



STATE OF CALIFORNIA

CITY OF PLACERVILLE
ENGINEERING DEPARTMENT

NOTICE TO BIDDERS, CONTRACT, AND PROPOSAL

BOOK 1 OF 2

FOR CONSTRUCTION OF

PLACERVILLE STATION PHASE II PARK-N-BUS

CITY OF PLACERVILLE

CIP #40708

AUGUST 2022

For use in Connection with California Department of Transportation Standard Specifications Dated **2018**, Revised Standard Specifications current as of October 15th, 2021, Standard Plans Dated **2018**, Revised Standard Plans current as of April 15th, 2022; City of Placerville Standard Plans; State of California Labor Surcharge and Equipment Rental Rates; and Director of Industrial Relations General Prevailing Wage Rates.

Bids Open: September 22, 2022

**CITY OF PLACERVILLE, CALIFORNIA
ENGINEERING DEPARTMENT**

**PLACERVILLE STATION II PARK-N-BUS
CIP #40708**

AUGUST 29, 2022

The Special Provisions contained herein have been prepared by or under the direction of the following Registered Persons.

ROADWAY

Daniel Kehrer

DANIEL J. KEHRER, RCE 82663
REGISTERED CIVIL ENGINEER



LANDSCAPE

Scott A. Robinson

SCOTT A. ROBINSON, LLA 4271
LICENSED LANDSCAPE ARCHITECT



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**CITY OF PLACERVILLE
ENGINEERING DEPARTMENT**

**PLACERVILLE STATION II PARK-N-BUS
Project Number: CIP #40708**

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**CITY OF PLACERVILLE, CALIFORNIA
ENGINEERING DEPARTMENT**

NOTICE TO BIDDERS

NOTICE IS HEREBY GIVEN by the City of Placerville, State of California, that sealed bids for work in accordance with the Project Plans (Plans) and Contract Documents designated:

**PLACERVILLE STATION II PARK-N-RIDE
CIP #40708**

will be received electronically through QuestCDN, available to be submitted until Thursday, **September 22, 2022, at 2:00 PM.**

Bids will be opened after 2:00 pm and results will be tabulated and posted by close of business on the day of bid. Completeness of bid packages will be reviewed following the bid opening. Any incomplete packages received may be rejected.

No bid may be withdrawn following electronic submission or before the award and execution of the Contract, unless the award is delayed for a period exceeding one hundred and twenty (120) calendar days. Bids shall be executed in accordance with the instructions given and forms provided in the Contract Documents furnished by the City of Placerville, Engineering Department. All bids must be clearly referenced as:

**PLACERVILLE STATION II PARK-N-RIDE
CIP #40708**

TO BE OPENED AT 2:00 p.m., September 22, 2022

LOCATION/DESCRIPTION OF THE WORK: This project is located in the City of Placerville, El Dorado County at 2990 Mosquito Road. The work to be done is shown on the Plans, and generally consists of, but is not limited to:

Construction of a new park and ride facility, roadway and on/off-ramp widening, sewer pipe lining, grading, electrical, drainage, and landscaping improvements.

Other items or details not mentioned above, that are required by the Plans, Standard Specifications, or these Special Provisions, shall be performed, constructed or installed.

Bids are required for the entire Work described herein.

The contract time shall be 75 WORKING DAYS.

COST ESTIMATE (FOR BONDING PURPOSES): For bonding purposes, the anticipated project cost is less than \$1,300,000.

All bidders' questions shall be submitted in writing to the City via email to the contact information provided below. No verbal responses to any questions concerning the content of the Plans and Contract Documents will be given. All responses will be in the form of written addenda to the Contract Documents and Plans and posted directly to Quest CDN. Inquires or questions about alleged patent ambiguity of the plans, specifications, or estimate must be submitted as a bidder inquiry before bid opening. Bid inquiries must be received by 2:00 pm on September 15, 2022. After this time, the City will not consider these questions as bid protests.

City of Placerville
Engineering Department
Attn: Cory Schiestel, Associate Civil Engineer
3101 Center Street
Placerville, CA 95667
Email: cschiestel@cityofplacerville.org

OBTAINING OR INSPECTING CONTRACT DOCUMENTS: The Contract Documents and Plans are electronically available through Quest CDN and on the City's website at <https://www.cityofplacerville.org/rfp-rfq-projects-out-to-bid> beginning Monday, August 29, 2022. In light of concerns and physical distancing related to COVID19, hard copies for select items are to be provided by the two lowest bidders 24 hours after bid opening and may be dropped off or mailed to the Engineering Department at the address provided on the cover of this bid book. Bidder assumes full responsibility for printing the contract documents to scale and for evaluating existing site conditions in comparison with the contract documents for the project.

In order to submit a bid on this project, **bidders must be on the plan holders list through Quest CDN no later than September 21, 2022.** Only bidders on the plan holders list may submit a bid. Bidder is solely responsible for printing and binding the bid documents to scale from the digital format.

MANDATORY PRE-BID CONFERENCE: A mandatory pre-bid conference will be held in the field and will adhere to physical distancing requirements. All questions and their respective answers from the pre-bid conference will be documented and posted as an addendum through Quest CDN. **The date, time, and location of the Pre-Bid will be at the Placerville Station gravel lot at 2990 Mosquito Road on September 8, 2022 at 2:30 pm.**

SUBMISSION OF BIDS: The City Engineering Department will receive bids through electronic submission only until 2:00 pm on the bid open date through the Quest CDN bid forum. Bids will only be accepted from registered plan holders. Bids not properly completed may be considered nonresponsive. The City will open and post the received bids through Quest CDN prior to close of business on the day of the bid.

CONTRACTOR'S LICENSE CLASSIFICATION: In accordance with the Provisions of the California Public Contract Code Section 3300 and Section 10164, bidders shall be properly licensed to perform the Work from contract award through contract acceptance and shall possess a CLASS A license or equivalent combination of Classes required by the categories and type of Work included in the Contract Documents and Plans.

BUSINESS LICENSE: The Contractor must obtain and comply with all of the requirements of the City Business Ordinance, where applicable, before beginning work and through Contract Acceptance.

REQUIRED LISTING OF PROPOSED SUBCONTRACTORS: Each Proposal shall have listed therein the name and address of each subcontractor to whom the Bidder proposes to subcontract portions of the work in an amount in excess of ½ of one percent of his total bid or \$10,000, whichever is greater, in accordance with the Subletting and Subcontracting Fair Practices Act, commencing with section 4100 of the Public Contract Code. The Bidder's attention is directed to other provisions of said Act related to the imposition of penalties for a failure to observe its provisions by using unauthorized subcontractors or by making unauthorized substitutions.

DBE PARTICIPATION: The City has established that there will be a disadvantaged business enterprise (DBE) contract goal of 4 percent. The Contractor is required to take the necessary and reasonable steps to ensure that DBEs have opportunity to participate in the Contract (49 CFR 26.13(b)). Additional information and requirements are provided as Exhibit B to the Contract.

BUY AMERICA: Contractor must comply with 49 U.S.C. Section 5323(j) and 49 C.F.R. Part 661, which provide that Federal funds may not be obligated unless steel, iron, and manufactured products used in FTA-funded projects are produced in the United States, unless FTA has granted a waiver or the product is subject to a general waiver. General waivers are listed in 49 C.F.R. Section 661.7. Separate requirements for rolling stock are set out at Section 5323(j)(2)(c) and 49 C.F.R. Section 661.11. Rolling stock must be assembled in the United States and have a 60% domestic content. Contractor must submit the appropriate Buy America certification to the City Resident Engineer as set out in the bid documents with all bids or offers on FTA-funded contracts, except those subject to a general waiver. Bids or offers that are not accompanied by a completed Buy America Certification must be rejected as nonresponsive. This requirement does not apply to lower tier subcontractors.

A bidder or offeror who has submitted an incomplete Buy America certificate or an incorrect certificate of noncompliance through inadvertent or clerical error (but not including failure to sign the certificate, submission of certificates of both compliance and noncompliance, or failure to submit a certification), may submit to the FTA Chief Counsel within 10 days of bid opening a written explanation of the circumstances surrounding the submission of the incomplete or incorrect certification in accordance with 28 U.S.C. 1746, sworn under penalty of perjury, stating that the submission resulted from inadvertent or clerical error. The bidder or offeror will also submit evidence of intent, such as information about the origin of the product, invoices, or other working documents. The bidder or offeror will simultaneously send a copy of this information to the FTA grantee.

QUALITY ASSURANCE: The City has established a Quality Assurance Program (QAP) to ensure a material is produced to comply with the Contract. You may examine the records and reports of tests the City performs if they are available at the job site. Schedule work to allow time for QAP.

NONDISCRIMINATION: This Contract is subject to State and contract nondiscrimination and compliance requirements pursuant to Government Code, Section 12990 and shall be construed and interpreted in compliance with said provisions. The City of Placerville hereby notifies all Bidders that it will affirmatively ensure that in any Contract entered into pursuant to this advertisement, disadvantaged business enterprise will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for the award.

WAGE RATE REQUIREMENTS AND DEPARTMENT OF INDUSTRIAL RELATIONS: In accordance with the provisions of California Labor Code Sections 1770, 1773, 1773.1, 1773.2, 1773.6, and 1773.7, the general prevailing rate of wages in the County which the Work is to be done has been determined by the Director of the California Department of Industrial Relations. These wage rates appear in the California Department of Transportation publication entitled General Prevailing Wage Rates. Interested parties can obtain the current wage information by submitting their requests to the Department of Industrial Relations, Division of Labor Statistics and Research, PO Box 603, San Francisco, CA 94101, Phone (415) 972-8620. The rates at the time of the bid advertisement date of a project will remain in effect for the life of the project in accordance with the California Code of Regulation, as modified and effective January 27, 1997. Each Contractor must comply with the Federal wage requirements of the Davis-Bacon Act. The higher of the two rates (State and Federal) must be paid to each person working on the project.

Copies of the general prevailing rate of wages in the County in which the Work is to be done are also on file at the California Department of Transportation's principal office, and shall be made available upon request, or at the Internet address <http://www.dir.ca.gov>. The federal minimum wage rates for the project as predetermined by the United States Secretary of Labor are **not** included in the Proposal and Contract. The contractor is responsible to check current wage rates at <http://www.wdol.gov/dba.aspx>.

Per SB 854, this project is subject to compliance monitoring and enforcement by the DIR. No contractor or subcontractor may be listed on a bid proposal for a public works project submitted on or after March 1, 2015 unless registered with the DIR pursuant to Labor Code Sections 1771.1(a)(1), 1725.5, and 1771.1(a). No subcontractor may be awarded a contract for public work on a public works project (awarded on or after April 1, 2015) unless registered with the DIR pursuant to Labor Code 1725.5, see Labor Code 1771.1(b).

Notwithstanding the prior paragraph, an unregistered contractor that has submitted a bid authorized by Business and Professions Code Section 7029.1 or Public Contract Code Section 20103.5 will not be in violation of the law and will be eligible for award so long as the contractor is registered at the time the contract is awarded.

BID SECURITY: A bid security shall be provided with each bid. Bid security shall be in an amount of not less than ten percent (10%) of the total amount of the Bid and shall be cash, a certified check or cashier's check drawn for the order of the City of Placerville or a Bidder's Bond executed by a surety satisfactory to the City of Placerville on the form provided in the Proposal section of these Contract Documents (do not detach form). The Bidder to whom award is made shall provide Certificates of Insurance, and shall complete and submit the Performance Bond and Payment Bond in an amount of one hundred percent (100%) of the total Contract price plus change orders, to hold good for a period of one year after the completion and acceptance of the work, to protect the City against the results of defective materials, quality of work, and equipment during that time. The bond forms are contained within the Contract Documents.

AWARD OF CONTRACT, REJECTION, AND PROTESTS OF BIDS: Bids will be considered for award by the Placerville City Council. The City of Placerville reserves the right after opening bids to reject any or all bids, to waive any informality (non-responsiveness) or irregularity in a bid, or to make award to the lowest responsive, responsible Bidder and reject all other bids, as it may best serve the interest of the City. As a condition of award, the successful Bidder will be required to submit bonds and evidence of insurance prior to execution of the Agreement by the City. Failure to meet this requirement shall constitute abandonment of the Bid by the Bidder and forfeiture of the Bid Bond. Award will then be made to the next lowest responsible Bidder. Bid protests must be submitted in writing to the attention of the City Clerk before 4:00 pm of the 3rd calendar day following the bid due date.

RETAINAGE FROM PAYMENTS: The Contractor may elect to receive 100 percent of payments due under the Contract from time to time, without retention of any portion of the payment by the City, by depositing securities of equivalent value with the City in accordance with the provisions of Section 22300 of the Public Contract Code. Securities eligible for deposit hereunder shall be limited to those listed in Section 16430 of the Government Code, or bank or savings and loan certificates of deposit.

BID RIGGING: The U.S. Department of Transportation (DOT) provides a toll-free hotline to report bid rigging activities. Use the hotline to report bid rigging, bidder collusion, and other fraudulent activities. The hotline number is (800) 424-9071. The service is available 24 hours 7 days a week and is confidential and anonymous. The hotline is part of the DOT's effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General.

By: 

Rebecca Neves, P.E., City Engineer
City of Placerville

Date: _____ 9/26/2022



CITY OF PLACERVILLE
ENGINEERING DEPARTMENT

PLACERVILLE STATION II PARK-N-BUS

Project No. 40708

EXHIBIT A – BID FORMS

August, 2022

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BID FORM 1

(Because some colored inks will not reproduce in copy machines, please use black ink to complete this Proposal)

PROPOSAL

(to be attached to and submitted with the bid package)

**To: CITY OF PLACERVILLE,
COUNTY OF EL DORADO,
STATE OF CALIFORNIA**

for the construction of

**PLACERVILLE STATION II PARK-N-BUS
CIP #40708**

NAME OF BIDDER _____

BUSINESS P.O. BOX _____

CITY, STATE, ZIP _____

BUSINESS STREET ADDRESS _____

(Please include even if P.O. Box used)

CITY, STATE, ZIP _____

TELEPHONE NO: **AREA CODE ()** _____

FAX NO: **AREA CODE ()** _____

The work for which this Proposal is submitted is for the construction in accordance with these Contract Documents (including the payment of not less than the State general prevailing wage rates or Federal minimum wage rates set forth herein), the Project Plans described below, including any addenda thereto, the Contract annexed hereto, and also in accordance with the California Department of Transportation Standard Plans and Standard Specifications, and the Labor Surcharge and Equipment Rental Rates in effect on the date the work is accomplished, and in accordance with the General Prevailing Wage rates. The Project Plans and Contract Documents for the work to be done are entitled:

**PLACERVILLE STATION II PARK-N-BUS
PROJECT NO. 40708**

Bids are to be submitted for the entire work. The amount of the bid for comparison purposes will be the total of all the items.

The Bidder shall set forth for each unit basis item of work a unit price and a total for the item, and for each lump sum item a total for the item, all in clearly legible figures in the respective spaces provided for this purpose. In the case of unit basis items, the amount set forth under the "Item Total" column shall be the product of the unit price bid and the estimated quantity for the item.

In case of discrepancy between the item price and the total set forth for a unit basis item, the unit price shall prevail, except as provided in (a) or (b), as follows:

- (a) If the amount set forth as a unit price is unreadable or otherwise unclear, or is omitted, or is the same as the amount as the entry in the item total column, then the amount set forth in the total column for the item shall prevail and shall be divided by the estimated quantity for the item and the price thus obtained shall be the unit price;
- (b) (Decimal Errors) If the product of the entered unit price and the estimated quantity is exactly off by a factor of ten, one hundred, etc., or one tenth, or one hundredth, etc., from the entered total, the discrepancy will be resolved by using the entered unit price or item total, whichever most closely approximates percentage wise the unit price or item total in the Department's Final Estimate of cost.

If this Proposal is accepted and the undersigned Bidder shall fail to enter into the Contract and furnish the two bonds in the sums required by the State Contract Act, with surety satisfaction to the City of Placerville within eight days, not including Sundays and legal holidays, after the bidder has received notice from the City of Placerville that the Contract has been awarded, the City of Placerville may, at its option, determine that the Bidder has abandoned the Contract, and thereupon this Proposal and the acceptance thereof shall be null and void and the forfeiture of such security accompanying this Proposal shall operate and the same shall be the property of the City of Placerville.

The undersigned, as Bidder, declares under penalty of perjury under the laws of the State of California that the only persons or parties interested in this Proposal, as principals, are those named herein; that this Proposal is made without collusion with any other person, firm, or corporation; that he has carefully examined the location of the proposed work, the annexed proposed form of Contract, and the Plans therein referred to; and he proposes, and agrees if this Proposal is accepted, that he will contract with the City of Placerville, in the form of the copy of the Contract annexed hereto, to provide all necessary machinery, tools, apparatus, and other means of construction, and to do all the work and furnish all the materials specified in the Contract, in the manner and time therein prescribed, and according to the requirements of the Engineer as therein set forth, and that he will take in full payment therefore the following item prices, to wit:

**Exhibit A
CITY OF PLACERVILLE**

**CONTRACTOR'S BID AND BID PRICE SCHEDULE
PLACERVILLE STATION II PARK-N-BUS (CIP# 40708)**

ITEM NO.	BID ITEM	UNIT OF MEASURE	ESTIMATED QUANTITY	ITEM PRICE	LINE TOTAL
1	JOB SITE MANAGEMENT	LS	1	\$	\$
2	CONSTRUCTION STAKING	LS	1	\$	\$
3	CONSTRUCTION AREA SIGNS (FUNDING SIGN)	LS	1	\$	\$
4	TRAFFIC CONTROL SYSTEM	LS	1	\$	\$
5	PORTABLE CHANGEABLE MESSAGE SIGN	LS	1	\$	\$
6	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	1	\$	\$
7	RAIN EVENT ACTION PLAN	EA	10	\$	\$
8	STORM WATER SAMPLING AND ANALYSIS DAY	EA	10	\$	\$
9	COBBLE ROCK CHECK DAM	LF	30	\$	\$
10	TEMPORARY DRAINAGE INLET PROTECTION	EA	11	\$	\$
11	TEMPORARY FIBER ROLL	LF	720	\$	\$
12	TEMPORARY CONSTRUCTION ENTRANCE	EA	2	\$	\$
13	STORM WATER ANNUAL REPORT	LS	1	\$	\$
14	TREATED WOOD WASTE	LB	800	\$	\$
15	CONTRACTOR SUPPLIED BIOLOGIST	LS	1	\$	\$
16	CLEARING AND GRUBBING (LS)	LS	1	\$	\$
17	REMOVE TREE (>6" DBH)	EA	6	\$	\$
18	ROADWAY EXCAVATION	CY	1,700	\$	\$
19	ROCK MULCH	SQFT	2,000	\$	\$
20	PLANTING	LS	1	\$	\$
21	IRRIGATION SYSTEM	LS	1	\$	\$
22	CLASS 2 AGGREGATE BASE	CY	660	\$	\$
23	6" GATE VALVE ANT TEE REPLACEMENT	LS	1	\$	\$

24	PRIME COAT	TON	1.5	\$	\$
25	HOT MIX ASPHALT (TYPE A)	TON	1,380	\$	\$
26	PLACE HOT MIX ASPHALT DIKE (TYPE E)	LF	32	\$	\$
27	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	2,860	\$	\$
28	STRUCTURAL CONCRETE, DRAINAGE INLET	CY	1.5	\$	\$
29	12" ALTERNATIVE PIPE CULVERT	LF	45	\$	\$
30	DRAINAGE INLET MARKER	EA	1	\$	\$
31	12" ALTERNATIVE FLARED END SECTION	EA	2	\$	\$
32	REMOVE FIRE HYDRANT	EA	1	\$	\$
33	FIRE HYDRANT	EA	1	\$	\$
34	MINOR CONCRETE (CURB) (CY)	CY	24	\$	\$
35	DETECTIBLE WARNING SURFACE	SQFT	294	\$	\$
36	MINOR CONCRETE (CURB AND GUTTER)	CY	29	\$	\$
37	MINOR CONCRETE (CURB RAMP)	CY	26	\$	\$
38	REMOVE CONCRETE CURB (LF)	LF	61	\$	\$
39	REMOVE CONCRETE (CURB, GUTTER, AND SIDEWALK)	LF	185	\$	\$
40	MISCELLANEOUS IRON AND STEEL	LBS	464	\$	\$
41	BIKE LOCKERS	LS	1	\$	\$
42	SURVEY MONUMENT (TYPE D)	EA	3	\$	\$
43	PARKING BUMPER (PRECAST CONCRETE)	EA	25	\$	\$
44	REMOVE CHAIN LINK FENCE	LF	152	\$	\$
45	REMOVE ROADSIDE SIGN	EA	3	\$	\$
46	RELOCATE ROADSIDE SIGN (ONE-POST)	EA	6	\$	\$
47	RELOCATE ROADSIDE SIGN (TWO-POST)	EA	1	\$	\$
48	FUNISH SINGLE SHEET ALUMINUM SIGN (0.063" UNFRAMED)	SQFT	70	\$	\$
49	FUNISH SINGLE SHEET ALUMINUM SIGN (0.063" FRAMED)	SQFT	24	\$	\$
50	ROADSIDE SIGN – ONE POST	EA	11	\$	\$
51	ROADSIDE SIGN – TWO POST	EA	1	\$	\$

52	TRAIL WAYFINDING SIGN	EA	2	\$	\$
53	4" THERMOPLASTIC TRAFFIC STRIPE (PARKING STALL)	LF	1,445	\$	\$
54	6" THERMOPLASTIC TRAFFIC STRIPE	LF	2,265	\$	\$
55	8" THERMOPLASTIC TRAFFIC STRIPE	LF	287	\$	\$
56	THERMOPLASTIC PAVEMENT MARKING	SQFT	522	\$	\$
57	POLYMER CEMENT SURFACE SYSTEM PAVEMENT MARKINGS	SQFT	1,690	\$	\$
58	REMOVE THERMOPLASTIC TRAFFIC STRIPE	LF	1,200	\$	\$
59	PEDESTRIAN HYBRID BEACON SYSTEMS	EA	1	\$	\$
60	MODIFYING EXISTING ELECTRICAL SYSTEM	LS	1	\$	\$
61	MOBILIZATION (10%)	LS	1	\$	\$
TOTAL BASE CONTRACT (FIGURE)		\$			
TOTAL CONTRACT (FIGURE)		-			

ADD – ALTERNATIVE BID ITEMS

ITEM NO.	BID ITEM	UNIT OF MEASURE	ESTIMATED QUANTITY	ITEM PRICE	LINE TOTAL
18	ROADWAY EXCAVATION	CY	80	\$	\$
22	CLASS 2 AGGREGATE BASE (CY)	CY	20	\$	\$
25	HOT MIX ASPHALT (TYPE A)	TON	(-60)	\$	\$
25A	JOINTED PLANE CONCRETE PAVEMENT	CY	91	\$	\$
54	4" THERMOPLASTIC TRAFFIC STRIPE (PARKING STALL)	LF	(-255)	\$	\$
54A	4" PAINTED (WHITE) TRAFFIC STRIPE (PARKING STALL)	LF	255	\$	\$
62	MOBILIZATION (10%)	LS	1	\$	\$
TOTAL ADD-ALTERNATIVE ITEMS (FIGURE)		\$			
TOTAL BASE BID + ADD ALTERNATIVE (FIGURE)		-			

TOTAL BASE BID AMOUNT _____
_____ Dollars and _____ Cents.

AMOUNT IN WRITING

TOTAL BASE BID PLUS ADD – ALTERNATIVE AMOUNT _____
_____ Dollars and _____ Cents.

AMOUNT IN WRITING

Sign Here _____ Date: _____
CONTRACTOR

PRINT SIGNATURE NAME AND TITLE OF BIDDER

(NOTICE: Bidder's failure to execute the questionnaires and statements contained in this Proposal as required by applicable laws and regulations, or the determinations by City of Placerville based upon those questionnaires and statements, may prohibit award of the subject Contract to the Bidder.)

**BIDDER'S PROOF OF DIR
REGISTRATION**

The Bidder agrees that its Proof of DIR Registration pursuant to Labor Code Section 1725.5 is attached hereto and made a condition of this bid.

EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATION – BID FORM 2

The bidder _____, proposed subcontractor _____, hereby certifies that he has , has not , participated in a previous contract or subcontract subject to the equal opportunity clauses, as required by Executive Orders 10925, 11114, or 11246, and that, where required, he has filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

NOTE: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7(b) (1)), and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b) (1) prevents the award of contracts and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

PUBLIC CONTRACT CODE SECTION 10285.1 STATEMENT

In conformance with Public Contract Code Section 10285.1 (Chapter 376, Stats. 1985), the bidder hereby declares under penalty of perjury under the laws of the State of California that the bidder has , has not been convicted within the preceding three years of any offenses referred to in that section, including any charge of fraud, bribery, collusion, conspiracy, or any other act in violation of any state or Federal antitrust law in connection with the bidding upon, award of, or performance of, any public works contract, as defined in Public Contract Code Section 1101, with any public entity, as defined in Public Contract Code Section 1100, including the Regents of the University of California or the Trustees of the California State University. The term "bidder" is understood to include any partner, member, officer, director, responsible managing officer, or responsible managing officer, or responsible managing employee thereof, as referred to in Section 10285.1.

NOTE: The bidder must place a check mark after "has" or "has not" in one of the spaces provided. The above Statement is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Statement. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

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PUBLIC CONTRACT CODE SECTION 10162 QUESTIONNAIRE – BID FORM 3

In conformance with Public Contract Code Section 10162, the Bidder shall complete, under penalty of perjury, the following questionnaire:

Has the bidder, any officer of the bidder, or any employee of the bidder who has a proprietary interest in the bidder, ever been disqualified, removed, or otherwise prevented from bidding on, or completing a federal, state, or local government project because of a violation of law or a safety regulation?

Yes _____ No _____

If the answer is yes, explain the circumstances in the following space.

PUBLIC CONTRACT CODE SECTION 10232 STATEMENT

In conformance with Public Contract Code Section 10232, the Contractor, hereby states under penalty of perjury, that no more than one final unappealable finding of contempt of court by a federal court has been issued against the Contractor within the immediately preceding two year period because of the Contractor's failure to comply with an order of a federal court which orders the Contractor to comply with an order of the National Labor Relations Board.

NOTE: The above Statement and Questionnaire are part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Statement and Questionnaire. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

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**NONCOLLUSION AFFIDAVIT – BID FORM 4
(Title 23 United States Code Section 112 and
Public Contract Code Section 7106)**

In conformance with Title 23 United States Code Section 112 and Public Contract Code 7106 the bidder declares that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that 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, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that 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, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

NOTE: The above Noncollusion Affidavit is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Noncollusion Affidavit. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

BUSINESS AND PROFESSIONS CODE SECTION 7028.15 STATEMENT

In accordance with the Business and Professions Code Section 7028.15, the Contractor hereby states under penalty of perjury that he / she is licensed in accordance with an act providing for the State of California registration of Contractors,

Lic. No. _____, **Classification(s)** _____, ____/____/____
Expiration Date

By my signature on this proposal I certify, under penalty of perjury under the laws of the State of California, that the foregoing questionnaire and statements of Public Contract Code Section 10162, 10232 and 10285.1 are true and correct and that the bidder has complied with the requirements of Section 8103 of the Fair Employment and Housing Commission Regulation (Chapter 5, Title 2 of the California Administrative Code.) By my signature on this proposal I further certify, under penalty of perjury under the laws of the State of California and the United States of America that the Noncollusion Affidavit required by Title 23 United States Code Section 112 and Public Contract Code Section 7106 are true and correct.

Date: _____

SIGNATURE AND TITLE OF BIDDER _____

NAME OF FIRM _____

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**DEBARMENT AND SUSPENSION CERTIFICATION – BID FORM 5
(TITLE 49, CODE OF FEDERAL REGULATIONS, PART 29)**

The bidder, under penalty of perjury, certifies that, except as noted below, he/she or any other person associated therewith in the capacity of owner, partner, director, officer, manager:

- is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any Federal agency;
- has not been suspended, debarred, voluntarily excluded or determined ineligible by any Federal agency within the past 3 years;
- does not have a proposed debarment pending; and
- has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

If there are any exceptions to this certification, insert the exceptions in the following space.

Exceptions will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action.

NOTE: Providing false information may result in criminal prosecution or administrative sanctions. The above certification is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Certification.

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**NONLOBBYING CERTIFICATION – BID FORM 6
FOR FEDERAL-AID CONTRACTS**

The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in conformance with its instructions.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

DISCLOSURE OF LOBBYING ACTIVITIES

COMPLETE THIS FORM TO DISCLOSE LOBBYING ACTIVITIES PURSUANT TO 31 U.S.C. 1352

1. Type of Federal Action: <input type="checkbox"/> a. contract <input type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. Status of Federal Action: <input type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. Report Type: <input type="checkbox"/> a. initial <input type="checkbox"/> b. material change For Material Change Only: year _____ quarter _____ date of last report _____
4. Name and Address of Reporting Entity <input type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier _____, if known Congressional District, if known	5. If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime: Congressional District, if known	
6. Federal Department/Agency:	7. Federal Program Name/Description: CFDA Number, if applicable _____	
8. Federal Action Number, if known:	9. Award Amount, if known:	
10. Name and Address of Lobby Entity (If individual, last name, first name, MI) (attach Continuation Sheet(s) if necessary)	11. Individuals Performing Services (including address if different from No. 10) (last name, first name, MI)	
12. Amount of Payment (check all that apply) \$ _____ <input type="checkbox"/> actual <input type="checkbox"/> planned	14. Type of Payment (check all that apply) <input type="checkbox"/> a. retainer <input type="checkbox"/> b. one-time fee <input type="checkbox"/> c. commission <input type="checkbox"/> d. contingent fee <input type="checkbox"/> e. deferred <input type="checkbox"/> f. other, specify _____	
13. Form of Payment (check all that apply): <input type="checkbox"/> a. cash <input type="checkbox"/> b. in-kind; specify: nature _____ Value _____		
15. Brief Description of Services Performed or to be performed and Date(s) of Service, including officer(s), employee(s), or member(s) contacted, for Payment Indicated in Item 12: (attach Continuation Sheet(s) if necessary)		
16. Continuation Sheet(s) attached: <input type="checkbox"/> Yes <input type="checkbox"/> No		
17. Information requested through this form is authorized by Title 31 U.S.C. Section 1352. This disclosure of lobbying reliance was placed by the tier above when his transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to Congress semiannually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.	Signature: _____ Print Name: _____ Title: _____ Telephone No.: _____ Date: _____	
Federal Use Only:	Authorized for Local Reproduction Standard Form - LLL	

Standard Form LLL Rev. 04-28-06

Exhibit 12-B: Bidder's List of Subcontractor (DBE and Non-DBE) - Part 1

As of March 1, 2015 Contractors (and sub-contractors) wishing to bid on public works contracts must be registered with the State Division of Industrial Relations and certified to bid on Public Works contracts. Please register at <https://www.dir.ca.gov/Public-Works/Contractor-Registration.html>. The local agency will verify registration of all contractors and subcontractors on public works projects at bid and thereafter annually to assure that yearly registration is maintained throughout the life of the project.

In accordance with Title 49, Section 26.11 of the Code of Federal Regulations, and Section 4104 of the Public Contract Code of the State of California, as amended, the following information is required for each sub-contractor who will perform work amounting to more than one half of one percent (0.5%) of the Total Base Bid or \$10,000 (whichever is greater).

FEDERAL PROJECT NUMBER: _____

Photocopy this form for additional firms.

Subcontractor Name & Location	Line Item & Description	Subcontract Amount	Percentage of Bid Item Subcontracted	Contractor License Number	DBE (Y/N)	DBE Cert Number	Annual Gross Receipts	
				DIR Reg Number				
NAME							< \$1 million	
							< \$5 million	
							< \$10 million	
City, State							< \$15 million	
							Age of Firm in years	
NAME							< \$1 million	
							< \$5 million	
							< \$10 million	
City, State							< \$15 million	
							Age of Firm in years	
NAME							< \$1 million	
							< \$5 million	
							< \$10 million	
City, State							< \$15 million	
							Age of Firm in years	
NAME							< \$1 million	
							< \$5 million	
							< \$10 million	
City, State							< \$15 million	
							Age of Firm in years	
NAME							< \$1 million	
							< \$5 million	
							< \$10 million	
City, State							< \$15 million	
							Age of Firm in years	
NAME							< \$1 million	
							< \$5 million	
							< \$10 million	
City, State							< \$15 million	
							Age of Firm in years	
NAME							< \$1 million	
							< \$5 million	
							< \$10 million	
City, State							< \$15 million	
							Age of Firm in years	
NAME							< \$1 million	
							< \$5 million	
							< \$10 million	
City, State							< \$15 million	
							Age of Firm in years	

Distribution – Original: Local Agency File; Copy: DLAE w/Award Package

Exhibit 12-B: Bidder's List of Subcontractor (DBE and Non-DBE) - Part 2

In accordance with Title 49, Section 26 of the Code of Federal Regulations, the Bidder shall list all subcontractors who provided a quote or bid but **were not selected** to participate as a subcontractor on this project.

FEDERAL PROJECT NUMBER: _____

Photocopy this form for additional firms.

Subcontractor Name & Location	Line Item & Description	Subcontract Amount	Percentage of Bid Item Subcontracted	Contractor License Number		DBE (Y/N)	DBE Cert Number	Annual Gross Receipts	
				DIR Reg Number				< \$1 million	< \$5 million
NAME								< \$1 million	
								< \$5 million	
								< \$10 million	
City, State								< \$15 million	
								Age of Firm in years	
NAME								< \$1 million	
								< \$5 million	
								< \$10 million	
City, State								< \$15 million	
								Age of Firm in years	
NAME								< \$1 million	
								< \$5 million	
								< \$10 million	
City, State								< \$15 million	
								Age of Firm in years	
NAME								< \$1 million	
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City, State								< \$15 million	
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NAME								< \$1 million	
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City, State								< \$15 million	
								Age of Firm in years	
NAME								< \$1 million	
								< \$5 million	
								< \$10 million	
City, State								< \$15 million	
								Age of Firm in years	
NAME								< \$1 million	
								< \$5 million	
								< \$10 million	
City, State								< \$15 million	
								Age of Firm in years	

Distribution – Original: Local Agency File; Copy: DLAE w/Award Package

Accompanying this proposal is _____
(NOTICE: INSERT THE WORDS "CASH(\$____)," "CASHIER'S CHECK," "CERTIFIED CHECK," OR
"BIDDERS BOND," AS THE CASE MAY BE)
in amount equal to at least ten percent of the total of the bid.

The names of all persons interested in the forgoing proposal as principals are as follows:

IMPORTANT NOTICE: If the Bidder or other interested person is a corporation, state legal name of corporation and place of incorporation, also names of the president, secretary, treasurer, and executive officer thereof; if a partnership, state name of partnership, also names of all individual partners; if Bidder or other interested person is an individual, state first and last names in full.

Licensed in accordance with an act providing for the registration of Contractors,

License No. _____ Classification(s) _____

! (A Copy of the afore-referenced license must be attached hereto.) !

ADDENDA: This Proposal is submitted with respect to the changes to the Contract included
in addenda number(s) _____
(Fill in addenda numbers if addenda have been received and insert, in this proposal, any Engineer's Estimate sheets that were received as part of the addenda)

By my signature on this Proposal I certify, under penalty of perjury under the laws of the State of California, that the foregoing questionnaire and statements of Public Contract Code Sections 10162, 10232, and 10285.1 are true and correct and that the Bidder has complied with the requirements of Section 8103 of the Fair Employment and Housing Commission Regulations (Chapter 5, Title 2 of the California Administrative Code). By my signature on this proposal I further certify, under penalty of perjury under the laws of the State of California and the United States of America, that the Noncollusion Affidavit required by Title 23 United States Code, Section 112 and Public Contract Code Section 7106; are true and correct.

The person or persons executing this Proposal on behalf of a corporation or partnership shall be prepared to demonstrate by resolution, article, or otherwise, that such person is or that such persons are appropriately authorized to act in these regards for such corporation or partnership. Such authority shall be demonstrated to the satisfaction of the City of Placerville.

If the signature is by an agent other than an officer of a corporation or a member of a partnership, a power of attorney authorizing said act by the agent on behalf of his principal shall be submitted with the bid; otherwise, the bid may be disregarded as irregular and unauthorized.

The Bidder's execution on the signature portion of this Proposal shall constitute and endorsement and execution of those affidavits, declarations and certifications which are part of this Proposal.

Executed this _____ day of _____, 202G
at _____ County, State of _____
Date: _____



Name and Title of Bidder _____
Name of Firm _____

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CITY OF PLACERVILLE

BIDDER'S BOND
! (this form MUST be used) !

KNOW ALL PEOPLE BY THESE PRESENTS, THAT WE _____,
_____, as PRINCIPAL, and

_____ as Surety are held and firmly bound unto the City of Placerville (Obligee) in the penal sum of TEN (10) PERCENT OF THE AMOUNT OF THE TOTAL BID PRICE of the Principal above named, submitted by said Principal to the Obligee for the work, for the payment of which sum in lawful money of the United States, well and truly to be made to the Obligee, we the Principal and surety bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents. In no case shall the liability of the surety hereunder exceed the sum of

\$ _____

THE CONDITION OF THIS OBLIGATION IS SUCH, THAT:

WHEREAS, the Principal has submitted the above-mentioned bid to the Obligee, as aforesaid, for certain construction specifically described as follows, for which bids are to be opened at Placerville, El Dorado County, California, on September 29, 2022 at 2:00 p.m. for the construction of the

PLACERVILLE STATION II PARK-N-RIDE
CIP #40708

NOW, THEREFORE, if the aforesaid Principal is awarded the Contract and, within the time and manner required under the Contract Documents, after the prescribed forms are presented to him for signature, enters into a written contract, in the prescribed form, in accordance with the Bid, and files two bonds with the City of Placerville, one to guarantee faithful performance and the other to guarantee payment for labor and materials, as required by law, then this obligation shall be null and void; otherwise, it shall remain in full force and virtue.

In the event suit is brought upon this bond by the Obligee and judgment is recovered, the Surety shall pay all costs incurred by the Obligee in such suit, including a reasonable attorney's fee to be fixed by the Court.

IN WITNESS WHEREOF, we have set our hands and seals on this _____ day of _____ 2022.

SIGNATURES

(seal) _____
Principal

(seal) _____
Surety

Address: _____

(NOTE: Signature of those executing for the Surety shall be properly acknowledged, and accompanied by a Certificate of acknowledgment.)

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OPT OUT OF PAYMENT ADJUSTMENTS FOR PRICE INDEX FLUCTUATIONS – BID FORM 9

To opt out of payment adjustments for price index fluctuations as specified in section 9-1.07 of the Caltrans Standard Specifications, complete this form.

I opt out of the payment adjustments for price index fluctuations.

Enter Date and Name to opt out of payment adjustments for price index fluctuations.

Date: _____

Bidder's Name: _____

Signature of Bidder: _____

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EXPERIENCE LIST – BID FORM 10

Provide information on your most recent similar projects:

- 1. Project Name: _____
Owner: _____
Contract Amount: _____
Owner Contact Person / Tel #: _____

- 2. Project Name: _____
Owner: _____
Contract Amount: _____
Owner Contact Person / Tel #: _____

- 3. Project Name: _____
Owner: _____
Contract Amount: _____
Owner Contact Person / Tel #: _____

- 4. Project Name: _____
Owner: _____
Contract Amount: _____
Owner Contact Person / Tel #: _____

- 5. Project Name: _____
Owner: _____
Contract Amount: _____
Owner Contact Person / Tel #: _____

- 6. Project Name: _____
Owner: _____
Contract Amount: _____
Owner Contact Person / Tel #: _____

- 7. Project Name: _____
Owner: _____
Contract Amount: _____
Owner Contact Person / Tel #: _____

- 8. Project Name: _____
Owner: _____
Contract Amount: _____
Owner Contact Person / Tel #: _____

- 9. Project Name: _____
Owner: _____
Contract Amount: _____
Owner Contact Person / Tel #: _____

This page was prepared by _____
Name Date

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FTA BUY AMERICA CERTIFICATE

Steel, Iron and Manufactured Products

NOTE: Complete **EITHER** Alternative A or B

ALTERNATIVE A

CERTIFICATE OF COMPLIANCE WITH BUY AMERICA REQUIREMENTS

The bidder hereby certifies that it will comply with the requirements of 49 U.S.C. Section 5323(j)(1), and the applicable regulations in 49 C.F.R. Part 661.

Signature

Title

Company Name

Date

OR

ALTERNATIVE B

CERTIFICATE OF NON-COMPLIANCE WITH BUY AMERICA REQUIREMENTS

The bidder hereby certifies that it cannot comply with the requirements of 49 U.S.C. Section 5323(j), but it may qualify for an exception pursuant to 49 U.S.C. Section 5323(j)(2), as amended, and the applicable regulations in 49 C.F.R. Part 661.7.

Signature

Title

Company Name

Date

**BUY AMERICA LAW
49 USC SECTION 5323(j)**

"(j) BUY AMERICA --

"(1) The Secretary of Transportation may obligate an amount that may be appropriated to carry out this chapter for a project only if steel, iron, and manufactured goods used in the project are produced in the United States.

"(2) The Secretary of Transportation may waive paragraph (1) of this subsection if the Secretary finds that -

"(A) applying paragraph (1) would be inconsistent with the public interest;

"(B) the steel, iron, and goods produced in the United States are not produced in sufficient and reasonably available amount or are not of a satisfactory quality;

"(C) when procuring rolling stock (including train control, communication, and traction power equipment) under this chapter -

"(i) the cost of components and subcomponents produced in the United States is more than 60% of the cost of all components of the rolling stock; and

"(ii) final assembly of the rolling stock has occurred in the United States; or

"(D) including domestic material will increase the cost of the overall project by more than 25 percent.

"(3) In this subsection, labor costs involved in the final assembly are not included in calculating the cost of components."

**CERTIFICATION REGARDING CLEAN AIR ACT AND
FEDERAL WATER POLLUTION CONTROL ACT**

Proposer hereby certifies that the goods, materials or services described in any contract awarded pursuant to this Invitation to Bid or Request for Proposals will not be performed in any facility presently listed by the Administrator of the U.S. Environmental Protection Agency pursuant to Section 2 of Executive Order 11738. Executive Order 11738 pertains to facilities which have given rise to a conviction for an offense under Section 113(c)(1) of the Clean Air Act [42 U.S.C. Section 7413(c)(1) or Section 309(c) of the Federal Water Pollution Control Act [33 U.S.C. Section 1319(c)].

Designate below the location of each facility where the above-referenced contract will be performed:

Facility Location: _____
(street address)

(city and state)

Facility Location: _____
(street address)

(city and state)

Facility Location: _____
(street address)

(city and state)

Company Name: _____

Authorized Representative: _____
(Signature)

Printed Name: _____

Title: _____

Date: _____

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CITY OF PLACERVILLE
ENGINEERING DEPARTMENT

PLACERVILLE STATION II PARK-N-BUS

Project No. 40708

EXHIBIT B – DBE CONTRACT PROVISIONS

August, 2022

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EXHIBIT B
DISADVANTAGED BUSINESS ENTERPRISE PROGRAM CONTRACT PROVISIONS

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2.2	Bidders Not Meeting DBE Goal – Good Faith Effort Requirement
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DBE Forms included in this Attachment:

DBE Form 1a	DBE Commitments Form
DBE Form 1b	DBE Commitments Form for Work Order Contracts
DBE Form 2	Confirmation by DBE
DBE Form 3	DBE Commercially Useful Function Certification
DBE Form 4	DBE Good Faith Efforts Documentation
DBE Form 5	Substitution Request for Disadvantaged Business Enterprise (DBE)
DBE Form 6	Disadvantaged Business Enterprises (DBE) Payment Report
DBE Form 7	Disadvantaged Business Enterprises (DBE) Trucking Verification
DBE Form 8	Final Report, Utilization of Disadvantaged Business Enterprises (DBE)
DBE Form 9	DBE Contract Compliance Review Checklist

SECTION 1

GENERAL INFORMATION

It is the policy of City of Placerville to create a level playing field on which Disadvantaged Business Enterprises (DBE) can complete fairly for federal Department of Transportation (DOT)-assisted contracts as defined in Title 49 Code of Federal Regulations Part 26 (49 CFR Part 26).

49 CFR Part 26 can be viewed online: <https://www.law.cornell.edu/cfr/text/49/part-26>

1.1 Definitions

City of Placerville has adopted the definitions contained in 49 CFR Part 26, Section 26.5 for its DBE program. The definitions can be viewed online: <https://www.law.cornell.edu/cfr/text/49/26.5>

Days mean calendar days. In computing any period of time described in this Attachment, the day from which the period begins to run is not counted, and when the last day of the period is a Saturday, Sunday, or Federal holiday, the period extends to the next day that is not a Saturday, Sunday, or Federal holiday. Similarly, in circumstances where City of Placerville's offices are closed for all or part of the last day, the period extends to the next day on which City of Placerville is open (49 CFR Section 26.5).

Bidder as used in this document means both Bidder or Proposer, as applicable. *Bid* as used in this document means both Bid or Proposal, as applicable.

Work Order Contract means a Contract in which a general scope of work and overall not-to-exceed amount are established at the time of Contract award, but specific funding sources and particular scope of work are established through execution of individual Work Orders executed by both parties.

1.2 Eligibility/Certification of DBEs

City of Placerville is a Non-Certifying Member (NCM) of the California Unified Certification Program (CUCP). City of Placerville uses the California UCP DBE Directory ("Directory") maintained by Caltrans that identifies all firms eligible to participate as DBEs. The directory lists the firm's name, address, phone number, date of the most recent certification, and the type of work (and NAICS codes) the firm has been certified to perform as a DBE. The Directory is revised and updated by Caltrans. The Directory can be found at: <https://dot.ca.gov/programs/civil-rights/dbe-search>.

DBEs listed by Bidders for participation in City of Placerville Contract work must be certified by the CUCP as eligible DBEs by the Bid opening date. It is the Bidder's responsibility to verify that the DBE firm is certified as a DBE at date of Bid opening.

1.3 Counting DBE Participation

City of Placerville will count DBE participation following the guidelines provided in 49 CFR Section 26.55.

Contractor must review 49 CFR Section 26.55 in its entirety, but in general, only the value of the work actually performed by the DBE is counted. Credit for materials or supplies purchased from DBEs will be counted in the following manner:

1. 100 percent if the materials or supplies are obtained from a DBE manufacturer.
2. 60 percent if the materials or supplies are obtained from a DBE regular dealer.
3. Only fees, commissions, and charges for assistance in the procurement and delivery of materials or supplies if they are obtained from a DBE that is neither a manufacturer nor a regular dealer.

49 CFR 26. Section 55 defines manufacturer and regular dealer.

1.4 DBE Commitments Form for Public Works Projects

For Public Works projects, the **DBE Commitments Form** must be consistent with the Designation of Subcontractors Form submitted by Bidder in accordance with the Subletting and Subcontracting Fair Practices Act (e.g., the Bidder may not include on its **DBE Commitments Form** a subcontractor that was statutorily required be designated and is not listed on the Designation of Subcontractors Form).

1.5 DBE Financial Institutions

It is the policy of City of Placerville to investigate the full extent of services offered by financial institutions owned and controlled by socially- and economically-disadvantaged individuals in the City of Placerville Market Area, to make reasonable efforts to use these institutions, and to encourage prime contractors on DOT-assisted contracts to make use of these institutions.

The Federal Reserve Board compiles data on financial institutions that participate in the Department of the Treasury's Minority Bank Deposit Program. The Federal Reserve maintains lists of these financial institutions that includes identification of minority and gender status and location viewable at: <https://www.fdic.gov/regulations/resources/minority/mdi.html>

City of Placerville encourages prime Contractors to research the Federal Reserve Board website and use such institutions on DOT-assisted contracts; however, use of financial institutions in the Treasury's Minority Bank Deposit Program will not be counted toward DBE contract goals.

SECTION 2

SOLICITATION REQUIREMENTS FOR CONTRACTS WITH AN ESTABLISHED DBE GOAL (RACE-CONSCIOUS DBE PARTICIPATION)

The requirements contained in this Section apply only to Contracts with an established DBE goal. For Contracts with NO DBE goal, please follow the guidelines in Section 3.

For Contracts where City of Placerville has established a DBE participation goal, as set out in the solicitation document, meeting the DBE goal or making good faith efforts to do so is a condition for receiving the award of the contracts.

2.1 Required DBE Submission

Bidders must submit the following forms for all solicitations with an established goal:

- **DBE Commitments Form (DBE Form 1a)** (49 CFR Section 26.55)
- **Confirmation by DBE (DBE Form 2) or copy of DBE's quote or Form 60** that includes signed confirmation from each DBE stating that it is participating in the Contract

as provided in the prime Contractor's DBE Commitments Form. (49 CFR Sections 26.55(c), 26.55(d), and 26.53(b))

- **DBE Commercially Useful Function Certification Form (DBE Form 3)**

A Bidder may submit these forms with its bid. If the forms are not submitted with the bid, the apparent low Bidder, the 2nd low Bidder, and the 3rd low Bidder must complete and submit the forms to City of Placerville no later than 5 days after bid opening as a matter of responsibility. Other Bidders do not need to submit the forms unless City of Placerville requests them and must submit the requested documents to City of Placerville no later than 5 days after the request. If any Bidder does not submit the forms within the specified time, City of Placerville will find the Bidder non-responsible and ineligible for award of a Contract.

2.2 Bidders Not Meeting DBE Goal – Good Faith Effort Requirement

If any of the three low Bidders do not meet the established Contract DBE goal, then the Bidder must provide a good faith efforts submission to City of Placerville no later than 5 days after bid opening (49 CFR Section 26.53), which must include a signed **DBE Good Faith Efforts Documentation Form (DBE Form 4)** and supporting documentation that the Bidder made a good faith effort to meet the goal. City of Placerville may allow a longer period based on City of Placerville's submittal of a request to a Bidder before expiration of the five-day period demonstrating good cause for such extension.

In addition, if City of Placerville determines, after review of the **DBE Commitments Form**, that the goal has not been met for any reason (e.g., named firm is not a DBE, dollar value was counted incorrectly, etc.), Bidder must submit a **DBE Good Faith Efforts Documentation Form** and supporting documentation no later than 5 days after City of Placerville provides notice that the goal has not been met.

Only good faith efforts directed towards obtaining participation by DBEs will be considered.

Bidder may reference the checklist provided in 49 CFR Section 26.53 Appendix A, "Guidance Concerning Good Faith Efforts," to help guide Bidder's good faith efforts to obtain DBE participation. It is not intended to be a mandatory checklist, nor is it intended to be exclusive or exhaustive. Other factors or types of efforts may be relevant.

If a Bidder submitting an otherwise responsive bid fails to meet the established DBE participation goal, City of Placerville will determine whether, given all relevant circumstances, the efforts undertaken by the Bidder to secure DBE participation were similar to those undertaken by a competitor that was actively and aggressively seeking to meet the goal. City of Placerville must make its determination based upon the good faith efforts submission provided by the Bidder in accordance with the criteria set forth above. If City of Placerville determines that a Bidder that failed to meet the established DBE participation goal did not undertake adequate good faith efforts to secure DBE participation, City of Placerville will declare Bidder to be not responsible and ineligible for award of a Contract due to failure to comply with the DBE requirements.

2.3 Review Process

A. Request for Additional Information

City of Placerville will review all information submitted by Bidders and may request submission of explanatory information to assess: whether a particular DBE listed by a Bidder will be performing a commercially useful function in the Contract work; whether a particular DBE listed by the Bidder is certified by the CUCP; or any other issue pertaining to the submitted documentation.

B. Determination that Bidder is Not Responsible

If City of Placerville determines that the apparent low Bidder did not include the required documentation and information, the Bidder may be deemed not responsible, and the Bidder will not be eligible for the Contract award. The next apparent low Bidder will then be evaluated in accordance with the requirements of this document.

If City of Placerville determines that a Bidder has not demonstrated good faith efforts to achieve the goal, City of Placerville will inform the Bidder, give the reasons, and notify the Bidder that it has a right to respond to such notification pursuant to City of Placerville's Protest Procedure.

C. Award Recommendation

Upon completion of the review process described above, a recommendation will be presented to the City of Placerville, as applicable, for Contract award.

SECTION 3
SOLICITATION REQUIREMENTS FOR
NON-WORK ORDER CONTRACTS WITH NO DBE GOAL
(RACE NEUTRAL DBE PARTICIPATION)

The requirements contained in this Section 3 apply only to Non-Work Order Contracts with NO established DBE goal. For Contracts with a DBE goal, please follow the guidelines in Section 2.

For contracts where City of Placerville has NOT established a participation goal for Disadvantaged Business Enterprises (DBE) as set out in the solicitation document, DBE participation is not required, however it is recommended and encouraged pursuant to the objectives listed in 49 CFR Part 26.1.

If a DBE will participate in the Contract, the following applies to the Bidder.

3.1 DBE Submission

To allow City of Placerville to track race-neutral DBE participation for Contracts without a DBE goal, Bidders are expected to submit the **DBE Commitments Form (DBE Form 1a)** for all solicitations without an established goal and in which a DBE will be participating. If **DBE Form 1a** is not submitted with the Bid, it must be submitted prior to Contract award, within 10 days of request by City of Placerville.

Prior to Contract award, a Bidder that intends to have DBE participation in the Contract must also submit a **Confirmation by DBE (DBE Form 2) or copy of DBE's quote or Form 60** that includes signed confirmation from each DBE stating that it is participating in the contract as provided in the prime contractor's DBE Commitments Form. (49 CFR Sections 26.55(c),

26.55(d), and 26.53(b)), and a **DBE Commercially Useful Function Certification (DBE Form 3)** form for each DBE that will be performing on the contract.

These forms are not required to be submitted if no DBEs will be participating in the Contract.

3.2 Review Process

City of Placerville will review all information submitted by the Bidders in accordance with this Section. City of Placerville may request submission of explanatory information to assess: whether a particular DBE listed by a Bidder will be performing a commercially useful function in the Contract work; whether a particular DBE listed by the Bidder is certified by the CUCP; or any other issues pertaining to the submitted documentation.

SECTION 4 **SOLICITATION REQUIREMENTS FOR WORK ORDER CONTRACTS WITH NO DBE GOAL (RACE NEUTRAL DBE PARTICIPATION)**

The requirements contained in this Section 4 apply only to Work Order Contracts with no overall DBE goal. For Contracts with a DBE goal, please follow the guidelines in Section 2. Because the nature and extent of the federally-assisted work is often unclear when a solicitation is being performed for a Work Order Contract, City of Placerville may choose not to set a DBE goal at the time of solicitation and will instead assess, on a project-by-project basis, whether the work is federally-assisted and whether establishment of a DBE goal is appropriate for a specific Work Order.

For Work Order Contracts with no overall goal, Bidders must attempt, in good faith, to secure and include sufficient DBE certified firms on their proposed subconsultant team for multiple disciplines and work categories related to the Contract work to help ensure they can meet, in good faith, the DBE goal set on any federally-funded Work Orders as applicable, that are executed post-award of a Contract. The DBE goal requirements extend to additional dollars added by Work Order revisions to help ensure that DBE goals are met on the Work Orders.

4.1 Required DBE Submission

Bidders must attempt, in good faith, to secure and include sufficient DBE certified firms on their proposed subconsultant team for multiple disciplines and work categories related to the Contract work to help ensure that the Bidder can meet, in good faith, the DBE goal set on any federally-funded Work Orders that are executed post-award of Contract.

A Bidder must submit the following forms with its bid:

- **DBE Commitments Form for Work Order Contracts (DBE Form 1b)** (49 CFR Section 26.55)
- **Confirmation by DBE (DBE Form 2) or copy of DBE's quote or Form 60** that includes signed confirmation from each DBE stating that it is participating in the Contract as provided in the prime Contractor's DBE Commitments Form. (49 CFR Sections 26.55(c), 26.55(d), and 26.53(b))
- **DBE Commercially Useful Function Certification (DBE Form 3)**

In addition to all other pre-award requirements, to be eligible for award of a Contract, all Bidders are required to certify on the **DBE Commitments Form for Work Order Contracts** that Bidder will either meet the established DBE goal or will make good faith efforts to attempt to meet the established DBE goal set for any applicable federally-funded Work Order issued under the Contract, and, that arrangements to meet all the requirements set out in this Attachment will be made with the listed certified DBEs prior to submission of a proposal to City of Placerville in response to the solicitation and will be made prior to submission of proposals to City of Placerville for any applicable federally-funded Work Order, during the term of the Contract. Failure to affirmatively make this declaration/certification in the manner outlined in the **DBE Commitments Form for Work Order Contracts** will cause a Bidder to be considered non-responsive.

4.2 Good Faith Effort Requirement

If a Bidder is not able to identify DBEs for its Contract team, then a good faith efforts submission must be provided to City of Placerville with its bid (49 CFR Section 26.53), which must include a signed **DBE Good Faith Efforts Documentation (DBE Form 4)** and supporting documentation that the Bidder made a good faith effort to include DBEs in its Contract team.

Only good faith efforts directed towards obtaining participation by DBEs will be considered.

Bidder may reference the checklist provided in 49 CFR Section 26.53 Appendix A, "Guidance Concerning Good Faith Efforts," to help guide Bidder's good faith efforts to obtain DBE participation. It is not intended to be a mandatory checklist, nor is it intended to be exclusive or exhaustive. Other factors or types of efforts may be relevant in appropriate cases.

4.3 Review Process

City of Placerville will review all information submitted by the Bidders in accordance with this Section. City of Placerville may request submission of explanatory information to assess: whether a particular DBE listed by a Bidder will be performing a commercially useful function in the Contract work; whether a particular DBE listed by the Bidder is certified by the CUCP; or for any other reason pertaining to the submitted documentation.

