



City of Chico

Capital Project Services Department
411 Main Street, 2nd Floor
P.O. Box 3420
Chico CA 95927
FAX Number (530) 895-4899

ADDENDUM TRANSMITTAL

Number of Pages (including this cover page) Twenty-nine (29)

Date: January 20, 2012

FROM:

TO:

Name City of Chico

Name All Planholders

Dept Capital Project Services

Co. _____

Phone Number (530) 879-6900

Fax _____

**SUBJECT: ADDENDUM NO.2 / STATE ROUTE 32 WIDENING (PHASE 1) –
PROJECT No. 15010 – FROM EAST OF PARK AND RIDE LOT TO EL MONTE AVE**

PROJECT NAME: STATE ROUTE 32 WIDENING PROJECT (PHASE 1)
PROJECT No. 15010

FROM EAST OF PARK AND RIDE LOT TO EL MONTE AVENUE

BUDGET ACCOUNT No.: MAJGC/15010-300-4150

ADDENDUM NO. 2

The contract plans and specifications for the above noted project are hereby modified as follows:

ITEM	PAGE/SHEET	DESCRIPTION OF CHANGE/INSTRUCTIONS						
1	Special Provisions i, ii	<p>The Table of Contents has been updated to reflect changes due to this addendum.</p> <p>Replace pages i, ii with the attached i A2, ii A2</p>						
2	Notice to Contractor NC-1 A1, NC-2 A1	<p>The Payment Retentions; Substitutions of Securities Section of the Notice to Contractor has been revised as follows:</p> <p>PAYMENT RETENTIONS; SUBSTITUTION OF SECURITIES - Ten percent (10%) Five percent (5%) will be withheld from each progress payment made to the contractor for work performed and will be held until completion of the work, its acceptance and the expiration of the period provided by law for filing liens by laborers or materialmen. In accordance with the provisions of Section 22300 of the Public Contract Code of the State of California, securities may be substituted for the monies which the City withholds, or the Contractor may request that retention be paid to an escrow agent.</p> <p>Replace pages NC-1 A1 and NC-2 A1 with attached NC-1 A2 and NC-2 A2.</p>						
3	Special Provisions SP-1, SP-2	<p>The first paragraph of Section C. Payments, has been modified to read as follows:</p> <p>In determining the partial payments to be made to the Contractor, only the following listed materials will be considered for inclusion in the payment as materials furnished but not incorporated in the work:</p> <ul style="list-style-type: none"> A. Precast Concrete Soundwall B. Steel-Backed Timber Guardrailing C. Bar Reinforcing Steel (Bridge) D. Tubular Bicycle Railing E. Precast Concrete Piles F. Schedule 40 PVC F. PVC Mainline (Schedule 40 PVC) G. PVC Lateral Lines (Schedule 40 PVC) GH. Conduit (Remote Control Wire Conduit-Schedule 40 PVC) HI. Signal Standards-Modify Signal and Lighting (Location 1) <p>The following was added to Item C. Payments:</p> <p>For the purpose of making partial payments, the amount set forth for the contract items of work hereinafter listed shall be deemed to be the maximum value of the contract item of work which will be recognized for progress payment purposes.</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 40px;">Storm Water Pollution Prevention Plan</td> <td style="text-align: right;">\$5,000</td> </tr> <tr> <td style="padding-left: 40px;">Clearing and Grubbing</td> <td style="text-align: right;">\$50,000</td> </tr> <tr> <td style="padding-left: 40px;">Develop Water Supply</td> <td style="text-align: right;">\$10,000</td> </tr> </table> <p>After acceptance of the contract pursuant to the provisions in Section 7-1.17, "Acceptance of Contract," of the Standard Specifications, the amount, if any, payable for a contract item of work in excess of the maximum value for progress payment purposes hereinabove listed for the item, will be included for payment in the first estimate made after acceptance of the contract.</p>	Storm Water Pollution Prevention Plan	\$5,000	Clearing and Grubbing	\$50,000	Develop Water Supply	\$10,000
Storm Water Pollution Prevention Plan	\$5,000							
Clearing and Grubbing	\$50,000							
Develop Water Supply	\$10,000							

		<p align="center">RETENTIONS</p> <p>In lieu of the amounts for retention specified under Item “(b) Progress Payment” of Section “H. Measurement and Payment” of the City of Chico Standard General Provisions, The City of Chico shall retain five percent (5%) from progress payments due the Contractor for work performed (Pub Cont Code 7201).</p> <p>Replace pages SP-1 and SP-2 with the attached SP-1 A2 and SP-2 A2</p>
<p>4</p>	<p>Special Provisions SP-37, SP-38</p>	<p>Item P. Construction Procedures and Details, was changed to Item Q. Item P. Payroll Records, and the following were added after Item O. Quantities, to reflect requirements of SBX-9 and AB436 that implement the Department of Labor Standards Enforcement (DLSE) Compliance Monitoring Unit (CMU) at the Department of Industrial Relations:</p> <p>P. PAYROLL RECORDS</p> <p>Attention is directed to Section 7-1.01A(3), “Payroll Records”, of the Standard Specifications.</p> <p>The third paragraph of Section 7-1.01A(3) is replaced with the following:</p> <p>A copy of all payrolls shall be submitted weekly to the Engineer. In addition to submitting copies of all payrolls to the Engineer, this project is subject to monitoring and enforcement by Division of Labor Standards Enforcement (DLSE). Certified Payrolls (CPRs) shall be submitted weekly to Compliance Monitoring Unit (CMU) through the electronic website located at https://app.mylcm.com as required by SBX-9 and AB436. Payrolls shall contain the full name, address and social security number of each employee, the employee's correct classification, rate of pay, daily and weekly number of hours worked, itemized deductions made and actual wages paid. They shall also indicate apprentices and ratio of apprentices to journeymen. The employee's address and social security number need only appear on the first payroll on which that name appears. The payroll shall be accompanied by a "Statement of Compliance" signed by the employer or the employer's agent indicating that the payrolls are correct and complete and that the wage rates contained therein are not less than those required by the contract. The "Statement of Compliance" shall be on forms furnished by the Department or on any form with identical wording. The Contractor shall be responsible for the submission of copies of payrolls of all subcontractors.</p> <p>The Contractor shall post at the job site the "Compliance Monitoring Unit (CMU)" poster required by 8 Cal. Code Reg. Section 16451(d). Posters are available at the DLSE District Offices or by emailing a request to CMU@dir.ca.gov.</p> <p>Bidders, Prime Contractors and all Subcontractors shall be responsible for investigating and complying with the requirements of this provision and become informed with the requirements of SBX-9 and AB-436. Information regarding the reporting requirements and forms relating to Labor Compliance Reporting can be found on the Department of Industrial Relations Website at: http://www.dir.ca.gov/dlse/cmu/cmu.html.</p> <p>Full compensation for complying with the requirements outlined in this section shall be considered as included in the various contract items of work, and no additional payment will be allowed therefor.</p> <p>PQ. CONSTRUCTION PROCEDURES AND DETAILS</p> <p>Replace pages SP-37 and SP-38 with attached Pages SP-37 A2 and SP-38 A2</p>

5	Special Provisions SP-327 A1, SP-328 A1	The third line of Item L. Electrical Pull Boxes, has been modified as follows: 3. Install pull boxes every 150' 500' along the conduit route. Replace pages SP-327 A1 and SP-328 A21 with attached SP-327 A2 and SP-328 A2
6	Contract Form CF-4 A1 through CF-9 A1	Partial Payment designated by the letter 'P' has been removed from the following items: 7. Traffic Control System Partial Payment designated by the letter 'P' has been added to the following item: 3. Storm Water Pollution Prevention Plan 113. Modify Signal and Lighting (Location 1) (P) and (F) notes were added to CF-9A Replace pages CF-4 A1 through CF-9 A1 with attached Pages CF-4 A2 through CF-9 A2
7	Proposal Form PF-4 A1 through PF-9 A1	Partial Payment designated by the letter 'P' has been removed from the following items: 7. Traffic Control System Partial Payment designated by the letter 'P' has been added to the following item: 3. Storm Water Pollution Prevention Plan 113. Modify Signal and Lighting (Location 1) (P) and (F) notes were added to PF-9A Replace pages PF-4 A1 through PF-9 A1 with attached Pages PF-4 A2 through PF-9 A2
8	Plan Sheet LS-2.0	Irrigation Legend has been revised. Replace plan sheet LS-2.0 dated 1-11-12 with Revised LS-2.0 dated 11-19-12
9	Plan Sheet LS-2.8	Detail 2, Backflow Preventer Detail, has been revised. Replace plan sheet LS-2.8 dated 1-11-12 with Revised LS-2.8 dated 11-19-12

This addendum shall accompany each bid proposal submitted, shall become a part of the contract documents, and shall be acknowledged by the bidder by signing where indicated below.

