown, maximum width shall be 18 inches greater than the pipe outside diameter. Comply with 29CFR Part 1926 Subpart P--Excavations. Trench width at the top of the trench will not be limited except where width of excavation would undercut adjacent structures and footings. In such case, width of trench shall be such that there is at least 2 feet between the top edge of the trench and the structure or footing.

3.4 - Location of Excavated Material

- A. During trench excavation, place the excavated material only within the working area. Do not obstruct any roadways or streets. Do not place trench spoil over pipe, buried utilities, manholes, or vaults. Conform to federal, state, and local codes governing the safe loading of trenches with excavated material.
- B. Locate trench spoil piles at least 10 feet from the tops of the slopes of trenches. Do not operate cranes and other equipment on the same side of the trench as the spoil piles.

3.5 - Length of Open Trench

- A. Limit the length of open trench to 600 feet in advance of pipelaying or amount of pipe installed in one working day. Complete backfilling and temporary or first layer paving not more than 200 feet in the rear of pipelaying.

3.6 - Dewatering

- A. Provide and maintain means and devices to remove and dispose of water entering the trench excavation during the time the trench is being prepared for the pipelaying, during the laying of the pipe, and until the backfill at the pipe zone has been completed. These provisions shall apply during both working and nonworking hours, including lunch time, evenings, weekends, and holidays. Dispose of the water in a manner to prevent damage to adjacent property and in accordance with regulatory agency requirements. Do not drain trench water through the pipeline under construction.

3.7 - Foundation Stabilization

- A. After the required excavation has been completed, the Agency will inspect the exposed subgrade to determine the need for any additional excavation. It is the intent that additional excavation be conducted in all areas within the influence of the pipeline where unacceptable materials exist at the exposed subgrade. Overexcavation shall include the removal of all such unacceptable material that exist directly beneath the pipeline to a width 24 inches greater than the pipe outside diameter and to the depth required.
- B. Place filter fabric on the bottom of the trench and up the sides a sufficient height to retain rock refill material. Backfill the trench to subgrade of pipe base with rock refill material for foundation stabilization. Place the foundation stabilization material over the full width of the trench and compact in layers not exceeding 6 inches deep to the required grade. Foundation stabilization work shall be executed in accordance with a change order.
- C. Rock refill used by the Contractor for his convenience will not be cause for any additional payment.

3.8 - Installing Buried Piping

- A. Grade the bottom of the trench to the line and grade to which the pipe is to be laid, with allowance for pipe thickness. Remove hard spots that would prevent a uniform thickness of bedding. Place the specified thickness of pipe base material over the full width of trench. Grade the top of the pipe base ahead of the pipelaying to provide firm, continuous, uniform support

along the full length of pipe, and compact to the relative compaction specified herein. Before laying each section of the pipe, check the grade and correct any irregularities.

- B. Excavate bell holes at each joint to permit proper assembly and inspection of the entire joint. Fill the area excavated for the joints with the bedding material specified or indicated in the drawings for use in the pipe zone. If no bedding material is specified or indicated, use imported sand.
- C. Inspect each pipe and fitting before lowering the buried pipe or fitting into the trench. Inspect the interior and exterior protective coatings. Patch damaged areas in the field with material recommended by the protective coating manufacturer. Clean ends of pipe thoroughly. Remove foreign matter and dirt from inside of pipe and keep clean during and after installation.
- D. Handle pipe in such a manner as to avoid damage to the pipe. Do not drop or dump pipe into trenches under any circumstances.
- E. When installing pipe, do not deviate more than 1 inch from line or grade. Measure elevation at the pipe invert.
- F. After pipe has been bedded, place pipe zone material simultaneously on both sides of the pipe, in maximum 6-inch lifts, keeping the level of backfill the same on each side. If no pipe zone material is specified or indicated, use imported sand. Carefully place the material around the pipe so that the pipe barrel is completely supported and no voids or uncompacted areas are left beneath the pipe. Use particular care in placing material on the underside of the pipe to prevent lateral movement during subsequent backfilling.
- G. Compact each lift to the relative compaction specified herein.
- H. Push the backfill material carefully onto the backfill previously placed in the pipe zone. If no backfill material is otherwise specified or indicated, use granular material for backfill. Do not permit free-fall of the material until at least 2 feet of cover is provided over the top of the pipe. Do not drop sharp, heavy pieces of material directly onto the pipe or the tamped material around the pipe. Do not operate heavy equipment or a sheepsfoot wheel mounted on a backhoe over the pipe until at least 3 feet or one-half of the internal diameter, whichever is greater, of backfill has been placed and compacted over the pipe.
- I. When the pipelaying is not in progress, including the noon hours, close the open ends of pipe. Do not allow trench water, animals, or foreign material to enter the pipe.
- J. Keep the trench dry until the pipelaying and jointing are completed.

3.9 - Backfill Compaction

- A. Unless otherwise shown in the drawings or otherwise described in the specifications for the particular type of pipe installed, relative compaction in pipe trenches shall be as follows:
 - i. Pipe Zone: 90% relative compaction.
 - ii. Backfill in Trench Zone Not Beneath Paving: 90% relative compaction.
 - iii. Backfill in Trench Zone to Street Zone in Paved Areas: 90% relative compaction.

- iv. Backfill in Street Zone in Paved Areas: 95% relative compaction.
- v. Rock Refill for Foundation Stabilization: 80% relative density.
- vi. Refill for Overexcavation: 80% relative density.
- vii. Compact trench backfill to the specified relative compaction. Compact by using mechanical compaction or hand tamping. Do not use high-impact hammer-type equipment except where the pipe manufacturer warrants in writing that such use will not damage the pipe.
- viii. Compact material placed within 12 inches of the outer surface of the pipe by hand tamping only.
- ix. Do not use any axle-driven or tractor-drawn compaction equipment within 5 feet of building walls, foundations, and other structures.

3.10 - Material Replacement

- A. Remove and replace any trenching and backfilling material that does not meet the specifications, at the Contractor's expense.

PART 4: MEASUREMENT AND PAYMENT

4.1 - Measurement and Payment

- A. Payment for the work in this section, other than foundation stabilization, shall be included as part of the unit price for pipe bid amount stated in the Proposal.
- B. Payment for foundation stabilization shall be made in accordance with the General Provisions.

END OF SECTION