SECTION 5 **POST-AWARD GOAL-SETTING FOR WORK ORDER CONTRACTS**

5.1 DBE Goal Setting for Federally-funded Work Orders

DBE goals may be established on a project-by-project basis on Work Orders that are: funded with Federal assistance; that have subcontracting opportunities; and for which there is an available pool of DBEs that are certified in the NAICS codes related to the Work Order. The awarded Contractor must either meet the established DBE goal or make good faith efforts to attempt to meet the established DBE goal set for any applicable federally-funded Work Order issued under the Contract

When City of Placerville determines, post-award, that it is appropriate to set a DBE goal for a particular federally-assisted Work Order, the awarded Contractor must submit to City of Placerville a **DBE Commitments Form (DBE Form 1a)**. To substantiate the information on the

DBE Commitments Form, Contractor must submit either a **Confirmation by DBE (DBE Form 2)**, the Form 60 from the DBE subcontractor, or a copy of DBE's quote for the Work Order.

If Contractor does not meet the DBE Goal set for the Work Order, Contractor must submit a **DBE Good Faith Efforts Documentation (DBE Form 4)** and supporting documentation.

If Contractor indicates to City of Placerville that there is no DBE firm on Contractor's team available to meet the DBE goals set on applicable Work Orders, Contractor may be determined by City of Placerville as not meeting the criteria for Good Faith Efforts in 49 CFR Section 26.53. If City of Placerville makes a determination, on a project-by-project basis, that there are qualified certified DBEs available to complete portions of the work of the Work Order, City of Placerville may require Bidder to locate certified DBEs to meet goals set on each applicable Work Order even if these certified DBEs were not originally included as part of Contractor's original subconsultant team.

SECTION 6

POST-AWARD REQUIREMENTS FOR ALL CONTRACTS WITH DBE PARTICIPATION **(CONTRACTS WITH AND WITHOUT A GOAL)**

The following applies to all Contracts with DBE participation, whether or not a DBE participation goal was set.

6.1 Contract Provision Requirements

In accordance with 49 CFR Part 26, Section 26.13(b), each Contract City of Placerville signs with a contractor (and each subcontract the prime contractor signs with a subcontractor) must include the assurance language in the FTA Grant Contract Provision entitled **SMALL, MINORITY, WOMEN AND DISADVANTAGED BUSINESS ENTERPRISE**.

In accordance with 49 CFR Part 26, Section 26.29, each contract City of Placerville signs with a contractor (and each subcontract the prime contractor signs with a subcontractor) must include the prompt payment language in the City of Placerville General Contract Provision entitled **PROMPT PAYMENT TO SUBCONTRACTORS; RELEASE OF RETENTION**.

These requirements may be satisfied by including a copy of the Contract between City of Placerville and Contractor in any subcontractor or supplier contract.

6.2 Submittal of DBE Subcontracts

City of Placerville must ensure that DBE Contract assurance and prompt payment requirement language listed in Section 6.1 is included in all DBE subcontractor agreements. (49 CFR Section 26.13 Assurances & 49 CFR Section 26.29 Prompt Payment). Therefore, the awarded Contractor must submit to City of Placerville a copy of all DBE subcontracts within 30 days following Contract execution.

6.3 DBE Records

The awarded Contractor must maintain records, regardless of tier, of all subcontracts entered into with certified DBE subcontractors, DBE service providers, DBE trucking services, and records of materials purchased from certified DBE suppliers. The records must show the name and business address of each DBE subcontractor and vendor and the total dollar amount

actually paid each DBE subcontractor or vendor. Copies of the records must be furnished to City of Placerville upon its written request.

Contractor must require each DBE subcontractor to sign up as a vendor through City of Placerville's vendor portal in QUESTCDN. The vendor registration link and information can be found on the City of Placerville website: <https://www.cityofplacerville.org/rfp-rfq-projects-out-to-bid>

With each application for payment, Contractor must submit monthly to City of Placerville, no later than the 10th of the month, records summarizing DBE activity and payments made to DBEs during the previous month on the **Disadvantaged Business Enterprises (DBE) Payment Report Form (DBE Form 6)** and the **Disadvantaged Business Enterprises (DBE) Trucking Verification Form (DBE Form 7)**, as applicable. Copies of DBE subcontractor invoices must also be included as supporting documentation.

After completion of all Contract Work and before final payment will be authorized by City of Placerville, Contractor must prepare and submit a summary of the DBE Form 5 and DBE Form 6 records on **Final Report, Utilization of Disadvantaged Business Enterprises (DBE) (DBE Form 8)** and certify their correctness.

Contractor must make prompt payment and release of retention to subcontractors in accordance with the General Contract Provisions. With each application for payment for construction contracts, Contractor must submit to City of Placerville an **Unconditional Waiver and Release Upon Progress Payment** or **Unconditional Waiver and Release Upon Final Payment** (the forms are included in the attachments to the IFB or are available by request from City of Placerville), as applicable, executed by the subcontractors that were due payment from the previous partial payment. For each application for payment for non-construction contracts, the Contractor must submit to City of Placerville a **Prompt Payment Certification** form (the form is included in the attachments to the RFP or RFQ or is available by request from City of Placerville), signed by an officer or managing agent of the Contractor, attesting that all subcontractors have been previously paid all amounts due them from prior progress payments within 30 days after Contractor's receipt of such progress payments. Failure to submit either the unconditional waiver and release or certification with a payment application, as applicable, will be the grounds to reject that payment application.

6.4 Monitoring and Enforcement Mechanisms (49 CFR Section 26.37)

City of Placerville will monitor and provide written certification on the **DBE Contract Compliance Review Checklist Form (DBE Form 9)** (CCRC) for every Contract entered into by City of Placerville and subrecipients on which DBEs are participating, ensuring that the DBEs are in fact performing the work. City of Placerville will take the following monitoring and enforcement mechanisms to ensure compliance with 49 CFR Part 26.

1. City of Placerville will bring to the attention of the DOT any false, fraudulent, or dishonest conduct in connection with the program, so that DOT can take the steps provided in 49 CFR Section 26.109 (e.g., referral to the Department of Justice for criminal prosecution, referral to the DOT Inspector General, action under suspension and debarment or Program Fraud and Civil Penalties rules).
2. City of Placerville will consider similar action under City of Placerville's own legal authorities, including responsibility determinations in future contracts. City of

Placerville has available several Contract remedies to enforce DBE compliance, including:

- a. suspension of any payment or part thereof until such time as the issues concerning compliance are resolved,
- b. work stoppage until the Contract requirements for substitution or termination of a DBE are satisfied,
- c. City of Placerville reserves right to audit and inspect records and work,
- d. liquidated damages for failure to comply with DBE requirements,
- e. termination, suspension, or cancellation or other breach of Contract actions, pursuant to the terms of the Contract and applicable statutes.

For Contracts with an established DBE goal, if City of Placerville determines that the Contractor's failure to meet all or part of the DBE Contract goal is due to the Contractor's inadequate good faith efforts, the Contractor may be required to pay DBE Liquidated Damages equal to the dollar amount of the unmet DBE Contract goal.

In addition, the federal government has available several enforcement mechanisms that it may apply to firms participating in DOT assisted procurements including, suspension or debarment proceedings pursuant to 49 CFR Part 26, enforcement action pursuant to 49 CFR Part 31, and prosecution pursuant to 18 USC Section 1001. City of Placerville, as appropriate, will use the regulations, provisions, and Contract remedies available in the event of non-compliance with the DBE regulation by a Contractor.

3. City of Placerville will also provide a monitoring and enforcement mechanism to verify that work committed to DBEs at Contract award is actually performed by the DBEs. This will be accomplished by conducting field reviews and DBE contractor interviews, as applicable. City of Placerville will maintain written certifications on the CCRC that the contracting records have been reviewed and the work sites have been monitored. DBE monitoring will also be done in conjunction with monitoring of Contract performance for other purposes (e.g., close-out reviews for a Contract) and may be at times performed by Contract Managers or engineering and construction management staff.

City of Placerville will complete CUF evaluations by reviewing submitted **DBE Commercially Useful Function Certification(s) (DBE Form 3)** and using the "FHWA Tips on Evaluating a Commercially Useful Function" as a guide:

<https://www.fhwa.dot.gov/federal-aidessentials/commusefunction.pdf>

4. City of Placerville will keep a running tally of actual payments to DBE firms for work committed to them at the time of Contract award using Contractor's DBE reports (**DBE Forms 6 and 7**, as applicable). City of Placerville will perform compliance reviews of Contract payments to DBEs, as needed, to ensure that:
 - a. the amount reported by Contractor is equal to the actual amount paid to the DBE, and
 - b. the actual amount paid to DBE subcontractors equals or exceeds the dollar amounts stated in the schedule of DBE participation.

6.5 Effect of Contract Change Orders and Amendments

6.5.1 For Contracts With a DBE Goal

Circumstances may arise during the performance of work requiring changes to the scope of the work contained in the Contract. If the scope of work increases, the prime Contractor must ensure that it has obtained sufficient DBE participation to meet the Contract goal on the final Contract value or has made good faith efforts to do so.

The dollar amount of any Contract Change Order, Amendment, or any other Contract modification that increases the dollar amounts of the Contract or any subcontract will be subject to the DBE Contract goal established for the Contract, and the Contractor and its subcontractors will be required to solicit DBE participation for such increases. Revised total Contract dollar values must be reflected in the Contractor's **Disadvantaged Business Enterprises (DBE) Payment Forms (DBE Form 6)** and **Final Report, Utilization of Disadvantaged Business Enterprises (DBE) (DBE Form 8)** submitted to City of Placerville.

If a Contract Change Order or Amendment eliminates work designated in a DBE commitment, the prime contractor must follow the termination procedures in the City of Placerville General Contract Provisions and must make a good faith effort to meet the DBE Contract goal on the final Contract value.

6.5.2 For Contracts Without a DBE Goal

Circumstances may arise during the performance of work requiring changes to the scope of the work contained in the Contract.

The dollar amount of any Contract Change Order, Amendment, or any other Contract modification that increases the dollar amounts of the Contract must be reflected in the Contractor's **Disadvantaged Business Enterprises (DBE) Payment Forms (DBE Form 6)** and **Final Report, Utilization of Disadvantaged Business Enterprises (DBE) (DBE Form 8)** submitted to City of Placerville.

If a Contract Change Order or Amendment eliminates work designated in a DBE subcontract, the prime contractor must follow the termination procedures in the City of Placerville General Contract Provisions.

6.6 Substitution of Subcontractors and Suppliers

Substitution of listed DBE subcontractors and suppliers will be subject to the provisions of 49 CFR Section 26.53 and, additionally, in the case of public works construction contracts, the Subcontracting and Subletting Fair Practices Act (Cal. Public Contract Code § 4100 *et seq.*). To

request a substitution, Contractor must submit to City of Placerville a completed **Substitution Request for Disadvantaged Business Enterprise (DBE) Form (DBE Form 5)**. In considering a request to substitute, the Contractor must provide any and all information that City of Placerville deems appropriate.

Approval may be given or withheld by City of Placerville in its sole and absolute discretion. City of Placerville's approval may be given on any conditions that City of Placerville deems appropriate, including the condition that the Contractor must make a Good Faith Effort to substitute a listed DBE contractor or supplier with another contractor or supplier that meets the DBE requirements in the Contract specifications.

DBE COMMITMENTS FORM

DBE FORM 1a

City of Placerville Contract Name & Solicitation Number:
Contract DBE Goal: _____% Total Bid Amount: \$ _____
Prime Contractor Name:
Check here if Prime is a Certified DBE: <input type="checkbox"/> Prime DBE Certification Number: _____

DBE PRIME OR DBE SUBCONTRACTORS PERFORMING WORK OR SERVICES

List the work or services to be performed by each DBE, including work or services performed by the prime contractor's own forces if the prime is a DBE. 100% of value of the work actually performed by the DBE is counted, pursuant to the guidelines in 49 CFR Section 26.55. If 100% of any listed item is not to be performed by the DBE, describe the exact portion to be performed by the DBE. 49 CFR Section 26.55: <https://www.law.cornell.edu/cfr/text/49/26.55>.

Bid Item Number(s)	Description of Services or Work to be Performed	DBE Certification Number	Name of DBE* <small>(Must be certified on the date bids are opened)</small>	DBE Dollar Amount
				\$
				\$
				\$
				\$
				\$
				\$
				\$
TOTAL COMMITMENT FOR DBE PRIME OR DBE SUBCONTRACTORS PERFORMING WORK (Transfer this total to the DBE Commitment Summary Table)				\$

**Bidder must submit with its bid the CONFIRMATION BY DBE (DBE FORM 2) for each DBE, stating that it is participating in the Contract as provided in the prime contractor's DBE Commitments Form. (49 C.F.R. Section 26.53(b)). Prime Contract bidders must also submit a DBE COMMERCIALY USEFUL FUNCTION CERTIFICATION FORM (DBE FORM 3) for each DBE listed.*

DBE SUPPLIERS (MATERIALS AND SUPPLIES)

If the materials or supplies are obtained from a **DBE manufacturer****, count 100 percent of the cost of the materials or supplies toward DBE goal.
 If the materials or supplies are purchased from a **DBE regular dealer*****, count 60 percent of the cost of the materials or supplies toward DBE goal.

Bid Item Number(s)	Description of Materials or Supplies	DBE Certification Number	Name of DBE* (Must be certified on the date bids are opened) Specify: Manufacturer or Dealer? (check one)	Total Cost of Materials or Supplies	Percentage to be applied	DBE Dollar Amount (Total Cost times Percentage)
			<input type="checkbox"/> Manufacturer <input type="checkbox"/> Dealer	\$	<input type="checkbox"/> 100%** <input type="checkbox"/> 60%***	\$
			<input type="checkbox"/> Manufacturer <input type="checkbox"/> Dealer	\$	<input type="checkbox"/> 100%** <input type="checkbox"/> 60%***	\$
			<input type="checkbox"/> Manufacturer <input type="checkbox"/> Dealer	\$	<input type="checkbox"/> 100%** <input type="checkbox"/> 60%***	\$
			<input type="checkbox"/> Manufacturer <input type="checkbox"/> Dealer	\$	<input type="checkbox"/> 100%** <input type="checkbox"/> 60%***	\$
			<input type="checkbox"/> Manufacturer <input type="checkbox"/> Dealer	\$	<input type="checkbox"/> 100%** <input type="checkbox"/> 60%***	\$
			<input type="checkbox"/> Manufacturer <input type="checkbox"/> Dealer	\$	<input type="checkbox"/> 100%** <input type="checkbox"/> 60%***	\$
			<input type="checkbox"/> Manufacturer <input type="checkbox"/> Dealer	\$	<input type="checkbox"/> 100%** <input type="checkbox"/> 60%***	\$
			<input type="checkbox"/> Manufacturer <input type="checkbox"/> Dealer	\$	<input type="checkbox"/> 100%** <input type="checkbox"/> 60%***	\$
TOTAL COMMITMENT FOR DBE SUPPLIERS (MATERIALS AND SUPPLIES) (Transfer this total to the DBE Commitment Summary Table)						\$

*Bidder must submit with its bid the CONFIRMATION BY DBE (DBE FORM 2) for each DBE, stating that it is participating in the Contract as provided in the prime contractor's DBE Commitments Form. (49 C.F.R. Section 26.53(b)). Prime Contract bidders must also submit a DBE COMMERCIALY USEFUL FUNCTION CERTIFICATION FORM (DBE FORM 3) for each DBE listed.

a **manufacturer is a firm that operates or maintains a factory or establishment that produces, on the premises, the materials, supplies, articles, or equipment required under the Contract and of the general character described by the specifications. (49 C.F.R. Section 26.55(e))

***a **regular dealer** is a firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials, supplies, articles or equipment of the general character described by the specifications and required under the Contract are bought, kept in stock, and regularly sold or leased to the public in the usual course of business. (49 C.F.R. Section 26.55(e))

City of Placerville Contract Name & Solicitation Number:
Prime Contractor Name:

Bidder (hereinafter “Contractor”) hereby certifies that:

Contractor understands that in order to be eligible for award of a Contract, in addition to all other pre-award requirements, Contractor is required to certify on this DBE Commitments Form for Work Order Contracts that: (1) Contractor will either meet the established DBE goal or will make good faith efforts to attempt to meet the established DBE goal set for any applicable federally-assisted Work Order issued under the Contract; (2) Contractor has made arrangements to meet all the requirements set out in the Contract documents with the certified DBEs listed on this DBE Form 1b, prior to submission of the Bid or Proposal to City of Placerville; and (3) Contractor will make arrangements with certified DBEs prior to submission of proposals to City of Placerville for applicable federally-funded Work Order during the term of the Contract. Contractor further understands that failure to affirmatively make this declaration/certification will cause the Contractor to be considered non-responsive. Failure to complete and submit this form or the inclusion of a false certification may cause Contractor to be deemed non-responsive or not responsible. This certification will be considered as part of the resulting Contract.

Contractor certifies that it has contacted the following DBEs and if it is awarded the Contract, the following DBEs will participate in the Contract as indicated below: (If necessary, use additional sheets.)

DBE Name, Address, Phone Number, Contact Person, and email address	DBE Cert No.	Description of Work to be Awarded to DBE

Bidder must submit with its bid the CONFIRMATION BY DBE (DBE FORM 2) for each DBE, stating that it is participating in the Contract as provided in the prime contractor’s DBE Commitments Form. (49 C.F.R. Section 26.53(b)). Prime Contract bidders must also submit a DBE COMMERCIALY USEFUL FUNCTION CERTIFICATION FORM (DBE FORM 3) for each DBE listed.

Prime Contractor Representative Signature	Date
Prime Contractor Representative Name	Phone
Prime Contractor Representative Title	

DBE COMMERCIALY USEFUL FUNCTION CERTIFICATION

DBE FORM 3

All certified DBE prime contractors, subcontractors, suppliers, or primes that use a DBE subcontractor must meet the commercially useful function requirements under 49 Code of Federal Regulations Part 26.55. This certification form must be completed for each DBE subcontractor used in the fulfillment of acquired goods and/or services. Prime Contractor must answer the following questions as they apply to the goods and/or services being acquired for this Contract.

City of Placerville Contract Name & Solicitation Number:
Prime Contractor Name:

DBE Firm Name:	DBE Certification #:
DBE Function: <input type="checkbox"/> Construction <input type="checkbox"/> Service <input type="checkbox"/> A&E <input type="checkbox"/> Supplier/Dealer <input type="checkbox"/> Manufacturer <input type="checkbox"/> Broker <input type="checkbox"/> Hauling/Trucking	

COMMERCIALY USEFUL FUNCTIONS

	Yes	No	NA
Will the DBE be responsible for the execution of a distinct element of the resulting Contract work?			
Will the DBE carry out the obligation of the Contract by actually performing, managing, and/or supervising the work involved with its own forces?			
Will the DBE perform work that is normal for its business, service, and functions?			
Will the DBE subcontract a portion of the work greater than would be expected by normal industry practices?			
Will the DBE's role be limited to that of an extra participant in a transaction, contract, or project through which funds are passed in order to obtain the appearance of DBE participation?			
Does the DBE have its own employees on the job to perform the work?			
Will the DBE be responsible, with respect to materials and supplies used on the Contract, for negotiating price, determining quality and quantity, installing (where applicable) and paying for the material itself?			
Does the DBE own the equipment being utilized to perform its work? If No, attach equipment list, ownership documents, and rental/lease agreements.			
Hauling/Trucking Firms:* Does the DBE hauling firm own and/or lease their trucks? (Prime Contractor must review ownership/vehicle registration and/or lease documents to verify.)			
Hauling/Trucking Firms:* Does the DBE employ drivers for trucks owned by the company? (If leased trucks include operators, this should be indicated in the agreement/purchase order.)			
If awarded a Contract, does the DBE agree to register as a vendor in City of Placerville's vendor portal?			

For any question marked 'No', please explain:

**Hauling/Trucking Firm DBEs receive credit for the total value of the transportation services it provides on the Contract using trucks it owns, insures, and operates using drivers it employs. The DBE must itself own and operate at least one fully licensed, insured, and operational truck used on the Contract.*

City of Placerville Contract Name & Solicitation Number:	
Contract DBE Goal: _____ %	Total Bid Amount: \$ _____
Prime Contractor's Committed DBE Participation: _____ %	
Prime Contractor Name:	
Prime Contact Person Name:	Email:
Phone Number:	
Name of Prime representative who attended pre-bid conference:	

For Contracts with an established DBE participation goal, if any of the three low Bidders do not meet the established contract DBE goal, then that Bidder must submit good faith efforts documentation no later than 5 days after Bid opening. Good faith effort is not required for Contracts without a DBE goal. See 49 CFR Section 26.53 <https://www.law.cornell.edu/cfr/text/49/26.53>

PRIME CONTRACTOR DOCUMENTATION OF GOOD FAITH EFFORTS

Answers to the following questions and related documentation must be submitted with this form.

A. Items of work the bidder made available to DBE firms.

1. Describe the work and approximate dollar amount, as a percentage of total work, made available to the certified DBEs.
2. What work item(s) that your firm would normally perform were made available to the certified DBEs?
3. What work items were broken down into economically feasible units to facilitate DBE participation? It is the Bidder's responsibility to demonstrate that sufficient work to meet the goal was made available to DBE firms.

B. Effort made to advertise the projects to include DBE participation.

4. What efforts were made to advertise and request DBE participation for this Contract? Provide the names and date(s) of advertisements soliciting DBEs. Attach copies of all advertisements.

C. Solicitation effort documentation.

5. Provide the date(s) and name(s) of certified DBEs that were given written notices and/or emails soliciting DBE quotes (attach copies of written notices, including emails).
6. Date(s) and name(s) of certified DBEs and the contact persons that were telephoned for quotes (attach copy of telephone log).
7. Date(s) and name(s) of certified DBEs that your firm followed up with using written notices and/or telephone calls to determine with certainty if the DBEs you initially solicited are interested (attach copies of written notices and/or emails, and/or follow-up telephone log).
8. Explain efforts made to provide information about the plans, specifications, and contract requirements to certified DBEs.

SUBSTITUTION REQUEST FOR DISADVANTAGED BUSINESS ENTERPRISE (DBE) INSTRUCTIONS

Contractor must complete the substitution request form and submit the request to the City of Placerville Resident Engineer or Contract Manager. Contractor must provide the names of the firms involved, check the box for DBE or non-DBE as applicable, and provide the original item number, work description, completed dollar amount, remaining dollar amount and the proposed item number, work description and dollar amount. If a portion of the work has already been completed by the listed or previously approved firm, Contractor must provide an explanation in the remarks section. Contractor must have good cause to terminate the DBE firm and must check the box for one or more of the ten listed reasons. If the substitution request requires a good faith effort to substitute a listed DBE with a firm that is not certified as a DBE, Contractor must submit the documentation of good faith effort to the City of Placerville resident engineer or project manager.

The City of Placerville Resident Engineer or Contract Manager must review the substitution request upon receipt of a written request for substitution of a listed (DBE) and after review, must sign the request form and forward (along with good faith effort documentation if applicable) with recommendations to the City of Placerville Disadvantaged Business Enterprise Liaison Officer (DBELO) for approval.

The City of Placerville DBELO may provide written consent for substitution of the listed DBE firm only if the City of Placerville DBELO agrees, for reasons stated in City of Placerville's Substitution Request for DBE Form, that the Contractor has good cause to terminate the DBE firm, and if applicable the City of Placerville DBELO has reviewed and approved the good faith effort.

The City of Placerville DBELO can approve the substitution request if:

- 1) Either one DBE is to be substituted for another DBE if the same items of work are involved and the dollar value is equal to or greater than the original bid or proposal. Or if not, the DBELO has reviewed and approved the good faith efforts to locate a different DBE.
- 2) If applicable, the new DBE is certified at the time of substitution; and
- 3) The good cause reason for substitution is based on one or more of the ten listed reasons.

DISADVANTAGED BUSINESS ENTERPRISES (DBE) PAYMENT REPORT

DBE FORM 6

Prime Contractors are required to submit this form to City of Placerville’s DBELO via email no later than the 10th of the month following the submission of an invoice for payment that includes a payment to a DBE. If no payments have been made, do not submit the form, but notify City of Placerville’s DBELO via email that no payments were made for the given period. List all DBEs regardless of tier, whether or not the firms were originally listed in Prime Contractor’s Bid as a DBE Commitment. If actual DBE utilization (or item of work) was different than that approved at the time of award, provide comments. List actual amount paid to each entity. Use multiple forms, if necessary.

CONTRACT NAME AND NUMBER:	MONTH:	YEAR:
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PRIME CONTRACTOR:	BUSINESS ADDRESS:
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ITEM NUMBER(S) OF WORK PERFORMED	DBE FIRM NAME AND BUSINESS ADDRESS	DBE CERT. NUMBER	DBE BUSINESS TYPE*	DATE OF PAYMENT	AMOUNT PAID THIS PERIOD	TOTAL PERCENT OF DBE WORK COMPLETED TO DATE	COMMENTS

List all Disadvantaged Business Enterprises (DBEs) regardless of tier, whether or not the firms were originally listed for goal credit. If actual DBE utilization (or item of work) was different than that approved at the time of award, provide comments. List actual amount paid to each entity.

*Select the most appropriate DBE Business Type: Construction, Service, A&E, Supplier/Dealer, Manufacturer, Broker. Note: for Hauling/Trucking, use DBE Form 7.

By executing this form, Contractor represents and warrants, under penalty of perjury, that 1) Contractor contracted with the DBE companies as set forth in their awarded Bid on this Contract; and 2) Contractor paid the full amounts listed on this form to the DBEs, without reduction or offset.

CONTRACTOR REPRESENTATIVE SIGNATURE:	CONTRACTOR’S REPRESENTATIVE NAME: (PRINT)	BUSINESS PHONE NUMBER:	DATE:
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FOR CITY OF PLACERVILLE USE ONLY

CITY OF PLACERVILLE DISADVANTAGED BUSINESS ENTERPRISE LIAISON OFFICER (DBELO) SIGNATURE:	CITY OF PLACERVILLE DBELO NAME: (PRINT)	BUSINESS PHONE NUMBER:	DATE:
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DISADVANTAGED BUSINESS ENTERPRISES (DBE) PAYMENT REPORT INSTRUCTIONS

Title 49, Code of Federal Regulations (CFR) Section 26.37(c) requires recipients of federal-aid funding to “provide a running tally of actual attainments, including a means of comparing these attainments to commitments.” To comply with 49 CFR 26.37(c), the prime contractors/consultants must complete DBE Form 5 and email it to City of Placerville’s DBELO after submitting an invoice for reimbursement that includes a payment to a DBE, but no later than the 10th of the following month. Submission of this form is required until all DBE subcontracting or material supply activity on the entire Contract is completed.

Contractor must enter the Contract number, reporting month and year, and prime contractor name and address. For each DBE, Contractor must identify the item(s) of work performed, the DBE firm name, address, certification number, amount actually paid to the DBE, payment date, percent of participation credited towards Contract commitment (as detailed below), and total percent of work completed to date. It is helpful to include copies of DBE invoices with DBE Form 5 submissions. Contractor must use the comments section to explain any differences in the original commitment and the payments to the DBE firms. If a subcontractor performing work as a non-DBE on the Contract becomes certified as a DBE, Contractor must enter the amount paid for work performed after certification as a DBE. Contractor must sign, print name, and date the form indicating that the information provided is completed and correct.

Credit for materials or supplies purchased from DBEs will be evaluated in the following manner:

1. 100 percent if the materials or supplies are obtained from a DBE manufacturer.
2. 60 percent if the materials or supplies are obtained from a DBE regular dealer.
3. Only fees, commissions, and charges for assistance in the procurement and delivery of materials or supplies if they are obtained from a DBE that is neither a manufacturer nor a regular dealer. 49 CFR Section 26.55 defines manufacturer and regular dealer. <https://www.law.cornell.edu/cfr/text/49/26.55>

Contractor receives credit toward an established DBE goal by employing a DBE trucking company that is performing a commercially useful function. The Department of Transportation uses the following factors in determining whether a DBE trucking company is performing a commercially useful function:

- The DBE must be responsible for the management and supervision of the entire trucking operation for which it is responsible on a particular Contract, and there cannot be a contrived arrangement for the purpose of meeting DBE goals.
- The DBE must itself own and operate at least one fully licensed, insured, and operational truck used on the contract.
- The DBE receives credit for the total value of the transportation services it provides on the Contract using trucks it owns, insures, and operates using drivers it employs.
- The DBE may lease trucks from another DBE firm, including an owner-operator who is certified as a DBE. The DBE who leases trucks from another DBE receives credit for the total value of the transportation services the lessee DBE provides on the Contract.
- The DBE may lease trucks without drivers from a non-DBE truck leasing company. If the DBE leases trucks from a non-DBE truck leasing company and uses its own employees as drivers, it is entitled to credit for the total value of these hauling services.
- A lease must indicate that the DBE has exclusive use of and control over the truck. This does not preclude the leased truck from working for others during the term of the lease with the consent of the DBE, so long as the lease gives the DBE absolute priority for use of the leased truck. Leased trucks must display the name and identification number of the DBE.

DISADVANTAGED BUSINESS ENTERPRISES (DBE) TRUCKING VERIFICATION

DBE FORM 7

CONTRACT NAME AND NUMBER:	MONTH:	YEAR:
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PRIME CONTRACTOR:	BUSINESS ADDRESS:
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TRUCK OWNER	DBE CERT. NUMBER	COMPANY NAME AND ADDRESS	TRUCK NO.	CALIFORNIA HIGHWAY PATROL CA NO.	COMMISSION OR AMOUNT PAID	DATE PAID	LEASE ARRANGEMENT* (Check if applicable)
							Lease Agreement <input type="checkbox"/> with Non-DBE <input type="checkbox"/> with DBE
							Lease Agreement <input type="checkbox"/> with Non-DBE <input type="checkbox"/> with DBE
							Lease Agreement <input type="checkbox"/> with Non-DBE <input type="checkbox"/> with DBE
							Lease Agreement <input type="checkbox"/> with Non-DBE <input type="checkbox"/> with DBE
							Lease Agreement <input type="checkbox"/> with Non-DBE <input type="checkbox"/> with DBE
							Lease Agreement <input type="checkbox"/> with Non-DBE <input type="checkbox"/> with DBE
							Lease Agreement <input type="checkbox"/> with Non-DBE <input type="checkbox"/> with DBE
							Lease Agreement <input type="checkbox"/> with Non-DBE <input type="checkbox"/> with DBE

*Upon request, all Lease Agreements must be made available

By executing this form, Contractor represents and warrants, under penalty of perjury, that the information provided is complete and correct and Contractor paid the full amounts listed on this form to the DBEs, without reduction or offset.

CONTRACTOR REPRESENTATIVE SIGNATURE:	CONTRACTOR'S REPRESENTATIVE NAME: (PRINT)	BUSINESS PHONE NUMBER:	DATE:
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FOR CITY OF PLACERVILLE USE ONLY

CITY OF PLACERVILLE DISADVANTAGED BUSINESS ENTERPRISE LIAISON OFFICER (DBELO) SIGNATURE:	CITY OF PLACERVILLE DBELO NAME: (PRINT)	BUSINESS PHONE NUMBER:	DATE:
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DISADVANTAGED BUSINESS ENTERPRISES (DBE) TRUCKING VERIFICATION INSTRUCTIONS

Contractor must enter the Contract number, reporting month and year, federal aid number, prime contractor name and address.

The form has a column to enter the name of the Truck Owner, DBE Cert. No. (if DBE Certified) and the Name and Address of the trucking company. The form also requires the Truck No. and the California Highway Patrol (CA) Identification Number.

For any Contract that includes trucking, Contractor must submit the form each month, showing the dollar amount paid to the DBE trucking company(s) for trucking work performed by DBE certified trucks and for any fees or commissions of non-DBE trucks utilized each month on the Contract. The amount paid to each trucking company must be entered in the Commission or Amount Paid column.

In determining how much credit percentage to allow for the trucking company toward the DBE Contract goal, use the following factors:

- The listed DBE must own and operate at least one fully licensed, insured, and operational truck used on the Contract.
- The DBE receives credit for the total value of the transportation services it provides on the Contract, using trucks it owns, insures, and operates, and using drivers it employs.
- The DBE may lease trucks from another DBE firm, including an owner-operator who is certified as a DBE. The DBE that leases trucks from another DBE firm receives credit for the total value of the transportation services the lessee DBE provides on the Contract.
- The DBE may also lease trucks from a non-DBE firm or a non-DBE owner-operator. The DBE who leases trucks from a non-DBE is entitled to credit only for the fee or commission it receives as a result of the lease arrangement. The DBE does not receive credit for the total value of the transportation services provided by the lessee because a DBE is not providing these services.
- A lease must indicate that the DBE has exclusive use of and control over the truck. The leased truck may work for others during the term of the lease with the consent of the DBE, as long as the lease gives the DBE absolute priority for use of the leased truck. (Generally, the lease must be long term and not for the specific project.)

The total dollar figure of the Commission or Amount Paid column must be placed in the box labeled Total Amount Paid. The Date Paid column requires the date that each trucking company was paid for services rendered. The Lease Arrangement column requires information if a lease arrangement is applicable.

Contractor and the City of Placerville Disadvantaged Business Enterprise Liaison Officer (DBELO) sign and date the form indicating that the information provided is completed and correct and the DBE paperwork and worksites have been monitored for participation.

Reference Title 49 of the Code of Federal Regulations (CFR), Part 26.55(c) and (d): <https://www.law.cornell.edu/cfr/text/49/26.55>

FINAL REPORT - UTILIZATION OF DISADVANTAGED BUSINESS ENTERPRISES

DBE FORM 8

Prime contractors are required to submit this form to City of Placerville’s DBELO via email no later than the 10th of the month following the submission of the final project invoice for payment. Contractor must list all first-tier subcontractors and all Disadvantaged Business Enterprises (DBEs) regardless of tier, whether or not the firms were originally listed for DBE goal credit. If actual DBE utilization (or item of work) was different than that approved at the time of award, Contractor must provide comments. If more space is needed, Contractor must include additional pages or attachments. Contractor must list actual amount paid to each entity.

CONTRACT NAME & NUMBER		CONTRACT COMPLETION DATE
PRIME CONTRACTOR	BUSINESS ADDRESS	AWARDED CONTRACT AMOUNT
ORIGINAL DBE COMMITMENT AMOUNT (\$):		ORIGINAL DBE COMMITMENT PERCENTAGE (%):

ITEM NO.	DESCRIPTION OF WORK PERFORMED AND MATERIALS PROVIDED	COMPANY NAME AND BUSINESS ADDRESS	DBE CERT. NUMBER	TOTAL CONTRACT PAYMENTS		DATE WORK COMPLETE	DATE OF FINAL PAYMENT
				NON-DBE	DBE		
				\$	\$		
				\$	\$		
				\$	\$		
				\$	\$		
				\$	\$		
				\$	\$		
				\$	\$		
				\$	\$		
				\$	\$		
				\$	\$		
			TOTAL	\$	\$		

FINAL TOTAL CONTRACT AMOUNT (\$): <i>(Total amount paid to Prime Contractor)</i>	FINAL TOTAL DBE UTILIZATION PAYMENT AMOUNT (\$): <i>(Total amount paid to all DBEs)</i>	FINAL TOTAL DBE UTILIZATION PERCENTAGE (%): <i>(Total amount paid to all DBEs divided by Total amount paid to Prime Contractor)</i>
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Comments:

By executing this form, Contractor certifies that the information is complete and correct, and represents and warrants, under penalty of perjury, that 1) Contractor contracted with the DBE companies as set forth in this form; and 2) Contractor paid the full amounts listed on this form to the DBEs, without reduction or offset.

CONTRACTOR REPRESENTATIVE SIGNATURE:	CONTRACTOR'S REPRESENTATIVE NAME: (PRINT)	BUSINESS PHONE NUMBER:	DATE:
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FOR CITY OF PLACERVILLE USE ONLY
I certify that the contracting records and on-site performance of the DBE(s) has been monitored.

CITY OF PLACERVILLE DBELO SIGNATURE:	CITY OF PLACERVILLE DBELO NAME: (PRINT)	BUSINESS PHONE NUMBER:	DATE:
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FINAL REPORT - UTILIZATION OF DISADVANTAGED BUSINESS ENTERPRISES INSTRUCTIONS

This form has two columns for entering the dollar value for the item(s) of work performed or provided by the firm. The Non-DBE column is used to enter the dollar value of work performed by first-tier subcontracting firms who are not certified as a DBE. The DBE column is used to enter the dollar value of work performed by firms that are certified DBEs, regardless of tier.

If a firm performing work as a DBE under the Contract becomes decertified and still performs work after the decertification date, Contractor must enter the total dollar value for work performed by this firm while certified under the DBE column, and the total dollar value for work performed after the decertification date in the Non-DBE column.

If a firm performing work as a non-DBE on the Contract becomes certified as a DBE, Contractor must enter the dollar value of all work performed before certification under the Non-DBE column, and the dollar value of all work performed after certification as a DBE under the DBE column.

Contractor must enter the Date Work Completed as well as the Date of Final Payment (the date when the prime contractor made the final payment to the DBE firm for the item of work listed as being completed).

Contractor must use the comments section to explain any differences in the original commitment and the final utilization of DBE firms.

Contractor and the City of Placerville Disadvantaged Business Enterprise Liaison Officer (DBELO) sign and date the form indicating that the information provided is completed and correct and the DBE paperwork and worksites have been monitored for participation.

DBE CONTRACT COMPLIANCE REVIEW CHECKLIST (CCRC)

DBE FORM 9

Contract Name: _____ Contract CN: _____ Contract PO #: _____ Contract Manager Name(s), Department, Phone, Email: _____ City of Placerville DBELO Name, Phone, Email: _____ City of Placerville Procurement Analyst Name, Phone, Email: _____	DBE Goal %: _____ DBE Commitment %: _____ DBE Commitment \$: _____
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Prime Contractor: _____
 Prime Contract Award Amount: _____
 Prime Contractor Main Point of Contact: _____
 Prime Contractor Compliance/Administrative Point of Contact: _____
 Contract Type (check one): Construction Service Supply/Material

Copy this section for multiple DBE Awards

DBE Name: _____
 DBE Caltrans CUCP Registration Number: _____ (<https://dot.ca.gov/programs/civil-rights/dbe-search>)
 DBE Business Type, see 49 CFR §26.55 (check one): service/construction supplier manufacturer trucking
 DBE Award Amount: _____
 DBE Approved NAICS Codes: _____

Add a row for each additional payment. Keep running total of all payments to compare to award amount.

Completed (Check this box when all payments to this DBE are completed)

Date	Payment Amount	Paid-to-Date Total	Notes

Pre-Award Contract Checklist (Procurement and DBELO)

- DBE Commitment Form completed and signed by the prime contractor or, alternatively, DBE subcontractor quote is provided. Reviewed and approved by City of Placerville DBELO.
- If prime contractor is unable to meet the DBE goal, collect documentation of its good faith effort and submit to City of Placerville DBELO for review for approval prior to award.
- Ensure subcontractor quotes for both DBEs and non-DBEs are included as part of the good faith effort documentation in those instances where a non-DBE's quote is selected over a DBE's quote due to the prime's determination that the DBE firm's quote was too high or unreasonable.
- Ensure that DBEs are registered with Caltrans CUCP (<https://dot.ca.gov/programs/civil-rights/dbe-search>); save to procurement file a PDF of CUCP search results as proof of registration.
- Ensure that the NAICS codes included on the bid accurately reflect the items of work to be performed by the DBE firm(s). Also ensure that the DBE firm is certified with the applicable NAICS codes for that type of work (<https://dot.ca.gov/programs/civil-rights/dbe-search>).
- Ensure that all DBE subcontractors are registered in City of Placerville's eProcurement vendor database, including the DBE registration number and expiration, gross receipts, and business age data.

Post Award Contract Checklist (DBELO)

- Collect fully-executed (signed) subcontracts for all DBE firms listed.
- Ensure that DBE Contract assurance and prompt payment requirement language is included in all prime and subcontractor agreements. (49 CFR §26.13 Assurances & 49 CFR §26.29 Prompt Payment)
- Review DBE subcontract(s) to ensure firms listed and scope of work is consistent with what is listed on the bid.
- Ensure dollar value of DBE subcontract(s) is/are equal to or greater than the amount(s) listed on the bid.

Contract Compliance Checklist (DBELO and Project Manager)

- Complete DBE Commercially Useful Function review within 5 days of DBE commencing work to verify that the DBEs are performing a commercially useful function. This must be completed for all DBE firms participating on the Contract, including those not used to meet a DBE goal. (49 CFR §26.55(c) and (d))
- Verify that business names on equipment and vehicles are not covered with paint or magnetic signs (visual inspection of vehicles on site)
- Verify who employs the workers on site (visually inspect badges/IDs; establish reporting relationships of workers on site/review certified payrolls)

<input type="checkbox"/>	Review supplier invoices and cancelled checks to verify that firm orders and pays for the necessary supplies being used by the DBE subcontractor. (49 CFR §26.55(e))
<input type="checkbox"/>	Collect and review Certified Payroll Reports, Unconditional Waiver Releases, Construction Progress Meeting Minutes, and Inspector Daily Reports. Save all documentation to Contract file.
<input type="checkbox"/>	Ensure all DBE firms are paid promptly (within 30 days of payment to prime contractor) by collecting and reviewing DBE Payment Reports (DBE Forms 5 and 6) and DBE invoices and Unconditional Waiver and Release or Prompt Payment Certifications. Submit copies to DBELO for review. (49 CFR §26.29 Prompt Payment)
<input type="checkbox"/>	DBELO: Record DBE payments. Check this box after the last payment is made for all DBEs.
<input type="checkbox"/>	Collect and review Final DBE Utilization Report (DBE Form 7). Must be approved by DBELO.

DBE Termination and Substitution Checklist (Contract Manager)

<input type="checkbox"/>	Document and file any correspondence related to terminations, substitutions, or deletions of DBE firms.
<input type="checkbox"/>	Ensure documentation is included which verifies DBE firm received sufficient notice and time to respond to the notice of intent to terminate or substitute (minimum 5 day notice per 49 CFR §26.53)
<input type="checkbox"/>	Ensure written approval was received from City of Placerville DBELO prior to making any substitutions for an approved DBE subcontractor - complete DBE Form 4 and submit to DBELO for review and approval.
<input type="checkbox"/>	If terminations, substitutions, or deletions were approved, collect documentation of prime contractor's good faith effort to find a replacement firm (Contractor must submit good faith effort documentation to City of Placerville within 7 days of the request for documentation) prior to performance of the work originally to be performed by the DBE firm being replaced.

Post Contract Checklist (DBELO)

<input type="checkbox"/>	Ensure DBE goal has been achieved by reviewing Final DBE Utilization Report (DBE Form 7) when submitted by Contract Manager.
<input type="checkbox"/>	If a shortfall exists, request and review Good Faith Effort documentation from prime contractor explaining reasons shortfall took place.

Subrecipient Monitoring Compliance (DBELO/Grants/Procurement)

Use this section for Subrecipient Monitoring. Reference: City of Placerville Federal Grant Program Subrecipient Monitoring, Management, and Administration Plan

<input type="checkbox"/>	Verify that Subrecipient has an approved DBE Program.
<input type="checkbox"/>	Verify receipt and review by City of Placerville Procurement and Legal of FTA Mandatory Procurement Standards Worksheet from subrecipient. The worksheet and requirements are contained in Exhibit 1 of City of Placerville's Subrecipient Monitoring Plan document.
<input type="checkbox"/>	Verify that Subrecipient has a contract clause that requires primes to pay subcontractors for satisfactory performance of their contract work no later than 30 days from receipt of payment for such work from the subrecipient.
<input type="checkbox"/>	Verify that Subrecipient has a process to monitor contractors for compliance with applicable DBE requirements. Subrecipients may request a copy of City of Placerville's CCRC to use for this purpose if they do not have their own monitoring mechanism.
<input type="checkbox"/>	Verify that Subrecipient follows all Transit Vehicle Manufacturer (TVM) requirements specified below, if applicable.
<input type="checkbox"/>	Quarterly: subrecipients must submit DBE payment information to City of Placerville DBELO for inclusion in FTA Uniform Reports. Procedures are contained in Appendix E of City of Placerville's Subrecipient Monitoring Plan document.

Transit Vehicle Manufacturer (TVM) DBE Requirement Checklist (49 CFR §26.49) (Procurement)

This section applies only to Transit Vehicle Procurements.

<input type="checkbox"/>	Confirm that there is a provision in the solicitation requiring the certification from TVMs as a condition of permission to bid.
<input type="checkbox"/>	Confirm receipt from each transit vehicle manufacturer, as a condition of being authorized to bid or propose on FTA-assisted transit vehicle procurements, a certification that it has complied with the requirements of 49 CFR §26.49.
<input type="checkbox"/>	Verify that the TVM is authorized to bid or propose on U.S. DOT-assisted transit vehicle procurements. Save a PDF of the certified TVM list in the procurement file to document that the requirement was met. FTA's certified list of TVMs is posted on the FTA website at: https://www.transit.dot.gov/regulations-and-guidance/civil-rights-ada/eligible-transit-vehicle-manufacturers
<input type="checkbox"/>	Within 30 days of making an award, submit the name of the successful bidder, and the total dollar value of the contract in the manner prescribed in the grant agreement. City of Placerville will submit the required post-award TVM report online at: https://www.surveymonkey.com/r/vehicleawardreportsurvey . To confirm notification of TVM award has been made to FTA, save a PDF of the notification of TVM award in the procurement file to document that the requirement was met.
<input type="checkbox"/>	FOR SUBRECIPIENTS: within 30 days of making an award to purchase transit vehicles, subrecipients must send to City of Placerville a letter on agency letterhead stating the name of the successful TVM bidder and the total dollar value of the contract. City of Placerville must in turn send the subrecipient's letter and verification of confirmation that the TVM is on the FTA certified list of TVMs Eligible to Bid on Federally Funded Transit Agency Contracts to the FTA RCRO.

Contract Completion Date

Certification pursuant to 49 CFR Section 26.37(b): I hereby certify that the contracting records for the Contract listed above have been reviewed and the work site has been visited/monitored, as applicable.

Contract Manager Signature: _____ Date: _____

Contract Manager Printed Name: _____

Contract Manager Title: _____

DBELO Signature: _____ Date: _____

DBELO Printed Name: _____

Title: Disadvantaged Business Enterprise Liaison Officer (DBELO)



CITY OF PLACERVILLE
ENGINEERING DEPARTMENT

PLACERVILLE STATION II PARK-N-BUS

Project No. 40708

EXHIBIT C – CONTRACT DOCUMENTS

August, 2022

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CONTRACT (AGREEMENT)

CITY OF PLACERVILLE
PLACERVILLE STATION II PARK-N-BUS
CIP #40708

THIS AGREEMENT ("Agreement") approved by the City Council this ____ day of _____, in the year of 2022, made and concluded, in duplicate, between the CITY OF PLACERVILLE, a political subdivision of the State of California, by the Engineering Department thereof, the party of the first part hereinafter called "City," and _____ party of the second part hereinafter called "Contractor."

WITNESSETH:

WHEREAS, City has caused the above-captioned project to be let to formal bidding process, and

WHEREAS, Contractor has duly submitted a bid response for the captioned project upon which City has awarded this contract;

NOW, THEREFORE, the parties hereto have mutually covenanted and agreed, and by these presents do covenant and agree, each with the other, as follows:

Article 1. THE WORK

The Contractor shall complete the Work as specified or indicated under the Bid Schedule(s) of the City's Contract Documents entitled:

PLACERVILLE STATION II PARK-N-BUS
CIP #40708

The project is located in the City of Placerville in El Dorado County. The Work to be done is shown on the Plans and as described in the Special Provisions.

Article 2. CONTRACT DOCUMENTS

The Contract Documents consist of: the Notice to Bidders; the bid forms which include the accepted Proposal, Bid Price Schedule and Total Bid, Subcontractors Listing, Section 10285.1 Statement, Section 10162 Questionnaire, Section 10232 Statement, Noncollusion Affidavit, Bidder's Bond; the Contract which includes this Agreement, Workers Compensation Certificate, Performance Bond, and Payment Bond; the drawings listed and identified as the Project Plans; the Special Provisions and all Addenda incorporated in those documents before their execution, and all Contract Change Orders issued in accordance with the Contract Documents which may be delivered or issued after the Effective Date of this Agreement and are not attached hereto; the prevailing Labor Surcharge And Equipment Rental Rates (when required) as determined by the Department of Industrial Relations to be in effect on the date the Work is accomplished; and all the obligations of City and of Contractor which are fully set forth and described therein; all Contract Documents which are hereby specially referred to and by such reference made a part hereof. All Contract Documents are intended to cooperate so that any work called for in one and not mentioned in the other is to be executed the same as if mentioned in all Contract Documents. Contractor agrees to perform all of its promises, covenants, and conditions set forth in the Contract Documents, and to abide by and perform all terms and conditions set forth therein. In case of conflict between this Agreement and any other contract document, this Agreement shall take precedence.

Article 3. COVENANTS AND CONTRACT PRICE

The City hereby promises and agrees with the said Contractor to employ, and does hereby employ, the said Contractor to provide the material and to do the Work according to the terms and conditions of

the Contract Documents herein contained and referred to, for the prices hereinafter set forth, and hereby contracts to pay the same at the time, in the manner and upon the conditions herein set forth; and the said parties for themselves, their heirs, executors, administrators, successors and assigns, do hereby agree to the full performance of the covenants herein contained. The City shall pay the Contractor for the completion of the Work in accordance with the Contract Documents in current funds the Contract Prices named in the Contractor's Bid and Bid Price Schedule, a copy of which is attached hereto as Exhibit "A".

Article 4. COMMENCEMENT, COMPLETION, AND LIQUIDATED DAMAGES

The Work to be performed under this Contract shall commence within 15 calendar days from the date specified on the Notice to Proceed issued by the City. The Work shall be diligently prosecuted to completion before the expiration of 75 WORKING DAYS beginning on the fifteenth calendar day after the date shown on the Notice to Proceed pursuant to the Special Provisions.

The City and the Contractor recognize that time is of the essence of the Agreement and that the City will suffer financial loss if the Work is not completed within the time specified in the Special Provisions annexed hereto, plus any extensions thereof allowed in accordance with the Special Provisions. They also recognize the delays, expense, and difficulties involved with proving in a legal proceeding the actual loss suffered by the City if the Work is not completed on time. Accordingly, instead of requiring any such proof, the City and the Contractor agree that as liquidated damages for delay (but not as a penalty) the Contractor shall pay the City the sum of four thousand eight hundred dollars (\$4,000.00) for each calendar day in excess of the number of working days prescribed above.

Article 5. INDEMNITY

To the fullest extent of the law, the Contractor shall defend, indemnify, and hold the City and its employees harmless against and from any and all claims, suits, losses, damages, and liability for damages, including attorney's fees and other costs of defense brought for or on account of injuries to or death of any person, including but not limited to, workers and the public, or on account of injuries to or death of City employees, or damage to property, or any economic consequential or special damages which are claimed or which shall in any way arise out of or be connected with Contractor's services, operations or performance hereunder, regardless of the existence or degree of fault or negligence on the part of the City, the Contractor, subcontractors or employee of any of these, except the active, or sole, negligence of the City, its officers and employees, where expressly prescribed by statute.

The duty to indemnify and hold harmless the City specifically includes the duties to defend set forth in Section 2778 of the Civil Code. The insurance obligations of the Contractor are separate, independent obligations under the Contract Documents, and the provision of this defense and indemnity are not intended to modify nor should they be construed as modifying or in any way limiting, the insurance obligations set forth in the Contract Documents.

Article 6. GUARANTEES

Contractor shall repair or replace any or all work provided hereunder which is defective due to faulty materials, poor workmanship, or defective equipment at no expense to the City, ordinary wear or tear and unusual abuse or neglect excepted, during the term of the contract and for a period of one year from the date of final accept the Work.

Contractor shall be required to repair or replace any and all adjacent facilities or areas which have been damaged or displaced due to contractor work performed under this Agreement at no expense to the City during the term of this Agreement and for a period of one year from the date of final acceptance of the Work.

The parties agree that this guarantee and the rights and obligations accruing therefrom shall be in addition to, and not by way of limitation in any manner whatsoever to, the rights, obligations, warranties or remedies otherwise provided for by law.

In the event of Contractor's failure to comply with the above mentioned conditions within ten (10) calendar days after being notified in writing by the City, Contractor hereby authorizes City to proceed to have said defects repaired and made good at Contractor's expense, and Contractor will honor and pay all costs and charges therefore upon written demand.

Article 7. DISPUTES RESOLUTION

- a. CONTINUE WORK DURING DISPUTE: In the event of any dispute between the City and the Contractor, the Contractor will not stop Work but will prosecute the work diligently to completion in the manner directed by the City, and the dispute shall be resolved by mediation or through a court of law after completion of the Work. However, all disputes must be submitted by Contractor in accordance with subsequent provisions of this section.
- b. CITY'S REVIEW OF CLAIM: The City 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 subsection "c" herein, 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 City shall be made final and conclusive except as is otherwise provided herein.
- c. REQUIREMENTS FOR FILING A CLAIM: For any Claim Subject to this section, the following requirements apply: 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 the filing of claims.
 - 1. For claims of less than fifty thousand dollars (\$50,000), the City shall respond in writing to any claim within 45 days of the 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 City may have against the claimant. If additional information is thereafter required, it shall be requested and provided pursuant to this subdivision, upon mutual agreement of the City and the claimant. The City's written response to the claim, as further documented, shall be submitted to the claimant within 15 days after the 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 fifty thousand dollars (\$50,000) or more, but less than or equal to three hundred seventy-five thousand dollars (\$375,000), the City shall respond in writing to all written claims within 60 days of the 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 City may have against the claimant. If additional information is thereafter required, it shall be requested and provided pursuant to this subdivision, upon mutual agreement of the City and the claimant. The City's written response to the claim, as further documented, shall be submitted to the claimant within 30 days after the 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.
 - 3. If the claimant disputes the City's written response, or the City fails to respond within the time prescribed, the claimant may so notify the City, in writing, either within 15 days of the City's response or within 15 days of the City's failure to respond within the time prescribed, respectively, and demand an informal conference to meet and confer for the settlement of the issues in dispute. Upon a demand, the City 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 Chapter 1 (commencing with Section 900) and Chapter 2 (commencing with Section 910) of Part 3 of Division 3.6 of Title 1 of the Government Code. For the purpose of these provisions, the running of the period of time within which a claim must be filed shall be tolled from the time the claimant submits a written claim pursuant to subdivision (a) until the time the

claim is denied as a result of the meet and confer process, including any period of time utilized by the meet and confer conference.

- d. CLAIMS EXEMPT FROM REVIEW: The procedures and remedies provided in this Article 7 do not apply to:
 - 1. Any claims by the City.
 - 2. Any claims for or respecting personal injury or death or reimbursement or other compensation arising out 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 approve, or substitution of subcontractors, regardless of tier, and suppliers.
- e. PROCEDURE TO RESOLVE CIVIL CLAIMS: The City and Contractor shall follow procedures established for all civil actions filed to resolve claims pursuant to Section 20104.4 of the Public Contract Code.
- f. PAYMENT OF UNDISPUTED PORTION OF CLAIM: Payment by City of undisputed portion of claim; interest on arbitration award or judgment.
 - 1. City shall pay 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 City shall pay interest at the legal rate on any arbitration award or judgment. The interest shall begin to accrue on the date the suit is filed in a court of law.
- g. SUIT IN EL DORADO COUNTY ONLY: Any litigation arising out of this Contract shall be brought in El Dorado County and the Contractor hereby waives the removal provisions of California Code of Civil Procedure Section 394.

Article 8. ASSIGNMENT OF ANTITRUST ACTIONS

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 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 or the subcontract. This assignment shall be made and become effective at the time the awarding body tenders final payment to the contractor, without further acknowledgment by the parties.

If an awarding body or public purchasing body receives, either through judgment or settlement, a monetary recovery for a cause of action assigned under this chapter, the assignor shall be entitled to receive reimbursement for actual legal costs incurred and may, upon demand, recover from the public body any portion of the recovery, including treble damages, attributable to overcharges that were paid by the assignor but were not paid by the public body as part of the bid price, less the expenses incurred in obtaining that portion of the recovery. Upon demand in writing by the assignor, the assignee shall, within one year from such demand, reassign the cause of action assigned under this part if the assignor has been or may have been injured by the violation of law for which the cause of action arose and (a) the assignee has not been injured thereby, or (b) the assignee declines to file a court action for the cause of action."

Article 9. TERMINATION BY OWNER FOR CONVENIENCE

The City reserves the right to terminate the Contract at any time upon determination by the City's Representative that termination of the Contract is in the best interest of the City. City shall issue the Contractor a written notice specifying that the Contract is to be terminated.

Upon receipt of said written notice, Contractor shall stop all work under the Contract except: (1) work specifically directed to be completed prior to termination, (2) work the Inspector deems necessary to secure the project for termination, (3) removal of equipment and plant from the site of the Work, (4) action that is necessary to protect materials from damage, (5) disposal of materials not yet used in the Work as directed by the City, and (6) cleanup of the site.

If the Contract is terminated for the City's convenience as provided herein, all finished or unfinished work and materials previously paid for shall, at the option of City, become its property. Contractor shall be paid an amount which reflects costs incurred for work provided to the date of notification of termination. In addition, Contractor shall be paid the reasonable cost, as solely judged by City, and without profit, for all work performed to secure the project for termination.

Article 10. TERMINATION BY OWNER FOR CAUSE

If the Contractor is adjudged as bankrupt or insolvent, or makes a general assignment for the benefit of its creditors or if a trustee or receiver is appointed for the Contractor or for any of its property, or if Contractor files a petition to take advantage of any debtor's act, or to reorganize under the bankruptcy or applicable laws, or on more than one occasion fails to supply sufficient skilled workmen or suitable material or equipment, or on more than one occasion fails to make prompt payments to subcontractors for labor, materials, or equipment, or disregards the authority of the City's Representative, or the Engineer, if one is appointed, or otherwise violates any provision of the Contract Documents, then the City may, without prejudice to any other right or remedy and after giving the Contractor and its Surety a minimum of 10 days from delivery of a written termination notice, terminate the services of the Contractor and take equipment and machinery thereon owned by the Contractor and finish the Work by whatever method the City may deem expedient. In such case, the Contractor shall not be entitled to receive any further payment until the Work is finished.