Signature of Bidder

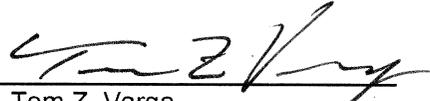
Date

NOTE: Attach Addendum to bid proposal

Attachments:

DISTR: CPSD/ENGR-SEC
O&MD/AA-Peacock
ALL PLAN HOLDERS
ALL COPIES OF SPECIFICATION

By



Tom Z. Varga
Capital Project Services Director

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CITY OF CHICO
CAPITAL PROJECT SERVICES DEPARTMENT
CHICO, CALIFORNIA

NOTICE TO CONTRACTORS – PUBLIC WORKS PROJECT

STATE ROUTE 32 WIDENING PROJECT (PHASE 1)
PROJECT NO. 15010
FROM EAST OF PARK AND RIDE LOT TO EL MONTE AVENUE
(Project Title)

MAJGC/15010-300-4150
(Budget Account No.)

NOTICE INVITING BIDS - The City of Chico will receive sealed bids for the above public works project at the Capital Project Services Department, located at the Chico Municipal Center, 2nd Floor, 411 Main Street, Chico, CA 95928 (Mailing Address: P. O. Box 3420, Chico, CA 95927), until 4:00 PM **JANUARY 24th, 2012**, at which time they will be publicly opened and read aloud. A planholders list or, once the results have been determined by staff, bid results, may be obtained at the following City website address: www.chico.ca.us. On the Home page, click Departments, Capital Project Services, Projects to Bid.

GENERAL WORK DESCRIPTION – The work, in general, to be done under this contract consists of roadway widening, pavement rehabilitation and overlay of existing roadway, bridge widening, drainage improvements, signal modifications, soundwalls, steel-backed timber guardrail, landscaping, and all necessary appurtenances, all in conformance with the attached contract specifications and the details as shown on the contract plans entitled:

STATE ROUTE 32 WIDENING PROJECT (PHASE 1)
PROJECT NO. 15010
FROM EAST OF PARK AND RIDE LOT TO EL MONTE AVENUE

BIDDERS INFORMATION – Bid documents (plans and specifications) and supplemental information (Cross-Sections, Geotechnical Reports, Storm Water Pollution Prevention Plan, Bridge As-built information, Bridge Foundation Report with Addendums, and Bridge Design Hydraulic Study Report) may be obtained for a NONREFUNDABLE FEE, plus delivery (if mailed), through Brownie's Digital Imaging, 1322 V Street, Sacramento, CA 95818. Phone: 916-443-1322. Fax: 916-442-5305. Email: central@browniesrepro.com. Inquire with the Planwell department.

Bid documents and supplemental information, shipping and handling charges are determined by Brownie's. Bid documents and supplemental information are also posted on the City of Chico website at www.chico.ca.us, click Departments, Capital Project Services, Projects to bid. Cross-Sections, Geotechnical Reports, Storm Water Pollution Prevention Plan, Bridge As-built information, Bridge Foundation Report with Addendums, and Bridge Design Hydraulic Study Report are provided for informational purposes only. All addenda will be posted through Brownie's Digital Imaging and will also be posted on the City of Chico website. Planholders list is only available through Brownie's Digital Imaging. Contractors will only be listed on the Planholders list if they have purchased through Brownie's Digital Imaging.

Bid documents and supplemental information may be examined at the Capital Project Services Department, located at the Chico Municipal Center, 2nd Floor, 411 Main Street, Chico, CA. Copies of all bid documents and supplemental information are to be requested and obtained through Brownies Digital Imaging. Technical questions should be directed to the City Capital Project Services Department at (530) 879-6931, Fax (530) 895-4899. Responses to questions will be addressed in combination with the designer and contract manager as appropriate. Questions and Requests for Information will not be responded to beginning 7 calendar days prior to bid opening.

BID SUBMITTAL REQUIREMENTS - Bidders may only submit their bids on proposal forms provided by the City. **Bids must be submitted in a sealed envelope plainly marked on its outside with the project title, City budget account number (see above), the bid opening date and bid opening time.** Each bid must be accompanied by cash, a certified or cashier's check, or a bid bond in favor of the CITY OF CHICO in an amount equal to at least ten percent (10%) of the amount bid, such guaranty to be forfeited should the bidder to whom the contract is awarded fail to enter into the contract.

BID AWARD PROVISIONS; REJECTION - An award of bid, if a bid is awarded, will be made to the lowest responsible bidder whose bid complies with the City's requirements within **seventy- five (75) days** of the bid opening date. The City reserves the right, in its sole discretion, to reject any bid which fails to meet bid requirements in any respect, to reject all bids for any reasons whatsoever and to waive minor irregularities in any bid.

In addition to its right to accept or reject any and all bids, the City reserves the right in its sole discretion to base the award of bid on the inclusion of any, all, or none of the additive or alternate bid items, included in the bid proposal.

INSURANCE; BONDS REQUIRED - The bidder to whom a contract is awarded will be required to furnish to the City evidence of insurance coverage(s) and performance/labor and materials bonds in full compliance with the provisions of the contract documents.

OUT OF STATE VENDORS - Since the City is required to pay the California use tax on goods purchased from an out of state vendor, out of state vendors who do not pay California sales tax, directly or subject to a California State Use Tax Permit, must include the use tax in the bid total. The use tax shall be calculated based on the sales tax rate applicable in the City of Chico at the time the bid is prepared.

LICENSING REQUIREMENTS - At the time the City awards the contract for this project, the Contractor shall possess either a Class A Contractor License or a combination of classes required by the categories and types of work included in this contract

PREVAILING WAGES: PAYMENT REQUIRED - Prevailing State wages are required to be paid to members of each craft or classification performing work on this project. A copy of the current State Prevailing Wage Determination for this project is on file in the Capital Project Services Department at 411 Main Street, 2nd Floor. (State prevailing wages are also available on the Internet at http://www.dir.ca.gov/DLSR/statistics_research.html).

APPRENTICESHIP STANDARDS - In accordance with the provisions of Part 7, Chapter 1, Article 2, Section 1777.5 of the Labor Code of the State of California, the prime contractor shall be responsible for fully complying with the provisions of this Section, as well as any regulations adopted by the Director of Industrial Relations, for all apprenticeable crafts or trades, and shall also assure compliance by his/her sub-contractors with respect to such apprenticeable crafts or trades.

PAYMENT RETENTIONS; SUBSTITUTION OF SECURITIES - ~~Ten percent (10%)~~ **Five percent (5%)** will be withheld from each progress payment made to the contractor for work performed and will be held until completion of the work, its acceptance and the expiration of the period provided by law for filing liens by laborers or materialmen. In accordance with the provisions of Section 22300 of the Public Contract Code of the State of California, securities may be substituted for the monies which the City withholds, or the Contractor may request that retention be paid to an escrow agent.

PUBLISH DATE: DECEMBER 23rd, 2011

III. SPECIAL PROVISIONS

STATE ROUTE 32 WIDENING PROJECT (PHASE 1)

PROJECT NUMBER 15010

FROM EAST OF PARK AND RIDE LOT TO EL MONTE AVENUE

A. DEFINITIONS

The work embraced herein shall be done in accordance with the appropriate provisions of construction details of the specifications entitled State of California, Department of Transportation, Standard Specifications dated May 2006 and as revised, which specifications are hereinafter referred to as the Standard Specifications, the latest edition of the Caltrans Construction Manual and the Caltrans Right of Way Manual and the City of Chico Design Criteria and Improvement Standards, insofar as the same may apply, and in accordance with the following special provisions.

Whenever in the Standard Specifications the following terms are used, they shall be understood to mean and refer to the following:

Department of Transportation - The CAPITAL PROJECT SERVICES DEPARTMENT of the City of Chico.

Director, Department of Transportation - The Capital Project Services Director of the City of Chico.

Engineer - The Capital Project Services Director of the City of Chico acting either directly or through properly authorized agents, such agents acting within the scope of the particular duties entrusted to them.

Laboratory - The designated laboratory authorized by the Capital Project Services Director to test materials and work involved in the contract.

State - The City of Chico.

Other terms appearing in the Standard Specifications, the General Provisions, and these Special Provisions, shall have the intent and meaning specified in Section 1, Definition of Terms of the Standard Specifications.