Without prejudice to other rights or remedies the City may have, if the Contractor fails to begin delivery of materials and equipment, to commence Work within the time specified, to maintain the rate of delivery of material, to execute the Work in the manner and at such locations as specified, or fails to maintain a work program which will ensure the City's interest, or, if the Contractor is not carrying out the intent of the Contract, an Inspector's written notice may be served upon the Contractor and the Surety on its faithful performance bond demanding satisfactory compliance with the Contract. If the Contractor or its Surety does not comply with such notice within 5 days after receiving it, or after starting to comply, fails to continue, the City may exclude it from the premises and take possession of all material and equipment, and complete the Work by City's own forces, by letting the unfinished Work to another Contractor, or by a combination of such methods.

Where the Contractor's services have been so terminated by the City, said termination shall not affect any right of the City against the Contractor then existing or which may thereafter accrue. Any retention or payment of monies by the City due the Contractor will not release the Contractor from compliance with the Contract Documents.

If the unpaid balance of the Contract price exceeds the direct and indirect costs of completing the Work, including compensation for additional professional services, such excess shall be paid to the Contractor. If the sums under the Contract are insufficient for completion, the Contractor or Surety shall pay to the City within 5 days after the completion, all costs in excess of the Contract price. In any event, the cost of completing the Work shall be charged against the Contractor and its Surety and may be deducted from any money due or becoming due from the City.

If the Surety assumes any part of the Work, it shall take the Contractor's place in all respect for that part and shall be paid by the City for all Work performed by it in accordance with the Contract. If the Surety assumes the entire Contract, all money due the Contractor at the time of its default shall be payable to the Surety as the work progresses, subject to the terms of this Contract.

The provisions of the section shall be in addition to all other rights and remedies available to the City under law.

If after notice of termination, it is determined for any reason that the Contractor was not in default, the rights and obligations of the parties shall be the same as if the notice of termination had not been issued. The Contract shall be equitably adjusted to compensate for such termination.

Article 11. WORKERS COMPENSATION CERTIFICATION

Contractor warrants and represents that he is aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers compensation or to undertake self-insurance in accordance with the provisions of that Code. Pursuant to the provisions of California Civil Code sections 1860, 1861, and prior to commencement of work, the Contractor shall sign and file with the City Project Administrator a certification in the form prescribed in section 1861.

Article 12. WARRANTY

The Contractor warrants to the City that materials and equipment furnished for the Work will be good quality and new, unless otherwise required or permitted under the Contract Documents, that the Work will be free from defects or flaws and is of the highest quality of workmanship and that the Work will conform with the requirements herein. Work not conforming to these requirements, including substitutions not properly approved and authorized, shall be considered defective.

Article 13. RETAINAGE AND FINAL PAYMENT

The retention from payment is set forth in Section 9 "Payment" of the Special Provisions. The Contractor may elect to receive 100 percent of payments due as set forth in the Contract Documents, without retention, by depositing securities of equivalent value with the City, in accordance with, and as set forth in Section 22300 of the Public Contract Code.

Final Payment to the Contractor, less retention, in accordance with the final estimate is contingent upon the Contractor furnishing the City with all required forms for project close out and a signed written release of all claims again the City arising by virtue of the Contract. The Contractor, from the operation of the release, may specifically exclude disputed Contract claims in stated amounts. The release shall be in substantially Contract Form 3.

Article 14. AUTHORIZED SIGNATURES

The parties hereto represent that the undersigned individuals executing this Agreement on behalf of their respective parties are fully authorized to do so by law or other appropriate instrument and to bind upon said parties the obligations set forth herein.

IN WITNESS WHEREOF, the said Department of Engineering of the City of Placerville, State of California, has caused this Agreement to be executed by the City Council of the City of Placerville, in its behalf, and the said Contractor has signed this Agreement the day and year written below.

CITY OF PLACERVILLE

Dated _____
City Manager, City of Placerville

CONTRACTOR

Dated _____
Name of Company

By _____
Authorized Representative License No. Federal Employer Identification No.

NOTE: If Contractor is a corporation, the legal name of the corporations shall be set forth above together with the signature of the officer or officers authorized to sign contracts on behalf of the corporation; if Contractor is a co-partnership, the true name of the firm shall be set forth above together with the signature of the partner or partners authorized to sign contracts in behalf of the co-partnership; and if Contractor is an individual, his/her signature shall be placed above. Contractor executing this document on behalf of a corporation or partnership shall be prepared to demonstrate by resolution, article, or otherwise that they are appropriately authorized to act in these regards. For such corporation or partnership, such authority shall be demonstrated to the satisfaction of City. If signature is by an agent, other than officer of a corporation or a member of a partnership, an appropriate Power of Attorney shall be on file with the City prior to signing this document.

Mailing Address: _____

Business Address: _____

City, Zip: _____

Phone: _____ **Fax:** _____

ATTACHMENT: EXHIBIT "A", Contractors Bid and Bid Price Schedule

END OF CONTRACT

**INSERT EXHIBIT A
TO THE CONTRACT AGREEMENT
(ATTACH CONTRACTOR'S BID AND PLAN SCHEDULE)**

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FTA GRANT CONTRACT PROVISIONS CONSTRUCTION

In case of any conflict or discrepancy, these FTA provisions will prevail over the "State Grant Contract Provisions" and the "City of Placerville General Contract Provisions" contained in the Contract Documents.

1. FEDERAL GRANT CONDITIONS. This Contract is subject to a financial assistance contract between City of Placerville and the United States of America (hereinafter "Federal Government"), acting through the Department of Transportation (hereinafter "U.S. DOT"), and Federal Transit Administration (hereinafter "FTA"). Contractor must at all times comply with all applicable FTA regulations, policies, procedures and directives, including without limitation those listed directly or by reference in the Master Agreement between City of Placerville and FTA, as the may be amended or promulgated from time to time during the term of this Contract. Contractor's failure to so comply constitutes a material breach of this Contract. If such changes cause an increase or decrease in the work to be performed by Contractor or the time for such performance, then the compensation to be paid to Contractor and time of performance will be equitably adjusted.

2. NON-LIABILITY OF FEDERAL GOVERNMENT

- A. Contractor acknowledges and agrees that, notwithstanding any concurrence by the Federal Government in or approval of the solicitation or award of the underlying Contract, absent the express written consent by the Federal Government, the Federal Government is not a party to this Contract and will not be subject to any obligations or liabilities to Contractor, or any other party, (whether or not a party to that Contract) pertaining to any matter resulting from the underlying Contract.
- B. Contractor must include the above clause in each subcontract financed in whole or in part with Federal assistance provided by FTA.

3. FALSE STATEMENTS

- A. Contractor acknowledges that the provisions of the Program Fraud Civil Act of 1986, as amended, 31 U.S.C. Section 3801 *et seq.* and U.S. DOT regulations, "Program Fraud Civil Remedies," 49 C.F.R. Part 31, apply to its actions pertaining to this Contract. Upon execution of this Contract, Contractor certifies or affirms the truthfulness and accuracy of any statement it has made, it makes, it may make, or causes to be made, pertaining to the Contract. In addition to other penalties that may be applicable, Contractor further acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification, the Federal Government reserves the right to impose the penalties of the Program Fraud Civil Remedies Act of 1986 on Contractor to the extent the Federal Government deems appropriate.
- B. Contractor also acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification to the Federal Government under this Contract that is financed in whole or in part with Federal assistance originally awarded by FTA under the authority of 49 U.S.C. Section 5307, the Government reserves the right to impose the penalties of 18 U.S.C. Section 1001 and 49 U.S.C. Section 5307(n)(1) on Contractor, to the extent the Federal Government deems appropriate.
- C. Contractor must include the above clauses in each subcontract under this Contract. It is further agreed that the clause will not be modified, except to identify the subcontractor who will be subject to it provisions.

4. ALLOWABLE COSTS. With respect to noncompetitively-bid Contracts and Change Order(s) to all Contracts, costs incurred by Contractor will be allowable to the extent that they meet all of the requirements set forth below. They must:

- A. Be made in conformance with the Scope of Work and all other provisions of the Contract;
- B. Be necessary in order to accomplish the Contract;
- C. Be reasonable in an amount for the goods or services purchased;
- D. Be actual net cost to Contractor (i.e., the price paid minus any refunds, rebates, or other items of value received by Contractor that have the effect of reducing the cost actually incurred);
- E. Be incurred (and be for work performed) after the effective date of the Contract or Change Order unless specific authorization from the City of Placerville to the contrary is received;
- F. Unless permitted otherwise by Federal statute or regulation, conform with FTA guidelines and regulations (2 C.F.R. Part 1201), Federal cost principles (48 C.F.R. Part 31), and the Office of Management and Budget Super Circular (2 C.F.R. Part 200), as applicable;
- G. Be satisfactorily documented;
- H. Be treated uniformly and consistently under accounting principles and procedures approved and prescribed by City of Placerville; and

- I. Be supported by properly executed payrolls, time records, invoices, contracts, or vouchers describing in detail the nature and propriety of the charges.

Contractor must include these clauses in each subcontract under this Contract.

5. AUDIT AND INSPECTION OF RECORDS

- A. Contractor must provide City of Placerville, the FTA Administrator, the Comptroller General of the United States or any of their authorized representatives' access to any books, documents, papers, and records of Contractor that are directly pertinent to this Contract for the purposes of making audits, examinations, excerpts and transcriptions. Contractor also agrees, pursuant to 49 C.F.R. Section 633.17, to provide the FTA Administrator or his authorized representatives, including any PMO Contractor access to Contractor's records and construction sites pertaining to a major capital project, defined at 49 U.S.C. Section 5302(a)(1), which is receiving federal financial assistance through the programs described at 49 U.S.C. Sections 5307, 5309 or 5311.
- B. Contractor must permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed. Contractor must maintain all books, records, accounts, and reports required under this Contract for a period of not less than three years after the date of termination or expiration of this Contract, except in the event of litigation or settlement of claims arising from the performance of this Contract, in which case Contractor must maintain same until City of Placerville, the FTA Administrator, the Comptroller General, or any of their duly authorized representative, have disposed of all such litigation, appeals, claims, or exceptions related thereto (49 C.F.R. Section 18.39(i)(11)).

Contractor must include the above clauses in each subcontract under this Contract.

6. SMALL, MINORITY, WOMEN AND DISADVANTAGED BUSINESS ENTERPRISE. In accordance with 49 CFR Part 26.13, it is City of Placerville's policy to not discriminate on the basis of race, color, national origin, or sex in the award and performance of any DOT-assisted contract or in the administration of City of Placerville's DBE program or the requirements 49 CFR part 26. City of Placerville must take all necessary and reasonable steps under 49 CFR, part 26 to ensure nondiscrimination in the award and administration of DOT-assisted contracts. City of Placerville's DBE program, as required by 49 CFR part 26 and as approved by DOT, is incorporated by reference in this Contract

The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR, part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:

- (1) Withholding monthly progress payments;
- (2) Assessing sanctions;
- (3) Liquidated damages; and/or
- (4) Disqualifying the contractor from future bidding as non-responsible.

Contractor must take steps to assure that qualified small, minority, women and disadvantaged business enterprises are used when possible and to the fullest extent practicable. Contractor must make information available to potentially-qualified firms about procurement opportunities. Contractor must divide total requirements, when economically feasible, into smaller tasks or quantities and establish delivery schedules to encourage the participation of small, minority, women and disadvantaged business enterprises. Contractor must seek the assistance of the Small Business Administration and the Department of Commerce's Minority Business Development Agency to facilitate the participation of small, minority, women and disadvantaged business enterprises.

7. NONDISCRIMINATION. In accordance with Title VI of the Civil Rights Act, as amended, 42 U.S.C. Section 2000d, Section 303 of the Age Discrimination Act of 1975, as amended, 42 U.S.C. Section 6102, Section 202 of the Americans with Disabilities Act of 1990, 42 U.S.C. Section 12132, and Federal transit law at 49 U.S.C. Section 5332, Contractor may not discriminate against any employee or applicant for employment because of race, color, creed, national origin, sex, age, or disability. In addition, Contractor must comply with applicable Federal implementing regulations and other implementing requirements FTA may issue.

8. EQUAL EMPLOYMENT OPPORTUNITY (Executive Order 11246, 41 C.F.R. Part 60-1). During the performance of this Contract, Contractor must:

- A. In accordance with Title VII of the Civil Rights Act of 1964, as amended, 42 U.S.C. § 2000e, and 49 U.S.C. Section 5332, and Federal transit laws at 49 U.S.C. Section 5332, comply with all applicable equal employment opportunity requirements of US Department of Labor (US DOL) regulations, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor," 41 C.F.R. Parts 60 *et seq.* (which implement Executive Order No. 11246, "Equal Employment Opportunity,"

as amended by Executive Order No. 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," 42 U.S.C. Section 2000e note), and with any applicable Federal statutes, executive orders, regulations, and Federal policies that may in the future affect construction activities undertaken in the course of the Contract.

- B. Take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their race, color, creed, national origin, sex, sexual orientation, gender identity, age or disability. Such action may include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship. In addition, Contractor must comply with any implementing requirements FTA may issue.
- C. In accordance with Section 4 of the Age Discrimination in Employment Act of 1967, as amended, 29 U.S.C. Section 623 and Federal transit law at 49 U.S.C. Section 5332, refrain from discrimination against present and prospective employees for reason of age. In addition, Contractor must comply with any implementing requirements FTA may issue.
- D. In accordance with Section 102 of the Americans with Disabilities Act, as amended, 42 U.S.C. Section 12112, comply with the requirements of U.S. Equal Employment Opportunity Commission "Regulations to Implement the Equal Employment Provisions of the Americans with Disabilities Act," 29 C.F.R. Part 1630, pertaining to employment of persons with disabilities. In addition, comply with any implementing requirements FTA may issue.

Contractor must include these requirements in each subcontract financed in whole or in part with Federal assistance provided by FTA, modified only if necessary to identify the affected parties.

9. AFFIRMATIVE ACTION REQUIREMENTS (CONSTRUCTION OVER \$10,000) (41 C.F.R. Part 60-4)

- A. Contractor and any proposed subcontractor must either state in its bid or provide the information set out below prior to contract award:
 - 1. Whether it has developed and has on file at each establishment affirmative action programs pursuant to 41 C.F.R. Part 60-2;
 - 2. Whether it has participated in any previous contract or subcontract subject to the Equal Opportunity Clause set out in subparagraph 8B above;
 - 3. Whether it has filed with the Joint Reporting Committee or the Director of Equal Employment Opportunity Commission all reports due under the applicable filing requirements.
- B. For all Contracts in excess of \$50,000 and for Contractor's subcontracts in excess of \$50,000, and where Contractor or the subcontractor has 50 or more employees, Contractor and such subcontractors must develop a written affirmative action program (AAP) for each of its establishments (see 41 C.F.R. Part 60-1.40). If a Contractor fails to submit an AAP and supporting documents, including the workforce analysis, within thirty (30) days from the date of the request, the enforcement procedures specified in 41 C.F.R. Part 60-1.26 (b) will be applicable. Contractors may reach agreement with OFCCP on nationwide AAP formats or on the frequency of updating statistics.
- C. The goals and the timetables for minority and female participation, expressed in percentage terms for Contractor's aggregate work force in each trade on all construction work in the covered area, are as follows:

Timetables	Goals for Minority Participation in Each Trade	Goals for Female Participation in Each Trade
	16%	6.9%

These goals are applicable to all Contractor's construction work (whether or not it is Federal or Federally-assisted) performed in the covered area. If Contractor performs construction work in a geographical area located outside of the covered area, it must apply the goals established for such geographical area where the work is actually performed. With regard to this second area, Contractor also is subject to the goals for both its federally involved and non-federally involved construction.

- D. Contractor's compliance with Executive Order 11246 and the regulations in 41 C.F.R. Part 60-4 will be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 C.F.R. Section 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and Contractor must make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor-to-Contractor or from project-to-project for the sole purpose of meeting Contractor's goals will be a violation of the Contract, the Executive Order, and the regulations in 41 C.F.R. Part 60-4. Compliance with the goals will be measured against the total work hours performed.

- E. Contractor must provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the Contract. The notification must list the name, address and telephone number of the subcontractor; Employer Identification Number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.
- F. As used in this Article, the "covered area" is the City of Placerville.
- G. Whenever Contractor, or any subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it must physically include in each subcontract in excess of \$10,000 the following provisions and the notice that contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this Contract resulted.
- H. Definitions:
1. "Covered area" means the geographical areas of the City of Placerville, California;
 2. "Director" means Director, Office of Federal Contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates authority;
 3. "Employer Identification Number" means the Federal Social Security number used on the employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941;
 4. "Minority" includes:
 - a. Black (all persons having origins in any of the black African racial groups not of Hispanic origin);
 - b. Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish culture or origin, regardless of race);
 - c. Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands); and
 - d. American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable Tribal affiliations through membership and participation or community identification).
- I. Contractor will implement the specific affirmative action standards provided in subparagraphs L(1) through (16) below. The goals set forth in the solicitation from which this Contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered construction Contractors performing construction work in geographical areas where they do not have a Federal or Federally-assisted construction contract must apply the minority and female goals established for the geographical area where the work is being performed. Goals are published periodically in the Federal Register in notice form, and such notices may be obtained from any Office of Federal Contract Compliance Programs Office or from Federal procurement contracting officers. Contractor is expected to make substantially uniform progress toward its goal in each craft during the period specified.
- J. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom Contractor has a collective bargaining agreement to refer either minorities or women will excuse Contractor's obligations under these specifications, Executive Order 11246, nor the regulations promulgated pursuant thereto.
- K. In order for the non-working training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees must be employed by Contractor during the training period, and Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.
- L. Contractor must take specific affirmative actions to ensure equal employment opportunity. The evaluation of Contractor's compliance with these specifications will be based upon its effort to achieve maximum results from its actions. Contractor must document these efforts fully, and must implement affirmative action steps at least as extensively as the following:
1. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which Contractor's employees are assigned to work. Contractor, where possible, will assign two or more women to each construction project. Contractor must specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out Contractor's obligation to maintain such a working environment with specific attention to minority or female individuals working at such sites or in such facilities.
 2. Establish and maintain a current list of minority and female recruitment sources, provide written notice to minority and female recruitment sources and to community organizations when Contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.
 3. Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or

community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to Contractor by the union or, if referred, not employed by Contractor, this must be documented in the file with the reason therefor, along with whatever additional actions Contractor may have taken.

4. Provide immediate written notification to the Director when the union or unions with which Contractor has a collective bargaining agreement has not referred to Contractor a minority person or woman sent by Contractor, or when Contractor has other information that the union referral process has impeded Contractor's efforts to meet its obligations.
 5. Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to Contractor's employment needs, especially those programs funded or approved by the Department of Labor. Contractor must provide notice of these programs to the sources compiled under L(2) above.
 6. Disseminate Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.
 7. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with on-site supervisory personnel such as superintendents, general foreman, etc., prior to the initiation of construction work at any job site. A written record must be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.
 8. Disseminate Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing Contractor's EEO policy with other contractors and subcontractors with whom Contractor does or anticipates doing business.
 9. Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, Contractor must send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.
 10. Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of Contractor's work force.
 11. Validate all tests and other selection requirements where there is an obligation to do so under 41 C.F.R. Part 60-3.
 12. Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.
 13. Ensure that seniority practices, job classifications, work assignments and other personnel practices do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and Contractor's obligations under these specifications are being carried out.
 14. Ensure that all facilities and company activities are nonsegregated except that separate or single-user toilet and necessary changing facilities may be provided to assure privacy between sexes.
 15. Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female Contractor associations and other business associations.
 16. Conduct a review, at least annually, of all supervisors' adherence to and performance under Contractor's EEO policies and affirmative action obligations.
- M. Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations set forth in paragraphs L(1) through (16). The efforts of a Contractor association, joint contractor-union, contractor-community, or other similar group of which Contractor is a member and participant, may be asserted as fulfilling one or more of its obligations under L(1) through (16) of these specifications, provided that Contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in Contractor's minority and female workforce participation, makes a good faith effort to meet its individual goals and timetables, and

can provide access to documentation which demonstrates the effectiveness of actions taken on the behalf of Contractor. The obligation to comply, however, is Contractor's and failure of such a group to fulfill an obligation will not be a defense for Contractor's noncompliance.

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

10. ACCESS REQUIREMENTS FOR PERSONS WITH DISABILITIES. Contractor must comply with the following requirements that are applicable to this Contract:

- A. Title I of the Americans with Disabilities Act of 1990 (ADA), as amended, 42 U.S.C. §12101 et seq.;
- B. Section 504 of the Rehabilitation Act of 1973, as amended, 29 U.S.C. Section 794;
- C. Section 16 of the Federal Transit Act, as amended, 49 U.S.C. Section 5301 (d);
- D. U.S. DOT regulations, "Transportation for Individuals with Disabilities," 49 C.F.R. Parts 27, 37 and 38;
- E. U.S. Architectural and Transportation Barriers Compliance "ADA Accessibility Guidelines for Buildings and Facilities" (ADAAG)
- F. U.S. Department of Justice (DOJ) regulations, "Nondiscrimination on the Basis of Disability in State and Local Government Services," 28 C.F.R. Part 35;
- G. U.S. DOJ Regulations, "Nondiscrimination on the Basis of Disability by Public Accommodations and in Commercial Facilities," 28 C.F.R. Part 36;
- H. U.S. General Services Administration regulations, "Accommodations for the Physically Handicapped," 41 C.F.R. Subpart 101-19;
- I. U.S. Equal Employment Opportunity Commission (EEOC), "Regulations to Implement the Equal Employment Provisions of the Americans with Disabilities Act," 29 C.F.R. Part 1630.
- J. U.S. Federal Communications Commission regulations, "Telecommunications Relay Services and Related Customer Premises Equipment for the Hearing and Speech Disabled," 47 C.F.R. Part 64, Subpart F.

11. DAVIS-BACON AND COPELAND ANTI-KICKBACK ACTS. To the extent Contractor is performing construction, repair, or preventive maintenance, Contractor must comply with the following provisions.

A. Minimum Wages

1. All laborers and mechanics employed or working upon the work site (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the Project), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 C.F.R. Part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at the time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor, which is made a part hereof, regardless of any contractual relationship which may be alleged to exist between Contractor and such laborers and mechanics. Contractor must comply with the Copeland "Anti Kickback" Act, as amended, 18 U.S.C. Section 874, which prohibits Contractor from inducing, by any means, any employee in the construction, completions, or repair of public work, to give up any part of the compensation to which the employee is otherwise entitled.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of 29 C.F.R. Section 5.5(a)(1) (iv); also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics must be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided at 29 C.F.R. Section 5.5(a)(4). Laborers or mechanics performing work in more than one classification must be compensated at the rate specified for each classification for the time actually worked therein; provided that the employer's payroll records accurately set forth the time spent in each classification that work is performed. The wage determination (including any additional classification and wage rates conformed under 29 C.F.R. Section 5.5(a)(1)(ii) and the Davis-Bacon Poster (WH-1321) must be posted at all times by Contractor and its subcontractors at the work site in a prominent and accessible place where it can be easily seen by the workers.

The current wage determinations for this Contract are attached hereto. If any such wage determination expires after bid opening but prior to Contract award, this Contract will be equitably adjusted to reflect any resulting increase or decrease in Contractor's cost of performance.

2. The contracting officer must require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and that is to be employed under the Contract will be classified in conformance with the wage determination. The contracting officer will approve an additional classification and wage rate and fringe benefits therefor only when the following criteria have been met:

- (a) Except with respect to helpers as defined in 29 C.F.R. 5.2(n)(4), the work to be performed by the classification requested is not performed by a classification in the wage determination; and
- (b) The classification is utilized in the area by the construction industry; and
- (c) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination; and
- (d) With respect to helpers as defined in 29 C.F.R. 5.2(n)(4), such a classification prevails in the area in which the work is performed.
 - (i) If Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken will be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, D.C. 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.
 - (ii) In the event CONTRACTOR, laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer will refer the questions including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

- (iii) The wage rate (including fringe benefits where appropriate) determined pursuant to 29 C.F.R. Section 5.5(a)(1)(v)(B) or (C), must be paid to all workers performing work in the classification under this Contract from the first day on which work is performed in the classification.
3. Whenever the minimum wage rate prescribed in the Contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, Contractor must either pay the benefit as stated in the wage determination or must pay another bona fide fringe benefit or an hourly cash equivalent thereof.
 4. If Contractor does not make payments to a trustee or other third person, Contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program; provided that the Secretary of Labor has found, upon the written request of Contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require Contractor to set assets aside in a separate account for the meeting of obligations under the plan or program.
 5. The contracting officer will require that any class of laborers or mechanics which is not listed in the wage determination and that is to be employed under the Contract will be classified in conformance with the wage determination. The contracting officer may approve an additional classification and wage rate and fringe benefits therefor only when the following criteria have been met:
 6. The work to be performed by the classification requested is not performed by a classification in the wage determination; and
 7. The classification is utilized in the area by the construction industry; and
 8. The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.
 9. If Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate including the amount designated for fringe benefits where appropriate), a report of the action taken must be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, Washington, D.C. 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.
 10. In the event Contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer will refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination with 30 days of receipt and advise the contracting officer of will notify the contracting officer within the 30-day period that additional time is necessary.
- B. Withholding.
City of Placerville will, upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from Contractor, under this Contract or any other Contract with City of Placerville that is funded by the Federal Government or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements which are held by Contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees and helpers, employed by Contractor or any subcontractor the full amount of wages required by the Contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the work site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the Project), all or part of the wages required by the Contract, City of Placerville may, after written notice to Contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.
- C. Payrolls and Basic Records
1. Payrolls and basic records relating thereto must be maintained by Contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the work site (or under the United States Housing Act of 1937, or under the Housing Act of 1949 in the construction or development of the Project). Such records must contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in Section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found, under 29 C.F.R. Section 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in Section 1(b)(2)(B) of the Davis-Bacon Act, Contractor must maintain records that show

that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records that show the costs anticipated or the actual costs incurred in providing such benefits. Contractor employing apprentices or trainees under approved programs must maintain written evidence of the registration of apprenticeship programs and certifications of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

- (a) Contractor must submit weekly, for each week that any Contract work is performed, a copy of all payrolls to City of Placerville for transmission to FTA. The payrolls submitted must accurately and completely set out all of the information required to be maintained under 29 C.F.R. Part 5Section 5.5(a)(3)(i). This information may be submitted in any form desired. Optional form WH-347 is available for this purpose and may be purchased from the Superintendent of Documents (Federal Stock No. 029-005-00014-1), U.S. Government Printing Office, Washington, D.C. 20402. The Contractor is responsible for the submission of copies of payrolls by all subcontractors.
 - (b) Each payroll submitted must be accompanied by a "Statement of Compliance," signed by Contractor or subcontractor or his/her agent who pays or supervises the payment of the persons employed under the Contract and must certify the following:
 - (i) That the payroll for the payroll period contains the information required to be maintained under 29 C.F.R. Part 5 Section 5.5(a)(3)(i) and that such information is correct and complete;
 - (ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the Contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth at 29 C.F.R. Part 3; and
 - (iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for classification of work performed, as specified in the applicable wage determination incorporated into the Contract.
 - a. The weekly submission of a properly executed certification set forth on the reverse side of optional Form WH-347 will satisfy the requirement for submission of the "Statement of Compliance" required by 29 C.F.R. part 5Section 5.5(a)(3)(ii)(B).
 - b. The falsification of any of the above certifications may subject Contractor or subcontractor to civil or criminal prosecution under 18 U.S.C. Section 1001 and 31 U.S.C. Section 231.
2. Contractor or subcontractor must make the records required under 29 C.F.R. Part 5Section 5.5(a)(3)(i) available for inspection, copying, or transcription by authorized representatives of FTA or the Department of Labor, and must permit those representatives to interview employees during working hours on the job. If Contractor or subcontractor fails to submit the required records or make them available, FTA or the Department of Labor may, after written notice to Contractor subcontractor, or City of Placerville, take such action as may be necessary to cause the suspension of any further payment, advance or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 C.F.R. Part 5Section 5.12.

D. Apprentices and Trainees

1. Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they perform when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a state apprenticeship agency recognized by the Bureau, or if a person is employed in his/her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a state apprenticeship agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification may not be greater than the ratio permitted to Contractor as to the entire workforce under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, may not be paid less than the applicable wage on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program may not be paid less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in Contractor's or subcontractor's registered program will be observed.

Every apprentice must not be paid less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Apprentices must be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator of the Wage and Hour Division of the U.S. Department of Labor determines that a different practice prevails for the applicable apprentice classification, fringes must be paid in accordance with that determination. In the event the Bureau of Apprenticeship and Training, or a state apprenticeship agency recognized by the Bureau, withdraws approval of an apprenticeship program, Contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

2. Trainees. Except as provided in 29 C.F.R. Section 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site may not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must not be paid less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination.

Trainees must be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees must be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination that provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate that is not registered and participating in a training plan approved by the Employment and Training Administration may not be paid less than the applicable wage rate on the wage determination for the classification of work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, Contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

3. Equal Employment Opportunity. The utilization of apprentices, trainees and journeymen under 29 C.F.R. Part 5 must be in conformity with the Equal Employment Opportunity requirements of Executive Order 11246, as amended, and 29 C.F.R. Part 30.
- E. Compliance with Copeland Act Requirements. Contractor must comply with the requirements of 29 C.F.R. Part 3, which are incorporated herein by reference.
- F. Contract Termination: Debarment. A breach of the contract clauses in 29 C.F.R. Section 5.5 may be grounds for termination of the Contract, and for debarment as a contractor and a subcontractor as provided in 29 C.F.R. Section 5.12.
- G. Compliance with Davis-Bacon and Related Act Requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 C.F.R. Parts 1, 3 and 5 are incorporated by reference in this Contract.
- H. Disputes Concerning Labor Standards. Disputes arising out of the labor standards provisions of this Contract will not be subject of the general disputes clause of this Contract. Such disputes will be resolved in accordance with the procedures of the Department of Labor set forth in 29 C.F.R. Parts 5, 6 and 7. Disputes within the meaning of this clause include disputes between Contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.
- I. Certification of Eligibility.
 1. By entering into this Contract, Contractor certifies that neither it (nor he nor she) nor any person or firm that has an interest in Contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of Section 3(a) of the Davis-Bacon Act or 29 C.F.R. Section 5.12(a)(1).
 2. No part of this Contract may be subcontracted to any person or firm ineligible for award of a Government contract by virtue of Section 3(a) of the Davis-Bacon Act or 29 C.F.R. Section 5.12(a)(1).
 3. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. Section 1001.
- J. Subcontracts. Contractor or subcontractor must insert the clauses set forth in subparagraphs A through J of this Section in any subcontracts, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. Contractor will be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in subparagraphs A through J of this Section.

12. CONTRACT WORK HOURS AND SAFETY STANDARDS (CONTRACTS OVER \$100,000)

- A. Overtime Requirements. As set out in 29 C.F.R. Section 5.5(b)(1), no contractor or subcontractor contracting for any part of the contract work that may require or involve the employment of laborers or mechanics may require or permit any such laborer or mechanic in any workweek in which he/she is employed on such work, to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.
- B. Violation; Liability for Unpaid Wages; Liquidated Damages. In the event of any violation of the requirements of 29 C.F.R. Section 5.5(b)(1), Contractor and any subcontractor responsible therefor will be liable for the unpaid wages. In addition, Contractor and such subcontractor will be liable to the United States for liquidated damages. Such liquidated damages will be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of 29 C.F.R. Section 5.5(b)(1) in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard work week of forty hours without payment of the overtime wages required by 29 C.F.R. Section 5.5(b)(1).
- C. Withholding for Unpaid Wages and Liquidated Damages. City of Placerville will, upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from any monies payable on account of work performed by Contractor or subcontractor under any such contract or any other Federal contract with the same Contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same Contractor, such sums as may be determined to be necessary to satisfy any liabilities of such Contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in 29 C.F.R. Section 5.5(b)(2).
- D. Subcontracts. Contractor or subcontractor must insert in any subcontracts the clauses set forth in this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. Contractor will be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in this section.

13. DISCRIMINATORY SPECIFICATIONS. Contractor must comply with the provisions of 49 U.S.C. Section 5323(h)(2) by refraining from including any exclusionary or discriminatory specifications in any solicitation or subcontract issued or executed by Contractor for work to be performed under this Contract.

14. LEAD-BASED PAINT POISONING PREVENTION ACT. Contractor must comply with the Lead-Based Paint Poisoning Prevention Act, 42 U.S.C. Section 4831(b), which prohibits the use of lead-based paint in the construction or rehabilitation of residence structures.

15. SEISMIC SAFETY - BUILDING DESIGN AND CONSTRUCTION. In accordance with 42 U.S.C. Section 7701 et seq., Contractor agrees that any new building or addition to an existing building will be designed and constructed in accordance with the standards for Seismic Safety required in Department of Transportation Seismic Safety Regulations 49 C.F.R. Part 41 Sections 41.117 and 41.120 and will certify to compliance to the extent required by the regulation. Contractor also must ensure that all work performed under this Contract, including work performed by a subcontractor, is in compliance with the standards required by the Seismic Safety Regulations and the certification of compliance issued on the Project.

16. COMPLIANCE WITH ENVIRONMENTAL STANDARDS. (CONTRACTS OVER \$100,000).

- A. Contractor must comply with the provisions of Section 306 of the Clean Air Act, as amended, 42 U.S.C. § 7414, and other applicable requirements of the Clean Air Act, as amended, 42 U.S.C. Sections 7401 through 7671q.; Section 508 of the Clean Water Act, as amended, 33 U.S.C. Sections 1251 through 1377; the Federal Water Pollution Control Act, as amended, 33 U.S.C. § 1251 et seq.; the Resource Conservation and Recovery Act, as amended, 42 U.S.C. Section 6901 et seq.; the Comprehensive Environmental Response, Compensation and Liability Act, as amended, 42 U.S.C. § 9601 et seq.; and all applicable regulations, standards, orders or requirements issued pursuant to these Federal statutes.
- B. Contractor must report each violation to City of Placerville and understands that City of Placerville will, in turn, report each violation as required to assure notification to FTA and the appropriate EPA Regional Office.
- C. Contractor must also include these requirements in each subcontract exceeding \$100,000 financed in whole or in part with Federal assistance provided by FTA.

17. MOTOR VEHICLE AND MOTOR VEHICLE ENGINE POLLUTION. Contractor agrees that any vehicles acquired as a part of this Contract must be designed and equipped to limit air pollution as provided in accordance with the following EPA regulations: "Control of Air Pollution from Motor Vehicles and Motor Vehicle Engines," 40 C.F.R. Part 85; "Control of Air Pollution from New and In-Use Motor Vehicles and New and In-Use Motor Vehicle

Engines; Certification and Test Procedures," 40 C.F.R. Part 86; and "Fuel Economy of Motor Vehicles," 40 C.F.R. Part 600.

18. RECYCLED PRODUCTS (CONTRACTS OVER \$10,000 PER YEAR). Contractor must provide products and services that conserve natural resources, protect the environment, and are energy efficient in accordance with the Resource Conservation and Recovery Act of 1976, as amended, (42 U.S.C. Section 6962), and the EPA guidelines, "Comprehensive Procurement Guidelines for Products Containing Recovered Materials," 40 C.F.R. Part 247 through Part 253. In all subcontracts of \$10,000 or more, Contractor must give competitive preference to products and services that meet these criteria and contain recycled materials identified in the EPA guidelines.

19. ENERGY CONSERVATION. Contractor must comply with mandatory standards and policies relating to energy efficiency contained in the State Energy Conservation Plan issued in compliance with the Energy Policy and Conservation Act, 42 U.S.C. Section 6321 et seq., and 49 C.F.R. Part 18.

20. FLY AMERICA. Contractor must comply with 49 U.S.C. Section 40118 (the "Fly America" Act) in accordance with the General Services Administrations' regulations at 41 C.F.R. Part 301-10.131 through 301-10-143, which provides that recipients and subrecipients of Federal funds and their contractors are required to use U.S. Flag air carriers for U.S. Government-financed international air travel and transportation of their personal effects or property, to the extent such service is available, unless travel by foreign air carrier is a matter of necessity, as defined by the Fly America Act. If a foreign air carrier was used, Contractor must submit an appropriate certification or memorandum adequately explaining why service by a U.S. flag air carrier was not available or why it was necessary to use a foreign air carrier and must, in any event, provide a certificate of compliance with the Fly America requirements.

21. SIGNS. Contractor must erect at the site of construction, and maintain during construction, signs identifying the name of the project and indicating that the Federal Transit Administration is participating in the development of the project.

22. CARGO PREFERENCE - USE OF UNITED STATES FLAG VESSELS. As required under 46 U.S.C. Section 55303 and 46 C.F.R. Part 381, for equipment, materials or commodities that may involve transport by ocean vessel, Contractor must:

- A. Use privately-owned United States flag commercial vessels to ship at least 50% of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved whenever shipping any equipment, materials, or commodities pursuant to this Contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels.
- B. Furnish, within 20 working days following the date of loading for shipments originating within the United States, or within 30 working days following the date of loading for shipment originating outside the United States, a legible copy of a rated, "on-board" commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph A above to City of Placerville (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, 400 Seventh Street, S.W., Washington, D.C. 20590, marked with appropriate identification of the Contract.
- C. Include these requirements in all subcontracts issued pursuant to this Contract when the subcontract may involve the transport of equipment, material, or commodities by ocean vessel.

23. DEBARRED BIDDERS (CONTRACTS OVER \$25,000). Contractor, including any of its officers or holders of a controlling interest, and subcontractors are obligated to inform City of Placerville whether or not they are or have been debarred, suspended, or otherwise declared ineligible for award of federally funded contracts and pursuant to Executive Order Nos. 12549 and 12689, "Debarment and Suspension," 31 U.S.C. Section 6106 note and U.S. DOT regulations, 49 C.F.R. Part 29. Should Contractor or a subcontractor be included on the list or determined ineligible during the performance of this Contract, Contractor must so inform City of Placerville.

24. LOBBYING RESTRICTIONS

- A. **Contracts under \$100,000.** Contractor may not use any funds under this Contract to support activities designed to influence Congress or any State Legislature on legislation or appropriation as prohibited by U.S. DOT regulations "New Restrictions on Lobbying" at 49 C.F.R. Part 20.100, as modified by 31 U.S.C. Section 1352. Contractor must ensure that each subcontractor performing work pursuant to the terms of this Contract complies with the lobbying restrictions contained in 49 C.F.R. Part 20.100. Nothing in this Article will be construed to prohibit a Contractor or subcontractor from lobbying Congress or any State legislature using Contractor's own funds rather than the revenues received under this Contract.
- B. **Contracts over \$100,000.** Contractor may not use any funds under this Contract to support activities designed to influence Congress or employee of any federal agency, a Member of Congress, an officer or

employee of Congress, an employee of a Member of Congress or a State Legislature in connection with any appropriation or legislation and must comply with the provisions of the U.S. DOT's regulations, "New Restrictions on Lobbying" at 49 C.F.R. Part 20, as modified by 31 U.S.C. Section 1352. Contractor must execute the attached "Certification Regarding Lobbying" and submit a copy to City of Placerville upon execution of this Contract. Contractor must ensure that each subcontractor performing work pursuant to the terms of this Contract complies with the lobbying restrictions contained in the provisions cited herein above and ensure that the language contained in the "Certification Regarding Lobbying" is included in all contracts with all of its subcontractor performing work under this Contract in amount of \$100,000 or greater.

Nothing in this Article will be construed to prohibit Contractor or its subcontractors from lobbying Congress, a federal agency or a State Legislature, so long as the Contractor or its subcontractors do not use revenues received under this Contract to do so. However, if Contractor or its subcontractors makes any contact with a federal agency, Congress, or a State Legislature with the intent to influence a decision on a federal or state action affecting City of Placerville, employing its own non-federal funds, Contractor must complete the attached Disclosure of Lobbying Activities form and submit it to City of Placerville. For the duration of this Contract, Contractor must submit the OMB Form LLL every calendar quarter in which Contractor, or its subcontractors subject to this provision, engage in lobbying activities as described in 49 C.F.R Part 20. All Disclosure forms must be forwarded from tier to tier up to City of Placerville, which will submit the forms to the FTA.

25. BUY AMERICA ACT (CONTRACTS OVER \$150,000). Contractor must comply with 49 U.S.C. Section 5323(j) and 49 C.F.R. Part 661, which provide that Federal funds may not be obligated unless steel, iron, and manufactured products used in FTA-funded projects are produced in the United States, unless FTA has granted a waiver or the product is subject to a general waiver. General waivers are listed in 49 C.F.R. Section 661.7. Separate requirements for rolling stock are set out at Section 5323(j)(2)(c) and 49 C.F.R. Section 661.11. Rolling stock must be assembled in the United States and have a 60% domestic content. Contractor must submit the appropriate Buy America certification to City of Placerville as set out in the bid documents with all bids or offers on FTA-funded contracts, except those subject to a general waiver. Bids or offers that are not accompanied by a completed Buy America Certification must be rejected as nonresponsive. This requirement does not apply to lower tier subcontractors.

A bidder or offeror who has submitted an incomplete Buy America certificate or an incorrect certificate of noncompliance through inadvertent or clerical error (but not including failure to sign the certificate, submission of certificates of both compliance and noncompliance, or failure to submit a certification), may submit to the FTA Chief Counsel within 10 days of bid opening a written explanation of the circumstances surrounding the submission of the incomplete or incorrect certification in accordance with 28 U.S.C. 1746, sworn under penalty of perjury, stating that the submission resulted from inadvertent or clerical error. The bidder or offeror will also submit evidence of intent, such as information about the origin of the product, invoices, or other working documents. The bidder or offeror will simultaneously send a copy of this information to the FTA grantee.

26. INTELLIGENT TRANSPORTATION SYSTEMS. If this Contract is for the design, procurement or installation of an Intelligent Transportation System (ITS) project, defined as involving the acquisition of technologies or systems of technologies that provide or significantly contribute to the provision of one or more ITS user services as defined in the National ITS Architecture and Standards, pursuant to SAFETEA-LU Section 5307(c), 23 U.S.C. Section 512 note, and FTA's published policies, Contractor must comply with FTA's National ITS Architecture Policy on Transit Projects (66 Fed. Reg. 1455, et seq.; January 8, 2001), in performing this Contract and any other applicable FTA circular or guidance materials.

27. ELECTRONIC AND INFORMATION TECHNOLOGY. If this Contract is for the design, procurement or installation of electronic and information technology, Contractor must comply with the applicable accessibility standards set out in Section 508 of the Rehabilitation Act of 1973, as amended, 29 U.S.C. Section 794d and U.S. ATBCB regulations, "Electronic and Information Technology Accessibility Standards" set out at 36 C.F.R. Part 1194.

28. PROTECTION OF SENSITIVE SECURITY INFORMATION. If Contractor is provided with access to City of Placerville sensitive security information, Contractor and all subcontractors at each tier must protect the Sensitive Security Information in accordance with 49 U.S.C. Section 40119(b) and implementing DOT regulations "Protection of Sensitive Security Information," 49 CFR Part 15, and with 49 U.S.C. Section 114(s) implementing Department of Homeland Security regulations "Protection of Sensitive Security Information," 49 CFR Part 1520 and any implementing regulations, requirements or guidelines that the Federal Government may issue.

29. SEAT BELTS. Pursuant to Executive Order No. 13043, "Increasing Seat Belt Use in the United States," 23 U.S.C. Section 402 note, Contractor is encouraged to adopt on-the-job seat belt use policies and programs for its employees that operate company-owned, rented, or personally-operated vehicles.

30. METRIC MEASUREMENTS. Where feasible, and to the extent practicable, City of Placerville will accept property and services with dimensions expressed in metric measures in compliance with the Metric Conversion act, as amended by the Omnibus Trade and Competitiveness Act, 15 U.S.C. Sections 205a et seq.; Executive Order No. 12770, "Metric Usage in Federal Government Programs," 07-25-1991, 15 U.S.C. Section 205a note; and DOT or FTA regulations and directives. If, for any given product or service provided under the Contract, no measurement system is specified and Contractor desires to provide the product or service with metric measures, Contractor must confer with City of Placerville to determine whether it is feasible and practicable to do so.

31. PROHIBITION ON PROVIDING OR USING CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT. Consistent with Section 889 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019, Pub. L. 115-232 (Aug. 13, 2018), Contractor must not: (a) provide "covered telecommunications equipment or services" (as that term is defined in Section 889 of the Act) as part of its performance under this Contract, if such equipment or services will be used as a substantial or essential component of any system or as critical technology as part of any system; or (b) use such covered telecommunication equipment or services as a substantial or essential component of any system or as critical technology as part of any system, regardless of whether that use is in connection with performance of work under this Contract, subject only to the exception that covered telecommunications equipment or services may be provided or used if the equipment or services cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

32. DOMESTIC PREFERENCE. Consistent with 2 C.F.R. Section 200.322, as appropriate and to the extent consistent with law, Contractor should, to the greatest extent practicable, provide a preference for the purchase, acquisition or use of goods, products or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). For purposes of this Article: (1) "Produced in the United States" means, for iron and steel products, that all manufacturing process, from the initial melting stage through the application of coatings, occurred in the United States; and (2) "Manufactured products" means items and constructions materials composed in whole or in part of non-ferrous metals such as aluminum, plastics and polymer-based products such as polyvinyl chloride pipe, aggregates such as concrete; glass, including optical fiber; and lumber.

33. SUBCONTRACTOR FLOW DOWN. Contractor must include and must require all of its contractors and subcontractors at any tier to include all of the clauses in this Attachment 5d in any contract or subcontract of any tier related to the performance of this Contract.

**CITY OF PLACERVILLE
COUNTY OF EL DORADO, STATE OF CALIFORNIA
ENGINEERING DEPARTMENT**

**PAYMENT BOND
(Section 3247, Civil Code)**

Bond No. _____

WHEREAS, the City of Placerville, Engineering Department, hereafter referred to as "Obligee", has awarded to Contractor

_____ hereafter referred to as "Principal" a contract for the work described as follows:

**PLACERVILLE STATION II PARK-N-BUS
PROJECT NO. 40708**

AND, WHEREAS, said Principal is required to furnish a bond in connection with said contract, guaranteeing the faithful performance thereof: NOW, THEREFORE, we the undersigned Principal and Surety are held and firmly bound unto the Obligee, in the sum of

_____ Dollars, (\$ _____) to be paid to the Obligee, for which payment we bind ourselves, jointly and severally.

THE CONDITION OF THIS OBLIGATION IS SUCH,

That is said Principal or its subcontractors shall pay any of the persons named in Civil Code Section 3181, or amounts required to be deducted, Unemployment Insurance Code with respect to work or labor performed by such claimant, or any amounts required to be deducted, withheld, and paid over to the Franchise Tax Board from the wages of employees or the Principal and his subcontractors pursuant to Section 18806 of the Revenue and Taxation Code, with respect to such work an labor, that the surety herein will pay for the same in an amount not exceeding the sum specified in this bond, otherwise the above obligation shall be void. In case suit is brought upon this bond, the surety will pay a reasonable attorney's fee to be fixed by the court.

This bond shall inure to the benefit of any of the persons named in Civil Code Section 3181 as to give right of action to such persons or their assigns in any suit brought upon this bond.

Dated: _____, 20____.

Correspondence or Claims relating to this bond should be sent to the Surety at the following address:

	PRINCIPAL
	SURETY
	ATTORNEY-IN-FACT

NOTE: Signatures of those executing for the surety must be properly acknowledged and a Power of Attorney attached.

CERTIFICATE OF ACKNOWLEDGEMENT

State of California, County of _____.

On this _____ day of _____ in the year of _____, before me _____, personally appeared _____, personally known to be (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this instrument as the attorney in fact of _____, and acknowledged to me that he subscribed the name of the said company thereto as surety, and his own name as attorney-of-fact.

(SEAL)

Notary Public

CITY OF PLACERVILLE
COUNTY OF EL DORADO, STATE OF CALIFORNIA
ENGINEERING DEPARTMENT

PERFORMANCE BOND
(Section 3247, Civil Code)

Bond No. _____

Signed, sealed and dated: _____

The condition of the above obligation is that if said Principal as Contractor in the Contract hereto annexed shall faithfully perform each and all of the conditions of said Contract to be performed by him, and shall furnish all tools, equipment, apparatus, facilities, transportation, labor and material, other than material, if any, agreed to be furnished by the Obligee, necessary to perform and complete, and to perform and complete in a good and workmanlike manner, the work of **PLACERVILLE STATION II PARK-N-BUS, Project No. 40708** in strict conformity with the terms and conditions set forth in the Contract hereto annexed, then this obligation shall be null and void,; otherwise bond shall remain in full force and effect and the said Surety will complete the Contract work under its own supervision by Contract or otherwise, and pay all costs thereof for the balance due under terms of the Contract, and the said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed thereunder shall in any wise affect its obligation on this bond, and it does hereby waive notice of any such change, extension or time, alteration or addition to the terms of the Contract or to the work.

Dated: _____, 20____.

Correspondence or Claims relating to this bond should be sent to the Surety at the following address:

PRINCIPAL

SURETY

ATTORNEY-IN-FACT

NOTE: Signatures of those executing for the surety must be properly acknowledged and a Power of Attorney attached.

CERTIFICATE OF ACKNOWLEDGEMENT

State of California, County of _____.

On this _____ day of _____ in the year of _____, before me _____,
personally

appeared _____, personally known to be (or proved to me
on the basis of satisfactory evidence) to be the person whose name is subscribed to this instrument as
the attorney in fact of _____, and acknowledged
to me that he subscribed the name of the said company thereto as surety, and his own name as attorney-
of-fact.

(SEAL)

Notary Public

WAIVER AND RELEASE UPON FINAL PAYMENT

The undersigned has been paid in full by the City, less retention, for all labor, services, equipment, and material furnished to the City on the PLACERVILLE STATION II PARK-N-BUS located at 2970 Mosquito Road and does hereby waive and release the City, its officers, agents, and employees from all claims and liability to the Contractor arising out of, or in any way connected with, the Contract, except for the disputed contract claims specified below:

Notice of Disputed Claim and Amount

\$ _____

Date: _____

Name, Title

Name of Contractor

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UNCONDITIONAL WAIVER AND RELEASE ON PROGRESS PAYMENT

NOTICE TO CLAIMANT: THIS DOCUMENT WAIVES AND RELEASES LIEN, STOP PAYMENT NOTICE, AND PAYMENT BOND RIGHTS UNCONDITIONALLY AND STATES THAT YOU HAVE BEEN PAID FOR GIVING UP THOSE RIGHTS. THIS DOCUMENT IS ENFORCEABLE AGAINST YOU IF YOU SIGN IT, EVEN IF YOU HAVE NOT BEEN PAID. IF YOU HAVE NOT BEEN PAID, USE A CONDITIONAL WAIVER AND RELEASE FORM.

Identifying Information

Name of Claimant:

Name of Customer:

Job Location:

Owner:

Through Date:

Unconditional Waiver and Release

This document waives and releases lien, stop payment notice, and payment bond rights the claimant has for labor and service provided, and equipment and material delivered, to the customer on this job through the Through Date of this document. Rights based upon labor or service provided, or equipment or material delivered, pursuant to a written change order that has been fully executed by the parties prior to the date that this document is signed by the claimant, are waived and released by this document, unless listed as an Exception below. The claimant has received the following progress payment:

\$ _____

Exceptions

This document does not affect any of the following:

- (1) Retentions.
 - (2) Extras for which the claimant has not received payment.
 - (3) Contract rights, including (A) a right based on rescission, abandonment, or breach of contract, and (B) the right to recover compensation for work not compensated by the payment.
-

Signature

Claimant's Signature:

Claimant's Title:

Date of Signature:

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UNCONDITIONAL WAIVER AND RELEASE ON FINAL PAYMENT

NOTICE TO CLAIMANT: THIS DOCUMENT WAIVES AND RELEASES LIEN, STOP PAYMENT NOTICE, AND PAYMENT BOND RIGHTS UNCONDITIONALLY AND STATES THAT YOU HAVE BEEN PAID FOR GIVING UP THOSE RIGHTS. THIS DOCUMENT IS ENFORCEABLE AGAINST YOU IF YOU SIGN IT, EVEN IF YOU HAVE NOT BEEN PAID. IF YOU HAVE NOT BEEN PAID, USE A CONDITIONAL WAIVER AND RELEASE FORM.

Identifying Information

Name of Claimant:

Name of Customer:

Job Location:

Owner:

Unconditional Waiver and Release

This document waives and releases lien, stop payment notice, and payment bond rights the claimant has for all labor and service provided, and equipment and material delivered, to the customer on this job. Rights based upon labor or service provided, or equipment or material delivered, pursuant to a written change order that has been fully executed by the parties prior to the date that this document is signed by the claimant, are waived and released by this document, unless listed as an Exception below. The claimant has been paid in full.

Exceptions

This document does not affect any of the following:
Disputed claims for extras in the amount of: \$

Signature

Claimant's Signature:

Claimant's Title:

Date of Signature:

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STATE OF CALIFORNIA

**CITY OF PLACERVILLE
ENGINEERING DEPARTMENT**

SPECIAL PROVISIONS

BOOK 2 OF 2

FOR CONSTRUCTION OF

PLACERVILLE STATION PHASE II PARK-N-BUS

CITY OF PLACERVILLE

CIP #40708

AUGUST 2022

For use in Connection with California Department of Transportation Standard Specifications Dated **2018**, Revised Standard Specifications current as of April 17th, 2020, Standard Plans Dated **2018**, Revised Standard Plans current as of April 17th, 2020; City of Placerville Standard Plans; State of California Labor Surcharge and Equipment Rental Rates; and Director of Industrial Relations General Prevailing Wage Rates.

Bids Open: September 22, 2022

**CITY OF PLACERVILLE, CALIFORNIA
ENGINEERING DEPARTMENT**

**PLACERVILLE STATION II PARK-N-BUS
CIP #40708**

AUGUST 29, 2022

The Special Provisions contained herein have been prepared by or under the direction of the following Registered Persons.

ROADWAY

Daniel Kehrer

DANIEL J. KEHRER, RCE 82663
REGISTERED CIVIL ENGINEER



LANDSCAPE

Scott A. Robinson

SCOTT A. ROBINSON, LLA 4271
LICENSED LANDSCAPE ARCHITECT



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**CITY OF PLACERVILLE, CALIFORNIA
ENGINEERING DEPARTMENT**

**PLACERVILLE STATION II PARK-N-BUS
CIP #40708**

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ORGANIZATION

Special provisions are under headings that correspond with the main-section headings of the *Standard Specifications*. A main-section heading is a heading shown in the table of contents of the *Standard Specifications*.

Each special provision begins with a revision clause that describes or introduces a revision to the *Standard Specifications* as revised by any revised standard specification.

Any paragraph added or deleted by a revision clause does not change the paragraph numbering of the *Standard Specifications* for any other reference to a paragraph of the *Standard Specifications*.

STANDARD PLANS LIST

The standard plan sheets applicable to this Contract include those listed below. The applicable revised standard plans (RSPs) listed below are included in the project plans.

ABBREVIATIONS, LINES, SYMBOLS, AND LEGEND

A3A	Abbreviations (Sheet 1 of 3)
A3B	Abbreviations (Sheet 2 of 3)
A3C	Abbreviations (Sheet 3 of 3)
A10A	Legend - Lines and Symbols (Sheet 1 of 5)
A10B	Legend - Lines and Symbols (Sheet 2 of 5)
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A10D	Legend - Lines and Symbols (Sheet 4 of 5)
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PAVEMENT MARKERS, TRAFFIC LINES, AND PAVEMENT MARKINGS

A20A	Pavement Markers and Traffic Lines - Typical Details
RSP A20B	Pavement Markers and Traffic Lines - Typical Details
RSP A20C	Pavement Markers and Traffic Lines - Typical Details
RSP A20D	Pavement Markers and Traffic Lines - Typical Details
RSP A20E	Pavement Markers and Traffic Lines - Typical Detail for Contrast Striping
A24A	Pavement Markings - Arrows
A24B	Pavement Markings - Arrows and Symbols
A24C	Pavement Markings - Symbols and Numerals
A24D	Pavement Markings - Words
RSP A24E	Pavement Markings - Words
A24F	Pavement Markings - Crosswalks
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EXCAVATION AND BACKFILL

A62A	Excavation and Backfill - Miscellaneous Details
A62D	Excavation and Backfill - Concrete Pipe Culverts
A62DA	Excavation and Backfill - Concrete Pipe Culverts - Indirect Design Method
A62F	Excavation and Backfill - Metal and Plastic Culverts

SURVEY MONUMENTS

A74	Survey Monuments CURBS, DRIVEWAYS, DIKES, CURB RAMPS, AND ACCESSIBLE PARKING
A87A	Curbs and Driveways
A87B	Hot Mix Asphalt Dikes
A88A	Curb Ramp Details
A88B	Curb Ramp and Island Passageway Details
A90A	Accessible Parking Off-Street

PAVEMENTS

P75	Pavement Edge Treatments - Overlays DRAINAGE INLETS, PIPE INLETS AND GRATES
D72B	CIP Drainage Inlets - Types G1, G2, G3, G4, G5 and G6
D72C	CIP Drainage Inlets - Types G1, G2, G3, G4, G5 and G6
D72F	CIP Drainage Inlet Notes
D72G	CIP Drainage Inlet Tables
D73B	Precast Drainage Inlets - Types G1, G2, G3, G4, G5 and G6
D73C	Precast Drainage Inlets - Types G1, G2, G3, G4, G5 and G6
D73F	Precast Drainage Inlet Notes
D73G	Precast Drainage Inlet Tables
D74	Drainage Inlet Details
D77A	Grate Details No. 1
D77B	Grate Details No. 2

GUTTER AND INLET DEPRESSIONS

D78A	Gutter Depressions CONSTRUCTION LOADS ON CULVERTS AND STRUT DETAILS
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D88	Construction Loads on Culverts
-----	--------------------------------

FLARED END SECTIONS

D94A	Metal and Plastic Flared End Sections
D94B	Concrete Flared End Sections

PIPE COUPLING AND JOINT DETAILS

D97H	Reinforced Concrete Pipe or Non-Reinforced Concrete Pipe - Standard and Positive Joints
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TEMPORARY WATER POLLUTION CONTROL

T56	Temporary Water Pollution Control Details (Temporary Fiber Roll)
T57	Temporary Water Pollution Control Details (Temporary Check Dam)
T58	Temporary Water Pollution Control Details (Temporary Construction Entrance)
T61	Temporary Water Pollution Control Details (Temporary Drainage Inlet Protection)
T62	Temporary Water Pollution Control Details (Temporary Drainage Inlet Protection)
T63	Temporary Water Pollution Control Details (Temporary Drainage Inlet Protection)

T64 Temporary Water Pollution Control Details (Temporary Drainage Inlet Protection)

ROADSIDE SIGNS

RS1 Roadside Signs - Typical Installation Details No. 1
RS2 Roadside Signs - Wood Post - Typical Installation Details No. 2
RS4 Roadside Signs - Typical Installation Details No. 4

CANCELED STANDARD PLANS LIST					
The standard plan sheets listed below are canceled and not applicable to this contract.					
Plan No.	Date Canceled	Plan No.	Date Canceled	Plan No.	Date Canceled
P31B	10-18-19				
P32A	10-18-19				
P32B	10-18-19				
C7A	10-19-18				
C7B	10-19-18				
C7C	10-19-18				
D89	10-18-19				
B11-55	04-19-19				
B11-56	10-19-18				
B11-57	10-19-18				
ES-2C	10-19-18				

Add to section 1-1.07B:

A term not defined in the Contract Documents or Standard Specifications has the meaning defined in Means Illustrated Construction Dictionary, Condensed Version, Second Edition.

Approval of the Contract: Execution of the Contract by the City Council of the City of Placerville.

Caltrans/Department of Transportation: Department of Transportation as defined in the St & Hwy Code § 20 and authorized in St & Hwy Cod § 90; its authorized representatives.

City: The City of Placerville, a municipal corporation of the State of California.

City Council: City Council of the City of Placerville, State of California.

Contract: Written and executed Contract as approved by the City Council between the City of Placerville and the Contractor.

Contract Documents: Plans, Notice to Bidders, Special Provisions, and Proposal and Agreement

Contractor: Person or business or its legal representative approved by the City Council and entering into a Contract with the City of Placerville for performance of the work.

Department: The City of Placerville except that any reference to the Department's forms, websites, manuals, guides, and test methods shall be defined as forms, websites, manuals, guides, and test methods of Caltrans.

Design Engineer: GHD, Inc.

Director: The City Engineer for the City of Placerville.

EID: El Dorado Irrigation District.

Engineer: The Resident Engineer of the City acting either directly or through properly authorized agents; such agents acting within the scope of the particular duties delegated to them.

Inspector or City Inspector: An authorized agent acting on behalf of the City Engineer and within the scope of the particular duties delegated to him/her.

Project Plans: The Project Plans are specific details and dimensions peculiar to the work and are supplemented by the Standard Plans insofar as they may apply.

Special Provisions: The Special Provisions are specific clauses required by the City setting forth conditions of requirements peculiar to the work and supplementary to the Standard Specifications of the State of California.

Standard Plans: 2018 Standard Plans of the State of California, Department of Transportation and the current Revised Standard Plans as of April 17th, 2020.

Standard Specifications: 2018 Standard Specifications of the State of California, Department of Transportation (Caltrans) and the current Revised Standard Specifications as of April 17th, 2020.

State: The State of California, including its agencies, departments or divisions whose conduct or action is related to the work or when referenced in the Standard Specifications "State" shall mean the City of Placerville, including its authorized officers, agents, consultants, and volunteers.

Project: The work as presented in these documents and the construction drawings.

Proposal: The un-approved offer as submitted to the City for the completion of the Project.

USDOT: The United States of America Department of Transportation.

The Contractor, subcontractors and any lower-tier contractors shall file a disclosure form at the end of each calendar quarter in which there occurs any event that requires disclosure or that materially affects the accuracy of the information contained in any disclosure form previously filed by the Contractor, subcontractors and any lower-tier contractors. An event that materially affects the accuracy of the information reported includes:

- (1) A cumulative increase of \$25,000 or more in the amount paid or expected to be paid for influencing or attempting to influence a covered Federal action; or
- (2) A change in the person(s) or individual(s) influencing or attempting to influence a covered Federal action; or
- (3) A change in the officer(s), employee(s), or Member(s) contacted to influence or attempt to influence a covered Federal Action.

Replace the paragraphs in section 2-1.06A with:

Standard Specifications and Standard Plans may be viewed at the Caltrans Office Engineer Web Site and may be purchased at the Publication Distribution Unit.

The Notice to Bidders, Special Provisions, Proposal and Agreement, and any Project Plans may be viewed and obtained at the locations stated in the Notice to Bidders.

Add between the 1st and 2nd paragraphs of section 2-1.06B:

The Department makes the following supplemental project information available on Sheet 17 of the project plans:

Supplemental Project Information

Means	Description
Included in the <i>Information Handout</i>	1. Maximum Applied Water Allowance Calculations for New and Rehabilitated Landscapes

Replace Section 2-1.12B (2) with:

2-1.12B(2) Disadvantaged Business Enterprises Commitment submittal

Submit DBE information on the Local Agency Bidder - DBE - Commitment form (DBE commitment form) included in the Proposal and Agreement Section. If the form is not submitted with the bid, remove the form from the Proposal and Agreement Section before submitting your bid.

If the DBE commitment form is not submitted with the bid, the apparent low bidder, the 2nd low bidder, and the 3rd low bidder must complete and submit the form to the City of Placerville. The DBE commitment forms must be received by Cory Schiestel, City of Placerville Engineering Department or email cschiestel@cityofplacerville.org no later than 4:00 p.m. on the 4th business day after bid opening.

Other bidders are not required to submit the DBE commitment form unless the Department requests it. If the Department requests a DBE commitment form from you, submit the completed form within 4 business days of the request.

Submit written confirmation from each DBE shown on the form stating that it will be participating in the Contract. Include confirmation with the DBE commitment form. A copy of a DBE's quote will serve as written confirmation that the DBE will be participating in the Contract.

If you do not submit the DBE commitment form by the specified time, your bid is nonresponsive.

Replace the second and third paragraph of Section 2-1.12B(3) with:

If you have not met the DBE goal, complete and submit the Good Faith Efforts Documentation form with the bid showing that you made adequate good faith efforts to meet the goal. Only good faith efforts directed toward obtaining participation by DBEs are considered. If good faith efforts documentation is

During the progress of the work under this contract, work under the following contracts may be in progress at or near the job site of this Contract:

Contract No.	County-Route-Post Mile	Location	Type of Work
Hocking Street Sewer Replacement CIP 42245	N/A	Mosquito Road @ Hocking Street	Sewer Replacement by Pipe Bursting

Replace section 5-1.20D with:

5-1.20D Permits

The Contractor shall be responsible for the application process and fees associated with obtaining all permits required for the commencement and execution of the project, including but not limited to, storm water pollution prevention, discharge of construction water into the local drainage system, excavation and trench safety. Any work performed within the City right-of-way will require encroachment permit from the City. The Contractor shall obtain a no-fee encroachment permit from the City. Any work performed within Caltrans right-of-way will require an encroachment permit. The City has already obtained an Encroachment Permit from Caltrans for this project. A copy of the Caltrans Encroachment Permit is included in the Appendices. As stated in the permit, the Contractor will be required to obtain a double permit prior to starting work.

Replace the paragraph in section 5-1.20E with:

The Contractor must obtain a Temporary Water Use permit for construction water. This permit can be obtained from Placerville City Hall, First Floor, 3101 Center Street, Placerville, California 95667 Phone: (530) 642-5223. Construction meters require a one-thousand-twenty-five-dollar (\$1,025) deposit. The monthly rental fee and usage fee will be waived provided the contractor, at the City’s opinion, utilizes the construction water beneficially and for the sole purpose of the project.

The payment for the cost for this permit and water usage shall be included with the various items of the proposal and no separate payment will be made.

Replace Section 5-1.26 with:

5-1.26(A) CONSTRUCTION SURVEYS

The contractor must set construction stakes and markers to establish the lines and grades required for the completion of the work on the plans and as specified in the Standard Specifications and these Special Provisions and as necessary for the Engineer to check lines, grades, alignment and elevations.

All procedures, methods, and typical stake markings shall be in accordance with Chapter 12, Construction Surveys, of the Caltrans “Survey Manual.” Copies of the “Survey Manual” may be purchased from Caltrans Publications Unit, 1900 Royal Oaks Drive, Sacramento, and California 95815, (916) 445-3520 or downloaded at <https://dot.ca.gov/programs/right-of-way/surveys-manual-and-interim-guidelines>.

Staking must be performed under the direction of a licensed surveyor or registered civil engineer with the authority to perform land surveying.

5-1.26(B) GRADE QUALITY CONTROL

Use a GNSS rover, robotic total station equipment, or a level to check the grades at the frequencies shown in the following table:

Grade Checking Requirements

Type of work	Area or distance represented by the grade checking	Frequency (number of grade points)
Earthwork for cut and fill slopes ≤15 feet	200 feet	2
Earthwork for cut and fill slopes >15 feet	1,000 sq yd	1
Rough grading	1,000 sq yd	1
Trenching	100 feet	6
Subgrade	1 mi	30
Subbase layer	1 mi	50
Base layer	1 mi	100
Curb and gutter	100 feet	6
Concrete barrier	100 feet	5
Finishing roadway	1,000 sq yd	2

Increase the frequency of grade checking of a roadway:

1. Wherever its curve radius is 500 feet or less
2. In areas of a superelevation transition
3. At intersections

Notify the Engineer when an area is ready for line and grade inspection. Submit the grade checking results on a Grade Checking Report form as an informational submittal.

5-1.26C Payment

Construction surveys (contractor provided construction staking) shall be paid for under the Construction Staking bid item. Progress payments will be made based upon the percentage of work items requiring staking staked by that point. No additional compensation will be made for resetting stakes.

Replace the paragraphs in section 5-1.27E with:

Maintain separate records for change order work costs.

Submit change order bills to the Engineer.

Add to the end of section 5-1.31:

At any time, if requested by the City, the Contractor shall provide a street sweeper.

At the end of each working week, remove all equipment and materials from daily staging area(s) and transport them to an approved staging area.

All staging areas shall be cleaned to the satisfaction of the City and Engineer.

Add to the end of section 5-1.32:

Personal vehicles of Contractor's employees must not be parked on the traveled way or shoulders, including sections closed to traffic.

Replace the paragraphs in section 5-1.46 with:

When the work is complete, request the Engineer's final inspection. Contractor will be notified, in writing, of any defects or deficiencies to be remedied. Contractor to correct all defects and deficiencies within 5 working days of notification and notify the Engineer that all defects and deficiencies have been addressed. When notified that the work is complete, the Engineer will again inspect the work to ensure compliance with the Contract Documents.

If the Engineer determines that the work is complete, the Engineer recommends to the City Council that the Contract be accepted and the Notice of Completion be recorded to accept the Contract. Immediately after Contract acceptance, Contractor is relieved from:

The Contractor must maintain bicycle and pedestrian access on Mosquito Road, Clay Street, Locust Street, and the El Dorado Trail at all times. Bicycle and pedestrian circulation will be maintained during construction and any temporary facilities required to accommodate bicyclists and pedestrians will be equal to or better than the existing conditions. Repair and replace all striping affected by the day's work. Crosswalk and lane striping must be visible at all times.

Temporary pedestrian access routes per section 12-4 are only required where existing pedestrian facilities that meet those requirements are being affected by construction.

Replace the paragraph in section 12-1.04 with:

There is no separate bid item for flagging, so that work shall be included within the Traffic Control System bid item and no additional compensation will be allowed therefore. The Contractor shall be responsible for the entire cost of flagging and is responsible for including that cost in the Traffic Control System bid item.

The development of all traffic control plans, and bicycle and pedestrian handling plans shall be paid for under the Traffic Control System bid item and no additional compensation will be allowed therefore.

Add to section 12-3.01C:

If pedestrian and/or vehicular signage is required during non-working hours, signage shall be placed to the satisfaction of the City and Engineer.

Replace the paragraph in section 12-3.11B(5) with:

Install one construction project funding sign at the location determined by the Engineer before starting major work activities visible to Mosquito Road.

The construction project funding sign is to be a 4.5-ft x 3.0-ft sign and must comply with the details shown in Appendix C of these specifications. The left logo shall be City of Placerville, Center logo shall be FTA, and right logo shall be Regional Transit. The sign must be a wood-post sign and must comply with Section 82-3.

Dispose of construction project funding signs upon completion of the project, as authorized by the City.

Add to the beginning of the RSS for section 12-3.32C:

Place PCMSs at the locations shown and in advance of the 1st warning sign for each:

1. Work Zone Speed Reduction Warnings
2. Construction Area Sign
 - 500' east from the WB Hwy 50 off ramp
 - 500' south from the Mosquito Rd undercrossing

Add between the 9th and 10th paragraphs of the RSS for section 12-3.32C:

Add to section 12-4.01C:

Do not perform work that would require a closure.

Add to section 12-4.02A(2):

Martin Luther King Jr. Day is a designated holiday that is observed on the 3rd Monday in January. The day after Thanksgiving is a designated holiday that is observed the day after Thanksgiving Day. Christmas Eve is a designated holiday that is observed on December 24th.

Add to section 12-4.02C(3)(a):

If you use an attenuator vehicle as a shadow vehicle, you are not required to close the adjacent traffic lane for the following activities:

1. Grinding
2. Grooving
3. Saw cutting of concrete slabs
4. Installing loop detectors

Replace the 3rd paragraph of section 12-4.04C with:

There is no separate bid item for construction of a temporary pedestrian access route. If a temporary pedestrian access route is required, it is considered incidental to the other items of work and no additional compensation is allowed therefore.

Replace “Reserved” in section 12-6.03D(1) with:

Temporary markers and/or markings shall be installed by the Contractor for any existing crosswalk line, limit line, arrow, and other legend or traffic lane line removed or damaged by the work activity prior to the end of the work shift and before opening the lanes for traffic.

Requirements for Placing Temporary Pavement Markings

Existing Striping	Temporary Striping
12-inch crosswalk line	3 – 4 inch white stripes appearing as 1– 12 inch stripe
8-inch solid line	1 – 4 inch white solid stripe
4-inch broken white	1 – 4 inch white stripe (typically 7’ long, 17’ gaps*)
4-inch broken yellow	1 – 4 inch yellow stripe (typically 7’ long, 17’ gaps*)
Double yellow	2 – 4 inch yellow solid stripes 3 inches apart

* Consult Chapter 3 of the California MUTCD for further details. The dimensions for broken lines apply for streets with posted speed limits of 35 MPH or less. For speed limits of 40 MPH or more, the dimensions are for 12’ long stripes with 36’ gaps.

Replace Section 12-8 with:

12-8 CONSTRUCTION ZONE STANDARDS

12-8.01 GENERAL

12-8.01A Summary

Contractor is responsible for maintaining a safe work area during and after working hours.

12-8.03 Security and Contractor Property

The Contractor shall be responsible for the security of all Contractor property including, but not limited to, equipment, material that has not yet been installed, and tools. If the Contractor fails to properly lock, store, and secure equipment, tools, materials, etc., his property may be stolen. This area has a higher risk of theft than most areas within the City. The Contractor should expect transient trespassing within the project and staging areas. The Contractor shall do his best to deter trespassing onto the project and staging areas. No additional payment shall be made for added security measures. No additional payment shall be made for equipment, tools, materials, or any other property of the Contractor that is lost or stolen.

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13 WATER POLLUTION CONTROL

Add to section 13-1.01A:

This project is anticipated to be Risk Level 1.

Replace section 13-2 with:

A Stormwater Pollution Prevention Plan shall be prepared by the contractor for this project, see section 13-3. The contractor is to adhere to the 402 Construction General Permit.

Add between the 4th and 5th paragraphs of section 13-3.01C(2)(a):

The following RWQCBs will review the authorized SWPPP:

- 1. [Central Valley Regional Water Quality Control Board](#)

Add to the end of section 13-3.03:

If requested after sweeping, the Contractor shall wash the work area with sufficient water to remove remaining debris. Drainage inlets must be properly protected with inlet fabric/bags. Contractor shall use vactor equipment or other approved equipment to prevent domestic water from entering the storm drain system. Inlet bags shall be cleaned following each wash.

Replace paragraphs in section 13-3.04 with:

The City pays for the Storm Water Pollution Prevention Plan bid item as follows:

- 1. Total of 75 percent of the item total upon authorization of the SWPPP.
- 2. Total of 100 percent of the item total upon Contract acceptance.

The City does not pay for the preparation, collection, laboratory analysis, and reporting of stormwater samples for nonvisible pollutants if WPC practices are not implemented before precipitation or if you fail to correct a WPC practice before precipitation.

The City pays:

- 1. \$500 for each authorized rain event action plan.
- 2. \$2,000 for each authorized stormwater annual report.

The City will not adjust the unit price for an increase or decrease in the quantity of:

- 1. Rain event action plan.
- 2. Storm water sampling and analysis day.
- 3. Storm water annual report.
- 4. Any temporary erosion control measures under Section 13.

Add to section 13-4.03G:

Dewatering must comply with the provisions of Order No. 2003-0003-DWQ adopted by the State Water Resource Control Board (Statewide General Waste Discharge Requirement for Discharges To Land With A Low Threat To Water Quality) or Resolution R5-2013-0145 adopted by the Central Valley RWQCB (Waiver Of Reports Of Waste Discharge And Waste Discharge Requirements For Specific Types Of Discharge Within The Central Valley Region), whichever is applicable. This permit or resolution is available at the State Water Resource Control Board or Central Valley RWQCB Web site.

must be marked with the insulation type designation, conductor size, and voltage and temperature ratings.

4. Have an outside diameter of [0.29](#) to [0.35](#) inch.
5. Be UV resistant and direct burial type.
6. Have no splices between components except where shown.

Add to section 20-3.01B(3)(a) of the RSS for section 20-3.01B(3):

Soil amendment must comply with the provisions in the Food & Agri Code. Soil amendment must be one or a combination of the following:

1. Sphagnum peat moss
2. Nitrolized fir bark
3. Vermiculie
4. Perlite

Add to section 20-4.01A:

This project has a Type 2 plant establishment period.

Plant establishment period shall be 1 year.

Replace the paragraphs in section 20-5.03D(1)(d) with:

Not Used

Add to section 20-5.03D(2)(a):

Replace the paragraph in section 20-5.03D(2)(b) with:

Not Used

Delete the 2nd and 4th paragraphs of section 20-5.03D(3).

Replace the RSS for section 20-5.03E with:

20-5.03E Rock Mulch

20-5.03E(1) General

20-5.03E(1)(a) Summary

Section 20-5.03E includes specifications for placing rock mulch.

20-5.03E(1)(b) Definitions

Not Used

20-5.03E(1)(c) Submittals

Submit a 1 sq yd sample with rock of various sizes at least 5 business days before delivery to job site.

20-5.03E(1)(d) Quality Assurance

Not Used

20-5.03E(2) Materials

Do not use:

1. [Filter fabric](#)
2. [Soil sterilant](#)

Rock mulch must be [gray](#) and uniform in color.

3. Certification of compliance.

At least 20 days before HBGM installation review the soil testing results with the manufacturer to verify applications rates shown is sufficient. The contractor may submit any recommended HBGM design modifications as a result of the test.

21-2.01C(7) Endomycorrhizal Inoculum

At least 5 days prior to application of Endomycorrhizal Inoculum submit:

1. Supplier information
 - 1.1 Name
 - 1.2 Address
 - 1.3 Telephone number
 - 1.4 E-mail address
 - 1.5 Website
- 2 SDS
3. Product Label
4. Certificate of Compliance including:
 - 4-1 A supplier's guarantee of the number of live propagules per unit weight or volume of bulk material.
 - 4.2 Independent testing report of viable spores provided by manufacturer.

Add to section 21-2.01D:

21-2.01D(4) Endomycorrhizal Inoculum

Endomycorrhizal inoculum must be independently tested for actual counts of viable spores using standard spore extraction methods.

Add to section 21-2.02H:

Straw must be certified weed free under the Department of Food and Agriculture.

Replace section 21-2.02L with:

21-2.02L Fiber Reinforced Matrix

Materials must be stored and delivered in UV and weather resistant factory labeled packages. Store and handle materials in compliance with manufacturer's instructions and recommendations.

FRM must be composed of the following:

1. 70% defibrated long strand organic fibers. Fibers must be thermally processed and heated to a minimum temperature of 212 degrees Fahrenheit.
2. Water insoluble, cross-linked hydro-colloidal tackifiers
3. Interlocking, reinforcing, natural and/or synthetic fibers.
4. Flexible erosion control matrices that form a lofty interlocking composition creating airspace and water absorbing cavities that improve seed germination and reduces raindrop energy and soil loss.

Materials containing paper and/or cellulose fiber are not allowed.

FRM must comply with the requirements shown in the following table:

Fiber Reinforced Matrix		
Quality Characteristic	Test method	Requirement
Color	Observed	Colored to contrast application area, must not stain concrete painted surfaces or HMA
Organic Matter Content (min. %)	ASTM D2974	90

Minimum Water Holding Capacity (%)	ASTM D7367	700
Acute Toxicity	ASTM 7101 EPA 2021.0-1	Non-Toxic
Functional Longevity (Days)	Department Approved Testing Method	365
Maximum Slope Application (H:V)	Observed	1.0:1.0
Rainfall Event (R-factor)	ASTM D6459	160<R
Cover Factor	ASTM D6459	C ≤ 0.01
Functional Longevity (min Months)	ASTM D5338	12
Minimum Vegetation Establishment (%)	ASTM D7322	500

FRM must be one of the products below or an approved equal.

Product	Manufacturer	Contact
Flexterra™ HP-FGM CocoFlex™ ET-FGM	Profile Products	750 W. Lake Cook Rd, Suite 440 Buffalo Grove, IL 60089 800-508-8681 http://www.profilevs.com
FlexGuard®	Mat, Inc	12402 Hwy 2 Floodwood, Minn 55736 888-477-3028 http://www.matinc.biz
Hydra CX2 Extreme Slope Matrix	North American Green	5401 St. Wendel-Cynthiana Road Poseyville, IN 47633 (800) 772-2040 https://nagreen.com
HY-C4	East Coast Erosion Blankets	443 Bricker Rd. Bernville, PA 19506 800-582-4005 http://www.eastcoasterosion.com

Replace section 21-2.02M with:

21-2.02M Hydraulic Biotic Growth Medium

HBGM must be non-toxic

HBGM must be certified weed free under the Department of Food and Agriculture.

HBGM must be a blend of organic and natural fibers with fast-acting soil building and growth components and must be derived and contain three or more of a combination of the following materials:

1. Biochar
2. Humus/Humic Acid
3. Mycorrhizae Fungi
4. Seaweed Extract
5. Trace Elements
6. Growth Stimulators
7. Beneficial Microorganisms
8. Micronutrients
9. Organic Growth Medium

HBGM must comply with the requirements shown in the following table:

Hydraulic Biotic Growth Medium

Quality Characteristic	Test method	Requirement
Color	Observed	Colored to contrast application area, must not stain concrete painted surfaces or HMA
Organic Matter Content (min. %)	ASTM D586	85
Minimum Water Holding Capacity (%)	ASTM D7367	400
Acute Toxicity	ASTM 7101 EPA 2021.0-1	Non Toxic
Functional Longevity in Days	Department Approved Testing Method	Grass established in 90 days
C:N Ratio	ASTME1508	10:1100:1
pH	ASTM D1293	5.0-8.5
Moisture Content (% wet weight)	ASTM 2974	10-50
Minimum Vegetation Establishment (%)	ASTM D7322	400

Replace section 21-2.02N with:

21-2.02N Endomycorrhizal Inoculum

Endomycorrhizal inoculum must consist of spores, mycelium, and mycorrhizal root fragments in a carrier suitable for hydroseeding equipment.

The inoculum must be comprised of a single species, *Glomus intraradices* or a blend of multiple Endomycorrhizal species with *Glomus intraradices* comprising at least 50% of the mix.

Endomycorrhizal inoculum must be one of the products below or an approved equal.

Product Name	Manufacturer	Address	Telephone no.
AM-120	Restoration Technologies http://www.reforest.com	5355 Monterey Frontage Rd. Gilroy, Ca 95020	(800) 784-4769
MycApply® Ultrafine Endo	Mycorrhizal Applications http://mycorrhizae.com/	PO Box 1029 Grants Pass, OR 97528	(866) 476-7800
Endo 120	Tri C Enterprises http://naturalsoilutions.com	P.O. Box 1367 • Chino • California • 91708-1367	(800) 927-3311

Replace *biodegradable jute, sisal, or coir fiber* in the 1st paragraph of section 21-2.02P with: photodegradable plastic

Add to section 21-2.02P:

Straw for fiber roll must be certified weed free under the Department of Food and Agriculture.

Replace section 21-2.03K with:

21-2.03K Fiber Reinforced Matrix

Apply FRM with hydraulic spray equipment.

Add water to FRM as recommended by the manufacturer and mix sufficiently to ensure an even application. A dispersing agent may be added to the mixture if authorized.

Equipment must have a built-in continuous agitation and discharge system capable of producing a homogeneous mixture and uniform application rate. The tank must have a minimum capacity of 1,000 gallons. You may use a smaller tank if authorized.

Apply FRM in the locations and at the rates shown and as follows:

1. Apply in successive passes as necessary to achieve the specified application rate.
2. Form a continuous uniform mat as follows:
 - 2.1 Apply in 2 or more directions if necessary
 - 2.2 Apply in layers as necessary to avoid slumping and aid drying.
3. Apply all Hydroseed and FGM materials shown for a single area within 72 hours.
4. Apply all Hydroseed and FGM materials shown for a single area prior to a forecasted rain event.

After final application, do not allow pedestrians or equipment on the treated areas.

Replace section 21-2.03L with:

21-2.03L Hydraulic Biotic Growth Medium

21-2.03L(1) General

Apply HBGM in the locations and rate as shown.

Do not apply HBGM within 24 hours of precipitation.

21-2.03L(2) Soil Testing and Analysis

After earthwork is completed, provide an agronomic soil test and analysis from a State certified laboratory using methods of soil analysis approved by the American Society of Agronomy and the Soil Science Society of America.

Testing samples must be collected from at least 3 different locations within each designated test site at a depth of 6 inches in areas that are a best representative of each of the areas that soil that will be used for HBGM work.

Submit test results and any recommended design modifications as a result of the tests.

Test must comply with the following methods:

Soil Testing Methods

Required Test	Testing Method
Texture/Particle size analysis	Hydrometer method
Soil pH and soluble salts	1:1 soil/water slurry and saturated paste extraction
Buffer pH	Sikora method
Cations (Ca, K, Mg, Na)	Ammonium Acetate extraction
Phosphorus	Bray 1 extraction or Olson extraction
Trace Elements (Zn, Mn, Cu, Fe)	DTPA extraction
Sulfur	Phosphate extraction
Boron	DTPA/Sorbitol
Nitrate Nitrogen	Cadmium reduction
Salinity evaluation	Saturated paste extraction
All soluble nutrients	Saturated paste extraction

Laboratory interpretation data must cite concentrations which are considered to be low, medium, and high, as well as nutritional deficiencies, excess, and potential toxicities. Test must include amendment recommendations for erosion control.

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DIVISION V SURFACINGS AND PAVEMENTS

39 ASPHALT CONCRETE

Replace Reserved in section 39-2.01A(3)(a):

Add to 1st paragraph of section 39-2.01C(4)(a):

If it is impractical or impossible for longitudinal joints to match the lane lines, then the Contractor shall limit the paving seams to the least amount practical.

Replace section 39-2.01D with:

39-2.01D Payment

Payment for tack coat is included in the payment for hot mix asphalt (HMA) under bid item Hot Mix Asphalt (Type A).

Type A HMA for the roadway shall be paid for under the Hot Mix Asphalt (Type A) bid item. The payment quantity for HMA shown on the Bid Item List is measured based on the combined mixture weight. If recorded batch weights are printed automatically, the bid item for HMA is measured by using the printed batch weights, provided:

1. Total aggregate and supplemental fine aggregate weight per batch is printed. If supplemental fine aggregate is weighed cumulatively with the aggregate, the total aggregate batch weight must include the supplemental fine aggregate weight.
2. Total virgin asphalt binder weight per batch is printed.
3. Each truckload's zero tolerance weight is printed before weighing the first batch and after weighing the last batch.
4. Time, date, mix number, load number and truck identification is correlated with a load slip.
5. Copy of the recorded batch weights is certified by a licensed weigh master and submitted.

Installation of HMA dikes shall be paid under the HMA dike type shown on the Bid Item List. The payment quantity for the HMA Dike bid items is the length measured parallel to the ground surface along the flowline of the dike. Payment for the HMA used to construct the HMA dike is included in the payment for the HMA Dike bid items and is not included in the HMA bid item.

The Engineer does not adjust the unit price for an increase or decrease in the prepaving grinding pay quantity.

The City will not adjust the unit price for an increase or decrease in the quantity of Hot Mix Asphalt (HMA).

Payment will not be made for any HMA outside of the limits determined by the Engineer. No additional payment will be made for HMA depths greater than what is indicated on the plans unless otherwise directed or approved by the Engineer.

Payment will not be made for any HMA used as temporary paving surface, tapers, or ramps.

Replace section 39-2.02B(3) with:

Asphalt binder used in HMA Type A must be PG 64-16.

Add after section 39-2.07:

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70 MISCELLANEOUS DRAINAGE FACILITIES

Replace the first sentence in section 70-5.05B with:

All drainage inlet markers shall be stamped concrete imprints for all new drainage inlets. Any existing drainage inlets that do not have stamped concrete drainage inlet markers shall have prefabricated thermoplastic or medallion drainage inlet markers installed.

Replace paragraph in section 70-5.05D:

Drainage inlet markers installed per Standard Plan D71 and as shown on the Project Plans shall be paid for under the Drainage Inlet Marker bid item. The payment quantity for Drainage Inlet Marker bid item is the actual number of drainage inlet markers installed.

AA

71 EXISTING DRAINAGE FACILITIES

Add to section 71-1.03:

Existing drainage facilities not scheduled for removal shall be protected in place. Any damage done to existing drainage facilities not scheduled for removal due to the Contractor's operations shall be repaired to the satisfaction of the City Engineer at the Contractor's expense.

Replace *Reserved* in section 71-8 with:

71-8 WATER FACILITIES

71-8.01A General

71-8.01A(1) Summary

Section 71-8 includes specifications for constructing, installing, removing, and abandoning water pipes, water valves, fire hydrants, and water meters.

Water facilities must comply with the El Dorado Irrigation District Water, Sewer and Recycled Water Design & Construction Standards, the El Dorado Irrigation District Standard Detail Drawings, and the El Dorado Irrigation District Technical Specifications.

71-8.01A(2) Definitions

EID: El Dorado Irrigation District

EDSD: El Dorado Irrigation District Standard Detail Drawings

EDTS: El Dorado Irrigation District Technical Specifications

IDD&C: El Dorado Irrigation District Water, Sewer and Recycled Water Design & Construction Standards.

71-8.01A(3) Quality Assurance

Work to be accomplished under the approval, inspection and to the satisfaction of the City. Revisions to the project drawings must be approved in writing by the City.

Contractor is responsible for locating and protecting all underground facilities affected by the work and shall contact Underground Service Alert (USA) 48 hours prior to any excavation work for determination and location of underground utilities.

included in the unit price for each type. Recompaction of the existing base and/or subbase material below the Class 2 aggregate base required for the construction of Minor Concrete types shown on the Bid Item List shall be included in the unit price for each type.

Add to the beginning of section 73-3.03:

Before placing concrete, verify that forms and site constraints allow the required dimensioning and slopes shown. Immediately notify the Engineer if you encounter site conditions that will not accommodate the design details.

AA

77 LOCAL INFRASTRUCTURE

Replace *Reserved* in section 77-1 with:

1.1 77-1 Bike Lockers

1.1.1 77-1 General

Bike Lockers are to comply with Section 77 of the Standard Specifications and Manufacturer recommendations.

1.1.1.1 77-1 Materials

Bike lockers are to be Global Industrial Bike locker product: Bick Locker Option-302 (Fiberglass Composite), tan color; or approved equal.

1.1.1.2 77-10 Construction

Place lockers and secure to paved surfacing per manufacturer's recommendations in the location shown on the plans or as directed by the Engineer.

1.1.1.3 77-10 Payment

Payment of the bike locker and appurtenances are to be paid by Lump Sum as listed in the Engineer's Estimate. Unit of measurement includes payment for procurement, delivery, furnishing all labor, tools, equipment, all materials required per the manufacturer's requirements, and incidentals for doing all the work involved with the bid item.

DIVISION IX TRAFFIC CONTROL DEVICES

84 MARKINGS

Replace section 84-7 with:

84-7 POLYMER CEMENT SURFACE SYSTEM PAVEMENT MARKINGS

84-7.01 GENERAL

84-7.01A Summary

Section 84-7 includes specifications for installing the Ennis-Flint™ polymer cement surface system pavement markings.

84-7.01B Definitions

Polymer cement surface system: Ennis-Flint™ polymer cement surface system, or approved equal.

84-7.01C Submittals

At least 15 days before use, submit the following:

1. A Certificate of Compliance
2. Training record from the manufacturer for a minimum of one of your employees that will be onsite on a continuous basis when Ennis-Flint™ polymer cement surface system pavement markings.
3. Manufacturer's instructions for placing Ennis-Flint™ polymer cement surface system pavement markings.
4. SDS
5. 3-year manufacturer's replacement warranty for Ennis-Flint™ polymer cement surface system pavement markings.

84-7.01D Quality Assurance

84-7.01D(1) General

Not used.

84-7.01D(2) Quality Control

Within 30 days of application, test the skid resistance of the Ennis-Flint™ polymer cement surface system pavement markings under ASTM E303.

84-7.01D(3) Weather Limitations

Installation should not be commenced when there is a greater than 40% chance of rain within the next 12 hours. Ennis-Flint™ polymer cement surface system pavement markings should not be applied to substrates with surface temperature exceeding 120° F or below 40°F.

84-7.01D(4) Training

Use personnel trained by the manufacturer to apply Ennis-Flint™ polymer cement surface system pavement markings. Provide training by the manufacturer to a maximum of 4 Department employees on placement for Ennis-Flint™ polymer cement surface system pavement markings. Training must be a minimum of 2 hours to include material storage, surface preparation, material handling, mixing, placement, and material exposure safety.

84-7.01D(5) Warranty

The 3-year manufacturer's replacement warranty for Ennis-Flint™ polymer cement surface system pavement markings, must cover defects in workmanship, colorfastness, and attachment. The 3-year warranty period starts the day after CCA.

84-7.02 MATERIALS

The material used shall be the Ennis-Flint™ polymer cement surface system pavement markings and must comply with the specifications shown in the following table:

Polymer Cement Material Properties

Description	Test Method	Value
Compressive Strength, (at 28 days) 2" Cube	ASTM C-109	> 3,100 PSI
Tensile Strength	ASTM C-190	> 700 PSI
Bond Strength with Asphalt	ASTM C-1583	> 250 PSI
Bond Strength with Concrete	ASTM C-1583-13	> 250 PSI
Applied Skid Resistance	ASTM E-303	> 60

Ennis-Flint™ polymer cement surface system pavement markings can be obtained from:

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CITY OF PLACERVILLE

3101 Center Street
Placerville, California 95667

INITIAL STUDY MITIGATED NEGATIVE DECLARATION

1. **Project Title:** Placerville Station Phase II – Park & Bus
(Temporary Parking/Transit Facility)
2. **Lead Agency Name and Address:** City of Placerville, 3101 Center Street, Placerville,
CA 95667
3. **Contact Person and Phone Number:** A. Cory Schiestel, Associate Civil Engineer (530)
642-5250
4. **Project Location:** A 0.8-acre parcel located at 2950 Mosquito Road, immediately
adjacent to the existing Placerville Station “Park and Bus” facility. See Exhibits “A” &
“B”
5. **Project Sponsor's Name and Address:** City of Placerville, 3101 Center Street,
Placerville, CA 95667
6. **General Plan Designation:** Heavy Commercial
7. **Zoning:** HC (Heavy Commercial)
8. **Description of Project:** Placerville Station Phase II consists of grading, surfacing,
landscaping, and utility pole replacement/relocation. At the completion of this work, this
facility will provide parking spaces for approximately 60 additional vehicles and buses,
and include improved pedestrian and bicycle facilities.

The property is currently being used as an unpaved/graveled parking lot. The nature of the work is more specifically described as follows:

1. A 6-inch thick section of asphalt concrete will be used to surface the facility for vehicle parking and striping.
2. Realign and improve the existing El Dorado Trail into a Class 1 pedestrian and bicycle facility.
3. Install vegetated drainage bio-swales to improve storm water quality and increase infiltration.
4. Plant approximately 30 new trees and construct landscaped buffer areas.
5. Install bicycle racks.
6. Install decorative lighting for nighttime security use of the facility.
7. Relocate overhead utilities currently in conflict with proposed improvements.
8. Replace aging sewer, water, and storm drain facilities in Mosquito Road adjacent to Park & Bus facility.
9. Widen/repave Mosquito Road adjacent to Park & Bus and add a right turn pocket.

All work will be accomplished in conformance with the City of Placerville Grading Ordinance, the El Dorado County Air Quality Management District dust control regulations, the requirements of the State of California Public Contract Code, and the Americans with Disabilities Act.

9. **Surrounding Land Uses and Setting:** The site is currently an unpaved/graveled parking lot. Surrounding land uses include Medium Density Residential to the west, Heavy Commercial to the north, Low Density Residential to the east, and Locust Avenue and U.S. Highway 50 to the South.
10. **Other agencies whose approval is required:** Sacramento Regional Transit District
11. **Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, has consultation begun?**

Local Native American Tribes were notified in writing of the project on May 25. The City received one comment regarding inadvertent discoveries, and no requests for consultation as of August 13, 2018.

Note: Conducting consultation early in the CEQA process allows tribal governments, lead agencies, and project proponents to discuss the level of environmental review, identify and address potential adverse impacts to tribal cultural resources, and reduce the potential for delay and conflict in the environmental review process. (See Public Resources Code section 21083.3.2.) Information may also be available from the California Native American Heritage Commission's Sacred Lands File per Public Resources Code section 5097.96 and the California Historical Resources Information System administered by the California Office of Historic Preservation. Please also note that Public Resources Code section 21082.3(c) contains provisions specific to confidentiality.

Placerville Station – Park & Bus – Phase II

Detailed Project Description

The Placerville Station (Phase I) was completed in 2001 and has been owned and operated by the City of Placerville since. Placerville Station has sometimes been referred to as the 'Park and Bus' Facility. The facility currently serves temporary parking for persons using El Dorado County Transit bus service to destinations outside the City and Sacramento, Amtrak service, and parking for the El Dorado Trail.

The Phase I facility includes approximately 55 parking spaces, restrooms, a covered shelter, electric vehicle charging stations, and other amenities. Additional parking is needed to support expanded transit service, the facility is needed to compensate for a loss of downtown parking associated with recent street improvements. The City also currently has a shortage of parking for Buses.

Local funds will be used to improve adjacent sewer, water, storm drainage, and roadway while the Federally-funded project is designed and constructed in accordance with Federal requirements.

The Placerville Station Phase II expansion will occur on the unimproved 0.8-acre parcel located between the intersection of Locust Avenue and Mosquito Road and Placerville Station Phase I. The project location is immediately adjacent to the south of Placerville Station Phase I, and will add approximately 60 additional parking spaces, for a total of approximately 115 spaces. Bus parking and bicycle racks will also be included. The City intends to donate this parcel to the project as an in-kind match to the Federal Transit Administration grant as allowed under 49 CFR 18.24, and FTA Circular 5010.1C, Chapter II, Section (2)(a)(5).

The property is currently being used as a parking lot. The nature of the work is more specifically described as follows:

1. A 6-inch thick section of asphalt concrete will be used to surface approximately 25,000 square feet for vehicle parking, and the facility will be striped.
2. Realign and improve approximately 330 feet of the existing El Dorado Trail into a Class 1 pedestrian and bicycle facility.
3. Install vegetated drainage bio-swales to improve storm water quality and increase infiltration.
4. Plant approximately 30 new trees and construct landscaped buffer areas.
5. Install two new bicycle racks.
6. Install nine decorative lighting standards for nighttime use of the facility.
7. Relocate five overhead utility poles currently in conflict with proposed improvements.
8. Replace approximately 300 linear feet of aging sewer, water, and storm drain facilities in Mosquito Road adjacent to Park & Bus facility.
9. Widen/repave Mosquito Road adjacent to Park & Bus and add a right turn pocket.

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ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project. Please see the checklist beginning on page 2 for additional information.

<input type="checkbox"/>	Aesthetics	<input type="checkbox"/>	Agriculture and Forestry	<input type="checkbox"/>	Air Quality
<input checked="" type="checkbox"/>	Biological Resources	<input checked="" type="checkbox"/>	Cultural Resources	<input type="checkbox"/>	Geology/Soils
<input type="checkbox"/>	Greenhouse Gas Emissions	<input type="checkbox"/>	Hazards and Hazardous Materials	<input type="checkbox"/>	Hydrology/Water Quality
<input type="checkbox"/>	Land Use/Planning	<input type="checkbox"/>	Mineral Resources	<input type="checkbox"/>	Noise
<input type="checkbox"/>	Population/Housing	<input type="checkbox"/>	Public Services	<input type="checkbox"/>	Recreation
<input type="checkbox"/>	Transportation/Traffic	<input type="checkbox"/>	Tribal Cultural Resources	<input type="checkbox"/>	Utilities/Service Systems
<input type="checkbox"/>	Mandatory Findings of Significance				

DETERMINATION:

On the basis of this initial evaluation:

<input type="checkbox"/>	I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
<input checked="" type="checkbox"/>	I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
<input type="checkbox"/>	I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
<input type="checkbox"/>	I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
<input type="checkbox"/>	I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature: <i>Pierre Rivas</i>	Date: <i>10-4-18</i>
Printed Name: Pierre Rivas	For: City of Placerville

CEQA Environmental Checklist

Placerville Station Phase II – Park & Bus

City of Placerville

This checklist identifies physical, biological, social and economic factors that might be affected by the proposed project. In many cases, background studies performed in connection with the projects indicate no impacts. A NO IMPACT answer in the last column reflects this determination. Where there is a need for clarifying discussion, the discussion is included either following the applicable section of the checklist or is within the body of the environmental document itself. The words "significant" and "significance" used throughout the following checklist are related to CEQA, not NEPA, impacts. The questions in this form are intended to encourage the thoughtful assessment of impacts and do not represent thresholds of significance.

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
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I. AESTHETICS: Would the project:

a) Have a substantial adverse effect on a scenic vista?

The project site is adjacent to a scenic highway; however, the highway is substantially elevated adjacent to the site. The subject site cannot be seen from the highway and is not located on a scenic vista; therefore, the proposed project will not have an impact on the scenic vista or scenic highway. The project improves and enhances an existing graveled "park and ride" facility.

b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

Refer to (a) above. There are no scenic or historical resources within the project area.

c) Substantially degrade the existing visual character or quality of the site and its surroundings?

The project scope includes the planting of approximately 30 trees, the addition of new landscaping, and the relocation of overhead utilities which will improve the appearance of the facility which is currently used as a graveled parking lot.

d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

There are five (5) high pressure sodium street lights (HPS) currently located at or adjacent to the facility. The project will replace two existing HPS located within the park and bus, with nine (9) uniformly spaced, 175 watt metal halide ornamental luminaires similar to the lights that were installed with phase I of the project. New parking lot lighting will use shielded light standards that direct lighting mostly downward rather than outward to adjoining properties reducing light trespass and nuisance glare. Parking lot lighting shall be provided to the minimum extent necessary to provide safety to the facility. (See Exhibit "B")

The remaining three (3) obsolete high pressure sodium street lights located on Mosquito Road and on Locust Ave will be relocated, and replaced with energy efficient LED street lights. Lighting improvements are not expected to significantly impact existing nighttime views in the area.

II. AGRICULTURE AND FOREST RESOURCES: In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment Project; and the forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:

Potentially Significant Impact Less Than Significant with Mitigation Less Than Significant Impact No Impact

a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

No farmland will be impacted by this project.

b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

Refer to (a) above.

c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?

No forest land or timberland will be impacted by this project.

d) Result in the loss of forest land or conversion of forest land to non-forest use?

Refer to (c) above.

e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?

Refer to (c) above.

III. AIR QUALITY: Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:

a) Conflict with or obstruct implementation of the applicable air quality plan?

By providing additional transit opportunities and thereby encouraging transit use, a reduction in vehicle trips in the vicinity and U.S. Highway 50 corridor is anticipated thus reducing any degradation of air quality, a central benefit of the project. During construction, dust and particulates will be mitigated through fugitive dust control measures including wetting disturbed soil, preventing tracking on paved surfaces, keeping stockpiles covered, and suspending work in high winds if necessary.

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Refer to (a) above.

c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non- attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Refer to (a) above.

d) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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There are no sensitive receptors near the subject site.

e) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The proposed project is not expected to create any objectionable odors.

IV. BIOLOGICAL RESOURCES: Would the project:

a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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The subject site is one which has been previously disturbed, consists of only ruderal vegetation, and is surrounded by fully developed urban uses. The site contains no wetlands or riparian habitat, but there are several existing mature trees adjacent to the project area.

MITIGATION MEASURE - BR-1: If project-related activities are scheduled during the nesting season (typically February 1 to August 31), a focused survey for nests shall be conducted by a qualified biologist within three (3) days prior to the beginning of project-related activities. The qualified biologist shall survey the area for all nests within a minimum 500-foot radius around the project area. The results of the survey shall be made available upon request. If an active nest is found, the qualified biologist shall establish a non-disturbance buffer sized appropriately for the particular species and level of disturbance around the nest. The buffer shall be maintained until the nest is no longer active. If a lapse in project-related work of fifteen (15) days or longer occurs, another focused survey will be required before project work can be reinitiated.

Timeframe for Implementation: Within three (3) days prior to the contractor mobilizing for construction activities

Responsibility for Implementation: Development Services – Engineering Division and Qualified Biologist. Biologist to provide survey results memo to the Engineering Division.

Oversite of Implementation: Development Services – Engineering Division

b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Refer to (a) above.

c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

Refer to (a) above.

Potentially Significant Impact Less Than Significant with Mitigation Less Than Significant Impact No Impact

d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

The site is not located within a migration corridor.

e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

The project will cause the removal of five (5) interior live oak trees (quercus wislizeni).

MITIGATION MEASURE – BR-2: The project will include the planting of a minimum of six (6) new native interior live oak trees.

Timeframe for Implementation: Additional oak (quercus wislizeni) plantings will be included into the final construction documents prior to advertising for public bidding

Responsibility for Implementation: Development Services – Engineering Division and Consulting Landscape Architect

Oversite of Implementation: Development Services – Engineering Division

f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

The project will not conflict with the provisions adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan

V. CULTURAL RESOURCES: Would the project:

a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?

Due to the previously disturbed nature of the land within the project area, and that the project would require minimal excavation, the proposed "Park & Bus" facility is not expected to impact cultural, archaeological or historical resources. However, utility pole relocations will require three excavations for three new poles.

MITIGATION MEASURE – CR-1: If potential tribal cultural resources, archaeological resources, other cultural resources, articulated, or disarticulated human remains are discovered by Native American Representatives or Monitors from interested Native American Tribes, qualified cultural resources specialists or other Project personnel during construction activities, work will cease within one-hundred (100) feet of the find (based on the apparent distribution of cultural resources), whether or not a Native American Monitor from an interested Native American Tribe is present. A qualified cultural resources specialist and Native American Representatives and Monitors from culturally affiliated Native American Tribes will assess the significance of the find and make recommendations for further evaluation and treatment as necessary. These recommendations will be documented in the project record. For any recommendations made by interested Native American Tribes which are not implemented, a justification for why the recommendation was not followed will be provided in the project record.

If adverse impacts to tribal cultural resources, unique archeology, or other cultural resources occurs, then consultation with UAIC regarding mitigation contained in the Public Resources Code sections 21084.3(a) and (b) and CEQA Guidelines section 15370 should occur, in order to coordinate for compensation for the impact by replacing or providing substitute resources or environments.

Timeframe for Implementation: During grading, utility pole relocations, and construction activities involving excavation

Responsibility for Implementation: Development Services – Engineering Division and Qualified Archaeologist

Oversite of Implementation: Development Services – Engineering Division

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?

Refer to (a) above.

c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

The project site contains no known paleontological or geologic resources.

d) Disturb any human remains, including those interred outside of dedicated cemeteries?

Refer to (a) above.

VI. GEOLOGY AND SOILS: Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

A Geotechnical Investigation Report was prepared for the "Park & Bus" Phase II expansion in 2010 by Parikh Consultants, Inc. revealed no usual geological anomalies affecting the proposed project.

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42?

Refer to above.

ii) Strong seismic ground shaking?

Refer to above.

iii) Seismic-related ground failure, including liquefaction?

Refer to above.

iv) Landslides?

Refer to above.

b) Result in substantial soil erosion or the loss of topsoil?

Refer to above.

c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?

Refer to above.

d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?

Refer to above.

e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?

Existing sewer is located adjacent to the project site. Placerville Station Phase I included the construction of a public restroom.

VII. GREENHOUSE GAS EMISSIONS: Would the project:

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

The nature of the project is to promote carpooling, reducing greenhouse gases. No significant increase in emissions is expected to occur.

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Refer to (a) above.

VIII. HAZARDS AND HAZARDOUS MATERIALS: Would the project:

Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
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a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Transport, use, or disposal of hazardous materials will not be permitted at the site before, during, or after construction.

b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Refer to (a) above.

c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Refer to (a) above.

d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

The Phase II Environmental Site Assessment – Water and Soil Sampling Analysis has been prepared by Carlton Engineering dated June 1999 for 6.6 acres of undeveloped property adjacent to and including the project site. Since the report was written, hazardous materials that were identified have been mitigated and parcels adjacent to the "Park & Bus" expansion have been successfully developed. According to the report, levels of lead and hydrocarbon byproducts were identified near the proposed 0.8 acre "Park & Bus" expansion site, but there were no hazardous materials associated with the five soil samples taken within the project area that exceed regulatory action levels. No hazardous materials are expected to be discovered or created as a result of the project.

e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?

The site is not located in or near an airport.

f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?

The site is not located in or near a private airstrip.

g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

The park & bus will not interfere with any emergency response plans.

h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

The site is not expected to increase fire risk.

IX. HYDROLOGY AND WATER QUALITY: Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
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a) Violate any water quality standards or waste discharge requirements?

Storm water quality is expected to improve because drainage will be routed through new vegetated drainage swales. No storm water quality standards will be violated and no waste will be discharged.

b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?

	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The proposed project does not involve additions or withdrawals, groundwater, or aquifers. Therefore, the project will not cause a change in quantity of groundwater.

c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?

	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Existing drainage patterns will not be significantly altered by the project. The parcel will continue to drain to adjacent Randolph Creek which is tributary to Hangtown Creek.

d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?

	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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The project is proposed to place a new asphalt concrete surface. The existing site consists of highly compacted native clay material and asphalt concrete grindings with poor infiltration characteristics, so reduction of the infiltration rate is expected to be negligible. Furthermore, a decrease in peak flow runoff volume is expected during small storm events because drainage will be routed through new vegetated drainage swales with improved infiltration characteristics. Peak flow volumes are expected to remain roughly the same as existing during moderate to large storm events.

e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Refer to (a) and (d) above. No polluted runoff will be permitted to leave the site.

f) Otherwise substantially degrade water quality?

	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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No water quality degradation will result from the project.

g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?

	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The project is not associated with housing or any other structures.

h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?

	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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No flood flows will be impeded or redirected by the project.

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

There are no dams or levees in the vicinity of the project.

j) Inundation by seiche, tsunamis, or mudflow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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These risks are not associated with this project in any way.

X. LAND USE AND PLANNING: Would the project:

a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The project will not create a division in any communities.

b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Land Use and Zoning for the subject site allows for heavy commercial uses. The proposed Placerville Station Phase II is consistent with uses permitted for the Land Use and Zoning Designations under the City of Placerville's General Plan.

c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Refer to (b) above.

XI. MINERAL RESOURCES: Would the project:

a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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There are no known mineral resources in the project area.

b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Refer to (a) above.

XII. NOISE: Would the project result in:

Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
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a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The subject site realizes a high ambient noise level since it is adjacent to U.S. Highway 50. The proposed project will not cause a change in the ambient noise levels of the general vicinity.

b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Refer to (a) above.

c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Refer to (a) above.

d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Ambient noise levels are expected to increase during construction. The estimated duration for construction with the use of construction equipment is not yet determined but is expected to be as much as 100 working days. Construction hours will be limited to 7:00 AM to 7:00 PM with no work on Sunday. After project completion ambient noise levels are expected to return to pre-construction levels.

e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The site is not located in or near an airport.

f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The site is not located in or near a private airstrip.

XIII. POPULATION AND HOUSING: Would the project:

a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The proposed project does not involve housing; therefore, will not induce significant population growth.

b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The proposed project does not displace housing.

c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Refer to (b) above.

XIV. PUBLIC SERVICES:

a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
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Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The proposed project does not have an effect upon or result in the need for new or altered government services in the area of fire protection.

Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The proposed project does not have an effect upon or result in the need for new or altered government services in the area of police protection.

Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The proposed project does not have an effect upon or result in the need for new or altered government services in the area of schools.

Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The proposed project does not have an effect upon or result in the need for new or altered government services in the area of parks.

Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The proposed project does not have an effect upon or result in the need for new or altered government services of any type.

XV. RECREATION:

a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The project will have no effect on City parks.

b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The project does not include any recreational facilities.

XVI. TRANSPORTATION/TRAFFIC: Would the project:

Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
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a) Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The project does not conflict with any transportation modes. A central project benefit is to improve carpool and mass transit access, and bicycle and pedestrian facilities.

b) Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The project does not conflict with any congestion management program.

c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The project will not affect air traffic patterns.

d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The existing conditions of the site will remain essentially the same. No increase in design hazards are being proposed.

e) Result in inadequate emergency access?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The project will not effect of any emergency access.

f) Conflict with adopted policies, plans or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The project will improve public transit, bicycle, and pedestrian facilities by constructing a class 1 bike trail, bicycle racks, adding 6 bus parking spaces, and improved lighting for nighttime use.

XVII. TRIBAL CULTURAL RESOURCES: Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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The project site is not listed or known to be eligible to be listed California Register of Historical Resources, or in a local register of historical resources

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Tribes were notified of the project in writing on May 25. One comment was received from the United Auburn Indian Community (UAIC) who requested that the following inadvertent discovery mitigation measure was included in the environmental document and project specifications:

Develop a standard operating procedure, points of contact, timeline and schedule for the project so all possible damages can be avoided or alternatives and cumulative impacts properly accessed.

If potential tribal cultural resources, archaeological resources, other cultural resources, articulated, or disarticulated human remains are discovered by Native American Representatives or Monitors from interested Native American Tribes, qualified cultural resources specialists or other Project personnel during construction activities, work will cease within one-hundred (100) feet of the find (based on the apparent distribution of cultural resources), whether or not a Native American Monitor from an interested Native American Tribe is present. A qualified cultural resources specialist and Native American Representatives and Monitors from culturally affiliated Native American Tribes will assess the significance of the find and make recommendations for further evaluation and treatment as necessary. These recommendations will be documented in the project record. For any recommendations made by interested Native American Tribes which are not implemented, a justification for why the recommendation was not followed will be provided in the project record.

If adverse impacts to tribal cultural resources, unique archeology, or other cultural resources occurs, then consultation with UAIC regarding mitigation contained in the Public Resources Code sections 21084.3(a) and (b) and CEQA Guidelines section 15370 should occur, in order to coordinate for compensation for the impact by replacing or providing substitute resources or environments.

No other comments or requests for consultation by California Native American tribes were received by the City as of August 13, 2018.

XVIII. UTILITIES AND SERVICE SYSTEMS: Would the project:

The proposed project will not result in the need for new utilities. However, modifications of utilities is included in the project scope to relocate facilities either in conflict with project improvements or replace facilities adjacent to the project area that have reached the end of service life.

a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Any increase of wastewater produced by the facility will be negligible.

b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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No new wastewater expansions will be necessary as a result of this project.

c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

A poorly located/ineffective existing storm drain inlet will be relocated. No significant environmental effects will result.

d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?

An existing 6-inch water main which has reached the end of service life will be removed and replaced with a new 8-inch main.

e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Any increase of wastewater produced by the facility will be negligible.

f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?

No additional solid waste will be produced as a result of the project.

g) Comply with federal, state, and local statutes and regulations related to solid waste?

The project will comply with all federal, state, and local statutes and regulations related to solid waste.

Potentially Significant Impact Less Than Significant with Mitigation Less Than Significant Impact No Impact

XIX. MANDATORY FINDINGS OF SIGNIFICANCE

a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

There are no known habitats for fish or wildlife species, or rare plants that will be affected by the project.

b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

There are no cumulative considerable environmental impacts with past projects, and there is currently no plan for any additional projects associated with the Park & Bus.