In case of conflict between the Standard Specifications and these Special Provisions, the Special Provisions shall take precedence over and be used in lieu of such conflicting portions.

Amendments to the Standard Specifications set forth in these special provisions shall be considered as part of the Standard Specifications for the purposes set forth in Section 5-1.04, "Coordination and Interpretation of Plans, Standard Specifications and Special Provisions," of the Standard Specifications. Whenever either the term "Standard Specifications is amended" or the term "Standard Specifications are amended" is used in the special provisions, the indented text or table following the term shall be considered an amendment to the Standard Specifications. In case of conflict between such amendments and the Standard Specifications, the amendments shall take precedence over and be used in lieu of the conflicting portions.

B. REQUIRED LISTING OF PROPOSED SUBCONTRACTORS

The third paragraph of section 8-1.01, "Subcontracting," of the state Standard Specifications shall not apply. The Contractor shall not be required to perform at least 50% of the original total contract price with his own organization.

Each proposal shall have listed therein the name and address of each subcontractor, the associated bid item numbers, and the dollar value of the subcontractors work to whom the bidder proposes to subcontract portions of the work, in accordance with the Subletting and Subcontracting Fair Practices Act, commencing with Section 4100 of the Public Contract Code. The list shall include all subcontractors regardless of the value of the subcontract amount. The bidder's attention is invited to other provisions of said Act related to the imposition of penalties for failure to observe its provisions by using unauthorized subcontractors or by making unauthorized substitutions.

A sheet for listing the subcontractors, as required herein, is included in the Proposal. If there will be no subcontractors, enter "None" on the subcontractor's listing sheet.

C. PAYMENTS

In determining the partial payments to be made to the Contractor, only the following listed materials will be considered for inclusion in the payment as materials furnished but not incorporated in the work:

- A. Precast Concrete Soundwall
- B. Steel-Backed Timber Guardrailing
- C. Bar Reinforcing Steel (Bridge)
- D. Tubular Bicycle Railing
- E. Precast Concrete Piles
- ~~F. Schedule 40 PVC~~
- F. PVC Mainline (Schedule 40 PVC)
- G. PVC Lateral Lines (Schedule 40 PVC)
- ~~GH. Conduit (Remote Control Wire Conduit-Schedule 40 PVC)~~
- ~~HI. Signal Standards-Modify Signal and Lighting (Location 1)~~

For the purpose of making partial payments, the amount set forth for the contract items of work hereinafter listed shall be deemed to be the maximum value of the contract item of work which will be recognized for progress payment purposes.

Storm Water Pollution Prevention Plan	\$5,000
Clearing and Grubbing	\$50,000
Develop Water Supply	\$10,000

After acceptance of the contract pursuant to the provisions in Section 7-1.17, "Acceptance of Contract," of the Standard Specifications, the amount, if any, payable for a contract item of work in excess of the maximum value for progress payment purposes hereinabove listed for the item, will be included for payment in the first estimate made after acceptance of the contract.

RETENTIONS

In lieu of the amounts for retention specified under Item "(b) Progress Payment" of Section "H. Measurement and Payment" of the City of Chico Standard General Provisions, The City of Chico shall retain five percent (5%) from progress payments due the Contractor for work performed (Pub Cont Code 7201).

D. SUPPLEMENTAL PROJECT INFORMATION

The Department makes the following supplemental project information available:

O. QUANTITIES

The preliminary estimates of the quantities of work to be done and materials to be furnished are approximate only, being given as a basis for the comparison of bids, and the City of Chico does not expressly or by implication agree that the actual amount of work will correspond therewith, but reserves the right to increase or decrease the amount of any class or portion of the work or to omit portions of the work that may be deemed necessary or expedient by the Engineer.

P. PAYROLL RECORDS

Attention is directed to Section 7-1.01A(3), "Payroll Records", of the Standard Specifications.

The third paragraph of Section 7-1.01A(3) is replaced with the following:

A copy of all payrolls shall be submitted weekly to the Engineer. In addition to submitting copies of all payrolls to the Engineer, this project is subject to monitoring and enforcement by Division of Labor Standards Enforcement (DLSE). Certified Payrolls (CPRs) shall be submitted weekly to Compliance Monitoring Unit (CMU) through the electronic website located at <https://app.mylcm.com> as required by SBX-9 and AB436. Payrolls shall contain the full name, address and social security number of each employee, the employee's correct classification, rate of pay, daily and weekly number of hours worked, itemized deductions made and actual wages paid. They shall also indicate apprentices and ratio of apprentices to journeymen. The employee's address and social security number need only appear on the first payroll on which that name appears. The payroll shall be accompanied by a "Statement of Compliance" signed by the employer or the employer's agent indicating that the payrolls are correct and complete and that the wage rates contained therein are not less than those required by the contract. The "Statement of Compliance" shall be on forms furnished by the Department or on any form with identical wording. The Contractor shall be responsible for the submission of copies of payrolls of all subcontractors.

The Contractor shall post at the job site the "Compliance Monitoring Unit (CMU)" poster required by 8 Cal. Code Reg. Section 16451(d). Posters are available at the DLSE District Offices or by emailing a request to CMU@dir.ca.gov.

Bidders, Prime Contractors and all Subcontractors shall be responsible for investigating and complying with the requirements of this provision and become informed with the requirements of SBX-9 and AB-436. Information regarding the reporting requirements and forms relating to Labor Compliance Reporting can be found on the Department of Industrial Relations Website at: <http://www.dir.ca.gov/dlse/cmucmu.html>.

Full compensation for complying with the requirements outlined in this section shall be considered as included in the various contract items of work, and no additional payment will be allowed therefor.

PQ. CONSTRUCTION PROCEDURES AND DETAILS

1. CONSTRUCTION PROJECT INFORMATION SIGNS

Before any major physical construction work readily visible to highway users is started on this contract, the Contractor shall furnish and erect 2 2006 State Transportation Bond Funding Identification signs at the locations designated by the Engineer.

The signs and overlays shall be of a type and material consistent with the estimated time of completion of the project and shall conform to the details shown on the plans.

The sign letters, the border and the Department's construction logos shall conform to the colors (non-reflective) and details shown on the plans, and shall be on a white background (non-reflective). The colors blue and orange shall conform to PR Color Number 3 and Number 6, respectively, as specified in the Federal Highway Administration's Color Tolerance Chart.

The letter sizes to be used shall be as shown on the detail provided in these Special Provisions. The information shown on the signs shall be limited to that shown in the provided detail.

The signs shall be kept clean and in good repair by the Contractor.

Upon completion of the work, the signs shall be removed and disposed of outside the highway right of way in conformance with the provisions in Section 7-1.13 of the Standard Specifications.

Full compensation for furnishing and installing the 2006 State Transportation Bond Funding Identification signs, including removal and disposal upon project completion, shall be considered as included in the contract lump sum price paid for construction area signs and no additional compensation will be allowed therefor.

2. ORDER OF WORK

Order of work shall conform to the provisions in Section 5-1.05, "Order of Work," of the Standard Specifications and these special provisions.

Attention is directed to "Notification of Businesses" of these special provisions.

Attention is directed to "Access to Businesses" of these special provisions.

Attention is directed to "Precast Concrete Soundwall" of these special provisions.

Attention is directed to "Remove Tree" of these special provisions.

Attention is directed to "Clearing and Grubbing" of these special provisions.

Attention is directed to "Nonhighway Facilities (Including Utilities)" of these special provisions.

Attention is directed to the Biological Monitoring Program, the Regional Water Quality Control Permit, the Army Corps of Engineers Permit, and the Reclamation Board Permit Sections located elsewhere in these special provisions. The Contractor shall comply with all Order of Work and time restrictions identified within these sections.

Contractor shall not be allowed on private property for the removal of the existing fence and the construction of the soundwalls.

Attention is directed to "Miscellaneous Concrete Construction" of these special provisions regarding constructing a 2' x 2' test panel prior to constructing curb ramps with detectable warning surfaces.

Attention is directed to "Environmentally Sensitive Area" and "Temporary Fence (Type ESA)" of these special provisions. Prior to beginning work, the boundaries of the Environmentally Sensitive Areas (ESA) shall be clearly delineated in the field. The boundaries shall be delineated by the installation of temporary fence (Type ESA).

The first order of work shall be to place the order for the electrical equipment. The Engineer shall be furnished a statement from the vendor that the order for the electrical equipment has been received and accepted by the vendor.

The uppermost layer of new pavement shall not be placed until all underlying conduits and loop detectors have been installed.