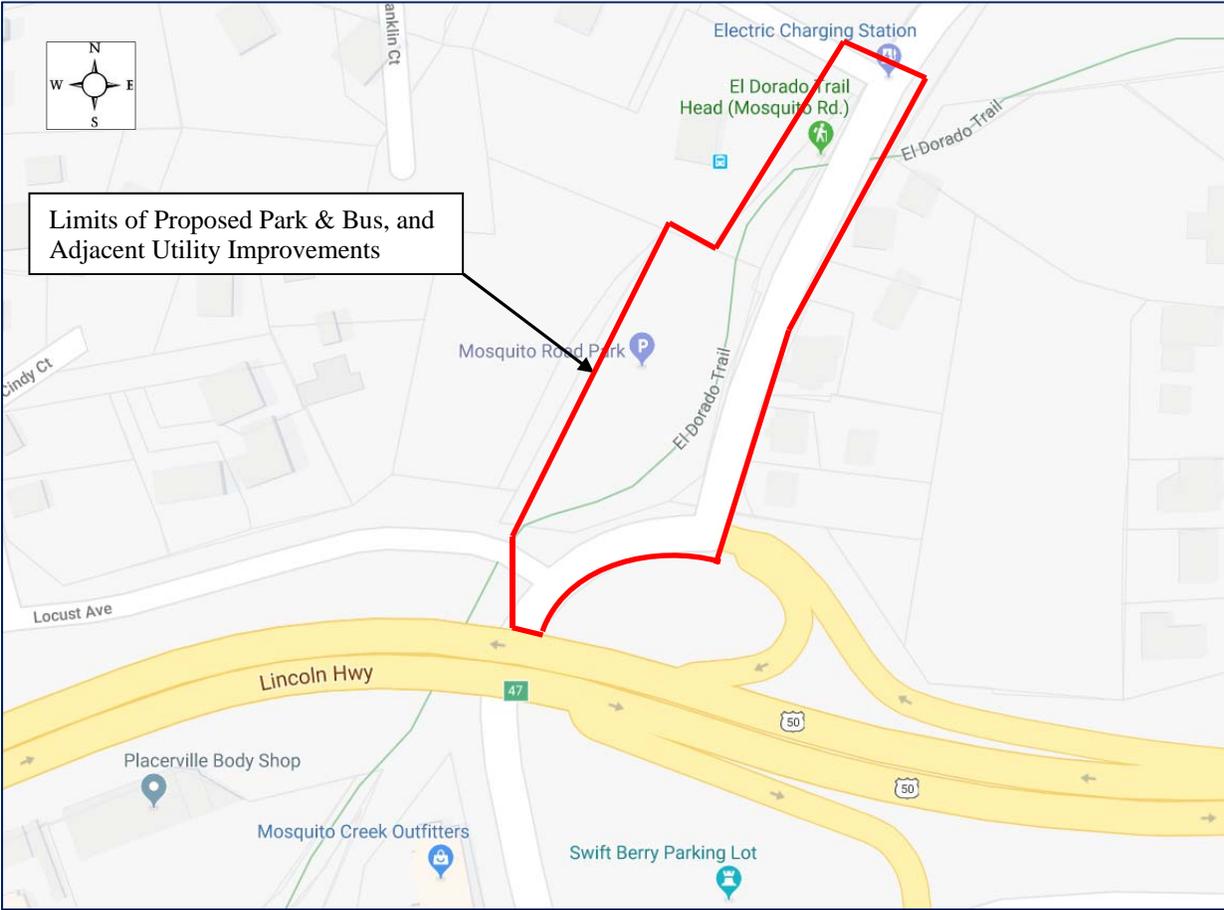
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

There are no substantial adverse effects on human beings associated with the project.

Placerville Station Phase II – Park & Bus – Exhibit “A”



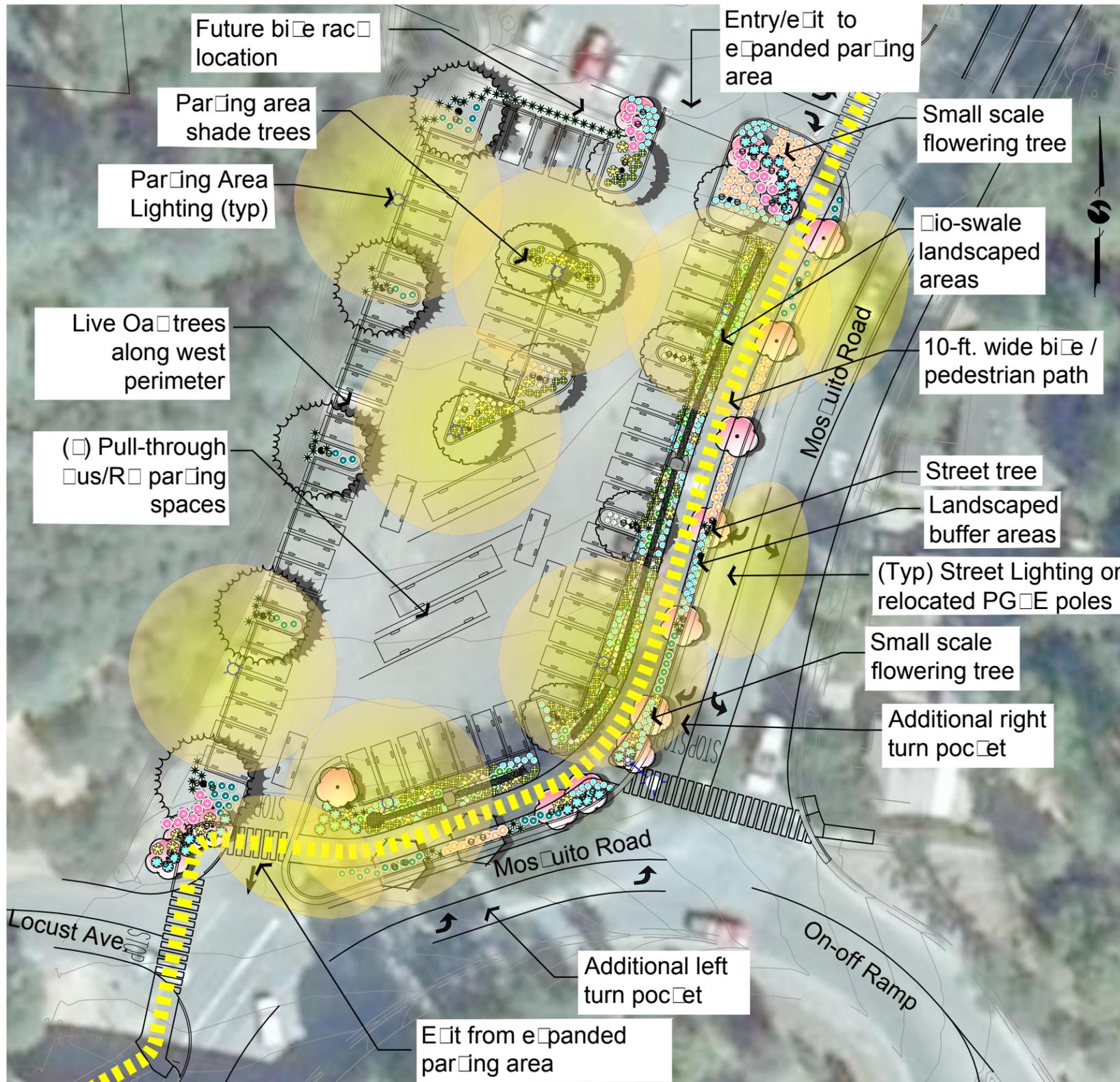
Vicinity Map (No Scale)



Project Location Map (No Scale)

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ILLUSTRATIVE PLAN



DESIGN IMPROVEMENTS

- Proposed Parking Increase (60 spaces)
 - () standard spaces (9'x18')
 - () Ramp pull through spaces
- Improved Intersection Traffic Flow and Safety
- Relocated Overhead Utility Lines
- Improved Bike / Pedestrian Connection

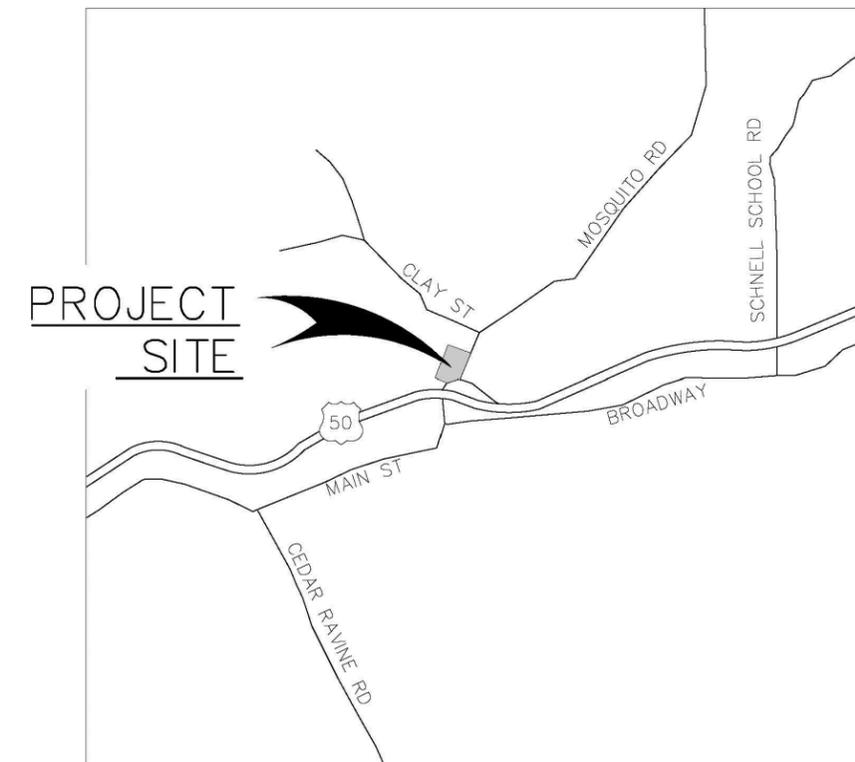
LIGHTING IMPROVEMENTS

- Light fixture to reflect existing fixtures in first phase parking lot.



LANDSCAPE IMPROVEMENTS

The landscape design incorporates native trees, trees selected to provide shade, trees for accent, seasonal color, drought tolerant species, and a variety of specialty grasses used in the bio-swale areas.



Placerville Station Park n' Ride Phase II

Placerville, California



APPENDIX B

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION

ENCROACHMENT PERMIT RIDER

TR-0122 (REV 6/1999)

Collected By	Permit No. 0320NCS0329
Rider Fee Paid \$ EXEMPT	Dist/Co/Rte/PM 03-ED-50 PM 18.55 to ED-50 PM 18.55
Date Sep 17, 2021	Rider Number 0321-NRT1354

TO: City of Placerville
 3101 Center Street
 Placerville, CA 95667
 Attn: A. Cory Schiestel
 530-642-5557

PERMITTEE

Ref No.CIP 40708

In compliance with your request of September 17, 2021 we are hereby amending the above numbered encroachment permit as follows
DATE

Date of completion extended to: 10/1/2022. COMPLETION DATE AMENDED.

The Caltrans representative's contact information is:
 Mali Karimi - Cell: (916) 709-1744, Email: mali.karimi@dot.ca.gov

Except as amended, all other terms and provisions of the original permit shall remain in effect.

Mali Karimi, Permit Inspector

cc: Steve Hardie, Sunrise Maint. Region

APPROVED

AMARJEET BENIPAL, District Director

BY

Alex for

HIKMAT BSAIBESS, District Permit Engineer

ADA Notice For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 654-6410 or TDD (916) 654-3880 or write Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.

PERMISSIONS Conditions Continued:

2. Traffic control must be placed, maintained, and performed by a California C-31 Construction Zone Traffic Control Contractor and be in accordance with the latest edition of CA MUTCD and Caltrans standards.
3. Shoulder/Lane closure requests (including "Road Work Ahead" type signs in shoulder) must be submitted to the Caltrans representative via email (with the form filled out) by **NOON** on the Monday preceding the week of planned work, i.e. if you need a closure for a Friday, you must make that request on the Monday of the preceding week (11 days prior). Requests received after **NOON** on Monday will not be processed until the following Monday.
4. Lane or shoulder closures are not authorized unless approved by Caltrans' Traffic Management Center (TMC). **All closures and canceled closures** must be called in to TMC dispatch at 916-859-7900 at the beginning and end of each scheduled closure. Failure to do so could result in denial of future closure requests.
5. Permittee must keep a log of all closures called in to TMC (10-97 closure up, 10-98 closure down, and 10-22 canceled closure), and the name of the dispatch person at the TMC. A copy of the log must be provided via e-mail to the Caltrans representative at the end of each week, no later than close of business on Friday.
7. The permittee must ensure that traffic does not back up the US Highway 50 westbound offramp.
8. If feasible, monuments should not be set within the traveled way. All monuments that must be set or perpetuated in paved areas, must be constructed in accordance with Caltrans Standard Specification Section 81, 'Monuments' and Standard Plan A74, Type D, or equal with prior approval of the District Surveys Engineer.
9. No sediment is allowed to be tracked onto the highway. Any sediment that is tracked onto the roadway must be swept immediately. Sediment must not be removed by washing/flushing with water.
10. Notwithstanding General Provision #4, your contractor must obtain an encroachment permit (double permit) prior to starting work. The following items are to be submitted by the contractor when applying for a double permit:
 - a. Deposit of \$820.00
 - b. A binder with signed, hard copy of complete SWPPP containing the required signatures and certifications of the LRP, QSD and Contractor and including all attachments and appendices must be submitted for review and acceptance.

The Caltrans representative's contact information is:
Mali Karimi - Cell: (916) 709-1744, Email: mali.karimi@dot.ca.gov

STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION
ENCROACHMENT PERMIT GENERAL PROVISIONS
TR-0045 (REV. 01/2020)

1. **AUTHORITY:** The California Department of Transportation ("Department") has authority to issue encroachment permits under Division 1, Chapter 3, Article 1, Sections 660 through 734 of the Streets and Highways Code.
2. **REVOCATION:** Encroachment permits are revocable on five (5) business days' notice unless otherwise stated on the permit and except as provided by law for public corporations, franchise holders, and utilities. Notwithstanding the foregoing, in an emergency situation as determined by the Department, an encroachment permit may be revoked immediately. These General Provisions and any applicable Special Provisions are subject to modification or abrogation by the Department at any time. Permittees' joint use agreements, franchise rights, reserved rights or any other agreements for operating purposes in State of California ("State") highway right-of-way may be exceptions to this revocation.
3. **DENIAL FOR NONPAYMENT OF FEES:** Failure to pay encroachment permit fees when due may result in rejection of future applications and denial of encroachment permits.
4. **ASSIGNMENT:** This encroachment permit allows only the Permittee or Permittee's authorized agent to work within or encroach upon the State Highway System, and the Permittee may not assign this permit.
5. **ACCEPTANCE OF PROVISIONS:** Permittee understands and agrees to accept and comply with these General Provisions, the Special Provisions, any and all terms and/or conditions contained in or incorporated into the encroachment permit, and all attachments to the encroachment permit (collectively "the Permit Conditions"), for any encroachment, work, and/or activity to be performed under this encroachment permit and/or under color of authority of this encroachment permit. Permittee understands and agrees the Permit Conditions are applicable to and enforceable against Permittee as long as the encroachment remains in, under, or over any part of the State Highway System.
6. **BEGINNING OF WORK:** When traffic is not impacted (see General Provision Number 35), the Permittee must notify the Department's representative two (2) business days before starting permitted work. Permittee must notify the Department's representative if the work is to be interrupted for a period of five (5) business days or more, unless otherwise agreed upon. All work must be performed on weekdays during regular work hours, excluding holidays, unless otherwise specified in this encroachment permit.
7. **STANDARDS OF CONSTRUCTION:** All work performed within State highway right-of-way must conform to all applicable Departmental construction standards including but not limited to: Standard Specifications, Standard Plans, Project Development Procedures Manual, Highway Design Manual and Special Provisions. Other than as expressly provided by these General Provisions, the Special Provisions, the Standard Specifications, Standard Plans, and other applicable Departmental standards, nothing in these General Provisions is intended to give any third party any legal or equitable right, remedy, or claim with respect to these General Provisions or any provision herein. These General Provisions are for the sole and exclusive benefit of the Permittee and the Department. Where reference is made in such standards to "Contractor" and "Engineer," these are amended to be read as "Permittee" and "Department's representative," respectively, for purposes of this encroachment permit.
8. **PLAN CHANGES:** Deviations from plans, specifications, and/or the Permit Conditions as defined in General Provision Number 5 are not allowed without prior approval from the Department's representative.
9. **INSPECTION AND APPROVAL:** All work is subject to monitoring and inspection. Upon completion of work, Permittee must request a final inspection for acceptance and approval by the Department. The local public agency Permittee must not give final construction approval to its contractor until final acceptance and approval by the Department is obtained.
10. **PERMIT AT WORKSITE:** Permittee must keep the permit package or a copy thereof at the work site at all times and must show it upon request to any Department representative or law enforcement officer. If the permit package, or a copy thereof, is not kept and made available at the work site at all times, the work must be suspended.
11. **CONFLICTING ENCROACHMENTS:** Permittee must yield start of work to ongoing, prior authorized work adjacent to or within the limits of the Permittee's project site. When existing encroachments conflict with Permittee's work, the Permittee must bear all cost for rearrangements (e.g., relocation, alteration, removal, etc.).
12. **PERMITS FROM OTHER AGENCIES:** This encroachment permit is invalidated if the Permittee has not obtained all permits necessary and required by law, including but not limited to permits from the California Public Utilities Commission (CPUC), California Occupational Safety and Health Administration (Cal-OSHA), or any other public agency having jurisdiction. Permittee warrants all such permits have been obtained before beginning work under this encroachment permit.
13. **PEDESTRIAN AND BICYCLIST SAFETY:** A safe minimum continuous passageway of four (4) feet must be maintained through the work area at existing pedestrian or bicycle facilities. At no time must pedestrians be diverted onto a portion of the street used for vehicular traffic. At locations where safe alternate passageways cannot be provided, appropriate signs and barricades must be installed at the limits of construction and in advance of the limits of construction at the nearest

STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION
ENCROACHMENT PERMIT GENERAL PROVISIONS
TR-0045 (REV. 01/2020)

crosswalk or intersection to detour pedestrians to facilities across the street. Attention is directed to Section 7-1.04, Public Safety, of the Department's Standard Specifications.

14. **PUBLIC TRAFFIC CONTROL:** As required by law, the Permittee must provide traffic control protection, warning signs, lights, safety devices, etc., and take all other measures necessary for the traveling public's safety. While providing traffic control, the needs of all road users, including but not limited to motorists, bicyclists and pedestrians, including persons with disabilities in accordance with the Americans with Disabilities Act, must be an essential part of the work activity. Lane and/or shoulder closures must comply with the Department's Standard Specifications and Standard Plans for traffic control systems, and with the applicable Special Provisions. Where issues are not addressed in the Standard Specifications, Standard Plans, and/or Special Provisions, the California Manual on Uniform Traffic Control Devices (Part 6, Temporary Traffic Control) must be followed.
15. **MINIMUM INTERFERENCE WITH TRAFFIC:** Permittee must plan and conduct work so as to create the least possible inconvenience to the traveling public, such that traffic is not unreasonably delayed.
16. **STORAGE OF EQUIPMENT AND MATERIALS:** The storage of equipment or materials is not allowed within State highway right-of-way, unless specified within the Special Provisions of this encroachment permit. If encroachment permit Special Provisions allow for the storage of equipment or materials within the State highway right-of-way, the equipment and material storage must also comply with Section 7-1.04, Public Safety, of the Department's Standard Specifications.
17. **CARE OF DRAINAGE:** Permittee must provide alternate drainage for any work interfering with an existing drainage facility in compliance with the Department's Standard Specifications, Standard Plans, and/or as directed by the Department's representative.
18. **RESTORATION AND REPAIRS IN STATE HIGHWAY RIGHT-OF-WAY:** Permittee is responsible for restoration and repair of State highway right-of-way resulting from permitted work (Streets and Highways Code, section 670 et seq.).
19. **STATE HIGHWAY RIGHT-OF-WAY CLEAN UP:** Upon completion of work, Permittee must remove and dispose of all scraps, refuse, brush, timber, materials, etc. off the State highway right-of-way. The aesthetics of the highway must be as it was before work started or better.
20. **COST OF WORK:** Unless stated otherwise in the encroachment permit or a separate written agreement with the Department, the Permittee must bear all costs incurred for work within the State highway right-of-way and waives all claims for indemnification or contribution from the State, the Department, and from the Directors, officers, and employees of the State and/or the Department.
21. **ACTUAL COST BILLING:** When specified in the permit, the Department will bill the Permittee actual costs at the currently set Standard Hourly Rate for encroachment permits.
22. **AS-BUILT PLANS:** When required, Permittee must submit one (1) set of folded as-built plans within thirty (30) calendar days after completion and acceptance of work in compliance with requirements listed as follows:
 - a) Upon completion of the work provided herein, the Permittee must submit a paper set of As-Built plans to the Department's representative.
 - b) All changes in the work will be shown on the plans, as issued with the permit, including changes approved by Encroachment Permit Rider.
 - c) The plans are to be prominently stamped or otherwise noted "AS-BUILT" by the Permittee's representative who was responsible for overseeing the work. Any original plan that was approved with a Department stamp, or by signature of the Department's representative, must be used for producing the As-Built plans.
 - d) If construction plans include signing or striping, the dates of signing or striping removal, relocation, or installation must be shown on the As-Built plans when required as a condition of the encroachment permit. When the construction plans show signing and striping for staged construction on separate sheets, the sheet for each stage must show the removal, relocation, and installation dates of the appropriate staged striping and signing.
 - e) As-Built plans must contain the Encroachment Permit Number, County, Route, and Post Mile on each sheet.
 - f) The As-Built Plans must not include a disclaimer statement of any kind that differs from the obligations and protections provided by sections 6735 through 6735.6 of the California Business and Professions Code. Such statements constitute non-compliance with Encroachment Permit requirements and may result in the Department retaining Performance Bonds or deposits until proper plans are submitted. Failure to comply may also result in denial of future encroachment permits or a provision requiring a public agency to supply additional bonding.
23. **PERMITS FOR RECORD PURPOSES ONLY:** When work in the State highway right-of-way is within an area under a Joint Use Agreement (JUA) or a Consent to Common Use Agreement (CCUA), a fee exempt encroachment permit is issued to the Permittee for the purpose of providing a notice and record of work. The Permittee's prior rights must be preserved without the intention of creating new or different rights or obligations. "Notice and Record Purposes Only" must be stamped across the face of the encroachment permit.
24. **BONDING:** The Permittee must file bond(s), in advance, in the amount(s) set by the Department and using forms acceptable to the Department. The bonds must name the

Department as obligee. Failure to maintain bond(s) in full force and effect will result in the Department stopping all work under this encroachment permit and possibly revoking other encroachment permit(s). Bonds are not required of public corporations or privately-owned utilities unless Permittee failed to comply with the provisions and/or conditions of a prior encroachment permit. The surety company is responsible for any latent defects as provided in California Code of Civil Procedure section 337.15. A local public agency Permittee also must comply with the following requirements:

- a) In recognition that project construction work done on State property will not be directly funded and paid by State, for the purpose of protecting stop notice claimants and the interests of State relative to successful project completion, the local public agency Permittee agrees to require the construction contractor to furnish both a payment and performance bond in the local public agency's name with both bonds complying with the requirements set forth in Section 3-1.05 Contract Bonds of the Department's Standard Specifications before performing any project construction work.
 - b) The local public agency Permittee must defend, indemnify, and hold harmless the State and the Department, and the Directors, officers, and employees of the State and/or Department, from all project construction related claims by contractors, subcontractors, and suppliers, and from all stop notice and/or mechanic's lien claimants. The local public agency also agrees to remedy, in a timely manner and to the Department's satisfaction, any latent defects occurring as a result of the project construction work.
25. **FUTURE MOVING OF INSTALLATIONS:** Permittee understands and agrees to relocate a permitted installation upon notice by the Department. Unless under prior property right or agreement, the Permittee must comply with said notice at the Permittee's sole expense.

26. **ENVIRONMENTAL:**

- a) **ARCHAEOLOGICAL/HISTORICAL:** If any archaeological or historical resources are identified or encountered in the work vicinity, the Permittee must immediately stop work, notify the Department's representative, retain a qualified archaeologist who must evaluate the site at Permittee's expense, and make recommendations to the Department's representative regarding the continuance of work.
- b) **HAZARDOUS MATERIALS:** If any hazardous waste or materials (such as underground storage tanks, asbestos pipes, contaminated soil, etc.) are identified or encountered in the work vicinity, the Permittee must immediately stop work, notify the Department's representative, retain a qualified hazardous waste/material specialist who must evaluate the site at Permittee's expense, and make recommendations

to the Department's representative regarding the continuance of work.

Attention is directed to potential aerially deposited lead (ADL) presence in unpaved areas along highways. It is the Permittee's responsibility to take all appropriate measures to protect workers in conformance with California Code of Regulations Title 8, Section 1532.1, "Lead," and with Cal-OSHA Construction Safety Orders, and to ensure roadway soil management is in compliance with Department of Toxic Substances Control (DTSC) requirements.

27. **PREVAILING WAGES:** Work performed by or under an encroachment permit may require Permittee's contractors and subcontractors to pay appropriate prevailing wages as set by the California Department of Industrial Relations. Inquiries or requests for interpretations relative to enforcement of prevailing wage requirements must be directed to the California Department of Industrial Relations.

28. **LIABILITY, DEFENSE, AND INDEMNITY:** The Permittee agrees to indemnify and save harmless the State, the Department, and the Directors, officers, employees, agents and/or contractors of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors, from any and all claims, demands, damages, costs, liability, suits, or actions of every name, kind, and description, including but not limited to those brought for or on account of property damage, invasion of privacy, violation or deprivation of a right under a state or federal law, environmental damage or penalty, or injury to or death of any person including but not limited to members of the public, the Permittee, persons employed by the Permittee, and/or persons acting on behalf of the Permittee, arising out of or in connection with: (a) the issuance and/or use of this encroachment permit; and/or (b) the encroachment, work, and/or activity conducted pursuant to this encroachment permit, or under color of authority of this encroachment permit but not in full compliance with the Permit Conditions as defined in General Provision Number 5 ("Unauthorized Work or Activity"); and/or (c) the installation, placement, design, existence, operation, and/or maintenance of the encroachment, work, and/or activity; and/or (d) the failure by the Permittee or anyone acting on behalf of the Permittee to perform the Permittee's obligations under any part of the Permit Conditions as defined in General Provision Number 5, in respect to maintenance or any other obligation; and/or (e) any change to the Department's property or adjacent property, including but not limited to the features or conditions of either of them, made by the Permittee or anyone acting on behalf of the Permittee; and/or (f) a defect or obstruction related to or caused by the encroachment, work, and/or activity whether conducted in compliance with the Permit Conditions as defined in General Provision Number 5 or constituting Unauthorized Work or Activity, or from any cause whatsoever. The duty

of the Permittee to indemnify and save harmless includes the duties to defend as set forth in Section 2778 of the Civil Code.

It is the intent of the parties that except as prohibited by law, the Permittee will defend, indemnify, and hold harmless as set forth in this General Provision Number 28 regardless of the existence or degree of fault or negligence, whether active or passive, primary or secondary, on the part of: the State; the Department; the Directors, officers, employees, agents and/or contractors of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors; the Permittee; persons employed by the Permittee; and/or persons acting on behalf of the Permittee.

The Permittee waives any and all rights to any type of expressed or implied indemnity from or against the State, the Department, and the Directors, officers, employees, agents, and/or contractors of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors.

The Permittee understands and agrees to comply with the obligations of Titles II and III of the Americans with Disabilities Act in the conduct of the encroachment, work, and/or activity whether conducted pursuant to this encroachment permit or constituting Unauthorized Work or Activity, and further agrees to defend, indemnify, and save harmless the State, the Department, and the Directors, officers, employees, agents, and/or contractors of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors, from any and all claims, demands, damages, costs, penalties, liability, suits, or actions of every name, kind, and description arising out of or by virtue of the Americans with Disabilities Act.

The Permittee understands and agrees the Directors, officers, employees, agents, and/or contractors of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors, are not personally responsible for any liability arising from or by virtue of this encroachment permit.

For the purpose of this General Provision Number 28 and all paragraphs herein, "contractors of the State and/or of the Department" includes contractors and their subcontractors under contract to the State and/or the Department.

This General Provision Number 28 and all paragraphs herein take effect immediately upon issuance of this encroachment permit, and apply before, during, and after the encroachment, work, and/or activity contemplated under this encroachment permit, whether such work is in compliance with the Permit Conditions as defined in General Provision Number 5 or constitutes Unauthorized Work or Activity, except as otherwise provided by California law. The Permittee's obligations to defend, indemnify, and save harmless under this General Provision Number 28 take effect immediately upon

issuance of this encroachment permit and have no expiration date, including but not limited to situations in which this encroachment permit expires or is revoked, the work or activity performed under this encroachment permit is accepted or not accepted by the Department, the encroachment, work, and/or activity is conducted in compliance with the Permit Conditions as defined in General Provision Number 5 or constitutes Unauthorized Work or Activity, and/or no work or activity is undertaken by the Permittee or by others on the Permittee's behalf.

29. **NO PRECEDENT ESTABLISHED:** This encroachment permit is issued with the understanding that it does not establish a precedent.

30. **FEDERAL CIVIL RIGHTS REQUIREMENTS FOR PUBLIC ACCOMMODATION:**

a) As part of the consideration for being issued this encroachment permit, the Permittee, on behalf of Permittee and on behalf of Permittee's personal representatives, successors in interest, and assigns, does hereby covenant and agree that:

i) No person on the grounds of race, color, or national origin may be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities.

ii) That in connection with the construction of any improvements on said lands and the furnishings of services thereon, no discrimination must be practiced in the selection and retention of first-tier subcontractors in the selection of second-tier subcontractors.

iii) That such discrimination must not be practiced against the public in their access to and use of the facilities and services provided for public accommodations (such as eating, sleeping, rest, recreation), and operation on, over, or under the space of the State highway right-of-way.

iv) That the Permittee must use the premises in compliance with all other requirements imposed pursuant to Title 15, Code of Federal Regulations, Commerce and Foreign Trade, Subtitle A. Office of the Secretary of Commerce, Part 8 (15 C.F.R. Part 8) and as said Regulations may be amended.

b) That in the event of breach of any of the above nondiscrimination covenants, the State and the Department have the right to terminate this encroachment permit and to re-enter and repossess said land and the facilities thereon and hold the same as if said permit had never been made or issued.

31. **MAINTENANCE OF HIGHWAYS:** By accepting this encroachment permit, the Permittee agrees to properly maintain any encroachment. This assurance requires the Permittee to provide inspection and repair any damage, at Permittee's expense, to State facilities resulting from the encroachment.

32. **SPECIAL EVENTS:** In accordance with subdivision (a) of Streets and Highways Code section 682.5 and 682.7, the Department is not responsible for the conduct or operation of the permitted activity, and the applicant agrees to defend, indemnify, and hold harmless the State, the Department, and the Directors, officers, employees, agents, and contractors of the State and/or of the Department, including but not limited to the Director of Transportation and the Deputy Directors, from any and all claims, demands, damages, costs, liability, suits, or actions of every name, kind and description arising out of any activity for which this encroachment permit is issued. The Permittee is required, as a condition of this encroachment permit, for any event that awards prize compensation to competitors in gendered categories, for any participant level that receives prize compensation, to ensure the prize compensation for each gendered category is identical at each participant level. (Streets and Highways Code, section 682.7.)
The Permittee understands and agrees to comply with the obligations of Titles II and III of the Americans with Disabilities Act in the conduct of the event, and further agrees to defend, indemnify, and save harmless the State and the Department, and the Directors, officers, and employees of the State and/or Department, including but not limited to the Director of the Department and the Deputy Directors, from any and all claims, demands, damages, costs, liability, suits, or actions of every name, kind and description arising out of or by virtue of the Americans with Disabilities Act.
33. **PRIVATE USE OF STATE HIGHWAY RIGHT-OF-WAY:** State highway right-of-way must not be used for private purposes without compensation to the State. The gifting of public property uses and therefore public funds is prohibited under the California Constitution, Article XVI, Section 6.
34. **FIELD WORK REIMBURSEMENT:** Permittee must reimburse the Department for field work performed on Permittee's behalf to correct or remedy hazards or damaged facilities, or to clear refuse, debris, etc. not attended to by the Permittee.
35. **LANE CLOSURE REQUEST SUBMITTALS AND NOTIFICATION OF CLOSURES TO THE DEPARTMENT:** Attention is directed to Section 12-4.02A(3) Submittals, of the Department's Standard Specifications, for lane closure requests submittals requirements and schedules. The Permittee must notify the Department's representative and the Traffic Management Center (TMC) before initiating a lane closure or conducting an activity that may cause a traffic impact. In emergency situations when the corrective work or the emergency itself may affect traffic, the Department's representative and the TMC must be notified as soon as possible.
36. **SUSPENSION OF TRAFFIC CONTROL OPERATION:** The Permittee, upon notification by the Department's representative, must immediately suspend all lane closure operations and any operation that impedes the flow of traffic. All costs associated with this suspension must be borne by the Permittee.
37. **UNDERGROUND SERVICE ALERT (USA) NOTIFICATION:** Any excavation requires compliance with the provisions of Government Code section 4216 et seq., including but not limited to notice to a regional notification center, such as Underground Service Alert (USA). The Permittee must provide notification to the regional notification center at least forty-eight (48) hours before performing any excavation work within the State highway right-of-way.
38. **COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA):** All work within the State highway right-of-way to construct and/or maintain any public facility must be designed, maintained, and constructed strictly in accordance with all applicable Federal Access laws and regulations (including but not limited to Section 504 of the Rehabilitation Act of 1973, codified at 29 U.S.C. § 794), California Access laws and regulations relating to ADA, along with its implementing regulations, Title 28 of the Code of Federal Regulations Parts 35 and 36 (28 C.F.R., Ch. I, Part 35, § 35.101 et seq., and Part 36, § 36.101 et seq.), Title 36 of the Code of Federal Regulations Part 1191 (36 C.F.R., Ch. XI, Part 1191, § 1119.1 et seq.), Title 49 of the Code of Federal Regulations Part 37 (49 C.F.R., Ch. A, Part 37, § 37.1 et seq.), the United States Department of Justice Title II and Title III for the ADA, and California Government Code section 4450 et seq., which require public facilities be made accessible to persons with disabilities.
Notwithstanding the requirements of the previous paragraph, all construction, design, and maintenance of public facilities must also comply with the Department's Design Information Bulletin 82, "Pedestrian Accessibility Guidelines for Highway Projects."
39. **STORMWATER:** The Permittee is responsible for full compliance with the following:
- For all projects, the Department's Storm Water Program and the Department's National Pollutant Discharge Elimination System (NPDES) Permit requirements under Order No. 2012-0011-DWQ, NPDES No CAS000003; and
 - In addition, for projects disturbing one acre or more of soil, with the California Construction General Permit Order No. 2009-0009-DWQ, NPDES No CAS000002; and
 - In addition, for projects disturbing one acre or more of soil in the Lahontan Region with Order No. R6T-2016-0010, NPDES No CAG616002.
 - For all projects, it is the Permittee's responsibility to install, inspect, repair, and maintain all facilities and devices used for water pollution control practices (Best Management Practices/BMPs) before performing daily work activities.

COUNTY: _____ ROUTE: _____ TOTAL SHEETS: _____ SHEET NO.: _____
 PROJECT: _____
 DATE: _____
 DESIGNER: _____
 CHECKER: _____
 APPROVED: _____
 TITLE: _____
 LICENSE NO.: _____
 EXPIRES: _____
 REGISTERED CIVIL ENGINEER
 STATE OF CALIFORNIA
 MAY 31, 2018
 EXPIRES: _____
 REGISTERED CIVIL ENGINEER
 STATE OF CALIFORNIA
 MAY 31, 2018
 EXPIRES: _____

TABLE 1

TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING

SPEED (S)	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)		MAXIMUM CHANNELIZING DEVICE SPACING			
	TANGENT 2L	MERCING L	SHOULDER L/2	TAPER L/3	TANGENT X	CONFLICT Z
20	160	80	40	27	20	40
25	250	125	63	42	25	50
30	360	180	90	60	30	60
35	490	245	123	82	35	70
40	640	320	160	107	40	80
45	1080	540	270	180	45	90
50	1200	600	300	200	50	100
55	1320	660	330	220	50	100
60	1440	720	360	240	50	100
65	1560	780	390	260	50	100
70	1680	840	420	280	50	100
75	1800	900	450	300	50	100

* - For other offsets, use the following merging taper length formula for L:
 For speed of 40 mph or less, $L = W^2/60$
 For speed of 45 mph or more, $L = W^2$

where: L = taper length in feet

W = width of offset in feet

S = posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Use for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

TABLE 2

LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING

SPEED * mph	Min D ** ft	DOWNGRADE Min D *** ft		
		-3%	-6%	-9%
20	115	116	120	126
25	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785
70	730	771	825	891
75	820	866	927	1003

* - Speed is posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Longitudinal buffer space or flagger station spacing and longer than 1 mile.

*** - Use on sustained downgrade steeper than -3 percent

TABLE 3

ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS * ft		
	A	B	C
URBAN - 25 mph OR LESS	100	100	100
URBAN - MORE THAN 25 mph TO 40 mph	250	250	250
URBAN - MORE THAN 40 mph	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

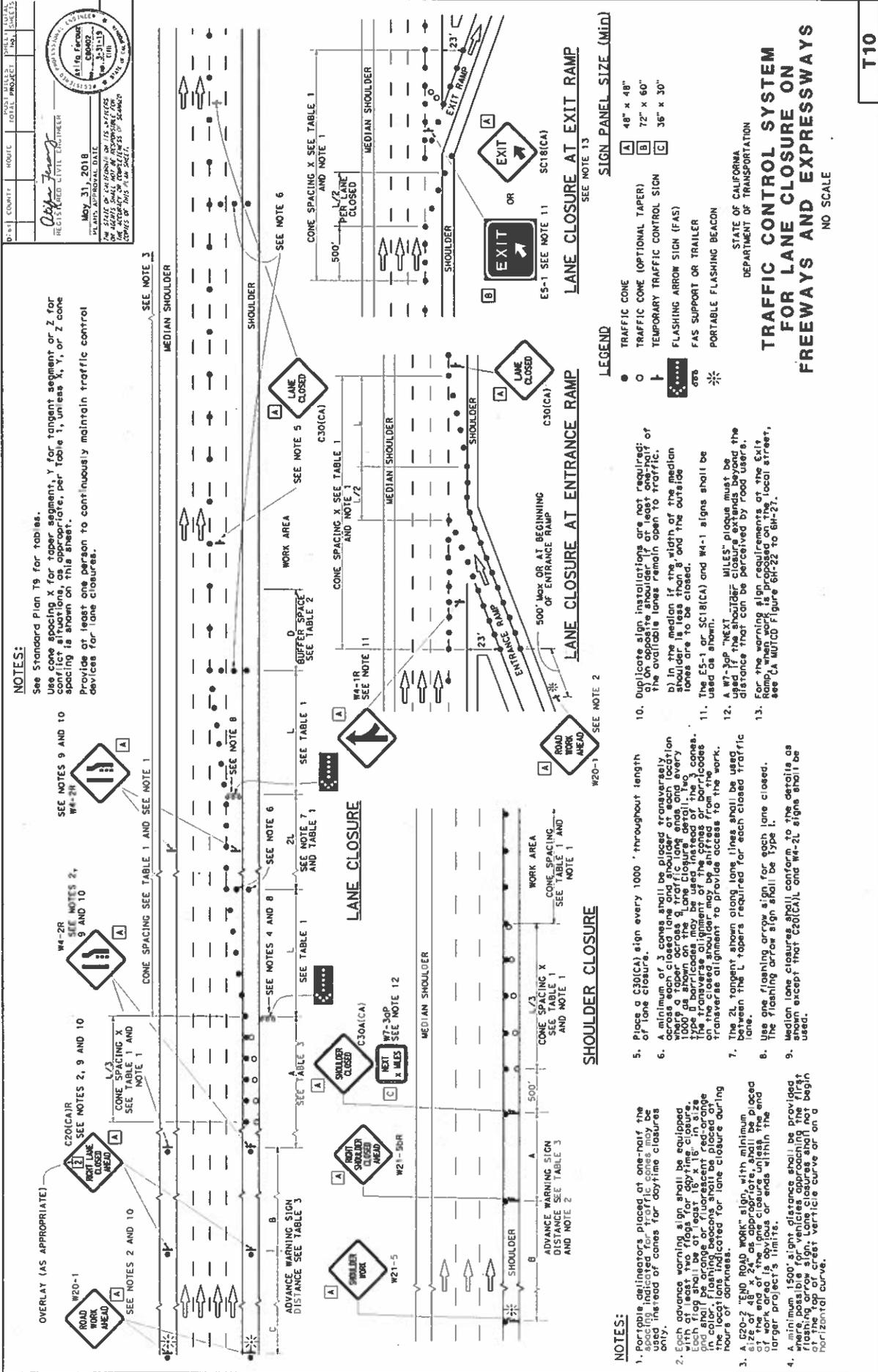
* - The distances are approximate, are intended for guidance purposes only, and should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommended distances.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM TABLES
FOR LANE AND RAMP CLOSURES**

NO SCALE

T9



NOTES:
 See Standard Plan T9 for tables.
 Use cone spacing X for taper segment, Y for tangent segment, or Z for cone conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.
 Provide at least one person to continuously maintain traffic control devices for lane closures.

NOTES:
 1. Portable signposts placed at one-half the distance of cones for daytime closures only.
 2. Each advance warning sign shall be equipped with at least two flags for daytime closure, and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the top or bottom of the sign during hours of darkness.
 3. A C30-2 "NO ROAD WORK" sign with minimum size of 48" x 24" as appropriate, shall be placed at the end of the lane closure, unless the end taper projects beyond the sign.
 4. Minimum 500' advance distance shall be provided for flashing arrow sign. Lane closures shall not begin on horizontal curve or on a

NOTES:
 5. Place a C30(CA) sign every 1000' throughout length of lane closure.
 6. A minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every type of barricade may be used instead of the cones. The transverse alignment of the cones or barricades on the closed shoulder shall not be shown on the work.
 7. The 2L tangent shown along lane lines shall be used for the L tapers required for each closed traffic lane.
 8. Use one flashing arrow sign for each lane closed.
 9. Median lane closures shall conform to the details as shown except that C30(CA) and W4-2L signs shall be used.

NOTES:
 10. Duplicate sign installations are not required if the available lanes remain open to traffic.
 a) In the median if the width of the median lanes are to be closed.
 b) The ES-1 or SC18(CA) and W4-1 signs shall be used as shown.
 11. A W7-30P "NEXT MILES" sign must be used if the shoulder closure extends beyond the distance that can be perceived by road users.
 12. For the warning sign requirements of the Exit Ramp Closure, see MUTCD Figure 6B-22 to 6B-23.

NOTES:
 1. PORTABLE SIGNPOSTS PLACED AT ONE-HALF THE DISTANCE OF CONES FOR DAYTIME CLOSURES ONLY.
 2. EACH ADVANCE WARNING SIGN SHALL BE EQUIPPED WITH AT LEAST TWO FLAGS FOR DAYTIME CLOSURE, AND SHALL BE ORANGE OR FLUORESCENT RED-ORANGE IN COLOR. FLASHING BEACONS SHALL BE PLACED AT THE TOP OR BOTTOM OF THE SIGN DURING HOURS OF DARKNESS.
 3. A C30-2 "NO ROAD WORK" SIGN WITH MINIMUM SIZE OF 48" X 24" AS APPROPRIATE, SHALL BE PLACED AT THE END OF THE LANE CLOSURE, UNLESS THE END TAPER PROJECTS BEYOND THE SIGN.
 4. MINIMUM 500' ADVANCE DISTANCE SHALL BE PROVIDED FOR FLASHING ARROW SIGN. LANE CLOSURES SHALL NOT BEGIN ON HORIZONTAL CURVE OR ON A

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TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON FREEWAYS AND EXPRESSWAYS
 NO SCALE

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

- LEGEND**
- TRAFFIC CONE
 - TRAFFIC CONE (OPTIONAL TAPER)
 - ⬇️ TEMPORARY TRAFFIC CONTROL SIGN
 - ⬆️ FLASHING ARROW SIGN (FAS)
 - ⚡ FAS SUPPORT OR TRAILER
 - ⚡ PORTABLE FLASHING BEACON

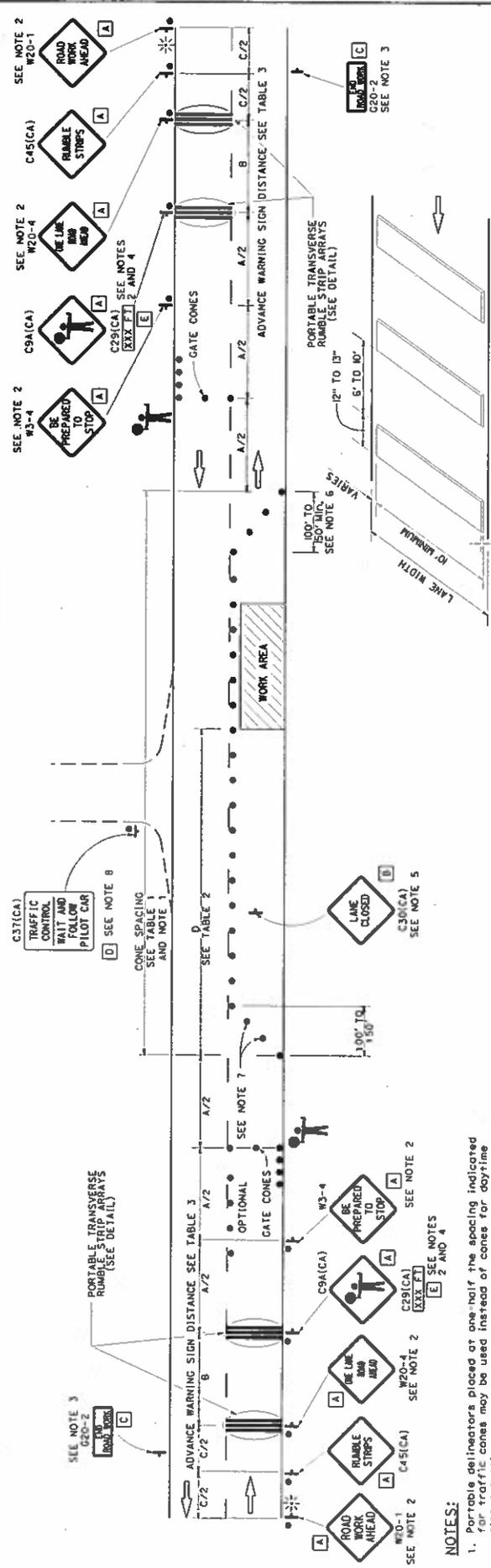
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 5. PLACE A C30(CA) SIGN EVERY 1000' THROUGHOUT LENGTH OF LANE CLOSURE.
 6. A MINIMUM OF 3 CONES SHALL BE PLACED TRANSVERSELY ACROSS EACH CLOSED LANE AND SHOULDER AT EACH LOCATION WHERE A TAPER ACROSS A TRAFFIC LANE ENDS AND EVERY TYPE OF BARRICADE MAY BE USED INSTEAD OF THE CONES. THE TRANSVERSE ALIGNMENT OF THE CONES OR BARRICADES ON THE CLOSED SHOULDER SHALL NOT BE SHOWN ON THE WORK.
 7. THE 2L TANGENT SHOWN ALONG LANE LINES SHALL BE USED FOR THE L TAPERS REQUIRED FOR EACH CLOSED TRAFFIC LANE.
 8. USE ONE FLASHING ARROW SIGN FOR EACH LANE CLOSED.
 9. MEDIAN LANE CLOSURES SHALL CONFORM TO THE DETAILS AS SHOWN EXCEPT THAT C30(CA) AND W4-2L SIGNS SHALL BE USED.
 10. DUPLICATE SIGN INSTALLATIONS ARE NOT REQUIRED IF THE AVAILABLE LANES REMAIN OPEN TO TRAFFIC.
 11. A W7-30P "NEXT MILES" SIGN MUST BE USED IF THE SHOULDER CLOSURE EXTENDS BEYOND THE DISTANCE THAT CAN BE PERCEIVED BY ROAD USERS.
 12. FOR THE WARNING SIGN REQUIREMENTS OF THE EXIT RAMP CLOSURE, SEE MUTCD FIGURE 6B-22 TO 6B-23.

- NOTES:**
1. PORTABLE SIGNPOSTS PLACED AT ONE-HALF THE DISTANCE OF CONES FOR DAYTIME CLOSURES ONLY.
 2. EACH ADVANCE WARNING SIGN SHALL BE EQUIPPED WITH AT LEAST TWO FLAGS FOR DAYTIME CLOSURE, AND SHALL BE ORANGE OR FLUORESCENT RED-ORANGE IN COLOR. FLASHING BEACONS SHALL BE PLACED AT THE TOP OR BOTTOM OF THE SIGN DURING HOURS OF DARKNESS.
 3. A C30-2 "NO ROAD WORK" SIGN WITH MINIMUM SIZE OF 48" X 24" AS APPROPRIATE, SHALL BE PLACED AT THE END OF THE LANE CLOSURE, UNLESS THE END TAPER PROJECTS BEYOND THE SIGN.
 4. MINIMUM 500' ADVANCE DISTANCE SHALL BE PROVIDED FOR FLASHING ARROW SIGN. LANE CLOSURES SHALL NOT BEGIN ON HORIZONTAL CURVE OR ON A
 5. PLACE A C30(CA) SIGN EVERY 1000' THROUGHOUT LENGTH OF LANE CLOSURE.
 6. A MINIMUM OF 3 CONES SHALL BE PLACED TRANSVERSELY ACROSS EACH CLOSED LANE AND SHOULDER AT EACH LOCATION WHERE A TAPER ACROSS A TRAFFIC LANE ENDS AND EVERY TYPE OF BARRICADE MAY BE USED INSTEAD OF THE CONES. THE TRANSVERSE ALIGNMENT OF THE CONES OR BARRICADES ON THE CLOSED SHOULDER SHALL NOT BE SHOWN ON THE WORK.
 7. THE 2L TANGENT SHOWN ALONG LANE LINES SHALL BE USED FOR THE L TAPERS REQUIRED FOR EACH CLOSED TRAFFIC LANE.
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 12. FOR THE WARNING SIGN REQUIREMENTS OF THE EXIT RAMP CLOSURE, SEE MUTCD FIGURE 6B-22 TO 6B-23.

T10

SHEET NO. 1001
 COUNTY: ROUTE: TOTAL SHEETS: 1001
 DATE: MAY 31, 2018
 REGISTERED CIVIL ENGINEER
 PROJECT NO. 1001
 PROJECT TITLE: TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL
 SCALE: AS SHOWN
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 APPROVED BY: [Signature]

TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL



LEGEND
 ● TRAFFIC CONE
 † TEMPORARY TRAFFIC CONTROL SIGN
 ✨ PORTABLE FLASHING BEACON
 [Stick Figure] FLAGGER

PORTABLE TRANSVERSE RUMBLE STRIP ARRAY DETAIL
 PORTABLE TRANSVERSE RUMBLE STRIP ARRAYS (SEE DETAIL)
 12" TO 15"
 6" TO 10"
 3/4" TO 3/4"
 LANE WIDTH
 10' MINIMUM

SIGN PANEL SIZE (Min)
 A 48" x 48"
 B 30" x 30"
 C 36" x 18"
 D 36" x 42"
 E 20" x 7"

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON TWO LANE CONVENTIONAL HIGHWAYS
 NO SCALE

T13

NOTES:
 See Standard Plan T9 for tables.
 Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.
 Provide at least one person to continuously maintain traffic control devices for lane closures.

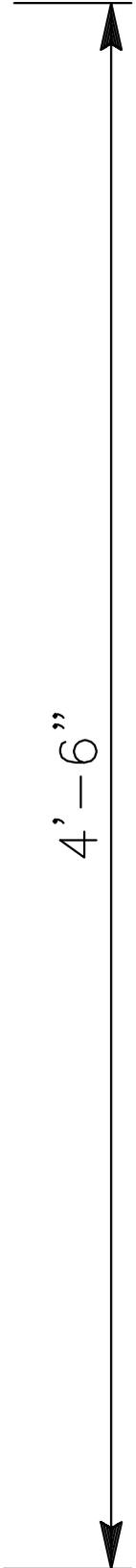
- NOTES:**
 1. Portable delineators placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.
 2. Each advance warning sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
 3. A C20-2 "END ROAD WORK" sign, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within the larger project's limits.
 4. An optional C29(CA) sign may be placed below the C9A(CA) sign.
 5. Place C30(CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work area. They are optional if the work area is visible from the flagger station.
 6. Length may be reduced by the Engineer to address site conditions.
 7. Either traffic cones or barricades shall be placed on the taper. Barricades shall be Type I, II, or III.
 8. When a pilot car is used, place a C37(CA) "TRAFFIC CONTROL - WAIT AND FOLLOW PILOT CAR" sign with black legend on white background at all intersections, driveways and alleys without a flagger within the traffic control area.

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APPENDIX C - EXAMPLE FUNDING SIGN



3'-0"



4'-6"

NOT TO SCALE

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GEOTECHNICAL REPORT

**PLACERVILLE STATION II – PARK AND BUS EXPANSION
PLACERVILLE, CALIFORNIA**

DRAFT

For

OMNI-MEANS, LTD.
943 Reserve Drive, Suite 100
Roseville, CA 95678



PARIKH CONSULTANTS, INC.

2360 Qume Drive, Suite A, San Jose, CA 95131
(408) 452-9000

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Structural Pavement Design



**GEOTECHNICAL INVESTIGATION REPORT
PLACERVILLE STATION II – PARK AND BUS EXPANSION
PLACERVILLE, CALIFORNIA**

1.0 INTRODUCTION

This report presents the results of our geotechnical engineering investigation for the proposed “Placerville Station II – Park and Bus Expansion” project in the City of Placerville, California. The work was performed in general accordance with the scope of work outlined in our proposal to Omni-Means, Ltd. (Designer). The general location of the site and its vicinity are shown on the Project Location Map, Plate 1.

The geotechnical recommendations presented in this report are intended for design input and are not intended to be used as specifications. In addition, the data provided in this report including these geotechnical recommendations should not be used for bidding purposes or directly for construction cost estimates. If the report is provided as a reference document, any interpretation of the data and recommendations should be sole responsibility of the user and PARIKH Consultants, Inc. (PARIKH) shall not be liable for any consequences.

2.0 PURPOSE AND SCOPE

The purpose of this investigation was to evaluate the general soil conditions at the project site, to evaluate their engineering properties, to provide recommendations from a geotechnical standpoint.

The scope of work performed for this investigation included obtaining representative soil samples and logging soil materials encountered in five soil borings, laboratory testing of the collected samples, engineering analysis of the field and laboratory data and preparation of this report. The basis for this investigation is a set of preliminary plans provided to us by Omni-Means Ltd.

Our recommendations in this report are based on the above information. Any major deviation should be reported to this office for consideration.



3.0 PROPOSED IMPROVEMENTS

According to the information provided by the designer, the proposed project generally consists of the following improvements:

- a) Addition of approximately 79 standard and compact vehicle parking stalls and two recreational vehicle (RV) parking stalls. Minor grading on the site will occur to redirect surface drainage flow.
- b) Improve intersection traffic flow and safety by on Mosquito Road, Locust Avenue, and the Westbound Highway 50 on-ramp and off-ramp.
- c) Reconstruction of the El Dorado Trail to provide safer and more direct access than that currently exists at Locust Avenue and Mosquito Road.

4.0 SITE CONDITIONS

The project site is approximately 1.8 acres in area. It is located at the northwest quadrant of the intersection between Mosquito Road and on-ramp and off-ramp of Route 50. The existing project site is flat and surfaced with street grindings from the Upper Main Street reconstruction project. It is currently used for construction equipment staging and overflow parking for the Phase I facility, as well as parking for El Dorado Trail users.

5.0 FIELD EXPLORATION AND LABORATORY TESTING

Based on the proposed improvements, five borings were drilled to a maximum depth of 5 feet below the existing ground surface. The locations of the soil borings are shown on the Site Plan, Plate 2.

The test borings were advanced with a truck-mounted drill rig using hollow stem augers. Selected samples were obtained from 2.5-inch I.D. (Modified California) samplers at various depths. The samplers were driven into subsurface soils under the impact of a 140-pound hammer having a free fall of 30 inches. The blow counts are presented on the "Log of Boring". (When correlating standard penetration data in similar soils, the blow



counts for the Modified California Sampler can be taken as roughly twice that for the Standard Penetration Test in similar soils). Bulk samples were collected from the soil cuttings from the upper 5 feet. The samples were sealed and transported to our laboratory for further evaluation and testing. The field investigation was conducted under the supervision of our field engineer who logged the test borings and prepared the samples for subsequent laboratory testing and evaluation.

Laboratory tests were performed on selected samples during field exploration to determine the physical and engineering properties of the subsoils. Laboratory data of moisture contents, dry density and Plasticity Indices are presented on the Log of Borings. The boring logs presented in Appendix A were prepared from the field logs which were edited after visual re-examination of the soil samples in the laboratory and results of classification tests on selected soil samples as indicated on the logs. The abrupt stratum changes shown on these logs may be gradual and relatively minor changes in soil types within a stratum may not be noted on the logs due to field limitations.

Due to limitations inherent in geotechnical investigations, it is neither uncommon to encounter unforeseen variations in the soil conditions during construction nor is it practical to determine all such variations during an acceptable program of drilling and sampling for a project of this scope. Such variations, when encountered, generally require additional engineering services to attain properly constructed project. We, therefore, recommend that a contingency fund be provided to accommodate any additional charges resulting from technical services that may be required during construction.

6.0 SUBSURFACE CONDITIONS

Based on the available boring information, the subsurface soil conditions at the project site generally consist of medium dense to dense sands and gravels, underlain by medium dense to dense gravels/very stiff to hard weathered shale.

Groundwater was not encountered during the field exploration. However, the groundwater level is anticipated to vary with the passage of time due to seasonal groundwater



fluctuation, surface and subsurface flows, locally perched water condition, ground surface run-off and other environmental factors that may not be present at the time of our investigation.

7.0 GEOLOGY

General geologic features pertaining to the site were evaluated by referring to the “Geologic Map of the Sacramento Quadrangle, California”, compiled by D.L. Wagner, C.W. Jennings, T.L. Bedrossian, and E.J. Bortugno, published in 1981. Based on the publication, the site is generally underlain by Calaveras Complex (Pzcc). A geologic map of the project vicinity is shown in Plate 3.

8.0 EARTHQUAKE CONSIDERATIONS

8.1 Seismic Sources

The project site is located in a seismically active part of northern California. Many faults in the vicinity of the project site may cause strong ground shaking at the site. Maximum credible earthquake magnitudes for some of the major faults in the area determined by Mualchin (1996) are summarized in Table 1 below. These maximum credible earthquake magnitudes represent the largest earthquakes that could occur on the given fault based on the current understanding of the regional tectonic structure.

TABLE 1: EATHQUAKE DATA

Fault	Distance from the Project Site (miles)	Maximum Credible Earthquake Magnitude
Forest Hill-Melones Fault	0.3	6.50
Gillis Mountain Fault	0.3	6.50
Melones Fault Zone	1.4	6.50

Active faults in the vicinity include the Forest Hill-Melones Fault, the Gillis Mountain Fault, and the Melones Fault Zone. .



8.2 Seismic Hazards

Potential seismic hazards may arise from three sources: surface fault rupture, ground shaking and liquefaction. Since no active faults pass through the site, the potential for fault rupture is relatively low. Based on available geological and seismic data, the possibility of the site to experience strong ground shaking may be considered moderate to high.

For the proposed improvements (parking lot), liquefaction study was not “considered to be” a requirement and therefore not investigated.

9.0 FINDINGS AND RECOMMENDATIONS

9.1 General

This report was prepared specifically for the proposed project according to the plans provided to us. Normal construction procedures were assumed throughout our analyses and represent one of the bases of recommendations presented herein. Our design criteria have been based upon the existing materials and conditions encountered in the soil borings at the project site. Therefore, we should be notified in the event that these conditions are changed, so as to modify or amend our recommendations.

9.2 Earthwork and Grading

Based on the “Concept Grading Plan”, the topography of the proposed parking lot will be slightly modified by performing minor re-grading.

Engineering Fill.

No new fill is expected for the proposed improvement. However, if any fill is planned, areas to receive engineered fill should be excavated to remove any loose/soft soil materials. The resulting surface upon which fill is to be placed should be observed by the Geotechnical Engineer. Areas receiving fill should be scarified, moisture conditioned and compacted in accordance with Caltrans



standard specifications.

In general, engineered fill imported to the site should be relatively non-expansive granular material having a Plasticity Index (P.I.) less than 15, a minimum Sand Equivalent of 10, and should be reviewed by the engineer. In addition, we recommend that the material within 4.0 feet of the proposed pavement subgrade have a minimum R-value of 25. The on-site soils, if free of organic or other deleterious material, may be used as engineered fill provided they meet the above criteria (P.I. and Sand Equivalent).

9.3 Structural Pavement Sections

Five soil borings were conducted within the project site. Bulk samples were collected from the soil cuttings of these five soil borings. R-value tests were conducted on representative samples collected from the project site to determine the design R-value. The test results are summarized in Table 2.

TABLE 2: SUMMARY OF R-VALUE TEST RESULTS

Test Boring	R-value
B-1	60
B-2	68
B-4	63

Findings, Design Approach and Recommendations:

- As shown in Table 2 “Summary of R-value Test Results”, the R-values of the soil samples from the project site mainly ranged from 60 to 68. An R-Value of 25 is assumed for native soil materials and imported soil materials in the design of structural pavement sections;
- The design is according to Caltrans Highway Design Manual, using HMA (Type A or Type B) and Aggregate Base (Class 2);
- Fill material placed within 4 feet of the finish pavement subgrade should have a minimum R-value of 25.
- The recommended minimum R-value for Class 2 Aggregate Base (AB) is 78.



The following tables are the recommended pavement sections for the “Parking Lot” and “Street” based on the above R-Value and design Traffic Indices provided by the designer.

TABLE 3A: RECOMMENDED STRUCTURAL PAVEMENT SECTIONS (PARKING LOT)

Traffic Index	Recommended Structural Pavement Section	
	HMA (Type A or B) (ft)	Aggregate Base (Class 2) (ft)
5.0	0.25	0.55
5.5	0.25	0.70
6.0	0.25	0.80
6.5	0.25	0.95
7.0	0.25	1.05
7.5	0.25	1.20
8.0	0.25	1.30

TABLE 3B: RECOMMENDED STRUCTURAL PAVEMENT SECTIONS (STREET)

Traffic Index	Recommended Structural Pavement Section		
	HMA (Type A or B)	Aggregate Base (Class 2) (ft)	Full Depth HMA (Type A or B) (ft)
5.0	0.25	0.55	0.55
6.0	0.30	0.70	0.65
7.0	0.35	0.90	0.75
8.0	0.40	1.05	0.90
9.0	0.45	1.20	1.00
10.0	0.50	1.40	1.10

HMA (A or B): Hot Mix Asphalt (Type A or Type B);
 AB (Class 2): Aggregate Base (Class 2)

Hot Mix Asphalt (HMA) and Aggregate Base (Class 2 AB) should conform to the Caltrans standard specifications in Section 39 and 26, respectively. Pavement subgrade and structural sections should be prepared and compacted in accordance with the project specification and Caltrans standard.



Aggregate Base: Aggregate Base (Class 2) shall conform to the grading specified in the table below for the special provisions. It shall also be clean and free from organic matter and other deleterious substances. The percentage composition by weight of Class 2 aggregate base shall conform to the following grading as determined by California Test Method No. 202.

Gradation Requirement (Percent Passing ¾" Maximum)

Sieve Sizes	Operating Range	Contract Compliance
1"	100	100
¾"	90 – 100	87 – 100
No. 4	35 – 60	30 – 65
No. 30	10 – 30	5 – 35
No. 200	2 – 11	0 – 14

Gradation Requirement (Percent Passing 1 ½" Maximum)

Sieve Sizes	Operating Range	Contract Compliance
2"	100	100
1 ½"	90 – 100	87 – 100
1"	-----	-----
¾"	50 – 85	45 – 90
No. 4	24 – 45	20 – 50
No. 30	10 – 25	6 – 29
No. 200	2 – 11	0 – 14

Aggregate Base (Class 2) shall also conform to the quality requirements given on the following table:

Quality Requirements

California Test Method	Operating Range	Contract Compliance
Sand Equivalent (217)	25 min	22 Min.
Resistance (R-value) (301)	-	78 Min.
Durability Index	-	35 Min.

9.4 Plan Review

We recommend that final plans for the proposed improvements be reviewed



by PARIKH prior to construction so that the intent of our recommendations is included in the project plans and specifications and to further see that no misunderstandings or misinterpretations have occurred.

9.5 Construction Observation

To a degree, the performance of any structure is dependent upon construction procedures and quality. Hence, observation of pavement construction should be carried out by PARIKH or regulatory agencies. If the subsurface conditions different from those forming the basis of our recommendations are encountered, this office should be informed in order to assess the need for design changes. Therefore, the recommendations presented in this report are contingent upon good quality control and these geotechnical observations during construction.

10. INVESTIGATION LIMITATIONS

Our services consist of professional opinions and recommendations made in accordance with generally accepted geotechnical engineering principles and practices and are based on our site reconnaissance and the assumption that the subsurface conditions do not deviate from observed conditions. All work done is in accordance with generally accepted geotechnical engineering principles and practices. No warranty, expressed or implied, of merchantability or fitness, is made or intended in connection with our work or by the furnishing of oral or written reports or findings. The scope of our services did not include any environmental assessment or investigation for the presence or absence of hazardous or toxic materials in structures, soil, surface water, groundwater or air, below or around this site. Unanticipated soil conditions are commonly encountered and cannot be fully determined by taking soil samples and excavating test borings; different soil conditions may require that additional expenditures be made during construction to attain a properly constructed project. Some contingency fund is thus recommended to accommodate these possible extra costs.

This report has been prepared for the proposed project as described earlier, to assist the

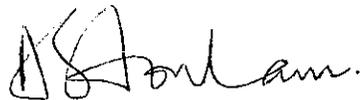


engineer in the design of this project. In the event any changes in the design or location of the facilities are planned, or if any variations or undesirable conditions are encountered during construction, our conclusions and recommendations shall not be considered valid unless the changes or variations are reviewed and our recommendations modified or approved by us in writing.

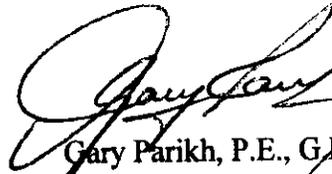
This report is issued with the understanding that it is the designer's responsibility to ensure that the information and recommendations contained herein are incorporated into the project and that necessary steps are also taken to see that the recommendations are carried out in the field.

The findings in this report are valid as of the present date. However, changes in the subsurface conditions can occur with the passage of time, whether they are due to natural processes or to the works of man, on this or adjacent properties. In addition, changes in applicable or appropriate standards occur, whether they result from legislation or from the broadening of knowledge. Accordingly, the findings in this report might be invalidated, wholly or partially, by changes outside of our control.

Respectfully submitted,
PARIKH CONSULTANTS, INC.



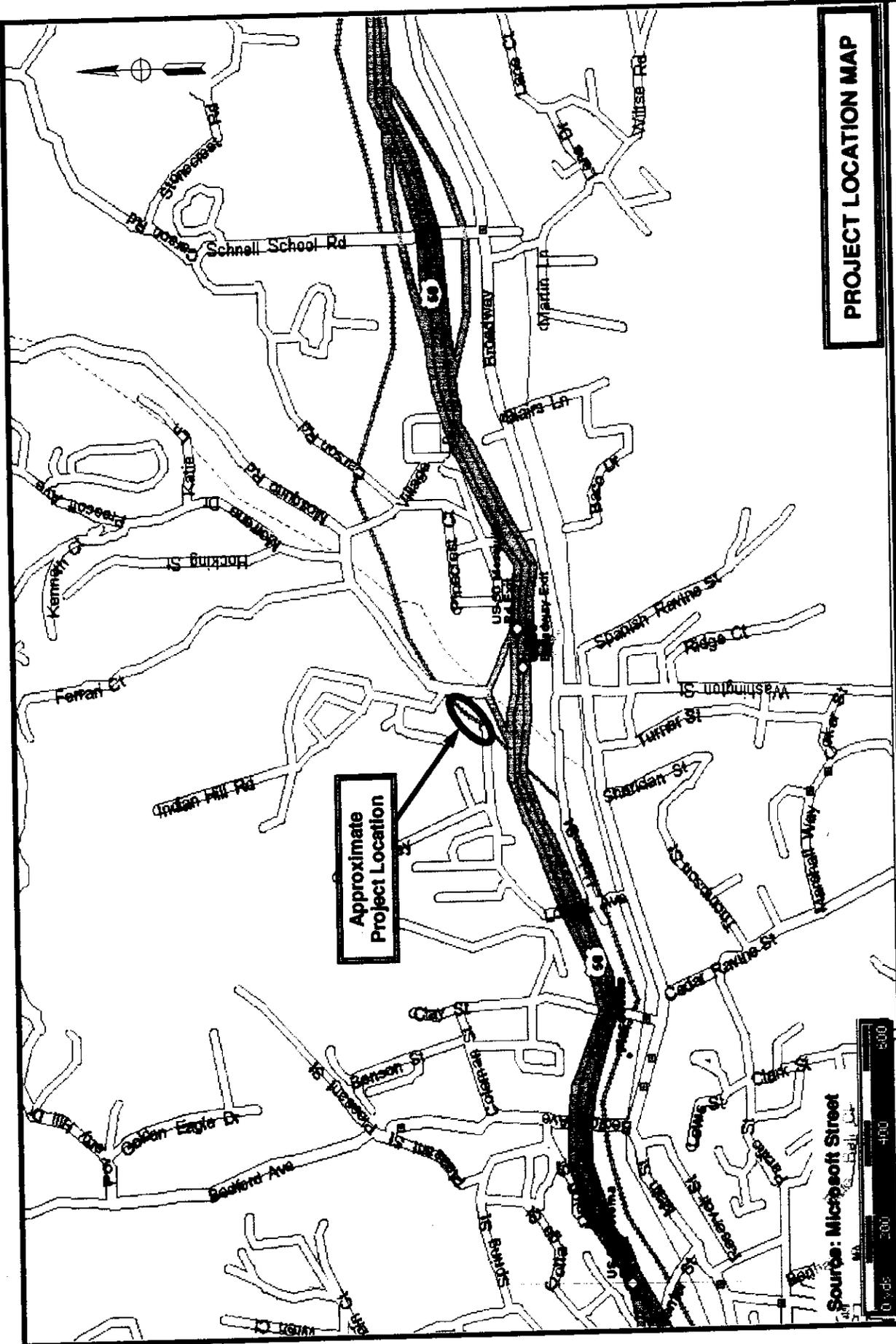
Alston Lam, P.E., G.E. 2605
Project Engineer



Gary Parikh, P.E., G.E. 666
Project Manager

S:\Ongoing Projects\2010\21012410\Placerville Station II Geotechnical Report





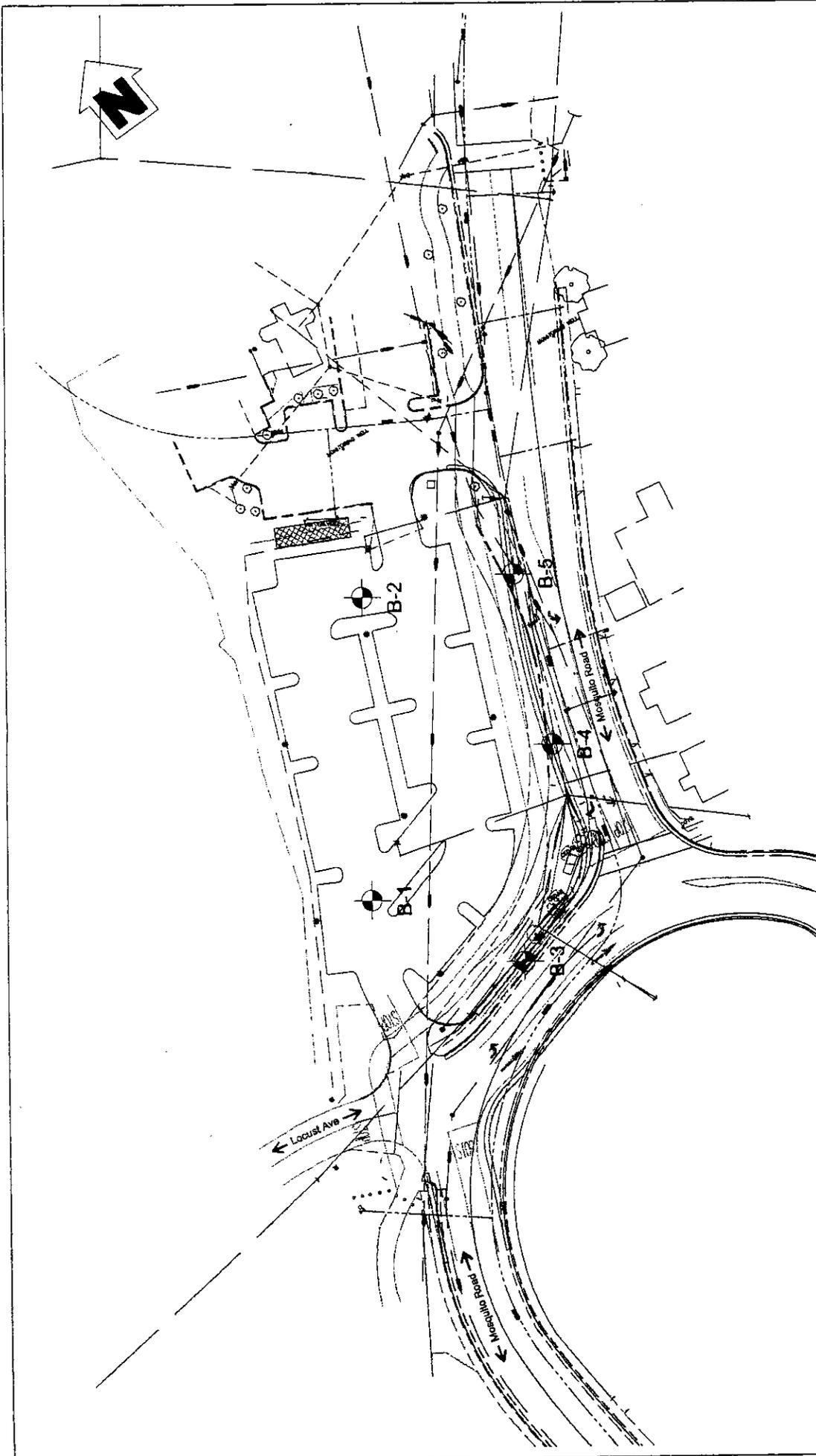
PROJECT LOCATION MAP

PLACERVILLE STATION II - PARK AND BUS EXPANSION
 PLACERVILLE, CALIFORNIA

PARIKH CONSULTANTS, INC.
 GEOTECHNICAL CONSULTANTS
 MATERIALS TESTING



JOB NO.: 210124.10 PLATE NO.: 1

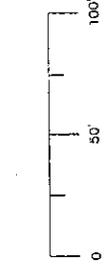


SITE PLAN

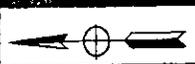
PLACERVILLE STATION II - PARK AND BUS EXPANSION
 PLACERVILLE, CALIFORNIA
 JOB NO. 210124.10 PLATE NO. 2

PARIKH CONSULTANTS, INC.
 GEOTECHNICAL CONSULTANTS
 MATERIALS ENGINEERING

SCALE 1 inch = 50 feet
 Note: All units are in feet unless otherwise specified
 Reference Map was provided by Omnit-means, Ltd.



- LEGEND**
- Approximate Boring Location
 - B-1



Approximate
Project Location

Legend:
 Tg - "Auriferous" Gravels
 tn - Nortonville Shale (Marine)
 Pzcc - Calaveras Complex
 (Metasedimentary Rocks)
 Tm - Mehrten Formation (Andesitic conglomerate,
 sandstone, and breccia)

Source: Geologic Map of the Sacramento Quadrangle, California,
 compiled D.L.Wagner, C.W.Jennings, T.L.Bedrossian, and E.J.Bortugno
 published 1961.

GEOLOGIC MAP

PLACERVILLE STATION II - PARK AND BUS EXPANSION
 PLACERVILLE, CALIFORNIA

JOB NO.: 210124.10 PLATE NO.: 3

PARIKH CONSULTANTS, INC.
 GEOTECHNICAL CONSULTANTS
 MATERIALS TESTING





APPENDIX A FIELD EXPLORATION

The test borings were advanced with truck-mounted drill rig with 8-inch diameter hollow-stem auger drilling method. The soil samples were obtained from the borings during drilling at various depths by driving a 2.5-inch Inside Diameter (I. D.) Modified California Sampler or a 1.375-inch I.D. Standard Penetration Sampler (ASTM Test Method No. 1586). The sampler was driven into the subsurface soils under the impact of a 140-pound hammer having a free fall of 30 inches. The blow counts required to drive the sampler for the last 12 inches are presented on the Logs of Test Borings (LOTB), Appendix A. When correlating standard penetration data in similar soils, the blow counts for the Modified California sampler can be taken as roughly twice that for the Standard Penetration Test sampler in similar soils. Pocket penetration tests were also performed on clay samples to evaluate their consistency. Upon completion of drilling, the drillhole was backfilled with cement grout.

The borings were drilled under the technical supervision of our engineer, who visually classified in the field (according to the Unified Soil Classification System) and continuously logged the soils encountered during drilling. The engineer supervised the collection of soil samples at various depths for visual examination and laboratory testing. The soil samples were then transported to our laboratory for further evaluation and testing.

The descriptions of the soils encountered and relevant boring information are presented on the boring logs in the Log of Borings in Appendix A. The laboratory test methods and results are presented in Appendix B. The logs presented in Appendix A were prepared from the field logs which were edited after visual re-examination of the soil samples in the laboratory and results of classification tests on selected soil samples as indicated on the logs.

The descriptions and related information presented on the Log of Borings depict subsurface conditions only at the locations indicated on the plan and on the particular date noted on the logs. Because of the variability from place to place within soil/rock in general, subsurface conditions at other locations may differ from conditions occurring at the locations explored. The abrupt stratum changes shown on the logs may be gradational and relatively minor changes in soil types within a stratum may not be noted on the logs due to field limitations. Also, the passage of time may result in a change in the soil conditions at these locations due to environmental changes.

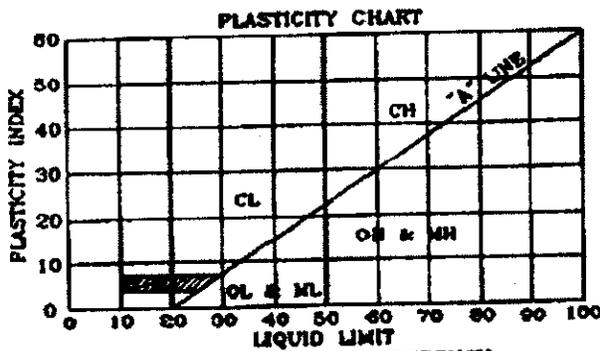


UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			GROUP SYMBOLS	ILLUSTRATIVE GROUP NAMES	
COARSE-GRAINED SOILS <small>More than 50% retained on No. 200 sieve</small>	GRAVELS <small>More than 50% of coarse fraction retained on No. 4 sieve</small>	CLEAN GRAVELS <small>Less than 5% fines</small>	GW	Well graded gravel, Well graded gravel with sand	
		GRAVELS WITH FINES <small>More than 5% fines</small>	GP	Poorly graded gravel, Poorly graded gravel with sand	
		CLEAN SANDS <small>Less than 5% fines</small>	GM	Silty gravel, Silty gravel with sand	
		SANDS WITH FINES <small>More than 5% fines</small>	GC	Clayey gravel, Clayey gravel with sand	
	SANDS <small>50% or more of coarse fraction passing No. 4 sieve</small>	CLEAN SANDS <small>Less than 5% fines</small>	SW	Well graded sand, Well graded sand with gravel	
		SANDS WITH FINES <small>More than 5% fines</small>	SP	Poorly graded sand, Poorly graded sand with gravel	
		SANDS WITH FINES <small>More than 12% fines</small>	SM	Silty sand, Silty sand with gravel	
		SANDS WITH FINES <small>More than 12% fines</small>	SC	Clayey sand, Clayey sand with gravel	
		SILTS AND CLAYS <small>Liquid Limit less than 50%</small>		ML	Silt, Sandy silt with gravel
		SILTS AND CLAYS <small>Liquid Limit more than 50%</small>		CL	Lean clay, Sandy lean clay with gravel
SILTS AND CLAYS <small>Liquid Limit less than 50%</small>		OL	Organic clay, Sandy organic clay with gravel		
SILTS AND CLAYS <small>Liquid Limit more than 50%</small>		MH	Elastic silt, Sandy elastic silt with gravel		
SILTS AND CLAYS <small>Liquid Limit more than 50%</small>		CH	Fat clay, Sandy fat clay with gravel		
SILTS AND CLAYS <small>Liquid Limit more than 50%</small>		OH	Organic clay, Sandy organic clay with gravel		
HIGHLY ORGANIC			PT	Peat, Highly organic silt	

NOTE: 1. Coarse-grained soils receive dual symbols if: (a) their fines are CL-ML (e.g. SC-SM or GC-GM) or (b) they contain 5-12% fines (e.g. SW-SM, GP-GC, etc.). Fine-grained soils receive dual symbols if their limits plot in the hatched zone of the Plasticity Chart (CL-ML).

2. The table lists 30 out of a possible 110 Group Names, all of which are assigned to unique proportions of the constituent soils. Flow charts in ASTM D 2487-93 aid assignment of the Group Names.



GRAIN SIZE CLASSIFICATION

CLASSIFICATION	US STANDARD SIEVE SIZE
BOULDER	Above 12"
COBBLES	12" to 3"
GRAVEL Coarse Fine	3" to 3/4" 3/4" to No. 4
SAND Coarse Medium Fine	No. 4 to No. 10 No. 10 to No. 40 No. 40 to No. 200
SILT & CLAY	Below No. 200

COHESIVE SOIL CONSISTENCY

CLASSIFICATION	UNCONFINED COMP. STRENGTH (psf)
Very Soft	< 500
Soft	500 - 1000
Medium(Firm)	1000 - 2000
Stiff	2000 - 4000
Very Stiff	4000 - 8000
Hard	> 8000

COHESIONLESS SOIL RELATIVE DENSITY

CLASSIFICATION	SPT BLOW COUNTS (Blows/ft)
Very Loose	< 4
Loose	5 to 10
Medium Dense	11 to 30
Dense	31 to 50
Very Dense	> 50



PARIKH CONSULTANTS, INC.
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PLACERVILLE STATION II - PARK AND BUS EXPANSION
 PLACERVILLE, CALIFORNIA

JOB NO.: 210124.10

PLATE NO.: A-1A

Boring Location, Elevation & Date Drilled:						Drilling Method:		BORING NUMBER	
								LEGEND	
Sample Type & No.	Dry Density (pcf)	Water Content (%)	Blows Per Foot	Compress. Strength (tsf)	Depth (ft) Soil Graph & U.S.C.S.	Sampling Method:			
						Sheet 1 of 1			
					0				
							Compressive strength as measured by Pocket Penetrometer, in tsf.	→	pp=1.0tsf
C-1			22			←	2 inch I.D. California Sampler (C).		
MC-2	110	12	23	1.2	5	←	2-1/2 inch I.D. Modified California Sampler (MC).		
SH-3	98	28	100 psi	0.8		←	3.5-inch I.D. Pitcher Tube Sampler (Cored).		
					10				
SPT-4	-	10	35	-		←	1-3/8 inch I.D. Standard Splitspoon Sampler (SPT).		
HS-5	95	20		0.7	15	←	1.9 inch I.D. Hand Sampler driven with a slide hammer.		
							Groundwater level first encountered during drilling		
					20		Groundwater level at completion of boring		
							Bulk sample stored in plastic bag.		
BULK-6	-	12							
							Liquid Limit (LL), in percent	→	LL=30
							Plasticity Index (PI), in percent		PI=10
					25	←	NX Core.		
							Consolidation Test		CN
							Percent gravel and coarser in sample, (+#4)	→	+ #4=20%
							Percent fines (silt/clay) in sample, (-#200)		- #200=50%
							Triaxial Test		TX
					30				

LEGEND FOR LOG OF BORING



PLACERVILLE STATION II - PARK AND BUS EXPANSION
PLACERVILLE, CALIFORNIA

Date: 8/2010 Job No.: 210124.10

This log is part of the report prepared by Parikh Consultants, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

Plate:
A-1B

LEGEND, LEGEND.GPJ 8-10-10

Boring Location, Elevation & Date Drilled: See site plan; Elev. approx. ft.; drilled on 6-14-10					Drilling Method: 8-inch dia. HOLLOW STEM B-53		BORING NUMBER B-1	
Sample Type & No.	Dry Density (pcf)	Water Content (%)	Blows Per Foot	Compress. Strength (tsf)	Depth (ft) Soil Graph & U.S.C.S.	Sampling Method: 2 1/2" I.D. Mod. Cal. (MC)/2" I.D. Cal. (C)/1 3/8" I.D. Std. Pen., 140 lbs hammer, 30 inch drop.		Sheet 1 of 1
					0	SP	SAND with GRAVEL, medium dense, moist, orange brown	
							weathered SHALE (MSH) slightly hydrothermally altered, hard, moist, mottled, orange gray	
1			27				META SHALE (MSH) hydrothermally altered, moderately weathered, hard, moist, mottled orange gray	
2			51-5.5		5			LL=33, PI=6
							No groundwater was encountered during drilling	
					10			
					15			
					20			
					25			
					30			
LOG OF BORING						PLACERVILLE STATION II - PARK AND BUS EXPANSION PLACERVILLE, CALIFORNIA		
 PARIKH CONSULTANTS, INC. <i>Geotechnical & Materials Engineering</i>						Date: 06/28/10		Job No.: 210124.10
This log is part of the report prepared by Parikh Consultants, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.								Plate: A-2

LB 210124.10.GPJ 6-10-10

Boring Location, Elevation & Date Drilled: See site plan; Elev. approx. ft.; drilled on 6-14-10					Drilling Method: 8-inch dia. HOLLOWSTEM B-53		BORING NUMBER B-2	
Sample Type & No.	Dry Density (pcf)	Water Content (%)	Blows Per Foot	Compress. Strength (tsf)	Depth (ft) Soil Graph & U.S.C.S.	Sampling Method: 2 1/2" I.D. Mod. Cal. (MC)/2" I.D. Cal. (C)/1 3/8" I.D. Std. Pen., 140 lbs hammer, 30 inch drop.		Sheet 1 of 1
					0	GP	GRAVEL, poorly sorted from metashale weathering, loose, moist, mottled, dark brown	
1			15					
					5		weathered SHALE (MSH) hard, moist, mottled, dark brown	
2			96					
							No groundwater was encountered during drilling	
					10			
					15			
					20			
					25			
					30			
LOG OF BORING					PLACERVILLE STATION II - PARK AND BUS EXPANSION PLACERVILLE, CALIFORNIA			
 PARIKH CONSULTANTS, INC. <i>Geotechnical & Materials Engineering</i>					Date: 06/28/10		Job No.: 210124.10	
					This log is part of the report prepared by Parikh Consultants, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.			

LB 210124.10.GPJ 8-10-10

Boring Location, Elevation & Date Drilled: See site plan; Elev. approx. ft.; drilled on 8-14-10					Drilling Method: 8-inch dia. HOLLOW STEM B-53		BORING NUMBER B-3	
Sample Type & No.	Dry Density (pcf)	Water Content (%)	Blows Per Foot	Compress. Strength (tsf)	Depth (ft) Soil Graph & U.S.C.S.	Sampling Method: 2 1/2" I.D. Mod. Cal. (MC)/2" I.D. Cal. (C)/1 3/8" I.D. Std. Pen., 140 lbs hammer, 30 inch drop.		Sheet 1 of 1
					0	SP	SAND, poorly sorted with gravel, loose, dry, orange brown	
							meta SHALE (MSH) medium dense, moist, mottled reddish brown	
1			31					
					5		GRAVEL poorly sorted from metashale, medium dense, moist, mottled orange and gray	
2			39					
							No groundwater was encountered during drilling	
					10			
					15			
					20			
					25			
					30			

LOG OF BORING

PLACERVILLE STATION II - PARK AND BUS EXPANSION
PLACERVILLE, CALIFORNIA



PARIKH CONSULTANTS, INC.
Geotechnical & Materials Engineering

Date: 06/28/10

Job No.: 210124.10

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Plate:

A-4

LB 210124.10.GPJ 8-10-10

Boring Location, Elevation & Date Drilled: See site plan; Elev. approx. ft.; drilled on 6-14-10					Drilling Method: 8-inch dia. HOLLOW STEM B-53		BORING NUMBER B-5	
Sample Type & No.	Dry Density (pcf)	Water Content (%)	Blows Per Foot	Compress. Strength (tsf)	Depth (ft) Soil Graph & U.S.C.S.	Sampling Method: 2 1/2" I.D. Mod. Cal. (MC)/2" I.D. Cal. (C)/1 3/8" I.D. Std. Pen., 140 lbs hammer, 30 inch drop.		Sheet 1 of 1
					0	GP	GRAVEL poorly sorted, medium dense, moist, orange brown	
						GP	GRAVEL poorly sorted from weathered meta shale, dense, moist, mottled dark gray and reddish brown	
1			68					
					5	SC	CLAYEY SAND with GRAVEL, loose, moist, reddish brown	
2			19					
							No groundwater was encountered during drilling	
					10			
					15			
					20			
					25			
					30			

LOG OF BORING

PLACERVILLE STATION II - PARK AND BUS EXPANSION
PLACERVILLE, CALIFORNIA



PARIKH CONSULTANTS, INC.
Geotechnical & Materials Engineering

Date: 06/28/10

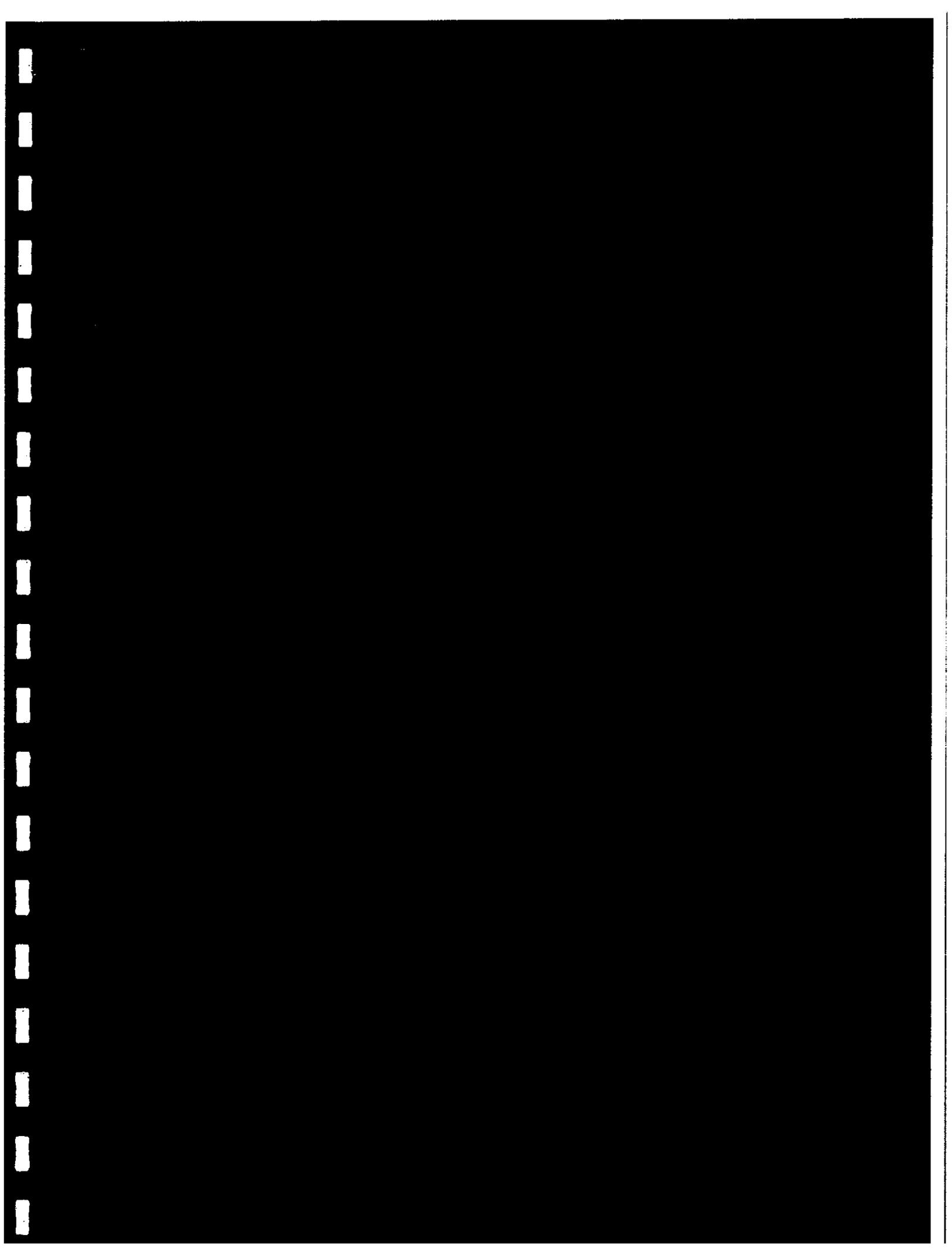
Job No.: 210124.10

This log is part of the report prepared by Parikh Consultants, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

Plate:

A-6

LB 210124.10.GPJ B-10-10



APPENDIX B

LABORATORY TESTS

Atterberg Limits

The Atterberg Limits were determined for selected sample of the fine-grained materials. The result was used to classify the soils, as well as to obtain an indication of the expansion potential with variations in moisture content. The Atterberg Limits were determined in general accordance with ASTM Test Method D 4318-00. The result of the test is presented on Plate B-2, "Plasticity Chart".

R-value Test

R-value tests were performed on bulk samples for pavement design. The tests were performed according to California Test Method 301. The test results are presented on Plates B-3A through B-3C.



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MATERIALS TESTING

PLACERVILLE STATION II – PARK AND BUS EXPANSION
PLACERVILLE, CALIFORNIA

JOB NO.: 210124.10

PLATE NO.: B-1



R-VALUE REPORT

Parikh Consultants, Inc.

ASTM D2844 or CTM 301

(408) 452-9000

Project Name: Placerville Station II – Bus and Park Expansion

Date: 6/28/10

Client: Omni Means

Project #: 210124.10

Sample #: B-1 Depth: 0'-5'

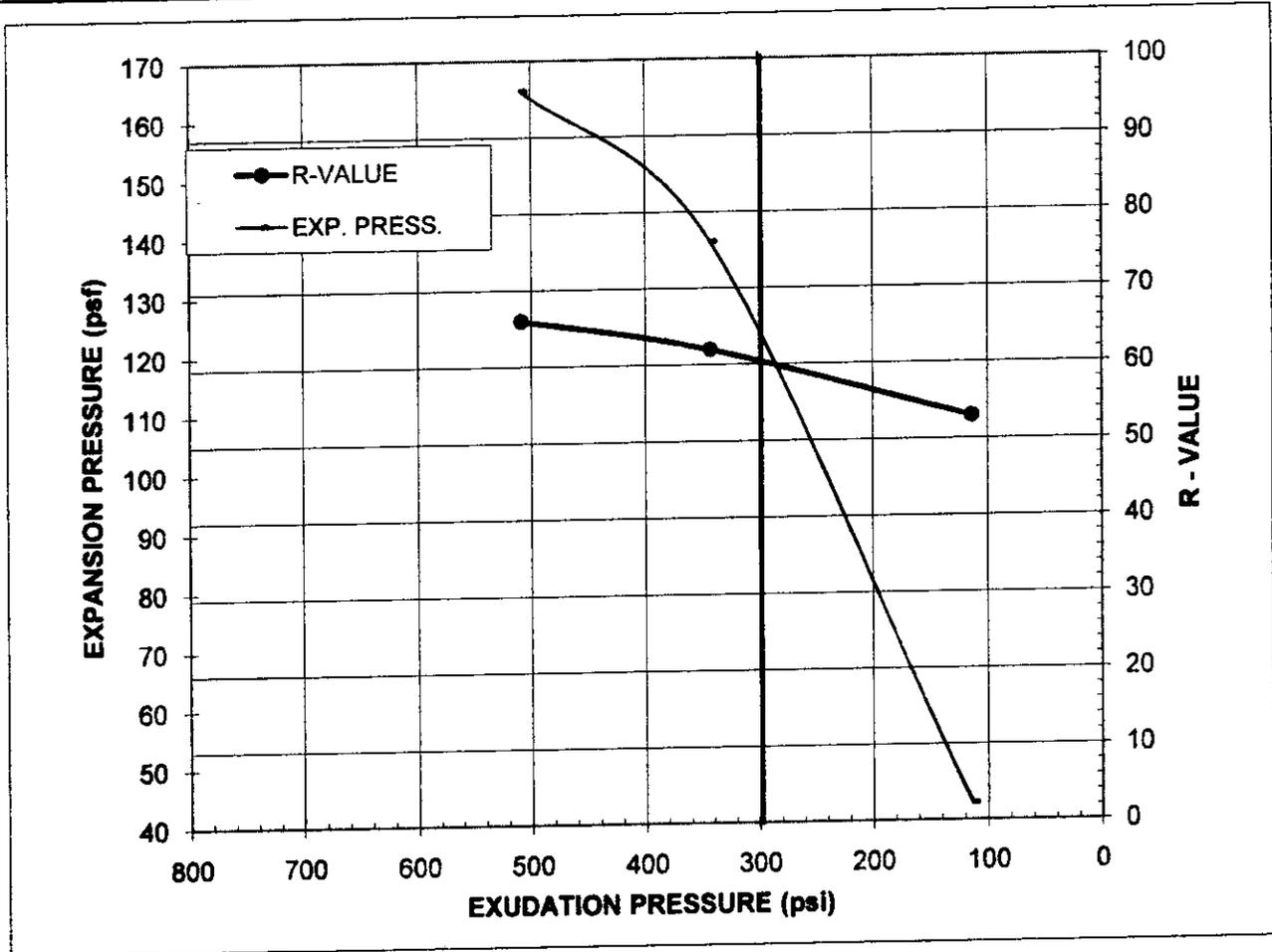
Lab #: M783

Location / Source: Native / Placerville

Sample Date:

Material: Silt with Gravel and trace of Sand, olive brown

Sampled By:



Specimen No.	A	B	C
Exudation Pressure, psi	114	343	509
Expansion Pressure, psf	43	139	165
R-Value	53	62	66
Moisture Content at Test, %	12.4	12.0	11.5
Dry Density at Test, pcf	119.8	120.7	121.1
R-Value @ 300 psi Exudation Pressure =	60		Expansion Pressure @300 psi Exudation, psf = 123
Minimum R-Value Requirement:			
Comments:			
Report By: Prav Dayah			

RVALUE with calcs pdp



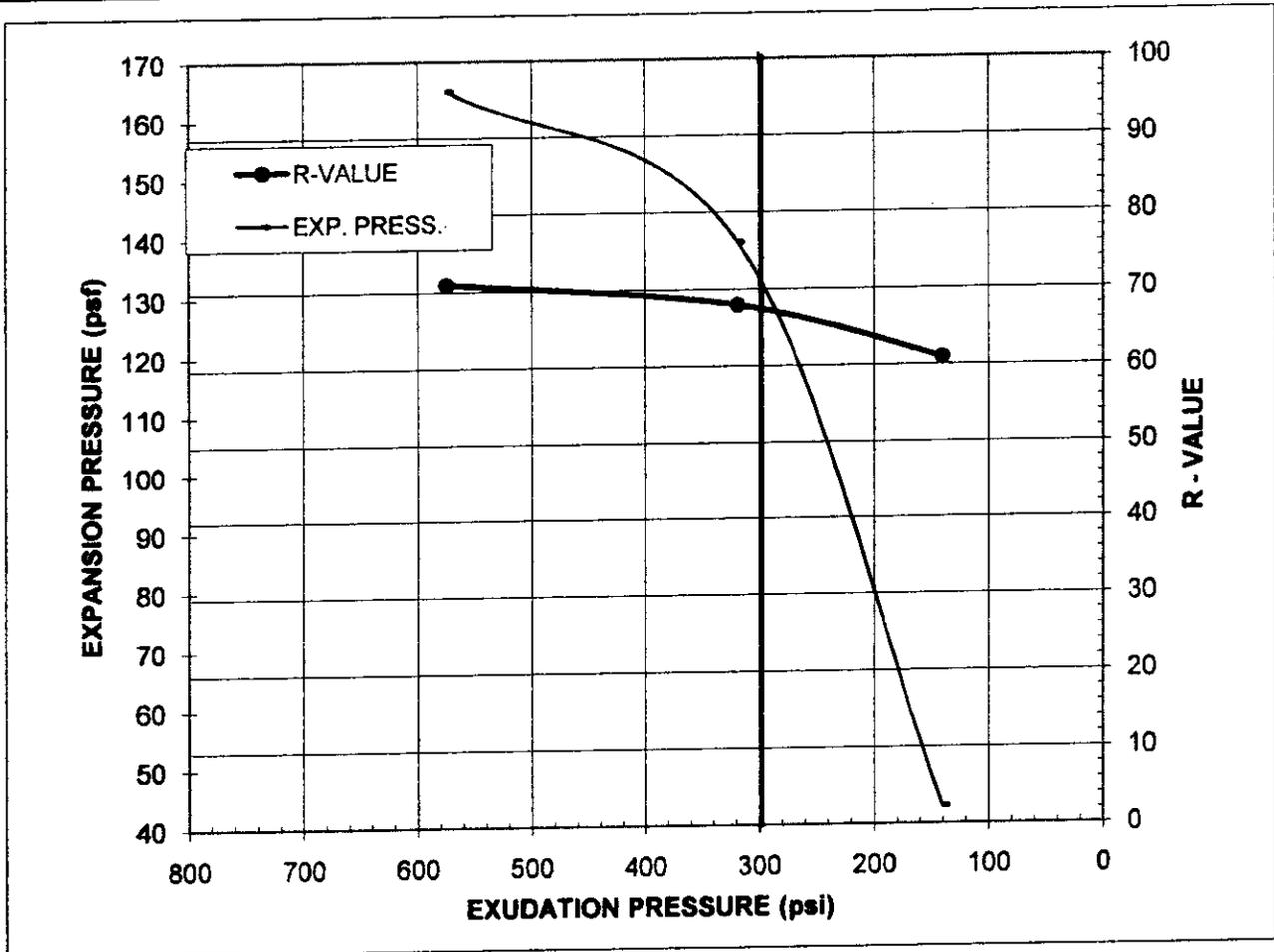
R-VALUE REPORT

Parikh Consultants, Inc.

ASTM D2944 or CTM 301

(408) 452-9000

Project Name:	Placerville Station II – Bus and Park Expansion	Date:	6/22/10
Client:	Omni Means	Project #:	210124.10
Sample #:	B-2	Depth:	0'-5'
Location / Source:	Native / Placerville	Lab #:	M783
Material :	Clayey Gravel with some Sand, strong brown	Sample Date:	
		Sampled By:	



	A	B	C
Specimen No.			
Exudation Pressure, psi	141	319	575
Expansion Pressure, psf	43	139	165
R-Value	61	68	71
Moisture Content at Test, %	11.9	11.0	10.5
Dry Density at Test, pcf	117.8	123.0	124.8
R-Value @ 300 psi Exudation Pressure =	68	Expansion Pressure @300 psi Exudation, psf = 132	
Minimum R-Value Requirement:			
Comments:			
Report By: Pray Dayah			

RVALUE with calcs pdp



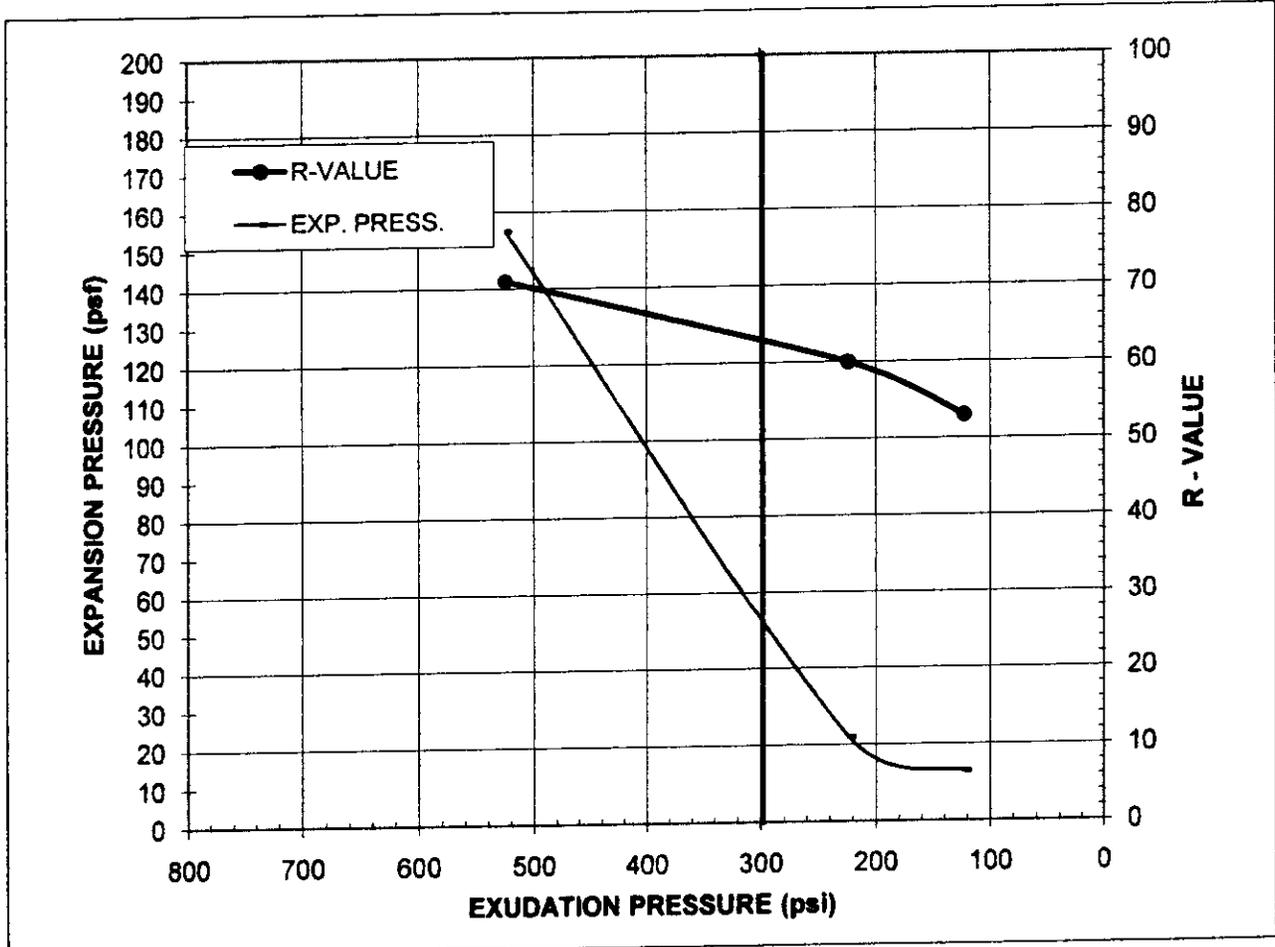
R-VALUE REPORT

Parikh Consultants, Inc.

ASTM D2844 or CTM 301

(408) 452-9000

Project Name: Placerville Station II – Bus and Park Expansion	Date: 6/28/10
Client: Omni Means	Project #: 210124.10
Sample #: B-4	Depth: 0'-5'
Location / Source: Native / Placerville	Lab #: M783
Material: Silty Sand with Gravel, reddish brown	Sample Date:
	Sampled By:



Specimen No.	A	B	C
Exudation Pressure, psi	123	224	525
Expansion Pressure, psf	13	22	155
R-Value	53	60	71
Moisture Content at Test, %	13.3	12.8	12.3
Dry Density at Test, pcf	116.1	120.3	120.5

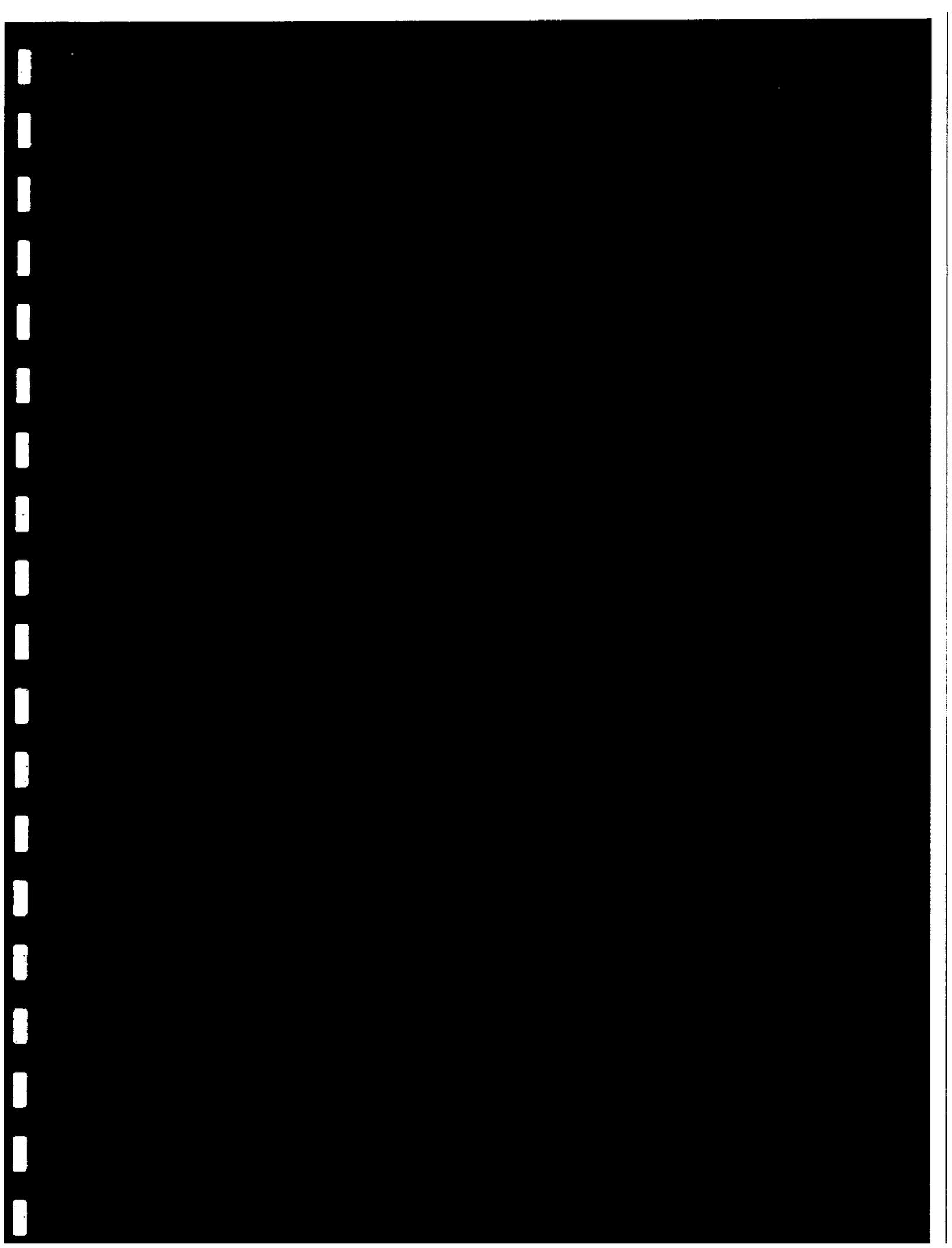
R-Value @ 300 psi Exudation Pressure = 63 **Expansion Pressure @300 psi Exudation, psf = 50**

Minimum R-Value Requirement:

Comments:

Report By: Prav Dayah

RVALUE with calcs pdp



STRUCTURAL PAVEMENT DESIGN

PAVEMENT DESIGN (ENGLISH)

PROJECT: Placerville Station II - Park and Bus Expansion
LOCATION: Parking Areas

JOB NO.: 210124.10
DATE: 8/10/2010

Traffic Index (TI) (20-Year) = 5
R-value of Aggregate Base (Class 3) (R_{AB}) = 78
R-value of Aggregate Subbase (Class 4) (R_{AS}) = 50
R-value of Basement Soil (R_{SUB}) = 25

STRUCTURAL SECTION CONSISTS OF HMA/AB (CLASS 3)

a) Total required GE = $0.0032 (TI)(100-R_{SUB})$ = 1.20
b) Required GE of HMA = $0.0032 (TI)(100-R_{AB})$ = 0.35
c) Add 0.2 foot as safety factor to determine total GE for HMA = 0.55
d) Actual thickness of HMA (t_{HMA}) = 0.25 (Table 633.1)
e) GE of actual thickness of HMA = 0.63 (Table 633.1)
h) Required GE of Aggregate Base (Class 3) (step a - step e) = 0.57
i) Actual thickness of Aggregate Base (Class 3) ($t_{AB (CLASS 3)}$) = 0.55 (Table 633.1)
j) GE of actual thickness of Aggregate Base (Class 3) = 0.61 (Table 633.1)

The structural section:

0.25 ft HMA (Type A)

0.55 ft AB (Class 3)

0.80 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Placerville Station II - Park and Bus Expansion
LOCATION : Parking Areas

JOB NO.: 210124.10
DATE : 8/10/2010

Traffic Index (TI) (20-Year)	=	5.5
R-value of Aggregate Base (Class 3) (R_{AB})	=	78
R-value of Aggregate Subbase (Class 4) (R_{AS})	=	50
R-value of Basement Soil (R_{SUB})	=	25

STRUCTURAL SECTION CONSISTS OF HMA/AB (CLASS 3)

a) Total required GE = $0.0032 (TI)(100-R_{SUB})$	=	1.32
b) Required GE of HMA = $0.0032 (TI)(100-R_{AB})$	=	0.39
c) Add 0.2 foot as safety factor to determine total GE for HMA	=	0.59
d) Actual thickness of HMA (t_{HMA})	=	0.25 (Table 633.1)
e) GE of actual thickness of HMA	=	0.58 (Table 633.1)
h) Required GE of Aggregate Base (Class 3) (step a - step e)	=	0.74
i) Actual thickness of Aggregate Base (Class 3) ($t_{AB (CLASS 3)}$)	=	0.70 (Table 633.1)
j) GE of actual thickness of Aggregate Base (Class 3)	=	0.77 (Table 633.1)

The structural section:

0.25 ft HMA (Type A)

0.70 ft AB (Class 3)

0.95 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Placerville Station II - Park and Bus Expansion
 LOCATION: Parking Areas

JOB NO.: 210124.10
 DATE: 8/10/2010

Traffic Index (TI) (20-Year)	=	6
R-value of Aggregate Base (Class 3) (R_{AB})	=	78
R-value of Aggregate Subbase (Class 4) (R_{AS})	=	50
R-value of Basement Soil (R_{SUB})	=	25

STRUCTURAL SECTION CONSISTS OF HMA/AB (CLASS 3)

a) Total required GE = $0.0032 (TI)(100-R_{SUB})$	=	1.44
b) Required GE of HMA = $0.0032 (TI)(100-R_{AB})$	=	0.42
c) Add 0.2 foot as safety factor to determine total GE for HMA	=	0.62
d) Actual thickness of HMA (t_{HMA})	=	0.25 (Table 633.1)
e) GE of actual thickness of HMA	=	0.58 (Table 633.1)
h) Required GE of Aggregate Base (Class 3) (step a - step e)	=	0.86
i) Actual thickness of Aggregate Base (Class 3) ($t_{AB (CLASS 3)}$)	=	0.80 (Table 633.1)
j) GE of actual thickness of Aggregate Base (Class 3)	=	0.88 (Table 633.1)

The structural section:

0.25 ft HMA (Type A)

0.80 ft AB (Class 3)

1.05 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Placerville Station II - Park and Bus Expansion
LOCATION : Parking Areas

JOB NO.: 210124.10
DATE : 8/10/2010

Traffic Index (TI) (20-Year) = 6.5
R-value of Aggregate Base (Class 3) (R_{AB}) = 78
R-value of Aggregate Subbase (Class 4) (R_{AS}) = 50
R-value of Basement Soil (R_{SUB}) = 25