Prior to commencement of the traffic signal functional test at any location, all items of work related to signal control shall be completed and all roadside signs, pavement delineation, and pavement markings shall be in place at that location.

Attention is directed to "Maintaining Traffic" and "Temporary Pavement Delineation" of these special provisions and to the stage construction sheets of the plans.

Attention is directed to "Progress Schedule (Critical Path Method)" of these special provisions regarding the submittal of a general time-scaled logic diagram within 10 days after approval of the contract. The diagram shall be submitted prior to performing any work that may be affected by any proposed deviations to the construction staging of the project.

K. Valve Boxes

1. Install valve boxes in shrub planter areas as indicated.
2. Install valve boxes as per details unless otherwise noted on plans.
3. Do not install more than three (3) valve boxes in any one single group.

L. Electrical Pull Boxes

1. Install electrical pull boxes at wire splice locations and as per details.
2. Install pull boxes at changes in direction and depth.
3. Install pull boxes every ~~150'~~**500'** along the conduit route.

M. Irrigation Heads

1. Install irrigation heads as detailed on the Drawings. Irrigation heads to be installed in this work shall be as per approved submittals.
2. Irrigation heads shall be installed plumb and vertical to finish grade unless otherwise noted on plan.
3. Replace all clogged nozzles with new nozzles.
4. Spacing of heads shall not exceed the maximum indicated on the Drawings. In no case shall the spacing exceed 95% of the maximum radius stated by the manufacturer.
5. Adjust radii and arch to obtain head to head coverage and to prevent over spray onto hardscape, buildings, signs, etc.
6. Swing joints shall be in accordance with the details and approved submittals.
7. Swing joints for heads shall be the same size as the inlet opening of the sprinkler body.
8. Add additional heads as needed to provide head to head coverage with no additional cost to the Engineer.

N. Emitters

1. Install per plans

O. Swing pipe

1. Install per plans
- P. Lightning Arrestor
1. Install per plans
- Q. Controller**
- 1. Install controller and metered electrical pedestal per plans**

SYSTEM ADJUSTMENT

- A. The Contractor shall flush and adjust all irrigation heads for optimum performance and to prevent over-spray onto walks, windows, roadways, and buildings.
- B. If it is determined that adjustments in the irrigation equipment shall provide proper and more adequate coverage, the Contractor shall make such adjustments after written approval by the City of Chico. Adjustments shall include changes in head locations, nozzle size and degrees of arc as required without additional contract costs.
- C. If it is determined that any irrigation equipment is improperly installed, the contractor shall reinstall the equipment to conform to contract documents.
- D. All irrigation heads shall be set perpendicular to finished grades unless otherwise designated on the Drawings.

TESTING OF THE IRRIGATION SYSTEM

- A. The Contractor shall request the presence of the City of Chico at least two (2) working days in advance of observation.
- B. Open Trench pipe observation.
- C. Emitter Test
 1. The initial emitter function test shall be performed prior to plant material installation.
 2. Perform a emitter function test in the presence of the City of Chico to determine if the water coverage for plant materials is complete and adequate.
 3. Furnish all materials and perform all work required to correct any inadequacies of coverage due to deviations from the Drawings or where the system has been willfully installed as indicated on the Drawings, when it is obviously inadequate without bringing this to the attention of the City of Chico.

WATER AUDIT

1. An audit will be performed per AB 1881 the State water conservation ordinance.

CONTRACTORS COMPENSATION SCHEDULE
STATE ROUTE 32 WIDENING PROJECT (PHASE 1)
PROJECT No. 15010
FROM EAST OF PARK AND RIDE LOT TO EL MONTE AVENUE
BUDGET ACCOUNT No. MAJGC/15010-300-4150

ITEM NO.	P-F	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT
1		PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS			
2		CONSTRUCTION SITE MANAGEMENT	LS			
3	P	STORM WATER POLLUTION PREVENTION PLAN	LS			
4		WATER POLLUTION CONTROL	LS			
5		STORM WATER ANNUAL REPORTS	EA			
6		CONSTRUCTION AREA SIGNS	LS			
7		TRAFFIC CONTROL SYSTEM	LS			
8		TYPE III BARRICADE	EA			
9		TEMPORARY PAVEMENT MARKING (PAINT)	SF			
10		TEMPORARY TRAFFIC STRIPE (PAINT)	LF			
11		CHANNELIZERS (SURFACE MOUNTED)	EA			
12		TEMPORARY PAVEMENT MARKER	EA			
13		PORTABLE CHANGEABLE MESSAGE SIGN	LS			
14		TEMPORARY RAILING (TYPE K)	LF			
15		TEMPORARY CRASH CUSION (TYPE ABSORB 350)	EA			
16		REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE	LF			
17		OBLITERATE SURFACING	SY			
18		REMOVE FENCE	LF			
19		REMOVE FLARED END SECTION	EA			
20		REMOVE THERMOPLASTIC TRAFFIC STRIPE	LF			
21		REMOVE THERMOPLASTIC PAVEMENT MARKING	SF			
22		REMOVE PAVEMENT MARKER	EA			
23		REMOVE ROADSIDE SIGN	EA			
24		RELOCATE ROADSIDE SIGN	EA			
25		MODIFY INLET TO MANHOLE	EA			
26		COLD PLANE AC PAVEMENT (0.15 MAX)	SY			

CONTRACTORS COMPENSATION SCHEDULE
STATE ROUTE 32 WIDENING PROJECT (PHASE 1)
PROJECT No. 15010
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ITEM NO.	P-F	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT
27		REMOVE CONCRETE (CURB AND GUTTER)	LF			
28		REMOVE CONCRETE (SIDEWALK)	CY			
29		CLEAN BRIDGE DECK	SF			
30		REMOVE METAL BEAM GUARD RAILING	LF			
31		BRIDGE REMOVAL (PORTION)	LS			
32	P	CLEARING AND GRUBBING	LS			
33		REMOVE TREE	EA			
34	P	DEVELOP WATER SUPPLY	LS			
35		ROADWAY EXCAVATION	CY			
36		LEAD COMPLIANCE PLAN	LS			
37	F	STRUCTURE EXCAVATION (BRIDGE)	CY			
38	F	STRUCTURE BACKFILL (BRIDGE)	CY			
39		DITCH EXCAVATION	CY			
40		IMPORTED BORROW	CY			
41		IMPORTED MATERIAL (SHOULDER BACKING)	TON			
42		COMPOST (INCORPORATE)	SY			
43		EROSION CONTROL (HYDROSEED)	SF			
44		2" CONDUIT	LF			
45		3" CONDUIT	LF	DELETED	DELETED	DELETED
46		6" CONDUIT	LF			
47		CLASS 2 AGGREGATE BASE	CY			
48		AGGREGATE BASE (APPROACH SLAB)	CY			
49		HOT MIX ASPHALT	TON			
50		HOT MIX ASPHALT (OPEN GRADED FRICTION COURSE)	TON			
51		PLACE HOT MIX ASPHALT DIKE (TYPE C)	LF			
52		PLACE HOT MIX ASPHALT DIKE (TYPE E)	LF			

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ITEM NO.	P-F	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT
53		PLACE HOT MIX ASPHALT DIKE (TYPE F)	LF			
54		PLACE HOT MIX ASPHALT (MISC AREA)	SY			
55		COLD FOAM IN PLACE RECYCLING	SY			
56	P-F	FURNISH PILING (CLASS 90) (ALTERNATIVE X)	LF			
57		DRIVE PILE (CLASS 90) (ALTERNATIVE X)	EA			
58	P-F	FURNISH PILING (15" PRECAST PILE EXTENSION)	LF			
59		DRIVE PILE (15" PRECAST PILE EXTENSION)	EA			
60	F	STRUCTURAL CONCRETE, BRIDGE	CY			
61	F	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE EQ)	CY			
62	F	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	CY			
63		PAVING NOTCH EXTENSION	CF			
64	F	DRILL AND BOND DOWEL	LF			
65		DRILL AND BOND DOWEL (CHEMICAL ADHESIVE)	EA			
66		JOINT SEAL (MR 1/2")	LF			
67	P-F	BAR REINFORCING STEEL (BRIDGE)	LB			
68	F	TREAT BRIDGE DECK	SF			
69		FURNISH BRIDGE DECK TREATMENT MATERIAL	GAL			
70	P	PRECAST CONCRETE SOUNDWALL	SF			
71		FURNISH SINGLE SHEET ALUMINUM SIGN PANEL (0.063"- UNFRAMED)	SF			
72		FURNISH SINGLE SHEET ALUMINUM SIGN PANEL (0.080"- UNFRAMED)	SF			
73		FURNISH SINGLE SHEET ALUMINUM SIGN PANEL (0.063"-FRAMED)	SF			
74		ROADSIDE SIGN (ONE POST)	EA			
75		ROADSIDE SIGN (TWO POST)	EA			
76		INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD)	EA			
77		18" APC	LF			
78		24" APC	LF			

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ITEM NO.	P-F	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT
79		18" AFES	EA			
80		24" AFES	EA			
81		DRAINAGE INLET	EA			
82		ROCK SLOPE PROTECTION (LIGHT, METHOD B)	CY			
83		ROCK SLOPE PROTECTION (BACKING No. 2, METHOD B)	CY			
84		ROCK SLOPE PROTECTION FABRIC	SY			
85		MINOR CONCRETE (MEDIAN CURB)	CY			
86		MINOR CONCRETE (RETAINING CURB)	CY			
87		MINOR CONCRETE (CURB & GUTTER)	CY			
88		MINOR CONCRETE (SIDEWALK)	CY			
89		MINOR CONCRETE (CURB RAMP)	CY			
90		MINOR CONCRETE (TEXTURED PAVING)	CY			
91		MISCELLANEOUS IRON AND STEEL	LB			
92		DELINEATOR	EA			
93		HIGHWAY POST MARKER	EA			
94		OBJECT MARKER	EA			
95		METAL BEAM GUARD RAILING (WOOD POST)	LF			
96		MINOR CONCRETE (VEGETATION CONTROL)	CY			
97	P-F	TUBULAR BICYCLE RAILING	LF			
98		DOUBLE METAL BEAM GUARD RAILING (WOOD POST)	LF			
99	P	STEEL-BACKED TIMBER GUARD RAILING	LF			
100	P	STEEL-BACKED TIMBER GUARD RAILING (DOUBLE SIDED)	LF			
101		TRANSITION RAILING (TYPE WB)	EA			
102		TERMINAL SYSTEM (TYPE CAT)	EA			
103		TERMINAL SYSTEM (TYPE CAT) BACKUP	EA			
104		ALTERNATIVE FLARED TERMINAL SYSTEM	EA			

CONTRACTORS COMPENSATION SCHEDULE
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ITEM NO.	P-F	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT
105	F	CONCRETE BARRIER (TYPE 732R)	LF			
106	F	CONCRETE BARRIER (TYPE 732)	LF			
107		THERMOPLASTIC TRAFFIC STRIPE	LF			
108		THERMOPLASTIC PAVEMENT MARKING	SF			
109		PAVEMENT MARKER (RETRO-REFLECTIVE)	EA			
110		MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION	LS			
111		SIGNAL AND LIGHTING (TEMPORARY)	LS			
112		INTERCONNECTION CONDUIT AND CABLE	LS			
113	P	MODIFY SIGNAL AND LIGHTING (LOCATION 1)	LS			
114		MODIFY SIGNAL AND LIGHTING (LOCATION 2)	LS			
115		RAISED PLANTER WALL CAP	LF			
116		RAISED PLANTER WALL FOOTING	LF			
117		FRONT RAISED PLANTER WALL	SF			
118		BACK RAISED PLANTER WALL	SF			
119		IMPORT TOPSOIL AND PLACEMENT	CY			
120		RAISED PLANTER BACKFILL	CY			
121		TREE PLANTING (15 GALLON SIZE, STAKED)	EA			
122		TREE PLANTING (15 GALLON SIZE, UN-STAKED)	EA			
123		SHRUB PLANTING (5 GALLON SIZE)	EA			
124		SHRUBS (1 GALLON SIZE)	EA			
125		VINES (1 GALLON)	EA			
126		WEED CONTROL	SF			
127		ROOT BARRIER	LF			
128		WOOD CHIP MULCH	CY			
129		WATER POINT OF CONNECTION	EA			
130		BACKFLOW PREVENTER ASSEMBLY	EA			

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ITEM NO.	P-F	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT
131		CONTROLLER	EA			
132		FLOW SENSING ASSEMBLY	EA			
133		ISOLATION VALVES	EA			
134		REMOTE CONTROL VALVES (SPRAY)	EA			
135		REMOTE CONTROL VALVES (DRIP)	EA			
136		2-WIRE DECODERS	EA			
137		QUICK COUPLER VALVES	EA			
138	P	PVC MAINLINE	LF			
139	P	PVC LATERAL LINES	LF			
140	P	CONDUIT	LF			
141		SLEEVING	LF			
142		LIGHTING ARRESTOR	EA			
143		PULL BOXES	EA			
144		SWING PIPE	LF			
145		EMITTERS	EA			
146		IRRIGATION HEAD	EA			
147		2 WIRE DECODER CABLE	LF			
148		WATER AUDIT	EA			
149		PLANT ESTABLISHMENT PERIOD	SF			
150		MOBILIZATION	LS			
TOTAL BID						

Notes:

- a. Contractors must use this form to provide bids (no exceptions or alterations are permitted).
- b. In order to be considered responsive, the bid schedule included in the proposal form must be filled out in its entirety. The City reserves the right to accept or reject any and all bids.

(F) Denotes Final Pay Item

(P) Denotes Partial Payment Items subject to the provisions outlined in Section C. Payments of the Special Provisions.

CONTRACTORS PROPOSAL FORM FOR
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ITEM NO.	P-F	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT
1		PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	1		
2		CONSTRUCTION SITE MANAGEMENT	LS	1		
3	P	STORM WATER POLLUTION PREVENTION PLAN	LS	1		
4		WATER POLLUTION CONTROL	LS	1		
5		STORM WATER ANNUAL REPORTS	EA	2		
6		CONSTRUCTION AREA SIGNS	LS	1		
7		TRAFFIC CONTROL SYSTEM	LS	1		
8		TYPE III BARRICADE	EA	14		
9		TEMPORARY PAVEMENT MARKING (PAINT)	SF	850		
10		TEMPORARY TRAFFIC STRIPE (PAINT)	LF	29000		
11		CHANNELIZERS (SURFACE MOUNTED)	EA	310		
12		TEMPORARY PAVEMENT MARKER	EA	570		
13		PORTABLE CHANGEABLE MESSAGE SIGN	LS	1		
14		TEMPORARY RAILING (TYPE K)	LF	6740		
15		TEMPORARY CRASH CUSION (TYPE ABSORB 350)	EA	8		
16		REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE	LF	7820		
17		OBLITERATE SURFACING	SY	1360		
18		REMOVE FENCE	LF	5530		
19		REMOVE FLARED END SECTION	EA	2		
20		REMOVE THERMOPLASTIC TRAFFIC STRIPE	LF	4710		
21		REMOVE THERMOPLASTIC PAVEMENT MARKING	SF	700		
22		REMOVE PAVEMENT MARKER	EA	410		
23		REMOVE ROADSIDE SIGN	EA	15		
24		RELOCATE ROADSIDE SIGN	EA	2		
25		MODIFY INLET TO MANHOLE	EA	1		
26		COLD PLANE AC PAVEMENT (0.15 MAX)	SY	2800		

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ITEM NO.	P-F	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT
27		REMOVE CONCRETE (CURB AND GUTTER)	LF	210		
28		REMOVE CONCRETE (SIDEWALK)	CY	9		
29		CLEAN BRIDGE DECK	SF	5980		
30		REMOVE METAL BEAM GUARD RAILING	LF	330		
31		BRIDGE REMOVAL (PORTION)	LS	1		
32	P	CLEARING AND GRUBBING	LS	1		
33		REMOVE TREE	EA	170		
34	P	DEVELOP WATER SUPPLY	LS	1		
35		ROADWAY EXCAVATION	CY	4790		
36		LEAD COMPLIANCE PLAN	LS	1		
37	F	STRUCTURE EXCAVATION (BRIDGE)	CY	196		
38	F	STRUCTURE BACKFILL (BRIDGE)	CY	82		
39		DITCH EXCAVATION	CY	1000		
40		IMPORTED BORROW	CY	8110		
41		IMPORTED MATERIAL (SHOULDER BACKING)	TON	120		
42		COMPOST (INCORPORATE)	SY	2840		
43		EROSION CONTROL (HYDROSEED)	SF	148000		
44		2" CONDUIT	LF	790		
45		3" CONDUIT	LF	89	DELETED	DELETED
46		6" CONDUIT	LF	430		
47		CLASS 2 AGGREGATE BASE	CY	9620		
48		AGGREGATE BASE (APPROACH SLAB)	CY	2		
49		HOT MIX ASPHALT	TON	11600		
50		HOT MIX ASPHALT (OPEN GRADED FRICTION COURSE)	TON	2450		
51		PLACE HOT MIX ASPHALT DIKE (TYPE C)	LF	39		
52		PLACE HOT MIX ASPHALT DIKE (TYPE E)	LF	400		