STRUCTURAL SECTION CONSISTS OF HMA/AB (CLASS 3)

a) Total required GE = $0.0032 (TI)(100-R_{SUB})$ = 1.56
b) Required GE of HMA = $0.0032 (TI)(100-R_{AB})$ = 0.46
c) Add 0.2 foot as safety factor to determine total GE for HMA = 0.66
d) Actual thickness of HMA (t_{HMA}) = 0.25 (Table 633.1)
e) GE of actual thickness of HMA = 0.54 (Table 633.1)
h) Required GE of Aggregate Base (Class 3) (step a - step e) = 1.02
i) Actual thickness of Aggregate Base (Class 3) ($t_{AB (CLASS 3)}$) = 0.95 (Table 633.1)
j) GE of actual thickness of Aggregate Base (Class 3) = 1.05 (Table 633.1)

The structural section:

0.25 ft HMA (Type A)

0.95 ft AB (Class 3)

1.20 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Placerville Station II - Park and Bus Expansion
LOCATION : Parking Areas

JOB NO.: 210124.10
DATE : 8/10/2010

Traffic Index (TI) (20-Year)	=	7
R-value of Aggregate Base (Class 3) (R_{AB})	=	78
R-value of Aggregate Subbase (Class 4) (R_{AS})	=	50
R-value of Basement Soil (R_{SUB})	=	25

STRUCTURAL SECTION CONSISTS OF HMA/AB (CLASS 3)

a) Total required GE = $0.0032 (TI)(100-R_{SUB})$	=	1.68
b) Required GE of HMA = $0.0032 (TI)(100-R_{AB})$	=	0.49
c) Add 0.2 foot as safety factor to determine total GE for HMA	=	0.69
d) Actual thickness of HMA (t_{HMA})	=	<input type="text" value="0.25"/> (Table 633.1)
e) GE of actual thicknss of HMA	=	0.54 (Table 633.1)
h) Required GE of Aggregate Base (Class 3) (step a - step e)	=	1.14
i) Actual thickness of Aggregate Base (Class 3) ($t_{AB (CLASS 3)}$)	=	<input type="text" value="1.05"/> (Table 633.1)
j) GE of actual thickness of Aggregate Base (Class 3)	=	1.16 (Table 633.1)

The structural section:

0.25 ft HMA (Type A)

1.05 ft AB (Class 3)

1.30 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Placerville Station II - Park and Bus Expansion
LOCATION : Parking Areas

JOB NO.: 210124.10
DATE : 8/10/2010

Traffic Index (TI) (20-Year)	=	7.5
R-value of Aggregate Base (Class 3) (R_{AB})	=	78
R-value of Aggregate Subbase (Class 4) (R_{AS})	=	50
R-value of Basement Soil (R_{SUB})	=	25

STRUCTURAL SECTION CONSISTS OF HMA/AB (CLASS 3)

a) Total required GE = $0.0032 (TI)(100-R_{SUB})$	=	1.80
b) Required GE of HMA = $0.0032 (TI)(100-R_{AB})$	=	0.53
c) Add 0.2 foot as safety factor to determine total GE for HMA	=	0.73
d) Actual thickness of HMA (t_{HMA})	=	0.25 (Table 633.1)
e) GE of actual thickness of HMA	=	0.50 (Table 633.1)
h) Required GE of Aggregate Base (Class 3) (step a - step e)	=	1.30
i) Actual thickness of Aggregate Base (Class 3) ($t_{AB (CLASS 3)}$)	=	1.20 (Table 633.1)
j) GE of actual thickness of Aggregate Base (Class 3)	=	1.32 (Table 633.1)

The structural section:

0.25 ft HMA (Type A)

1.20 ft AB (Class 3)

1.45 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Placerville Station II - Park and Bus Expansion
LOCATION : Parking Areas

JOB NO.: 210124.10
DATE : 8/10/2010

Traffic Index (TI) (20-Year) = 8
R-value of Aggregate Base (Class 3) (R_{AB}) = 78
R-value of Aggregate Subbase (Class 4) (R_{AS}) = 50
R-value of Basement Soil (R_{SUB}) = 25

STRUCTURAL SECTION CONSISTS OF HMA/AB (CLASS 3)

a) Total required GE = $0.0032 (TI)(100-R_{SUB})$ = 1.92
b) Required GE of HMA = $0.0032 (TI)(100-R_{AB})$ = 0.56
c) Add 0.2 foot as safety factor to determine total GE for HMA = 0.76
d) Actual thickness of HMA (t_{HMA}) = 0.25 (Table 633.1)
e) GE of actual thicknss of HMA = 0.50 (Table 633.1)
h) Required GE of Aggregate Base (Class 3) (step a - step e) = 1.42
i) Actual thickness of Aggregate Base (Class 3) ($t_{AB (CLASS 3)}$) = 1.30 (Table 633.1)
j) GE of actual thickness of Aggregate Base (Class 3) = 1.43 (Table 633.1)

The structural section:

0.25 ft HMA (Type A)

1.30 ft AB (Class 3)

1.55 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Placerville Station II - Park and Bus Expansion
LOCATION : Street

JOB NO.: 210124.10
DATE : 8/10/2010

Traffic Index (TI) (20-Year) = 5
R-value of Aggregate Base (Class 3) (R_{AB}) = 78
R-value of Aggregate Subbase (Class 4) (R_{AS}) = 50
R-value of Basement Soil (R_{SUB}) = 25

STRUCTURAL SECTION CONSISTS OF HMA/AB (CLASS 3)

a) Total required GE = $0.0032 (TI)(100-R_{SUB})$ = 1.20
b) Required GE of HMA = $0.0032 (TI)(100-R_{AB})$ = 0.35
c) Add 0.2 foot as safety factor to determine total GE for HMA = 0.55
d) Actual thickness of HMA (t_{HMA}) = 0.25 (Table 633.1)
e) GE of actual thickness of HMA = 0.63 (Table 633.1)
h) Required GE of Aggregate Base (Class 3) (step a - step e) = 0.57
i) Actual thickness of Aggregate Base (Class 3) ($t_{AB (CLASS 3)}$) = 0.55 (Table 633.1)
j) GE of actual thickness of Aggregate Base (Class 3) = 0.61 (Table 633.1)

The structural section:

0.25 ft HMA (Type A)

0.55 ft AB (Class 3)

0.80 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Placerville Station II - Park and Bus Expansion
 LOCATION: Street

JOB NO.: 210124.10
 DATE: 8/10/2010

Traffic Index (TI) (20-Year) = 6
 R-value of Aggregate Base (Class 3) (R_{AB}) = 78
 R-value of Aggregate Subbase (Class 4) (R_{AS}) = 50
 R-value of Basement Soil (R_{SUB}) = 25

STRUCTURAL SECTION CONSISTS OF HMA/AB (CLASS 3)

a) Total required GE = $0.0032 (TI)(100-R_{SUB})$ = 1.44
 b) Required GE of HMA = $0.0032 (TI)(100-R_{AB})$ = 0.42
 c) Add 0.2 foot as safety factor to determine total GE for HMA = 0.62
 d) Actual thickness of HMA (t_{HMA}) = 0.30 (Table 633.1)
 e) GE of actual thicknss of HMA = 0.69 (Table 633.1)
 h) Required GE of Aggregate Base (Class 3) (step a - step e) = 0.75
 i) Actual thickness of Aggregate Base (Class 3) ($t_{AB(CLASS 3)}$) = 0.70 (Table 633.1)
 j) GE of actual thickness of Aggregate Base (Class 3) = 0.77 (Table 633.1)

The structural section:

0.30 ft HMA (Type A)

0.70 ft AB (Class 3)

1.00 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Placerville Station II - Park and Bus Expansion
 LOCATION : Street

JOB NO.: 210124.10
 DATE : 8/10/2010

Traffic Index (TI) (20-Year)	=	7
R-value of Aggregate Base (Class 3) (R_{AB})	=	78
R-value of Aggregate Subbase (Class 4) (R_{AS})	=	50
R-value of Basement Soil (R_{SUB})	=	25

STRUCTURAL SECTION CONSISTS OF HMA/AB (CLASS 3)

a) Total required GE = $0.0032 (TI)(100-R_{SUB})$	=	1.68
b) Required GE of HMA = $0.0032 (TI)(100-R_{AB})$	=	0.49
c) Add 0.2 foot as safety factor to determine total GE for HMA	=	0.69
d) Actual thickness of HMA (t_{HMA})	=	0.35 (Table 633.1)
e) GE of actual thickness of HMA	=	0.75 (Table 633.1)
h) Required GE of Aggregate Base (Class 3) (step a - step e)	=	0.93
i) Actual thickness of Aggregate Base (Class 3) ($t_{AB (CLASS 3)}$)	=	0.90 (Table 633.1)
j) GE of actual thickness of Aggregate Base (Class 3)	=	0.99 (Table 633.1)

The structural section:

0.35 ft HMA (Type A)

0.90 ft AB (Class 3)

1.25 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Placerville Station II - Park and Bus Expansion
LOCATION : Street

JOB NO.: 210124.10
DATE : 8/10/2010

Traffic Index (TI) (20-Year)	=	8
R-value of Aggregate Base (Class 3) (R_{AB})	=	78
R-value of Aggregate Subbase (Class 4) (R_{AS})	=	50
R-value of Basement Soil (R_{SUB})	=	25

STRUCTURAL SECTION CONSISTS OF HMA/AB (CLASS 3)

a) Total required GE = $0.0032 (TI)(100-R_{SUB})$	=	1.92
b) Required GE of HMA = $0.0032 (TI)(100-R_{AB})$	=	0.56
c) Add 0.2 foot as safety factor to determine total GE for HMA	=	0.76
d) Actual thickness of HMA (t_{HMA})	=	0.40 (Table 633.1)
e) GE of actual thickness of HMA	=	0.80 (Table 633.1)
h) Required GE of Aggregate Base (Class 3) (step a - step e)	=	1.12
i) Actual thickness of Aggregate Base (Class 3) ($t_{AB (CLASS 3)}$)	=	1.05 (Table 633.1)
j) GE of actual thickness of Aggregate Base (Class 3)	=	1.16 (Table 633.1)

The structural section:

0.40 ft HMA (Type A)

1.05 ft AB (Class 3)

1.45 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Placerville Station II - Park and Bus Expansion
 LOCATION : Street

JOB NO.: 210124.10
 DATE : 8/10/2010

Traffic Index (TI) (20-Year)	=	9
R-value of Aggregate Base (Class 3) (R_{AB})	=	78
R-value of Aggregate Subbase (Class 4) (R_{AS})	=	50
R-value of Basement Soil (R_{SUB})	=	25

STRUCTURAL SECTION CONSISTS OF HMA/AB (CLASS 3)

a) Total required GE = $0.0032 (TI)(100-R_{SUB})$	=	2.16
b) Required GE of HMA = $0.0032 (TI)(100-R_{AB})$	=	0.63
c) Add 0.2 foot as safety factor to determine total GE for HMA	=	0.83
d) Actual thickness of HMA (t_{HMA})	=	0.45 (Table 633.1)
e) GE of actual thickness of HMA	=	0.85 (Table 633.1)
h) Required GE of Aggregate Base (Class 3) (step a - step e)	=	1.31
i) Actual thickness of Aggregate Base (Class 3) ($t_{AB(CLASS 3)}$)	=	1.20 (Table 633.1)
j) GE of actual thickness of Aggregate Base (Class 3)	=	1.32 (Table 633.1)

The structural section:

0.45 ft HMA (Type A)

1.20 ft AB (Class 3)

1.65 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Placerville Station II - Park and Bus Expansion
LOCATION : Street

JOB NO.: 210124.10
DATE : 8/10/2010

Traffic Index (TI) (20-Year)	=	10
R-value of Aggregate Base (Class 3) (R_{AB})	=	78
R-value of Aggregate Subbase (Class 4) (R_{AS})	=	50
R-value of Basement Soil (R_{SUB})	=	25

STRUCTURAL SECTION CONSISTS OF HMA/AB (CLASS 3)

a) Total required GE = $0.0032 (TI)(100-R_{SUB})$	=	2.40
b) Required GE of HMA = $0.0032 (TI)(100-R_{AB})$	=	0.70
c) Add 0.2 foot as safety factor to determine total GE for HMA	=	0.90
d) Actual thickness of HMA (t_{HMA})	=	0.50 (Table 633.1)
e) GE of actual thickness of HMA	=	0.90 (Table 633.1)
h) Required GE of Aggregate Base (Class 3) (step a - step e)	=	1.50
i) Actual thickness of Aggregate Base (Class 3) ($t_{AB (CLASS 3)}$)	=	1.40 (Table 633.1)
j) GE of actual thickness of Aggregate Base (Class 3)	=	1.54 (Table 633.1)

The structural section:

0.50 ft HMA (Type A)

1.40 ft AB (Class 3)

1.90 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Pacerville Station II - Park and Bus Expansion
LOCATION : Street

JOB NO.: 210124.10
DATE : 8/10/2010

Traffic Index (TI) (20-Year) = 5
R-value of Basement Soil (R_{SUB}) = 25

STRUCTURAL SECTION CONSISTS OF FULL HMA

a) Total required GE = $0.0032 (TI)(100-R_{SUB})$ = 1.20
b) Add 0.1 foot as safety factor to determine total GE for HMA = 1.30
c) Actual thickness of HMA (t_{HMA}) = 0.55 (Table 633.1)
d) GE of actual thicknss of HMA = 1.41 (Table 633.1)

The structural section:

0.55 ft HMA (Type A)

0.55 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Pacerville Station II - Park and Bus Expansion
LOCATION: Street

JOB NO.: 210124.10
DATE: 8/10/2010

Traffic Index (TI) (20-Year) = 6
R-value of Basement Soil (R_{SUB}) = 25

STRUCTURAL SECTION CONSISTS OF FULL HMA

a) Total required GE = $0.0032 (TI)(100-R_{SUB})$ = 1.44
b) Add 0.1 foot as safety factor to determine total GE for HMA = 1.54
c) Actual thickness of HMA (t_{HMA}) = 0.65 (Table 633.1)
d) GE of actual thickness of HMA = 1.61 (Table 633.1)

The structural section:

0.65 ft HMA (Type A)

0.65 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Pacerville Station II - Park and Bus Expansion
LOCATION: Street

JOB NO.: 210124.10
DATE: 8/10/2010

Traffic Index (TI) (20-Year) = 7
R-value of Basement Soil (R_{SUB}) = 25

STRUCTURAL SECTION CONSISTS OF FULL HMA

a) Total required GE = $0.0032 (TI)(100 - R_{SUB})$ = 1.68
b) Add 0.1 foot as safety factor to determine total GE for HMA = 1.78
c) Actual thickness of HMA (t_{HMA}) = 0.75 (Table 633.1)
d) GE of actual thickness of HMA = 1.80 (Table 633.1)

The structural section:

0.75 ft HMA (Type A)

0.75 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Pacerville Station II - Park and Bus Expansion
LOCATION : Street

JOB NO.: 210124.10
DATE : 8/10/2010

Traffic Index (TI) (20-Year) = 8
R-value of Basement Soil (R_{SUB}) = 25

STRUCTURAL SECTION CONSISTS OF FULL HMA

a) Total required GE = $0.0032 (TI)(100-R_{SUB})$ = 1.92
b) Add 0.1 foot as safety factor to determine total GE for HMA = 2.02
c) Actual thickness of HMA (t_{HMA}) = 0.90 (Table 633.1)
d) GE of actual thicknss of HMA = 2.15 (Table 633.1)

The structural section:

0.90 ft HMA (Type A)

0.90 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Pacerville Station II - Park and Bus Expansion
LOCATION: Street

JOB NO.: 210124.10
DATE: 8/10/2010

Traffic Index (TI) (20-Year) = 9
R-value of Basement Soil (R_{SUB}) = 25

STRUCTURAL SECTION CONSISTS OF FULL HMA

a) Total required GE = $0.0032 (TI)(100-R_{SUB})$ = 2.16
b) Add 0.1 foot as safety factor to determine total GE for HMA = 2.26
c) Actual thickness of HMA (t_{HMA}) = 1.00 (Table 633.1)
d) GE of actual thicknss of HMA = 2.33 (Table 633.1)

The structural section:

1.00 ft HMA (Type A)

1.00 ft

PAVEMENT DESIGN (ENGLISH)

PROJECT: Pacerville Station II - Park and Bus Expansion
LOCATION : Street

JOB NO.: 210124.10
DATE : 8/10/2010

Traffic Index (TI) (20-Year) = 10
R-value of Basement Soil (R_{SUB}) = 25

STRUCTURAL SECTION CONSISTS OF FULL HMA

a) Total required GE = $0.0032 (TI)(100-R_{SUB})$ = 2.40
b) Add 0.1 foot as safety factor to determine total GE for HMA = 2.50
c) Actual thickness of HMA (t_{HMA}) = 1.10 (Table 633.1)
d) GE of actual thicknss of HMA = 2.51 (Table 633.1)

The structural section:

1.10 ft HMA (Type A)

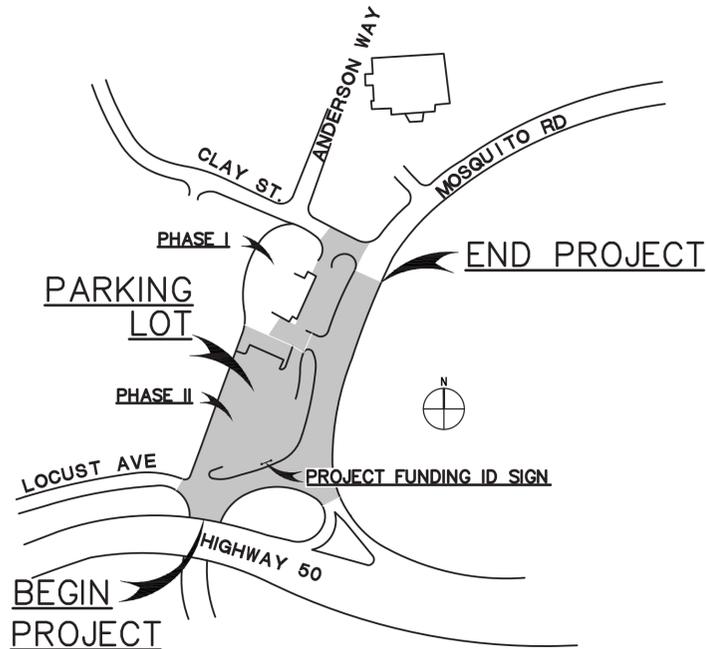
1.10 ft

PLACERVILLE STATION PHASE II

PARK-N-BUS IMPROVEMENT PLANS

MOSQUITO ROAD

CITY OF PLACERVILLE CALIFORNIA PROJECT NO. 40708



VICINITY MAP

NO SCALE

LEGEND

EXISTING		PROPOSED
	STORM DRAIN PIPE	
	DRAINAGE INLET	
	SEWER MANHOLE	
	SANITARY SEWER PIPE	
	SAWCUT	
	CENTERLINE	
	WATER PIPE	

INSTRUCTIONS TO CONTRACTORS

BEFORE COMMENCING WORK, ALL PLANS, SCHEDULES, & PROGRAMS MUST BE SUBMITTED AND APPROVED IN CONFORMANCE WITH THE REQUIREMENTS OF THE CITY OF PLACERVILLE GENERAL SPECIFICATIONS AND THE STATE OF CALIFORNIA, STANDARD SPECIFICATIONS DATED 2018. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL NOTIFY THE CITY OF PLACERVILLE ENGINEERING DEPARTMENT 48 HOURS IN ADVANCE OF THE TIME OF COMMENCEMENT.

CALL THE CITY OF PLACERVILLE AT: (530) 642-5250

NIGHT WORK/RAMP CLOSURE NOTIFICATION

HWY 50 / MOSQUITO WESTBOUND ON-RAMP AND OFF-RAMP SHALL REMAIN OPEN BETWEEN 6AM-6PM ON WEEKDAYS. ROAD WIDENING AND PAVEMENT OVERLAY WORK SHALL BE COMPLETED AS NIGHT WORK. IF RAMP CLOSURES ARE NEEDED, THE CONTRACTOR WILL PREPARE AND SUBMIT A DETAILED RAMP CLOSURE PACKAGE FOR CALTRANS REVIEW AND ACCEPTANCE, PER THE CURRENT STANDARD PLANS AND SPECS AS A SEPARATE ENCROACHMENT PERMIT (DOUBLE PERMIT). SUBMIT SCHEDULE OF WORK FOR APPROVAL TO CITY ENGINEER. 48 HOUR NOTIFICATION IS REQUIRED TO MARSHALL HOSPITAL AND ALL EMERGENCY RESPONDER OFFICES IN THE CITY OF PLACERVILLE PRIOR TO ANY CLOSURE OF THE HWY 50 / MOSQUITO EASTBOUND ON-RAMP AND OFF-RAMP. CLOSURE SHALL CONFORM TO CALTRANS STANDARD PLAN T14.

INDEX OF SHEETS

- 1 TITLE SHEET
- 2 DEMOLITION PLAN
- 3 LAYOUT PLAN
- 4 CONSTRUCTION DETAILS
- 5 GRADING AND DRAINAGE PLAN
- 6-7 GRADING DETAILS
- 8 UTILITY PLAN
- 9-10 PAVEMENT DELINEATION & SIGN PLANS
- 11 EROSION CONTROL PLAN
- 12 EROSION CONTROL DETAILS
- 13-14 PLANTING PLANS
- 15-16 IRRIGATION PLANS
- 17 IRRIGATION DETAILS
- 18-22 ELECTRICAL PLANS

BASIS OF BEARINGS

THE BASIS OF BEARINGS IS IDENTICAL WITH R.W. 24-25, EL DORADO COUNTY RECORDER'S OFFICE.

BENCH MARK

ELEVATIONS ARE BASED ON CITY OF PLACERVILLE BENCH MARK "BM #23", AS SHOWN ON CITY OF PLACERVILLE PLAN SHEETS FOR "MOSQUITO ROAD PARK & BUS" DRAWINGS, WHICH IS A PK NAIL IN THE SOUTH SIDE CURB OF MOSQUITO ROAD, AS SHOWN HEREON. PUBLISHED ELEVATION IS 1900.61.

BASIS OF COORDINATES

THE BASIS OF COORDINATES ARE LOCAL ASSUMED GROUND.

DISTURBED SOIL AREA

DISTURBED SOIL AREA: ±1.11 ACRES. WDD No. 5S09C358885

PEDESTRIAN ACCESS NOTIFICATION

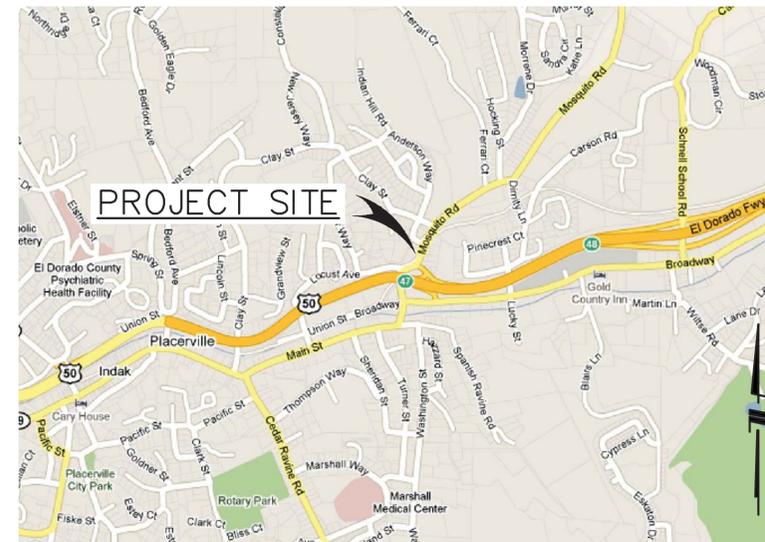
CONTRACTOR SHALL PROVIDE CONTINUOUS PEDESTRIAN ACCESS IN THE PUBLIC WAY AT ALL TIMES. TEMPORARY SIDEWALK CLOSURES SHALL BE MITIGATED BY PROVIDING AN ESCORT AND/OR CONFORM TO CALTRANS STANDARD PLAN T32.

NESTING BIRDS NOTIFICATION

IF PROJECT-RELATED ACTIVITIES ARE SCHEDULED DURING THE NESTING SEASON (TYPICALLY FEBRUARY 1 TO AUGUST 31), A FOCUSED SURVEY FOR NESTS SHALL BE CONDUCTED BY A QUALIFIED BIOLOGIST WITHIN THREE (3) DAYS PRIOR TO THE BEGINNING OF PROJECT-RELATED ACTIVITIES. THE QUALIFIED BIOLOGIST SHALL SURVEY THE AREA FOR ALL NESTS WITHIN A MINIMUM 500-FOOT RADIUS AROUND THE PROJECT AREA. THE RESULTS OF THE SURVEY SHALL BE MADE AVAILABLE UPON REQUEST. IF AN ACTIVE NEST IS FOUND, THE QUALIFIED BIOLOGIST SHALL ESTABLISH A NON-DISTURBANCE BUFFER SIZED APPROPRIATELY FOR THE PARTICULAR SPECIES AND LEVEL OF DISTURBANCE AROUND THE NEST. THE BUFFER SHALL BE MAINTAINED UNTIL THE NEST IS NO LONGER ACTIVE. IF A LAPSE IN PROJECT-RELATED WORK OF FIFTEEN (15) DAYS OR LONGER OCCURS, ANOTHER FOCUSED SURVEY WILL BE REQUIRED BEFORE PROJECT WORK CAN BE REINITIATED.

ABBREVIATIONS

AC	ASPHALT CONCRETE	JP	JOINT UTILITY POLE
AP	ANGLE POINT	JPCP	JOINTED PLANE CONCRETE PAVEMENT
AB	AGGREGATE BASE	L, Lt	LEFT
BC	BEGIN CURVE	LA	LANDSCAPE AREA
BCR	BEGIN CURB RETURN	MH	MANHOLE
BEG, Beg	BEGIN	MIN	MINIMUM
BOC	BACK OF CURB	PCC	PORTLAND CEMENT CONCRETE
CLR	CLEAR	PL or R	PROPERTY LINE
CMP	CORRUGATED METAL PIPE	POC	POINT OF CONNECTION
DWY, DRWY	DRIVEWAY	PRVT	PRIVATE
EC	END CURVE	R, Rt	RIGHT
ECR	END CURB RETURN	RD, Rd	ROAD
EG	EXISTING GRADE	RCP	REINFORCED CONCRETE PIPE
EL, Elev	ELEVATION	ROW, R/W	RIGHT OF WAY
EP	EDGE OF PAVEMENT	S	SLOPE
Exist, EXIST	EXISTING	SAW	SAWCUT
FES	FLARED END SECTION	SD	STORM DRAIN
FH	FIRE HYDRANT	SS	SANITARY SEWER
FL	FLOW LINE	SSMH	SANITARY SEWER MANHOLE
FOC	FACE OF CURB	ST, St	STREET
G	GUTTER	STA	STATION
GA	GUY ANCHOR	S/W	SIDEWALK
HDPE	HIGH DENSITY POLYETHYLENE	TBC	TOP BACK OF CURB
INV, I.E.	INVERT ELEVATION	TYP	TYPICAL
		VAR	VARIES



LOCATION MAP

NO SCALE

UTILITY CONTACTS

CABLE TV
COMCAST CABLE
1242 NATIONAL DRIVE
SACRAMENTO, CA 95834
GARY ABELIA: (916) 830-6732
CELL: (916) 496-5554

POWER
PACIFIC GAS & ELECTRIC COMPANY
4636 MISSOURI FLAT ROAD
PLACERVILLE, CA 95667
SARABETH PANELA: (628) 200-1824

TELEPHONE
PACIFIC BELL TELEPHONE COMPANY
281 INDUSTRIAL DRIVE
PLACERVILLE, CA 95667
ASTRID WILLARD: (916) 484-2388
CELL: (916) 213-8736

SEWER, STORM DRAIN & WATER
CITY OF PLACERVILLE PUBLIC WORKS DEPT
3101 CENTER STREET
PLACERVILLE, CA 95667
(530) 642-5232

CONSULTANT



APPROVED:

REBECCA NEVES RCE No. 71920 DATE
CITY ENGINEER
CITY OF PLACERVILLE



DESIGNED: CR/LDS				
CADD BY: SMC				
CHECKED BY: LMW				
No.	REVISIONS	BY	DATE	



City of Placerville
Engineering Department
3101 Center Street
Placerville, CA 95667
(530) 642-5250 (530) 642-5568 fax

PLACERVILLE STATION II PARK-N-BUS IMPROVEMENT PLANS

PLACERVILLE

CALIFORNIA

DATE: AUGUST 2022

SCALE: NO SCALE

one inch on original

BENCH MARK: TBM: #23
ON SIDEWALK NEAR
MOSQUITO RD AND SR50
DATUM: AT THE BEGINNING OF THE
WESTBOUND RAMP.
PK NAIL
ELEV.: 1900.61

TITLE SHEET

SHEET

1

OF

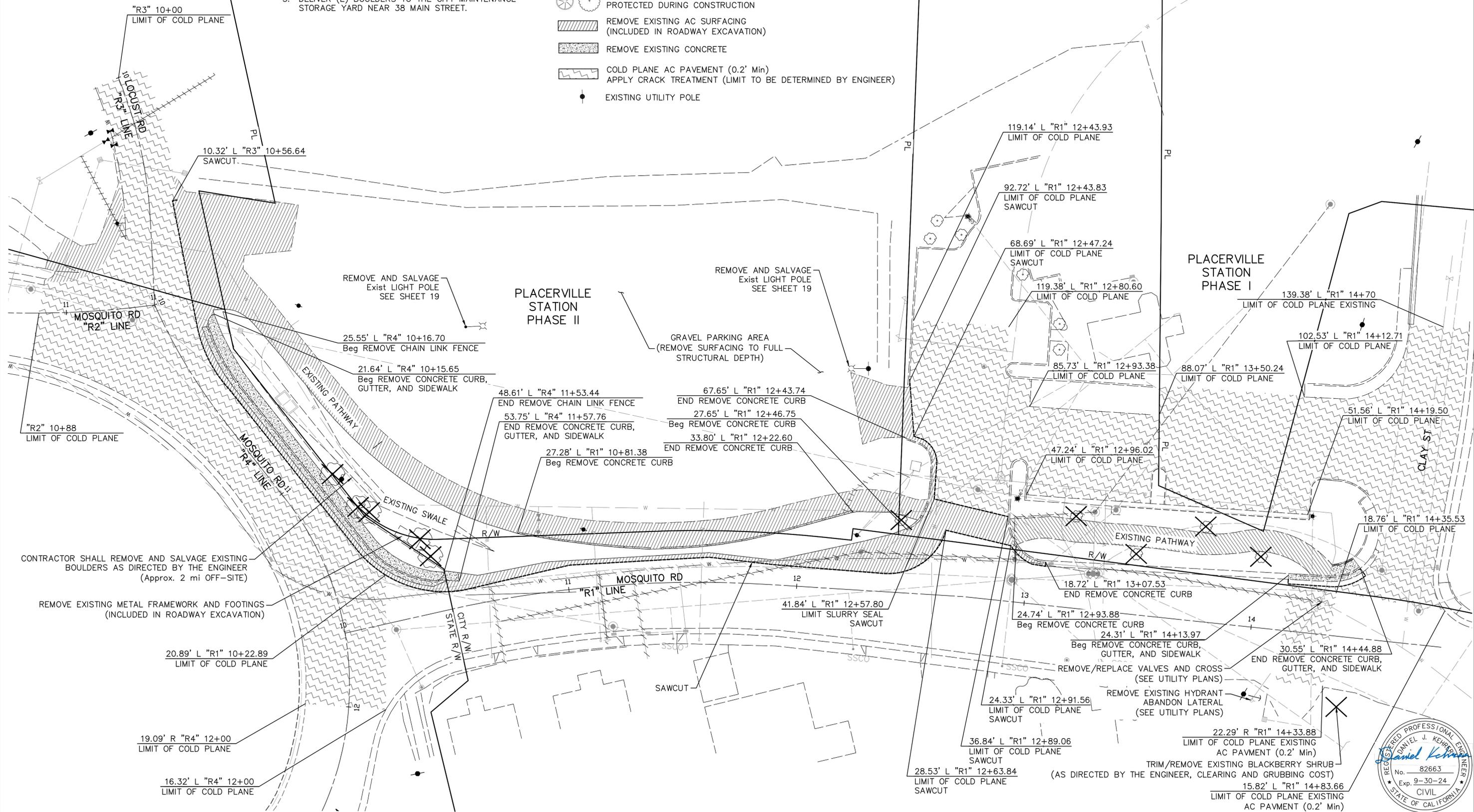
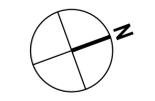
22

NOTES:

1. TREES SMALLER THAN 4" DIAMETER ARE NOT SHOWN. ALL TREES WITHIN FILL OR CUT AREAS SHALL BE REMOVED, UNLESS OTHERWISE NOTED.
2. SEE ELECTRICAL PLANS FOR ADDITIONAL REMOVAL ITEMS.
3. DELIVER (E) BOULDERS TO THE CITY MAINTENANCE STORAGE YARD NEAR 38 MAIN STREET.

LEGEND

- SAWCUT LINE
- REMOVE, TREE, STUMP, AND ROOTBALL
- UNMARKED TREES TO BE PROTECTED DURING CONSTRUCTION
- REMOVE EXISTING AC SURFACING (INCLUDED IN ROADWAY EXCAVATION)
- REMOVE EXISTING CONCRETE
- COLD PLANE AC PAVEMENT (0.2' Min) APPLY CRACK TREATMENT (LIMIT TO BE DETERMINED BY ENGINEER)
- EXISTING UTILITY POLE



DESIGNED: DK				
CADD BY: EG				
CHECKED BY: LMW				
No.	REVISIONS	BY	DATE	



City of Placerville
 Engineering Department
 3101 Center Street
 Placerville, CA 95667
 (530) 642-5250 (530) 642-5568 fax

**PLACERVILLE STATION II
 PARK-N-BUS
 IMPROVEMENT PLANS**
 PLACERVILLE CALIFORNIA

DATE: AUGUST 2022
 SCALE: 1"=20'
 one inch on original

BENCH MARK: TBM: #23
 ON SIDEWALK NEAR
 MOSQUITO RD AND SR50
 AT THE BEGINNING OF THE
 WESTBOUND RAMP.
 PK_NAIL
 ELEV.: 1900.61

DEMOLITION PLAN

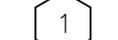


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COORDINATE LIST

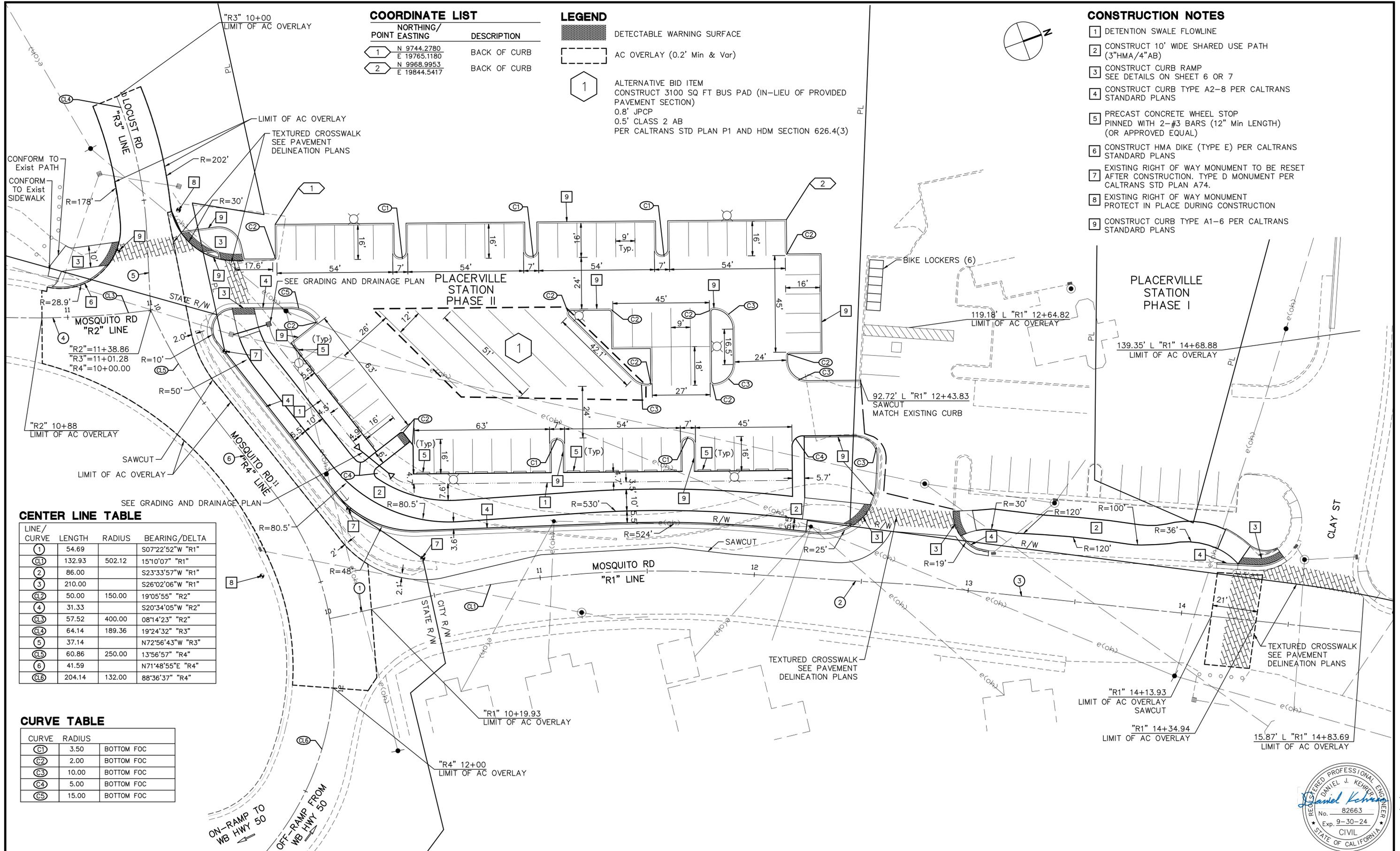
POINT	NORTHING/ EASTING	DESCRIPTION
1	N 9744.2780 E 19765.1180	BACK OF CURB
2	N 9968.9953 E 19844.5417	BACK OF CURB

LEGEND

-  DETECTABLE WARNING SURFACE
-  AC OVERLAY (0.2' Min & Var)
-  ALTERNATIVE BID ITEM
CONSTRUCT 3100 SQ FT BUS PAD (IN-LIEU OF PROVIDED PAVEMENT SECTION)
0.8' JPCP
0.5' CLASS 2 AB
PER CALTRANS STD PLAN P1 AND HDM SECTION 626.4(3)

CONSTRUCTION NOTES

- 1 DETENTION SWALE FLOWLINE
- 2 CONSTRUCT 10' WIDE SHARED USE PATH (3"HMA/4"AB)
- 3 CONSTRUCT CURB RAMP SEE DETAILS ON SHEET 6 OR 7
- 4 CONSTRUCT CURB TYPE A2-8 PER CALTRANS STANDARD PLANS
- 5 PRECAST CONCRETE WHEEL STOP PINNED WITH 2-#3 BARS (12" Min LENGTH) (OR APPROVED EQUAL)
- 6 CONSTRUCT HMA DIKE (TYPE E) PER CALTRANS STANDARD PLANS
- 7 EXISTING RIGHT OF WAY MONUMENT TO BE RESET AFTER CONSTRUCTION. TYPE D MONUMENT PER CALTRANS STD PLAN A74.
- 8 EXISTING RIGHT OF WAY MONUMENT PROTECT IN PLACE DURING CONSTRUCTION
- 9 CONSTRUCT CURB TYPE A1-6 PER CALTRANS STANDARD PLANS



CENTER LINE TABLE

LINE/ CURVE	LENGTH	RADIUS	BEARING/DELTA
1	54.69		S07°22'52"W "R1"
CL1	132.93	502.12	15°10'07" "R1"
2	86.00		S23°33'57"W "R1"
3	210.00		S26°02'06"W "R1"
CL2	50.00	150.00	19°05'55" "R2"
4	31.33		S20°34'05"W "R2"
CL3	57.52	400.00	08°14'23" "R2"
CL4	64.14	189.36	19°24'32" "R3"
5	37.14		N72°56'43"W "R3"
CL5	60.86	250.00	13°56'57" "R4"
6	41.59		N71°48'55"E "R4"
CL6	204.14	132.00	88°36'37" "R4"

CURVE TABLE

CURVE	RADIUS	BOTTOM FOC
CL1	3.50	BOTTOM FOC
CL2	2.00	BOTTOM FOC
CL3	10.00	BOTTOM FOC
CL4	5.00	BOTTOM FOC
CL5	15.00	BOTTOM FOC

DESIGNED:	CADD BY:	CHECKED BY:	No.	REVISIONS	BY	DATE
DK	EG	LMW				


City of Placerville
 Engineering Department
 3101 Center Street
 Placerville, CA 95667
 (530) 642-5250 (530) 642-5568 fax

**PLACERVILLE STATION II
 PARK-N-BUS
 IMPROVEMENT PLANS**
 PLACERVILLE CALIFORNIA

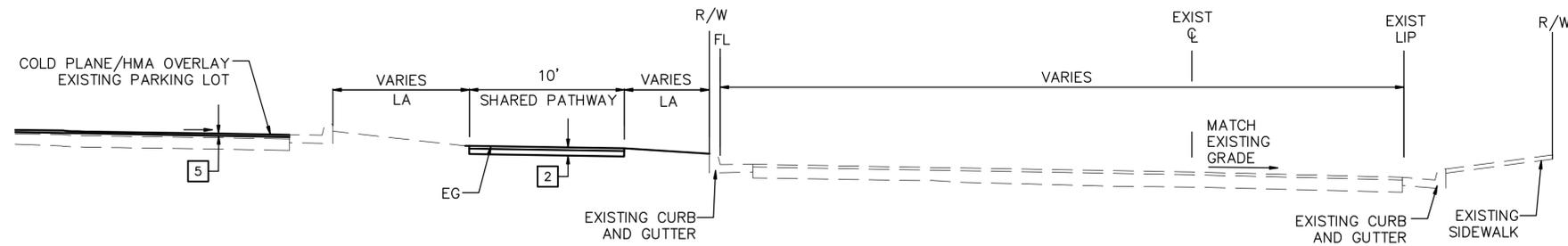
DATE: AUGUST 2022
 SCALE: 1"=20'
 one inch on original

BENCH MARK: TBM: #23
 ON SIDEWALK NEAR
 MOSQUITO RD AND SR50
 AT THE BEGINNING OF THE
 WESTBOUND RAMP.
 PK NAIL
 ELEV.: 1900.61

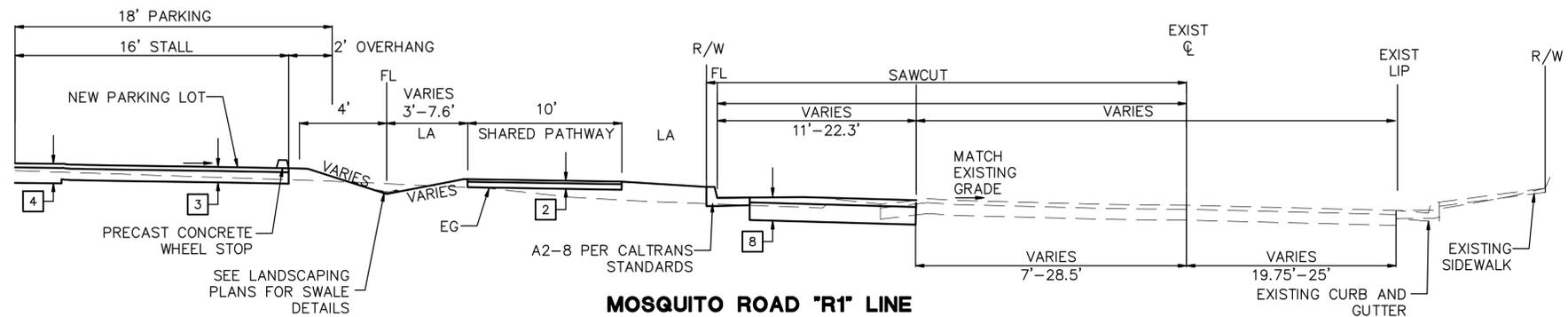
LAYOUT PLAN
 SHEET **3** OF **22**



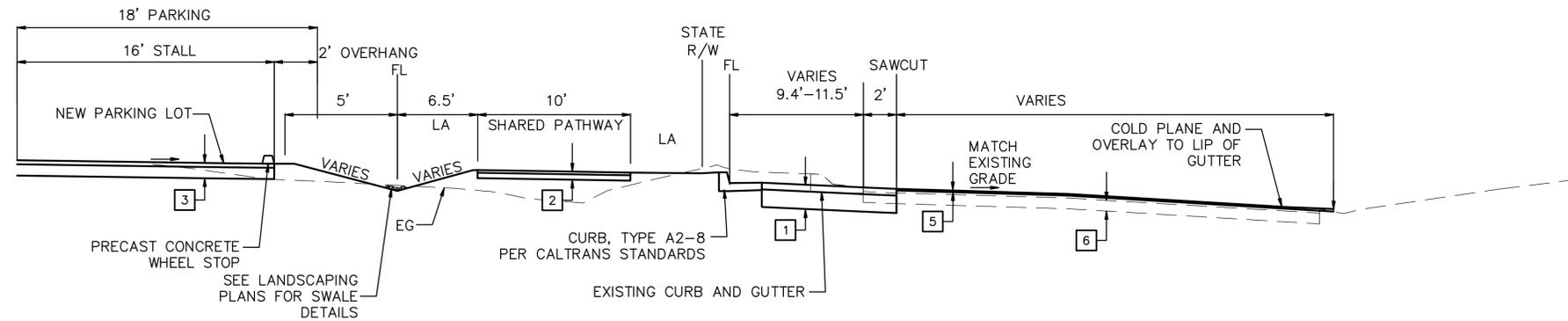
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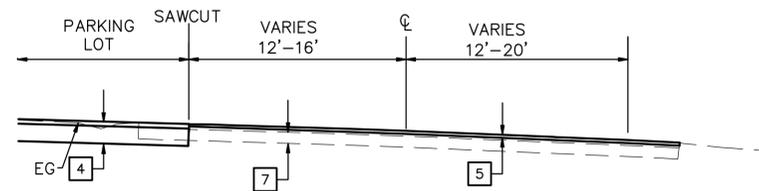
MOSQUITO ROAD 'R1' LINE
STA 12+62.73 TO STA 14+34.83



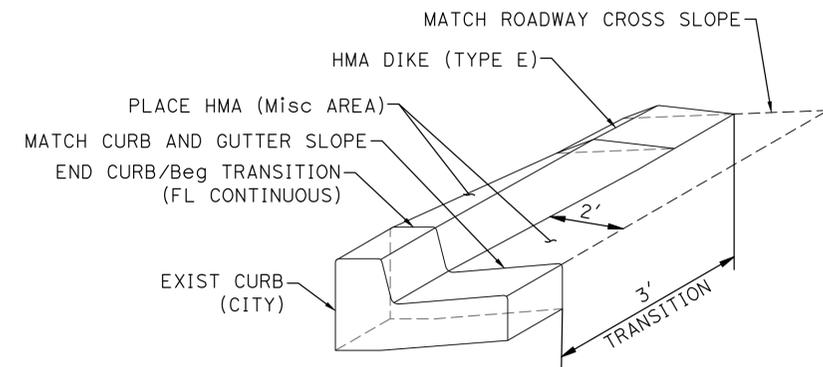
MOSQUITO ROAD 'R1' LINE
STA 10+00.00 TO STA 12+62.73



MOSQUITO ROAD 'R4' LINE
STA 10+00.00 TO STA 11+45.00



LOCUST AVE 'R3' LINE
STA 10+00.00 TO STA 11+01.28



CURB (TYPE A2-8) TO HMA DIKE (TYPE E)
CURB TRANSITION DETAIL
NOT TO SCALE

STRUCTURAL SECTIONS

1 TI=8.0, R=50
6.5" HMA TYPE A
9.5" AB CLASS 2

2 PATHWAY
3" HMA TYPE A
4" AB CLASS 2

3 PARKING LOT (STALLS BASE BID)
TI=5.5, R=50
3" HMA TYPE A
4" AB CLASS 2

4 PARKING LOT (GENERAL)
TI=6.5, R=50
3" HMA TYPE A
6" AB CLASS 2

5 COLD PLANE & OVERLAY
COLD PLANE ASPHALT CONCRETE PAVEMENT (2.5" MIN)
HMA (TYPE A) OVERLAY (1" MIN FINAL LIFT, 2.5" Typ)

6 Exist
3" AC
6" AB

7 Exist
2" AC
4" AB

8 TI=8.0, R=50
4" HMA TYPE A
9.5" AB CLASS 2

* Exist CALTRANS RAMPS
VARIES AC (3"-10")
6" AB
8" AS

DESIGNED: DK				
CADD BY: EG				
CHECKED BY: LMW				
No.	REVISIONS	BY	DATE	



City of Placerville
Engineering Department
3101 Center Street
Placerville, CA 95667
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PLACERVILLE STATION II
PARK-N-BUS
IMPROVEMENT PLANS
PLACERVILLE CALIFORNIA

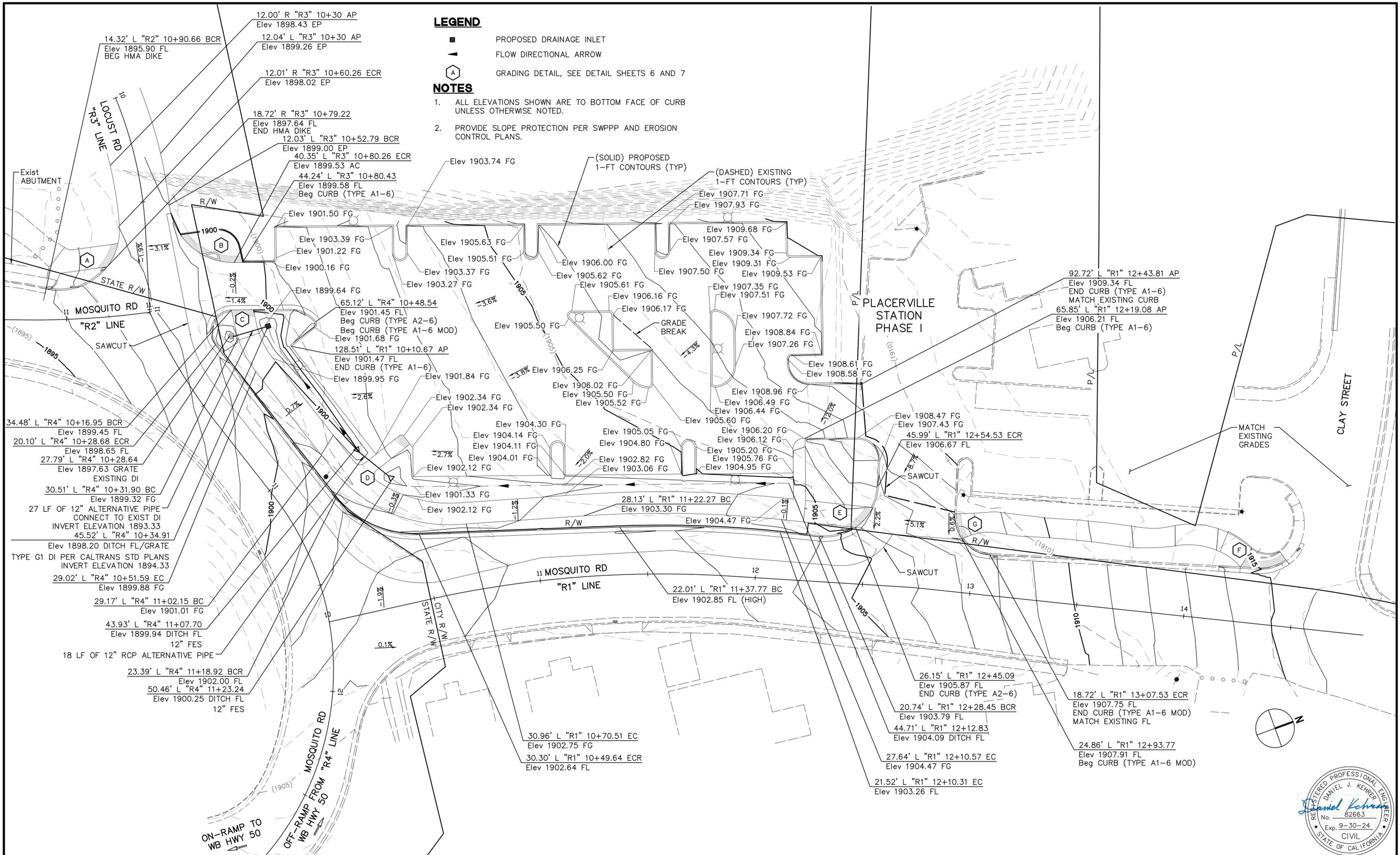
DATE: AUGUST 2022
SCALE: NO SCALE
one inch on original

BENCH MARK: TBM: #23
ON SIDEWALK NEAR
MOSQUITO RD AND SR50
DATUM: AT THE BEGINNING OF THE
WESTBOUND RAMP.
PK NAIL
ELEV.: 1900.61

CONSTRUCTION DETAILS

SHEET
4 OF
22





LEGEND

- PROPOSED DRAINAGE INLET
- ▲ FLOW DIRECTIONAL ARROW
- ⬡ GRADING DETAIL, SEE DETAIL SHEETS 6 AND 7

NOTES

1. ALL ELEVATIONS SHOWN ARE TO BOTTOM FACE OF CURB UNLESS OTHERWISE NOTED.
2. PROVIDE SLOPE PROTECTION PER SWPPP AND EROSION CONTROL PLANS.