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ITEM NO.	P-F	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT
53		PLACE HOT MIX ASPHALT DIKE (TYPE F)	LF	50		
54		PLACE HOT MIX ASPHALT (MISC AREA)	SY	5		
55		COLD FOAM IN PLACE RECYCLING	SY	14200		
56	P-F	FURNISH PILING (CLASS 90) (ALTERNATIVE X)	LF	700		
57		DRIVE PILE (CLASS 90) (ALTERNATIVE X)	EA	16		
58	P-F	FURNISH PILING (15' PRECAST PILE EXTENSION)	LF	1596		
59		DRIVE PILE (15' PRECAST PILE EXTENSION)	EA	30		
60	F	STRUCTURAL CONCRETE, BRIDGE	CY	442		
61	F	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE EQ)	CY	26		
62	F	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	CY	18		
63		PAVING NOTCH EXTENSION	CF	120		
64	F	DRILL AND BOND DOWEL	LF	432		
65		DRILL AND BOND DOWEL (CHEMICAL ADHESIVE)	EA	130		
66		JOINT SEAL (MR 1/2")	LF	230		
67	P-F	BAR REINFORCING STEEL (BRIDGE)	LB	102342		
68	F	TREAT BRIDGE DECK	SF	5972		
69		FURNISH BRIDGE DECK TREATMENT MATERIAL	GAL	67		
70	P	PRECAST CONCRETE SOUNDWALL	SF	50700		
71		FURNISH SINGLE SHEET ALUMINUM SIGN PANEL (0.063"-UNFRAMED)	SF	91		
72		FURNISH SINGLE SHEET ALUMINUM SIGN PANEL (0.080"-UNFRAMED)	SF	120		
73		FURNISH SINGLE SHEET ALUMINUM SIGN PANEL (0.063"-FRAMED)	SF	21		
74		ROADSIDE SIGN (ONE POST)	EA	12		
75		ROADSIDE SIGN (TWO POST)	EA	1		
76		INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD)	EA	3		
77		18" APC	LF	20		
78		24" APC	LF	120		

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ITEM NO.	P-F	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT
79		18" AFES	EA	1		
80		24" AFES	EA	2		
81		DRAINAGE INLET	EA	2		
82		ROCK SLOPE PROTECTION (LIGHT, METHOD B)	CY	880		
83		ROCK SLOPE PROTECTION (BACKING No. 2, METHOD B)	CY	13		
84		ROCK SLOPE PROTECTION FABRIC	SY	1020		
85		MINOR CONCRETE (MEDIAN CURB)	CY	3		
86		MINOR CONCRETE (RETAINING CURB)	CY	7		
87		MINOR CONCRETE (CURB & GUTTER)	CY	27		
88		MINOR CONCRETE (SIDEWALK)	CY	22		
89		MINOR CONCRETE (CURB RAMP)	CY	11		
90		MINOR CONCRETE (TEXTURED PAVING)	CY	1		
91		MISCELLANEOUS IRON AND STEEL	LB	480		
92		DELINEATOR	EA	20		
93		HIGHWAY POST MARKER	EA	2		
94		OBJECT MARKER	EA	3		
95		METAL BEAM GUARD RAILING (WOOD POST)	LF	50		
96		MINOR CONCRETE (VEGETATION CONTROL)	CY	87		
97	P-F	TUBULAR BICYCLE RAILING	LF	288		
98		DOUBLE METAL BEAM GUARD RAILING (WOOD POST)	LF	200		
99	P	STEEL-BACKED TIMBER GUARD RAILING	LF	3520		
100	P	STEEL-BACKED TIMBER GUARD RAILING (DOUBLE SIDED)	LF	80		
101		TRANSITION RAILING (TYPE WB)	EA	2		
102		TERMINAL SYSTEM (TYPE CAT)	EA	2		
103		TERMINAL SYSTEM (TYPE CAT) BACKUP	EA	2		
104		ALTERNATIVE FLARED TERMINAL SYSTEM	EA	2		

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ITEM NO.	P-F	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT
105	F	CONCRETE BARRIER (TYPE 732R)	LF	141		
106	F	CONCRETE BARRIER (TYPE 732)	LF	147		
107		THERMOPLASTIC TRAFFIC STRIPE	LF	30200		
108		THERMOPLASTIC PAVEMENT MARKING	SF	1950		
109		PAVEMENT MARKER (RETRO-REFLECTIVE)	EA	760		
110		MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION	LS	1		
111		SIGNAL AND LIGHTING (TEMPORARY)	LS	1		
112		INTERCONNECTION CONDUIT AND CABLE	LS	1		
113	P	MODIFY SIGNAL AND LIGHTING (LOCATION 1)	LS	1		
114		MODIFY SIGNAL AND LIGHTING (LOCATION 2)	LS	1		
115		RAISED PLANTER WALL CAP	LF	340		
116		RAISED PLANTER WALL FOOTING	LF	340		
117		FRONT RAISED PLANTER WALL	SF	590		
118		BACK RAISED PLANTER WALL	SF	320		
119		IMPORT TOPSOIL AND PLACEMENT	CY	1660		
120		RAISED PLANTER BACKFILL	CY	75		
121		TREE PLANTING (15 GALLON SIZE, STAKED)	EA	88		
122		TREE PLANTING (15 GALLON SIZE, UN-STAKED)	EA	39		
123		SHRUB PLANTING (5 GALLON SIZE)	EA	1690		
124		SHRUBS (1 GALLON SIZE)	EA	620		
125		VINES (1 GALLON)	EA	590		
126		WEED CONTROL	SF	86800		
127		ROOT BARRIER	LF	1040		
128		WOOD CHIP MULCH	CY	790		
129		WATER POINT OF CONNECTION	EA	2		
130		BACKFLOW PREVENTER ASSEMBLY	EA	2		

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FROM EAST OF PARK AND RIDE LOT TO EL MONTE AVENUE
BUDGET ACCOUNT No. MAJGC/15010-300-4150

ITEM NO.	P-F	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT
131		CONTROLLER	EA	2		
132		FLOW SENSING ASSEMBLY	EA	2		
133		ISOLATION VALVES	EA	11		
134		REMOTE CONTROL VALVES (SPRAY)	EA	3		
135		REMOTE CONTROL VALVES (DRIP)	EA	14		
136		2-WIRE DECODERS	EA	17		
137		QUICK COUPLER VALVES	EA	55		
138	P	PVC MAINLINE	LF	8300		
139	P	PVC LATERAL LINES	LF	23000		
140	P	CONDUIT	LF	8000		
141		SLEEVING	LF	80		
142		LIGHTING ARRESTOR	EA	17		
143		PULL BOXES	EA	22		
144		SWING PIPE	LF	23000		
145		EMITTERS	EA	5050		
146		IRRIGATION HEAD	EA	83		
147		2 WIRE DECODER CABLE	LF	6600		
148		WATER AUDIT	EA	1		
149		PLANT ESTABLISHMENT PERIOD	SF	243000		
150		MOBILIZATION	LS	1		
TOTAL BID						

Notes:

- a. Contractors must use this form to provide bids (no exceptions or alterations are permitted).
- b. In order to be considered responsive, the bid schedule included in the proposal form must be filled out in its entirety. The City reserves the right to accept or reject any and all bids.

(F) Denotes Final Pay Item

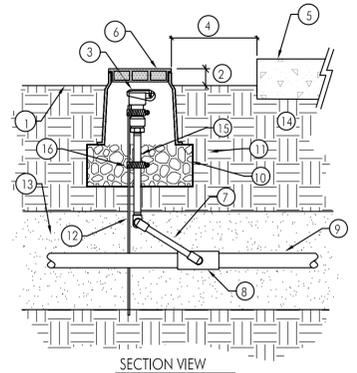
(P) Denotes Partial Payment Items subject to the provisions outlined in Section C. Payments of the Special Provisions.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But	32	10.3/11.3	125	144

Brian Firth
 LICENSED LANDSCAPE ARCHITECT DATE 12-22-11
 DECEMBER 22, 2011
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

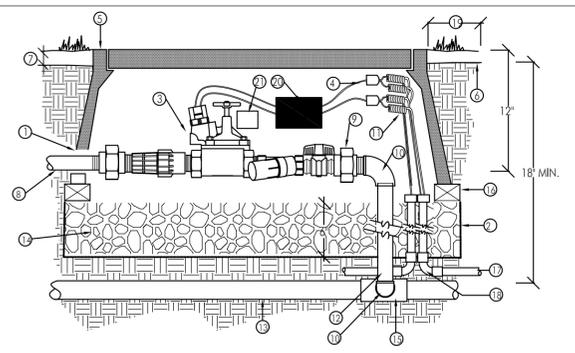


BRIAN FIRTH LANDSCAPE ARCHITECT, INC. CITY OF CHICO
 627 BROADWAY, SUITE 220 CAPITAL PROJECT SERVICES
 CHICO, CALIFORNIA 95928 CHICO, CA 95927

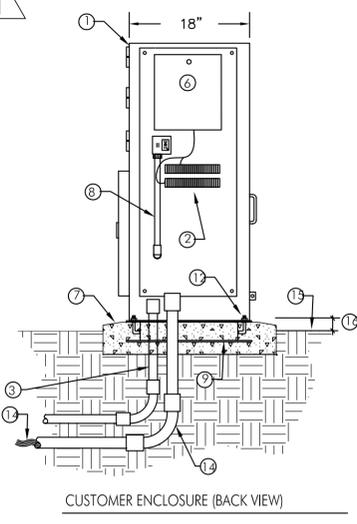


- ⑥ 10" DIAMETER PLASTIC VALVE BOX WITH BOLT DOWN LOC KIT. HEAT BRANDED "QC" ON TOP
 - ⑦ MANUFACTURED TRIPLE SWING JOINT, KBI MODEL TSA-1000-TT OR APPROVED EQUAL
 - ⑧ PVC SCHEDULE 80 TEE
 - ⑨ PVC CLASS 315 OR SCHEDULE 40 MAINLINE, SIZE PER PLAN
 - ⑩ 3/4" CRUSHED ROCK, 6" MINIMUM DEPTH
 - ⑪ 1/4" GALVANIZED WIRE CLOTH
 - ⑫ #4 X 30" REBAR, SECURE TO QUICK COUPLER VALVE WITH STAINLESS STEEL HOSE CLAMPS AND SCREWS (TYP. 2 PLCS.)
 - ⑬ SAND BACKFILL, 6" ABOVE AND BELOW MAIN LINE
 - ⑭ NATIVE SUBGRADE
 - ⑮ PVC SCHEDULE 80 NIPPLE, LENGTH AS NEEDED
 - ⑯ STAINLESS STEEL HOSE CLAMP WITH STAINLESS STEEL SCREWS (TYP. 2 PLCS.)
- NOTE:
 ALL NON "O" RING THREADED CONNECTIONS SHALL RECEIVE MIN. 3 WRAPS OF TEFLON TAPE.

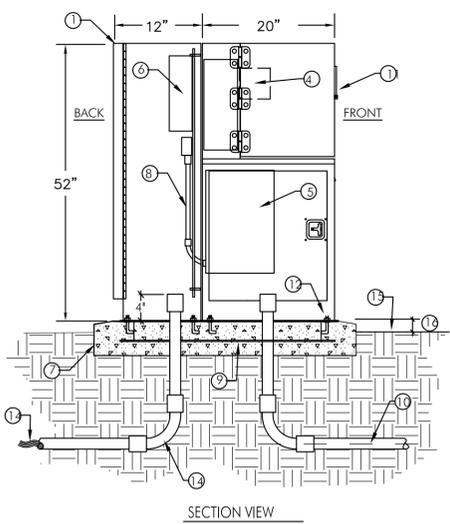
- ① FINISH GRADE
- ② SET TOP OF BOX ABOVE FINISH GRADE: 3-1/2" ABOVE FINISH GRADE. LANDSCAPE AREAS RECEIVING WOOD CHIP MULCH. 1/2" ABOVE FINISH GRADE IN AREAS RECEIVING HYDROSEED
- ③ QUICK COUPLING VALVE WITH LOCKING RUBBER COVER; SET VALVE HEIGHT SO QUICK COUPLER KEY CLEARS VALVE BOX.
- ④ SET VALVE BOX 12" FROM EDGE OF PLANTING AREA
- ⑤ CURB, HEADER OR PAVING WHERE APPLICABLE



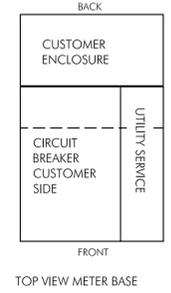
- ① TRIM VALVE BOX TO PROVIDE 1" CLEARANCE OVER PIPE
 - ② 1/4" GALVANIZED WIRE CLOTH PLACED ABOVE GRAVEL
 - ③ REMOTE CONTROL DRIP VALVE ASSEMBLY; SIZE AND MODEL PER PLAN
 - ④ LOCKING WATERPROOF WIRE CONNECTOR, MODELS TKHP LV-9000, DS-400 OR APPROVED EQUAL
 - ⑤ PLASTIC VALVE BOX WITH LOCKING COVER. CARSON MODEL 1220-12 OR APPROVED EQUAL. SEE SPECIFICATIONS.
 - ⑥ FINISH GRADE
 - ⑦ 3-1/2" ABOVE FINISH GRADE LANDSCAPE AREAS RECEIVING WOOD CHIP MULCH. 1/2" ABOVE FINISH GRADE IN AREAS RECEIVING HYDROSEED
 - ⑧ PVC SCHEDULE 40 LATERAL LINE, PROVIDE 18" LENGTH PRIOR TO FIRST FITTING
 - ⑨ SCHEDULE 80 PVC UNION, T x T (TYP. 2 PLCS.)
 - ⑩ SCHEDULE 40 PVC ELBOW, S x T
 - ⑪ 2-WIRE DECODER CABLE, RAINMASTER MODEL: TW-CAB-14 OR APPROVED EQUAL. PROVIDE MINIMUM 18" COILED EXTRA IN VALVE BOX
 - ⑫ SCHEDULE 40 PVC NIPPLE, LENGTH AS REQUIRED
 - ⑬ PVC SCHEDULE 40 OR CLASS 315 MAINLINE. 18" MINIMUM COVER. SEE SPECIFICATIONS.
 - ⑭ 3/4" CRUSHED ROCK; 6" DEPTH
 - ⑮ SCHEDULE 80 PVC TEE (S x S x S)
 - ⑯ (4) COMMON BRICKS FOR VALVE BOX SUPPORT
 - ⑰ PVC SCHEDULE 40 CONDUIT; SIZE AS NEEDED. SEE SPECIFICATIONS.
 - ⑱ PVC SCHEDULE 40 CONDUIT SWEEP, COUPLED BOTH ENDS
 - ⑲ 17" FROM EDGE OF TRAVELLED WAY, 9 FEET FROM EDGE OF ASPHALT.
 - ⑳ 2 WIRE DECODER, RAINMASTER TW-D-1, 1 PER REMOTE CONTROL VALVE, TYPICAL.
 - ㉑ VALVE IDENTIFICATION TAG. SEE BOOK FORM SPECIFICATIONS.
- NOTES:
 1. ALL SLIP FITTINGS TO BE PRIMED AND GLUED.
 2. ONE VALVE PER BOX
 3. INSTALL MINIMUM OF 12" FROM STRUCTURES OR HARDSCAPE.
 4. INSTALL IN PLANTER BEDS WHERE POSSIBLE.
 5. PLACE VALVE BOX AT RIGHT ANGLES TO STRUCTURES OR HARDSCAPE.
 6. USE MIN. 3 WRAPS OF TEFLON TAPE AT EACH THREADED CONNECTION.
 7. SEE IRRIGATION PLANS FOR LIGHTNING ARRESTOR/ GROUNDING LOCATIONS. SEE IRRIGATION LEGEND, SHEET IS-2.0 FOR ADDITIONAL INFORMATION



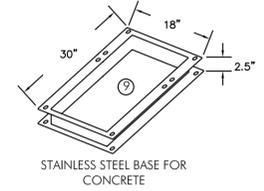
- ① STAINLESS STEEL METER PEDALED AND CONTROLLER ENCLOSURE.
- ② CSA SUBASSEMBLY; SEE PLANS AND SPECIFICATIONS
- ③ 1" PVC SCHEDULE 40 CONDUIT WITH POTS TELEPHONE CABLE AS PER ATT SPECIFICATIONS
- ④ METER SOCKET WITH TEST BLOCKS
- ⑤ LOAD CENTER
- ⑥ IRRIGATION CONTROLLER, MODEL PER PLANS AND SPECIFICATIONS
- ⑦ POURED CONCRETE BASE; 6" MINIMUM THICKNESS. EXTEND 6" BEYOND OUTSIDE DIMENSIONS OF ENCLOSURE WITH 1/2% SLOPE FOR DRAINAGE.
- ⑧ 120V POWER SUPPLY IN CONDUIT PER N.E.C.
- ⑨ STAINLESS STEEL MOUNTING BASE IN CONCRETE



- ⑩ UNDERGROUND SERVICE BY PGE. CONTRACTOR TO PROVIDE AND INSTALL SWEEP AND RISER PER N.E.C.
 - ⑪ METER VIEWING WINDOW, 2" X 4"
 - ⑫ 3/8" STAINLESS ANCHOR BOLTS (TYPICAL)
 - ⑬ 3" PVC SCHEDULE 40 CONDUIT FOR REMOTE CONTROL VALVE WIRES. EXTEND 18" MINIMUM BEYOND CONCRETE PAD.
 - ⑭ CONTROL WIRES IN CONDUIT TO VALVES.
 - ⑮ FINISH GRADE
 - ⑯ SET CONCRETE PAD ABOVE FINISH GRADE: 1/2" IN SEED, 3-1/2" IN SHRUB PLANTERS
 - ⑰ PVC SCHEDULE 40 CONDUIT; 3" MINIMUM SIZE TO 18" BEYOND CONCRETE PAD THEN SIZE PER PLAN
- NOTE:
 1. SERVICE PEDALED SHALL CONFORM TO PG&E SPECIFICATIONS.
 2. ELECTRIC WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.
 3. CONTRACTOR RESPONSIBLE TO COORDINATE WITH PGE AND THE CITY OF CHICO



BACK
 CUSTOMER ENCLOSURE
 FRONT
 CIRCUIT BREAKER CUSTOMER SIDE
 UTILITY SERVICE
 NTS



HIGHWAY 32- PHASE 1
 LANDSCAPE IRRIGATION
 DETAILS

QUICK COUPLER VALVE 6

17" FROM EDGE OF TRAVELLED WAY / 9" FROM EDGE OF ASPHALT

1. CENTER VALVE BOX OVER REMOTE CONTROL VALVE TO FACILITATE SERVICING VALVE.

2. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE OF HIGHWAY OR SIDEWALK (WHERE APPLICABLE)

3. AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES.

4. INSTALL VALVE BOX EXTENSION BY VALVE BOX MANUFACTURER AS REQUIRED TO COMPLETELY ENCLOSE VALVE ASSEMBLY.

REMOTE CONTROL VALVE (DRIP) 4

⑤ 8" DIAMETER SCHEDULE 40 PVC PIPE, LENGTH AS REQUIRED

⑥ 3/4" CRUSHED ROCK; 6" MINIMUM DEPTH

⑦ GATE VALVE 2-1/2" AND SMALLER WITH BRONZE CROSS HANDLE. SEE SPECIFICATIONS.

⑧ PVC SCHEDULE 40 OR CLASS 315 MAIN LINE AS PER PLANS

⑨ PVC SCHEDULE 40 COUPLER

⑩ PVC SCHEDULE 80 T.O.E. NIPPLE

⑪ 1/4" GALVANIZED WIRE CLOTH

⑫ WRAP ALL PVC PIPE EXPOSED TO CRUSHED ROCK WITH 20MIL CORROSION RESISTANT TAPE.

⑬ SAND BACKFILL, 6" ABOVE AND BELOW MAIN LINE

NOTE:
 1. GATE VALVES 2-1/2" AND SMALLER SHALL BE THREADED.
 2. WHEN THE MAIN LINE IS TERMINATED AT THE VALVE, EXTEND MAIN LINE 48" BEYOND VALVE BOX AND CAP.

① FINISH GRADE

② SET TOP OF BOX ABOVE FINISH GRADE: 3-1/2" ABOVE FINISH GRADE LANDSCAPE AREAS RECEIVING WOOD CHIP MULCH. 1/2" ABOVE FINISH GRADE IN AREAS RECEIVING HYDROSEED

③ ALLOW 3" BETWEEN TOP OF THE INTERIOR VALVE BOX COVER AND PVC PIPE.

④ GREEN PLASTIC VALVE BOX WITH BOLT DOWN LOC-KIT; CARSON MODEL 910 OR APPROVED EQUAL

CONTROLLER 2

① NORMALLY OPENED MASTER VALVE, INSTALL DOWNSTREAM OF BACKFLOW PREVENTER (SEE PLANS AND SPECIFICATIONS)

② TEE MOUNTED FLOW SENSOR (SEE PLANS AND SPECIFICATIONS)

③ PVC SCHEDULE 40 OR CLASS 315 MAINLINE

④ 2-WIRE DECODER CABLE, RAINMASTER MODEL: TW-CAB-14 OR APPROVED EQUAL. PROVIDE MINIMUM 18" COILED EXTRA IN VALVE BOX

⑤ WATERPROOF CONNECTIONS 3M MODEL DBR-6 OR APPROVED EQUAL. (NOTE POLARITY ON SENSOR TO SENSOR CABLE HOOKUP.)

⑥ GREEN PLASTIC VALVE BOX WITH BOLT DOWN LOC-KIT; CARSON MODEL 1419 OR APPROVED EQUAL.

⑦ PVC SCHEDULE 80 UNION, S S (TYP. 2 PLCS.)

⑧ PVC SCHEDULE 80 NIPPLE, T.O.E.; SIZE PER VALVE SIZE, 3" MINIMUM LENGTH (TYP. 2 PLCS.)

⑨ PVC SCHEDULE 80 NIPPLE, T.O.E.; SIZE PER VALVE SIZE, 3" MINIMUM LENGTH (TYP. 2 PLCS.)

⑩ 2" PVC SCHEDULE 40 CONDUIT AND 2-WIRE CABLE FROM FLOW SENSOR AND MASTER VALVE TO CONTROLLER. INSTALL PULL BOXES AT CHANGES IN DIRECTION AND AS NEEDED

⑪ PVC REDUCER COUPLINGS (S x S), SIZE PER PIPE SIZE

⑫ (4) COMMON BRICKS FOR VALVE BOX SUPPORT

⑬ VALVE BOX EXTENSION

⑭ 3/4" CRUSHED ROCK; 6" MINIMUM DEPTH

⑮ 1/4" GALVANIZED WIRE CLOTH

⑯ VALVE BOX. CARSON 1419 OR EQUAL, COLOR: GREEN.

⑰ FINISH GRADE. TOP OF VALVE BOX TO BE 3-1/2" ABOVE FINISH GRADE AT LANDSCAPE AREAS RECEIVING WOOD CHIP MULCH. 1/2" ABOVE FINISH GRADE IN AREAS RECEIVING HYDROSEED

⑱ 2, #20 FOIL SHIELD W/ DRAIN BLACK JACKET, DIRECT BURIAL BLACK, WHITE. ALLOW 2' OF EXTRA CABLE. (EV-CAB-SEN)

NOTES:
 1. FLOW SENSOR MUST BE INSTALLED WITH INSERT (TOP) POSITIONED VERTICALLY AND BODY (TEE) POSITIONED HORIZONTALLY.

2. INSTALL FLOW SENSOR CABLE IN 1 1/4" CONDUIT FROM FLOW SENSOR TO CONTROLLER ENCLOSURE.

BACKFLOW PREVENTER ASSEMBLY 1

① REDUCED BACKFLOW PREVENTER, WILKINS 975XL2 OR APPROVED EQUAL (SIZE PER PLANS)

② UNION (TYPICAL)

③ 4" CONCRETE PAD: SET 3-1/2" ABOVE FINISH GRADE LANDSCAPE AREAS RECEIVING WOOD CHIP MULCH. 1/2" ABOVE FINISH GRADE IN AREAS RECEIVING HYDROSEED

④ FINISH GRADE

⑤ PVC SCHEDULE 40 OR CLASS 315 MAINLINE, SIZE AND TYPE PER PLAN

⑥ WRAP ALL BURIED GALVANIZED PIPE AND FITTINGS WITH 20MIL CORROSION PROTECTION TAPE.

⑦ PVC SCHEDULE 40 ADAPTER/BUSHING (MPT X SLIP).

⑧ STRONG BOX ENCLOSURE; SIZE AND MODEL PER PLAN

⑨ SCHEDULE 40 GALVANIZED PIPE AND FITTINGS

NOTE:
 1. INSTALL WITH INSULATED BACKFLOW BLANKET; SIZE AS REQUIRED.

2. PROVIDE LOCK KEYS TO CITY OF CHICO SPECIFICATIONS