34.48' L "R4" 10+16.95 BCR
Elev 1899.45 FL

20.10' L "R4" 10+28.68 ECR
Elev 1898.65 FL

27.79' L "R4" 10+28.64
Elev 1897.63 GRATE
EXISTING DI

30.51' L "R4" 10+31.90 BC
Elev 1899.32 FG

27 LF OF 12" ALTERNATIVE PIPE
CONNECT TO EXIST DI
INVERT ELEVATION 1893.33

45.52' L "R4" 10+34.91
Elev 1898.20 DITCH FL/GRATE
TYPE G1 DI PER CALTRANS STD PLANS
INVERT ELEVATION 1894.33

29.02' L "R4" 10+51.59 EC
Elev 1899.88 FG

29.17' L "R4" 11+02.15 BC
Elev 1901.01 FG

43.93' L "R4" 11+07.70
Elev 1899.94 DITCH FL
12" FES

18 LF OF 12" RCP ALTERNATIVE PIPE

23.39' L "R4" 11+18.92 BCR
Elev 1902.00 FL

50.46' L "R4" 11+23.24
Elev 1900.25 DITCH FL
12" FES

DESIGNED: DJK				
CADD BY: DJK				
CHECKED BY: LMW				
No.	REVISIONS	BY	DATE	



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**PLACERVILLE STATION II
PARK-N-BUS
IMPROVEMENT PLANS**

PLACERVILLE CALIFORNIA

DATE: AUGUST 2022
SCALE: 1"=20'
one inch on original

BENCH MARK: TBM: #23
ON SIDEWALK NEAR
MOSQUITO RD AND SR50
AT THE BEGINNING OF THE
WESTBOUND RAMP.
PK NAIL
ELEV.: 1900.61

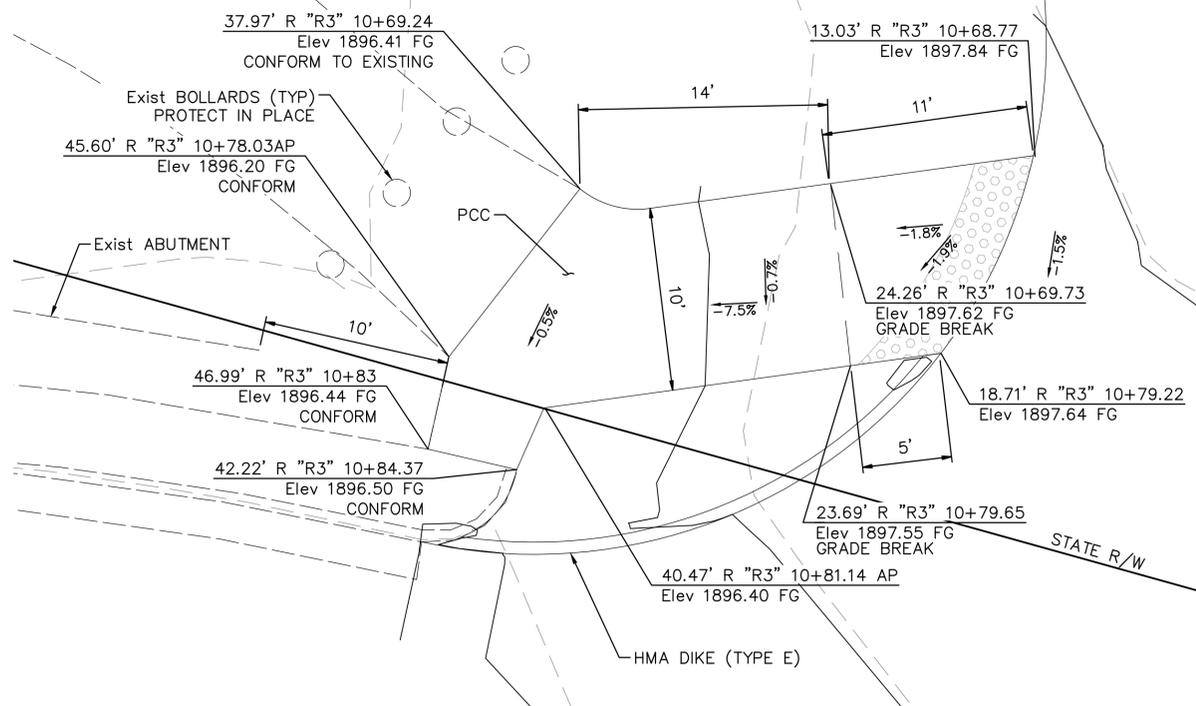
GRADING & DRAINAGE PLAN

SHEET
5 OF
22

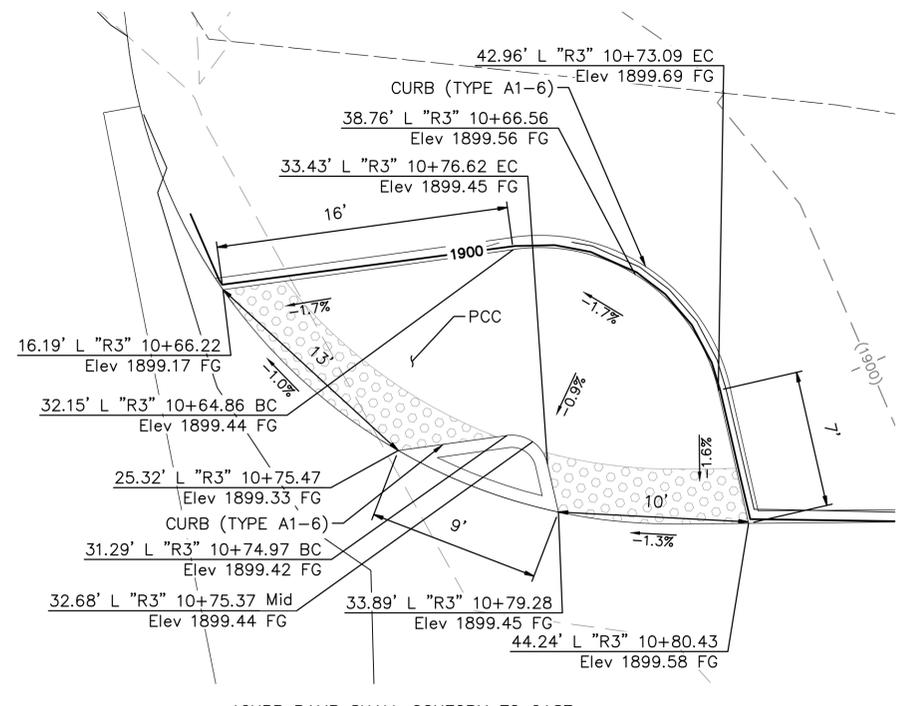


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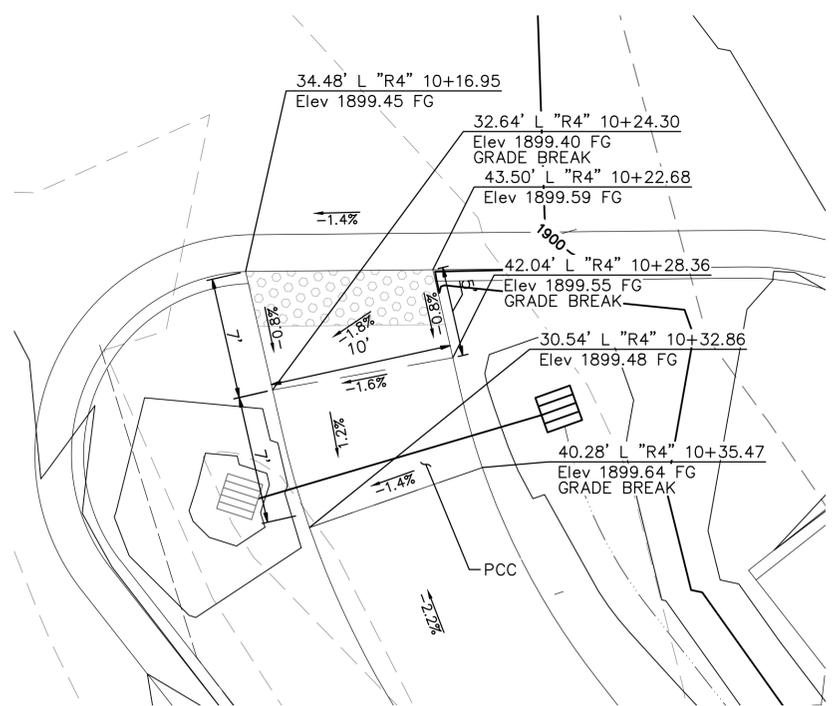
NOTE:
1. ALL TRUNCATED DOMES WILL BE COLONIAL RED.



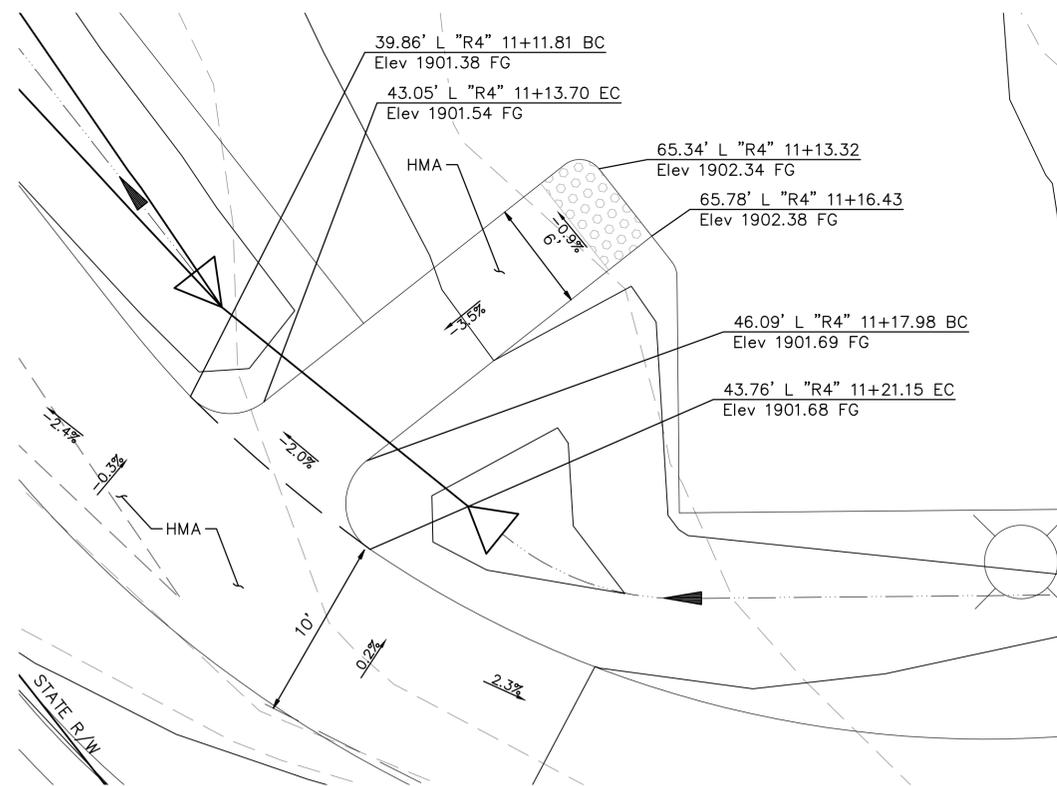
*CURB RAMP SHALL CONFORM TO CASE F CURB RAMP REQUIREMENTS ON CALTRANS STD PLAN A88A
GRADING DETAIL A
SCALE: 1"=5'



*CURB RAMP SHALL CONFORM TO CASE F AND CM CURB RAMP REQUIREMENTS ON CALTRANS STD PLAN A88A
GRADING DETAIL B
SCALE: 1"=5'



*CURB RAMP SHALL CONFORM TO CASE F CURB RAMP REQUIREMENTS ON CALTRANS STD PLAN A88A
GRADING DETAIL C
SCALE: 1"=5'



*CURB RAMP SHALL CONFORM TO CASE F CURB RAMP REQUIREMENTS ON CALTRANS STD PLAN A88A
GRADING DETAIL D
SCALE: 1"=5'



DESIGNED: DJK				
CADD BY: DJK				
CHECKED BY: LMW				
No.	REVISIONS	BY	DATE	

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**PLACERVILLE STATION II
PARK-N-BUS
IMPROVEMENT PLANS**
PLACERVILLE CALIFORNIA

DATE: AUGUST 2022
SCALE: AS SHOWN
one inch on original

BENCH MARK: TBM #23
ON SIDEWALK NEAR MOSQUITO RD AND SR50
AT THE BEGINNING OF THE WESTBOUND RAMP.
PK NAIL
ELEV.: 1900.61

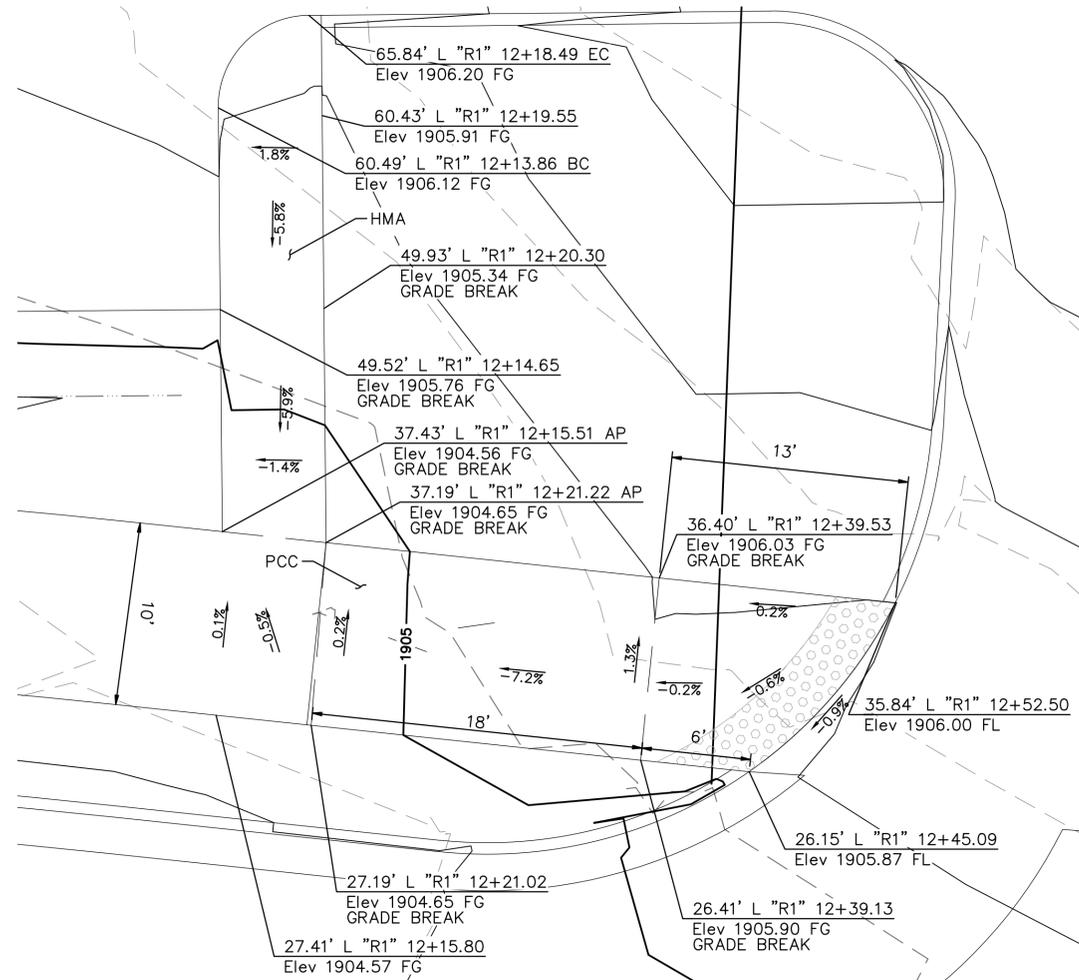
GRADING DETAILS

SHEET
6 OF
22

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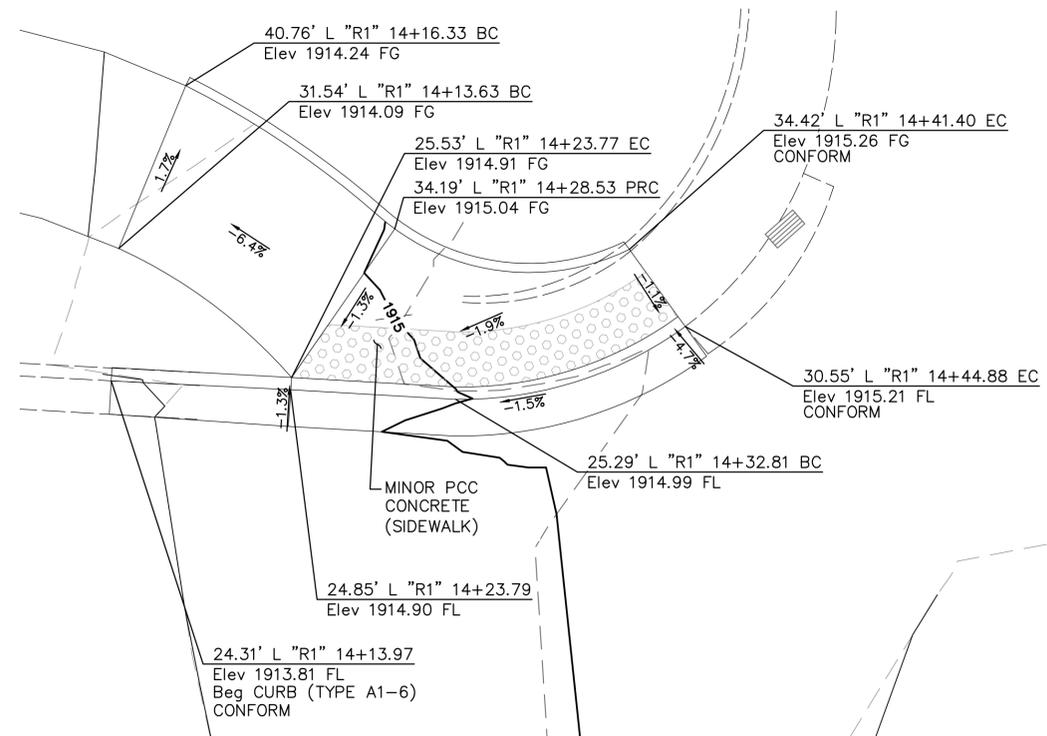
NOTE:

1. ALL TRUNCATED DOMES WILL BE COLONIAL RED.

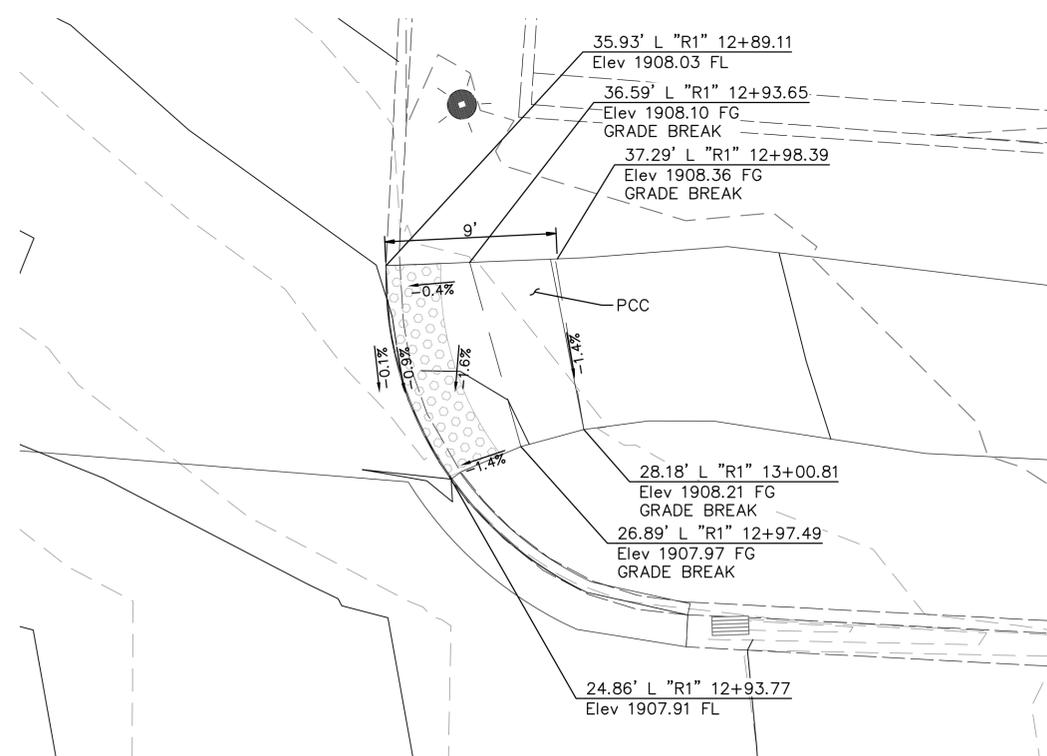


*CURB RAMP SHALL CONFORM TO CASE F CURB RAMP REQUIREMENTS ON CALTRANS STD PLAN A88A

GRADING DETAIL E
SCALE: 1"=5'



GRADING DETAIL F
SCALE: 1"=5'
*CURB RAMP SHALL CONFORM TO CASE C CURB RAMP REQUIREMENTS ON CALTRANS STD PLAN A88A



*CURB RAMP SHALL CONFORM TO CASE F CURB RAMP REQUIREMENTS ON CALTRANS STD PLAN A88A

GRADING DETAIL G
SCALE: 1"=5'

DESIGNED: DJK				
CADD BY: DJK				
CHECKED BY: LMW				
No.	REVISIONS	BY	DATE	

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**PLACERVILLE STATION II
PARK-N-BUS
IMPROVEMENT PLANS**
PLACERVILLE CALIFORNIA

DATE: AUGUST 2022
SCALE: AS SHOWN
one inch on original

BENCH MARK: TBM: #23
ON SIDEWALK NEAR MOSQUITO RD AND SR50 AT THE BEGINNING OF THE WESTBOUND RAMP.
PK NAIL
ELEV.: 1900.61

GRADING DETAILS

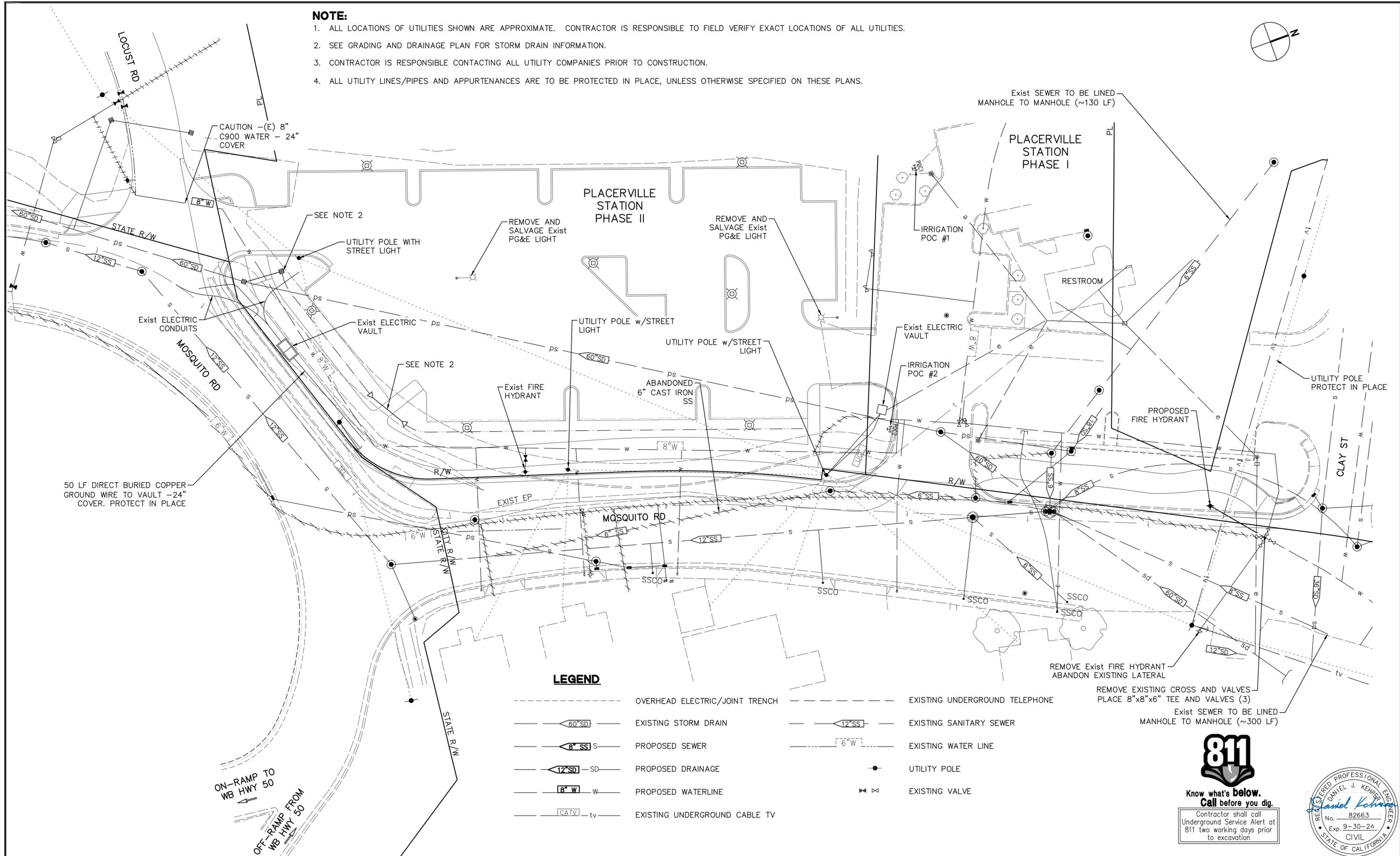
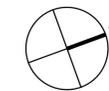
SHEET
7 OF
22



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NOTE:

1. ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXACT LOCATIONS OF ALL UTILITIES.
2. SEE GRADING AND DRAINAGE PLAN FOR STORM DRAIN INFORMATION.
3. CONTRACTOR IS RESPONSIBLE CONTACTING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION.
4. ALL UTILITY LINES/PIPES AND APPURTENANCES ARE TO BE PROTECTED IN PLACE, UNLESS OTHERWISE SPECIFIED ON THESE PLANS.



LEGEND

- OVERHEAD ELECTRIC/JOINT TRENCH
- EXISTING UNDERGROUND TELEPHONE
- 60"SD --- EXISTING STORM DRAIN
- 12"SS --- EXISTING SANITARY SEWER
- 8"SS S --- PROPOSED SEWER
- 6"W --- EXISTING WATER LINE
- 12"SD ---SD --- PROPOSED DRAINAGE
- UTILITY POLE
- 8"W --- W --- PROPOSED WATERLINE
- ⌘ EXISTING VALVE
- CATV ---tv --- EXISTING UNDERGROUND CABLE TV

REMOVE EXIST FIRE HYDRANT
ABANDON EXISTING LATERAL

REMOVE EXISTING CROSS AND VALVES
PLACE 8"x8"x6" TEE AND VALVES (3)

Exist SEWER TO BE LINED
MANHOLE TO MANHOLE (~300 LF)



Contractor shall call
Underground Service Alert at
811 two working days prior
to excavation



DESIGNED: DJK				
CADD BY: DJK				
CHECKED BY: LMW				
No.	REVISIONS	BY	DATE	



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**PLACERVILLE STATION II
PARK-N-BUS
IMPROVEMENT PLANS**

PLACERVILLE CALIFORNIA

DATE: AUGUST 2022
SCALE: 1"=20'
one inch on original

BENCH MARK: TBM: #23
ON SIDEWALK NEAR
MOSQUITO RD AND SR50
DATUM: AT THE BEGINNING OF THE
WESTBOUND RAMP.
PK NAIL ELEV.: 1900.61

UTILITY PLAN

SHEET
8 OF
22

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LEGEND

- # STRIPING DETAIL NUMBER PER STATE STANDARD PLANS
- CW TEXTURED HMA CROSSWALK (SEE SHEET 13 FOR PATTERN AND COLOR)
- PS 4" WHITE THERMOPLASTIC PARKING STRIPE
- LL 12" THERMOPLASTIC LIMIT LINE PER STATE STANDARD PLANS

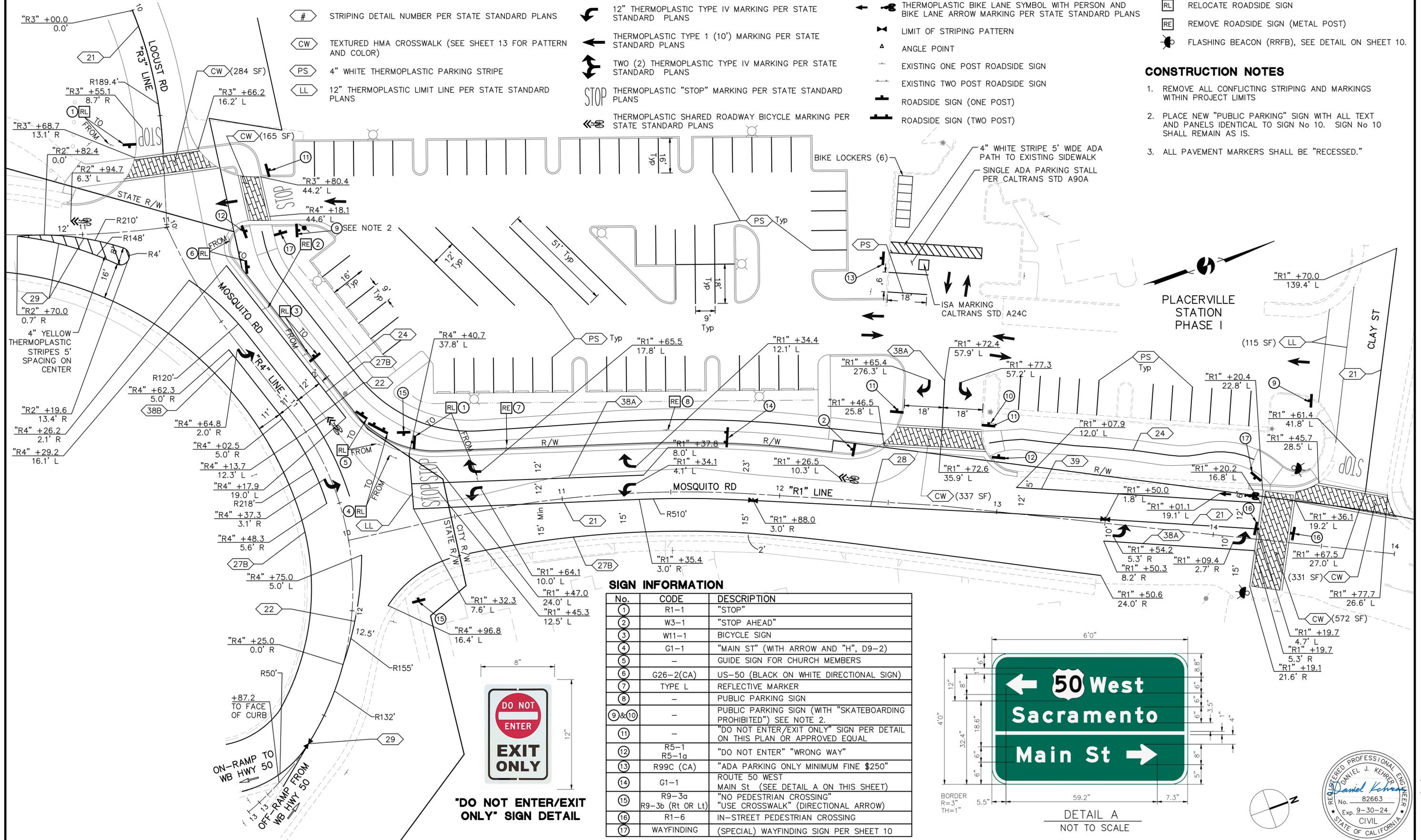
- 12" THERMOPLASTIC TYPE IV MARKING PER STATE STANDARD PLANS
- THERMOPLASTIC TYPE 1 (10') MARKING PER STATE STANDARD PLANS
- TWO (2) THERMOPLASTIC TYPE IV MARKING PER STATE STANDARD PLANS
- STOP THERMOPLASTIC "STOP" MARKING PER STATE STANDARD PLANS
- THERMOPLASTIC SHARED ROADWAY BICYCLE MARKING PER STATE STANDARD PLANS

- THERMOPLASTIC BIKE LANE SYMBOL WITH PERSON AND BIKE LANE ARROW MARKING PER STATE STANDARD PLANS
- LIMIT OF STRIPING PATTERN
- ANGLE POINT
- EXISTING ONE POST ROADSIDE SIGN
- EXISTING TWO POST ROADSIDE SIGN
- ROADSIDE SIGN (ONE POST)
- ROADSIDE SIGN (TWO POST)

- RL RELOCATE ROADSIDE SIGN
- RE REMOVE ROADSIDE SIGN (METAL POST)
- FLASHING BEACON (RRFB), SEE DETAIL ON SHEET 10.

CONSTRUCTION NOTES

1. REMOVE ALL CONFLICTING STRIPING AND MARKINGS WITHIN PROJECT LIMITS
2. PLACE NEW "PUBLIC PARKING" SIGN WITH ALL TEXT AND PANELS IDENTICAL TO SIGN No 10. SIGN No 10 SHALL REMAIN AS IS.
3. ALL PAVEMENT MARKERS SHALL BE "RECESSED."



SIGN INFORMATION

No.	CODE	DESCRIPTION
1	R1-1	"STOP"
2	W3-1	"STOP AHEAD"
3	W11-1	BICYCLE SIGN
4	G1-1	"MAIN ST" (WITH ARROW AND "H", D9-2)
5	-	GUIDE SIGN FOR CHURCH MEMBERS
6	G26-2(CA)	US-50 (BLACK ON WHITE DIRECTIONAL SIGN)
7	TYPE L	REFLECTIVE MARKER
8	-	PUBLIC PARKING SIGN
9&10	-	PUBLIC PARKING SIGN (WITH "SKATEBOARDING PROHIBITED") SEE NOTE 2.
11	-	"DO NOT ENTER/EXIT ONLY" SIGN PER DETAIL ON THIS PLAN OR APPROVED EQUAL
12	R5-1 R5-1a	"DO NOT ENTER" "WRONG WAY"
13	R99C (CA)	"ADA PARKING ONLY MINIMUM FINE \$250"
14	G1-1	ROUTE 50 WEST MAIN ST (SEE DETAIL A ON THIS SHEET)
15	R9-3a R9-3b (Rt OR Lt)	"NO PEDESTRIAN CROSSING" "USE CROSSWALK" (DIRECTIONAL ARROW)
16	R1-6	IN-STREET PEDESTRIAN CROSSING
17	WAYFINDING	(SPECIAL) WAYFINDING SIGN PER SHEET 10



"DO NOT ENTER/EXIT ONLY" SIGN DETAIL



DETAIL A
NOT TO SCALE

DESIGNED: DK			
CADD BY: EG			
CHECKED BY: LMW			
No.	REVISIONS	BY	DATE

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 Engineering Department
 3101 Center Street
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**PLACERVILLE STATION II
 PARK-N-BUS
 IMPROVEMENT PLANS**
 PLACERVILLE CALIFORNIA

DATE: AUGUST 2022
 SCALE: 1"=20'
 one inch on original

BENCH MARK: TBM: #23
 ON SIDEWALK NEAR
 MOSQUITO RD AND SR50
 AT THE BEGINNING OF THE
 WESTBOUND RAMP.
 DATUM: PK NAIL
 ELEV.: 1900.61

PAVEMENT DELINEATION & SIGN PLAN

SHEET
9 OF
22



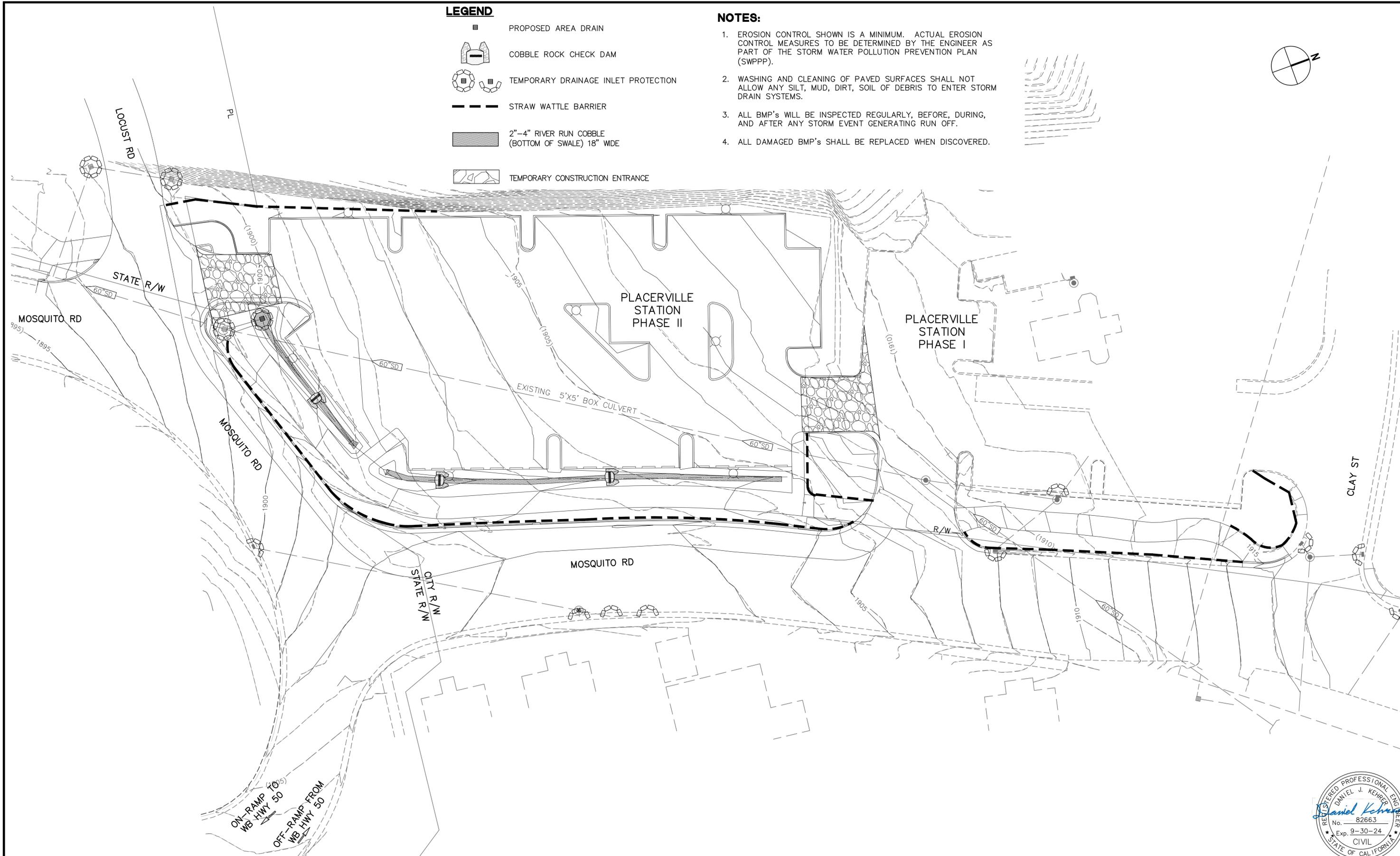
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LEGEND

-  PROPOSED AREA DRAIN
-  COBBLE ROCK CHECK DAM
-  TEMPORARY DRAINAGE INLET PROTECTION
-  STRAW WATTLE BARRIER
-  2"-4" RIVER RUN COBBLE (BOTTOM OF SWALE) 18" WDE
-  TEMPORARY CONSTRUCTION ENTRANCE

NOTES:

1. EROSION CONTROL SHOWN IS A MINIMUM. ACTUAL EROSION CONTROL MEASURES TO BE DETERMINED BY THE ENGINEER AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
2. WASHING AND CLEANING OF PAVED SURFACES SHALL NOT ALLOW ANY SILT, MUD, DIRT, SOIL OR DEBRIS TO ENTER STORM DRAIN SYSTEMS.
3. ALL BMP'S WILL BE INSPECTED REGULARLY, BEFORE, DURING, AND AFTER ANY STORM EVENT GENERATING RUN OFF.
4. ALL DAMAGED BMP'S SHALL BE REPLACED WHEN DISCOVERED.



ON-RAMP TO
WB HWY 50

OFF-RAMP FROM
WB HWY 50



DESIGNED: DJK				
CADD BY: DJK				
CHECKED BY: LMW				
No.	REVISIONS	BY	DATE	

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**PLACERVILLE STATION II
PARK-N-BUS
IMPROVEMENT PLANS**

PLACERVILLE CALIFORNIA

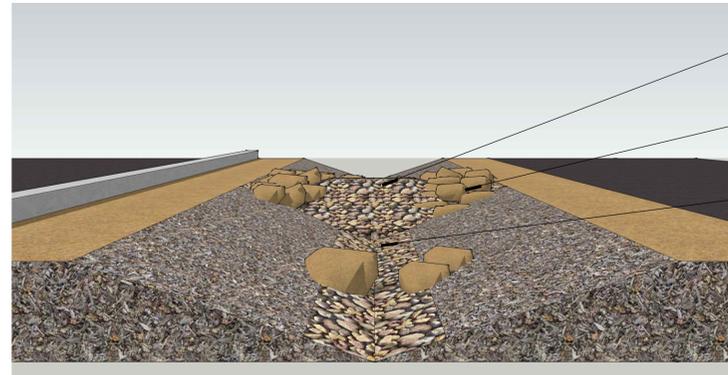
DATE: AUGUST 2022
SCALE: 1"=20'
one inch on original

BENCH MARK: TBM: #23
ON SIDEWALK NEAR
MOSQUITO RD AND SR50
DATUM: AT THE BEGINNING OF THE
WESTBOUND RAMP.
PK NAIL
ELEV.: 1900.61

EROSION CONTROL PLAN

SHEET
11 OF
22

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2"-4" COBBLE ROCK
PILED IN CHANNEL TO
ACT AS A CHECK DAM

4"-6" COBBLE ON
SIDE OF CHECK DAM

2"-4" COBBLE IN BOTTOM
OF CHANNEL 12"-18" WIDE

CHECK DAM ILLUSTRATIVE SECTION

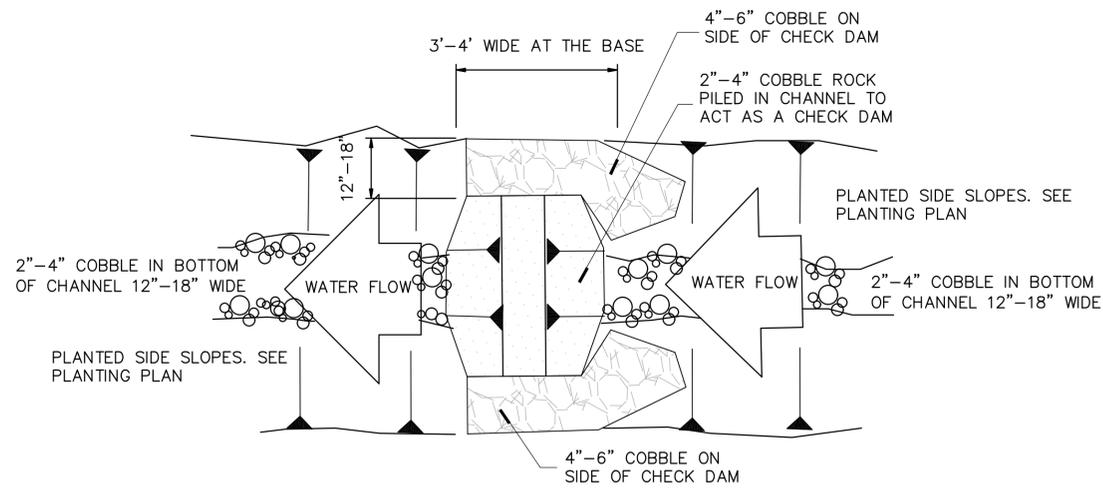


4"-6" COBBLE ON
SIDE OF CHECK DAM

2"-4" COBBLE ROCK
PILED IN CHANNEL TO
ACT AS A CHECK DAM

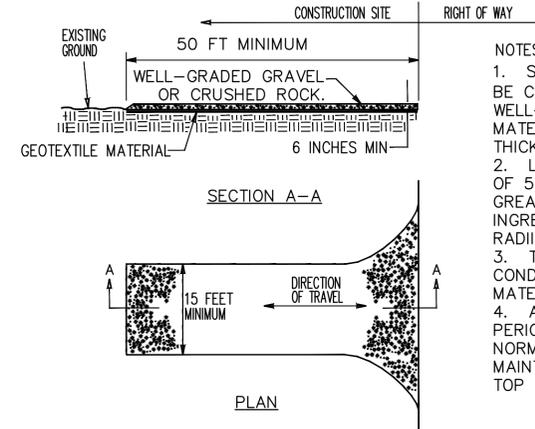
2"-4" COBBLE IN BOTTOM
OF CHANNEL 12"-18" WIDE

CHECK DAM DESIGN INTENT



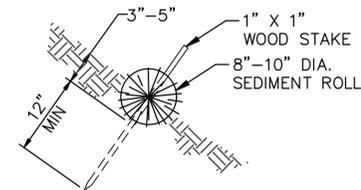
CHECK DAMS TO BE CONSTRUCTED FROM CLEAN RIVER RUN COBBLE ROCK, USING 4"-8" COBBLE ROCK ALONG SIDES, AND 2"-4" COBBLE ROCK PILED IN THE MAIN CHANNEL OF THE CHECK DAM. SEE PLANTING PLAN SHEET FOR ILLUSTRATIVE CONCEPT OF PROPOSED DAM DESIGN INTENT.

COBBLE ROCK CHECK DAM



- NOTES
1. STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED OF 3" TO 6" WASHED, WELL-GRADED GRAVEL OR CRUSHED ROCK. MATERIAL SHALL BE PLACED TO A MINIMUM THICKNESS OF 6 INCHES.
 2. LENGTH OF ENTRANCE SHALL BE A MINIMUM OF 50 FEET. WIDTH SHALL BE A MIN. OF 15 FT OR GREATER IF NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS. PROVIDE AMPLE TURNING RADII.
 3. THE ENTRANCE SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING WITH MATERIAL AS SPECIFIED IN NOTE 1.
 4. ACCESSES SHALL BE INSPECTED WEEKLY DURING PERIODS OF HEAVY USAGE, MONTHLY DURING NORMAL USAGE, AND AFTER EACH RAINFALL, WITH MAINTENANCE PROVIDED AS NECESSARY. PERIODIC TOP DRESSING SHALL BE DONE AS NEEDED.

STABILIZED CONSTRUCTION ENTRANCE
(NOT TO SCALE)



**ENTRENCHMENT DETAIL
IN SLOPED AREA**

SEDIMENT FIBER ROLL DETAIL

DESIGNED: DJK				
CADD BY: DJK				
CHECKED BY: LMW				
No.	REVISIONS	BY	DATE	



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Placerville, CA 95667
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**PLACERVILLE STATION II
PARK-N-BUS
IMPROVEMENT PLANS**

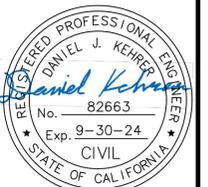
PLACERVILLE CALIFORNIA

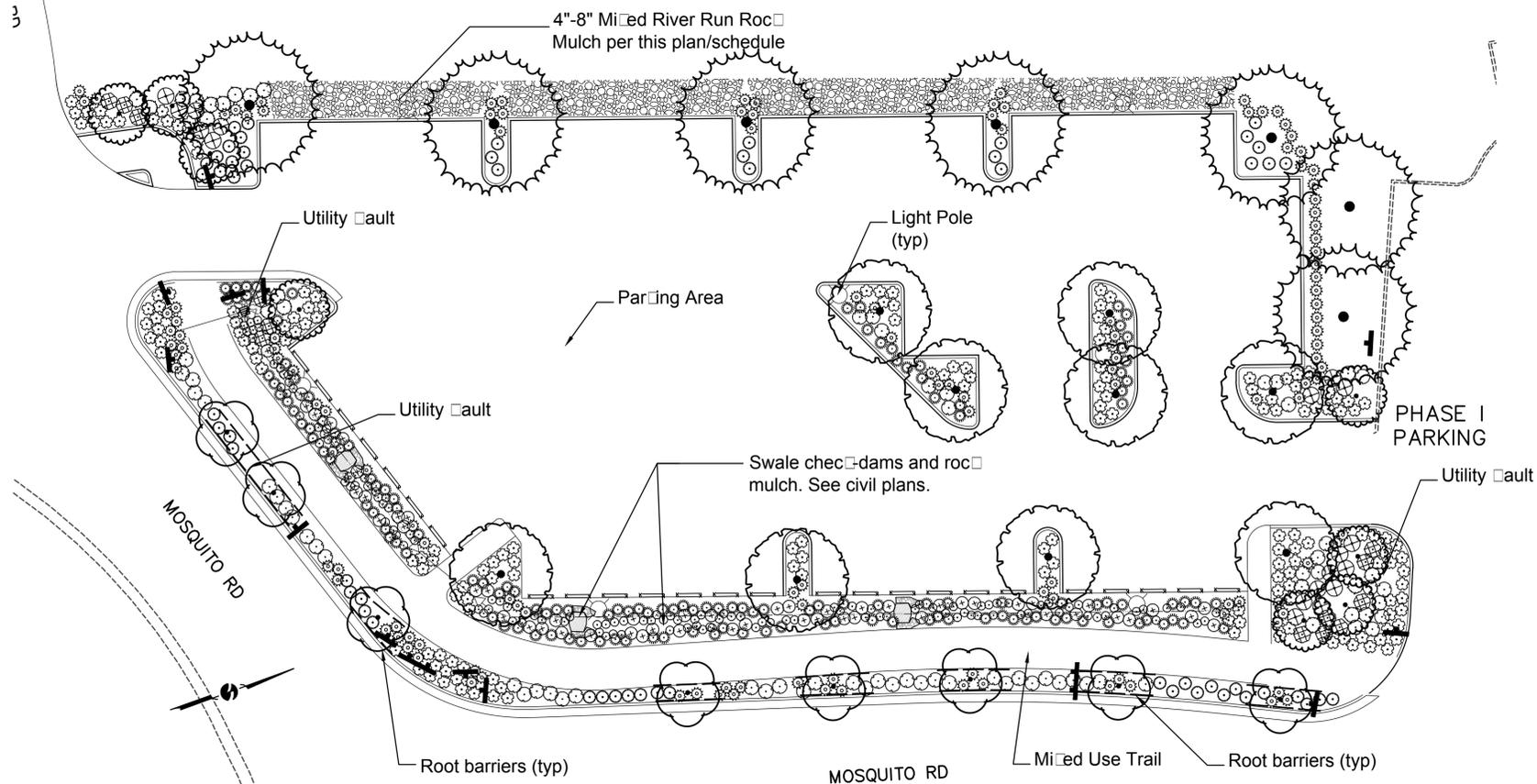
DATE: AUGUST 2022
SCALE: 1"=20'
one inch on original

BENCH MARK: TBM: #23
ON SIDEWALK NEAR
MOSQUITO RD AND SR50
DATUM: AT THE BEGINNING OF THE
WESTBOUND RAMP.
PK NAIL
ELEV.: 1900.61

EROSION CONTROL DETAILS

SHEET
12 OF
22



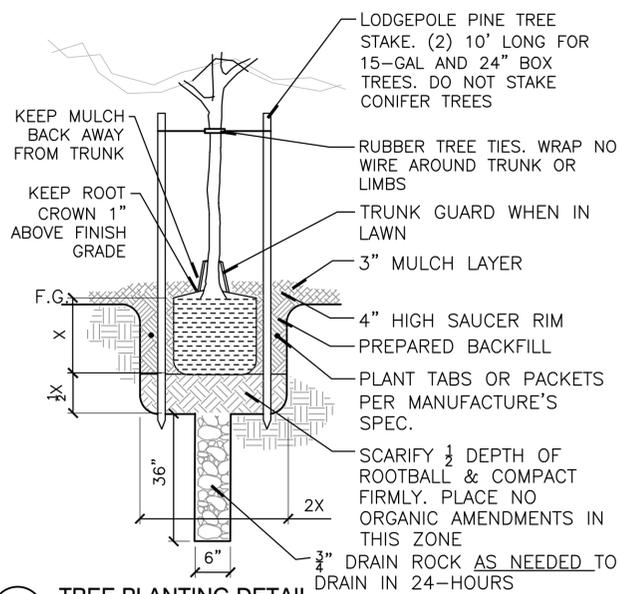


PLANT SCHEDULE AREA 1

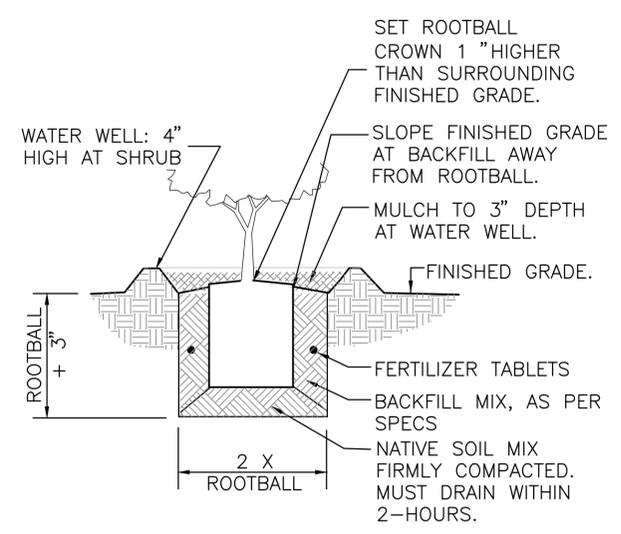
TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	
	9	Acer rubrum 'Redpointe'	Redpoint Maple	15 gal	
	8	Lagerstroemia indica 'Watermelon Red'	Watermelon Red Crape Myrtle	24" Box	
	8	Malus x 'Royalty'	Royalty Crab Apple	15 gal	
NATIVE TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	
	7	Quercus wislizenii	Interior Live Oak	24" Box	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	
	56	Arctostaphylos x 'Emerald Carpet'	Emerald Carpet Manzanita	1 Gal	
	18	Callistemon citrinus 'Little John'	Dwarf Bottle Brush	5 gal	
	65	Ceanothus maritimus 'Valley Violet'	Maritime Ceanothus	5 gal	
	13	Cistus x pulverulentus 'Sunset'	Hot Pink Rockrose	5 gal	
	136	Dietes bicolor	Fortnight Lily	5 gal	
	168	Teucrium cossonii	Creeping Germander	1 gal	
GRASSES	QTY	BOTANICAL NAME	COMMON NAME	CONT	
	54	Carex praegracilis	Slender Sedge	1 Gal	
	139	Festuca mairei	Atlas Fescue	1 gal	
	121	Juncus patens 'Carman's Grey'	Spreading Rush	1 Gal	
	17	Muhlenbergia rigens	Deer Grass	1 gal	
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING
	1,902 sf	RIVER RUN ROCK MULCH	4"-8" SIZE MIXED RIVER RUN COBBLE ROCK	SF	

GENERAL PLANTING NOTES

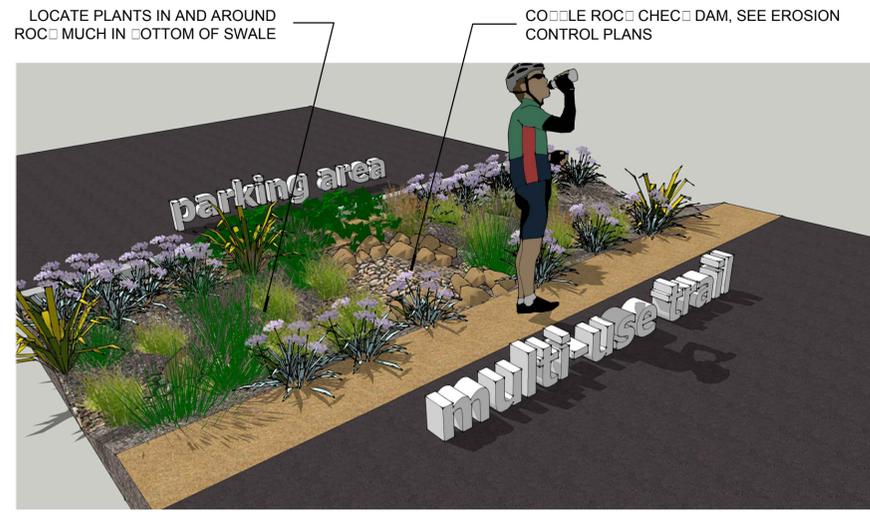
- The plant quantities are provided for the convenience of the owner. The contractor shall verify all plant counts between the plant list and the plans. If a discrepancy exists, the plans shall govern.
- Notify Landscape Architect immediately if materials are not available as specified. All plant materials are subject to the approval of the record Landscape Architect.
- No planting shall be started until finish grading is complete and reviewed by Landscape Architect, and irrigation has been installed and approved by City inspector.
- Excavated pits shall have positive drainage within 2-hours when fully flooded with water. Contractor to demonstrate to City inspector that plant holes drain in 2-hours before planting may commence. Contractor shall correct deficient drainage utilizing drilled drain holes filled with 3/4" drain rock. Depth of drain holes as needed.
- After planting is complete, spread wood mulch to a minimum depth of 3-inches. Contractor shall submit a sample of the bar mulch to the City Engineer and Landscape Architect for review and approval prior to delivery of mulch to site.
- Install root barriers at all tree locations indicated on the plan. Root barriers to be 24-inch Universal Guide (U-24-2) by Deep Root, or approved equal.



1 TREE PLANTING DETAIL
NOT TO SCALE



2 SHRUB PLANTING DETAIL
1" = 1'-0"



BIO-SWALE DESIGN INTENT ILLUSTRATION

SOILS REPORT

- Soils management report of site soil conditions to be PROVIDED BY CONTRACTOR after site grading completion, but prior to landscape planting.
- Contractor to provide soil analysis certification of all imported soil used for backfill in planter areas.
- Amend soil per report as needed.
- The Contractor, shall submit documentation verifying implementation of soil analysis report recommendations with the Project Certificate of Completion.

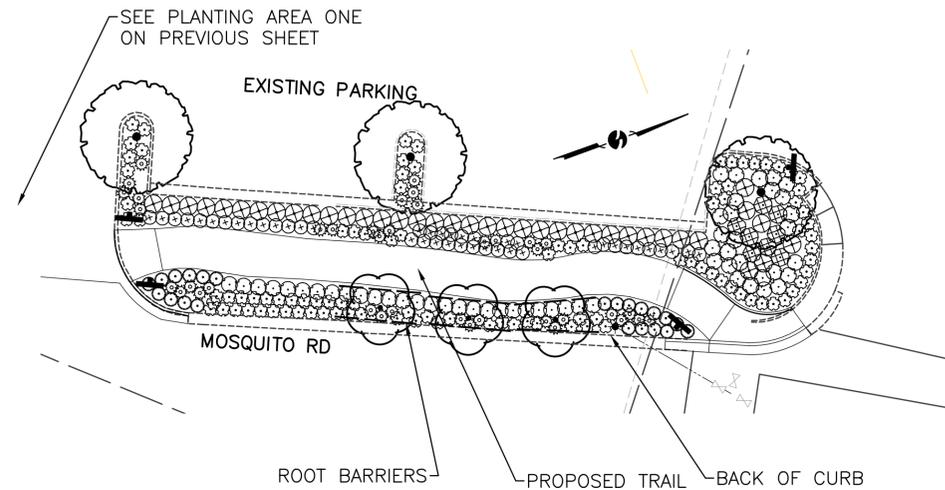


DESIGNED: SAR	<p>City of Placerville Engineering Department 3101 Center Street Placerville, CA 95667 (530) 642-5250 (530) 642-5568 fax</p>	<p>PLACERVILLE STATION II PARK-N-BUS IMPROVEMENT PLANS</p> <p>PLACERVILLE CALIFORNIA</p>	DATE: AUGUST 2022	BENCH MARK: TBM: #23	<p>PLANTING PLAN 1</p> <p>13 OF 22</p>							
CADD BY: SAR			SCALE: 1"=20'	DATUM: AT THE BEGINNING OF THE WESTBOUND RAMP. PK NAIL								
CHECKED BY: SAR			one inch on original	ELEV.: 1900.61								
<table border="1"> <thead> <tr> <th>No.</th> <th>REVISIONS</th> <th>BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		No.	REVISIONS	BY	DATE					<p>ON SIDEWALK NEAR MOSQUITO RD AND SR50 AT THE BEGINNING OF THE WESTBOUND RAMP. PK NAIL</p>		<p>SHEET</p> <p>13 OF 22</p>
No.	REVISIONS	BY	DATE									

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PLANT SCHEDULE AREA 2

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT
	3	Acer rubrum 'Redpointe'	Redpoint Maple	15 gal
	3	Lagerstroemia indica 'Watermelon Red'	Watermelon Red Crape Myrtle	24" Box
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT
	22	Arctostaphylos x 'Emerald Carpet'	Emerald Carpet Manzanita	1 Gal
	38	Callistemon citrinus 'Little John'	Dwarf Bottle Brush	5 gal
	43	Ceanothus maritimus 'Valley Violet'	Maritime Ceanothus	5 gal
	8	Cistus x pulverulertus 'Sunset'	Hot Pink Rockrose	5 gal
	38	Diets bicolor	Fortnight Lily	5 gal
	100	Teucrium cossonii	Creeping Germander	1 gal
GRASSES	QTY	BOTANICAL NAME	COMMON NAME	CONT
	42	Carex praegracilis	Slender Sedge	1 Gal
	11	Muhlenbergia rigens	Deer Grass	1 gal



PLANTING AREA 2 PROPOSED NEW PLANTING AREA. IT IS EXPECTED THAT ALL EXISTING PLANT MATERIALS IN THIS AREA WILL BE REMOVED. AMEND SOIL WITH ORGANIC MATERIALS AS NEEDED PER SOIL TEST.



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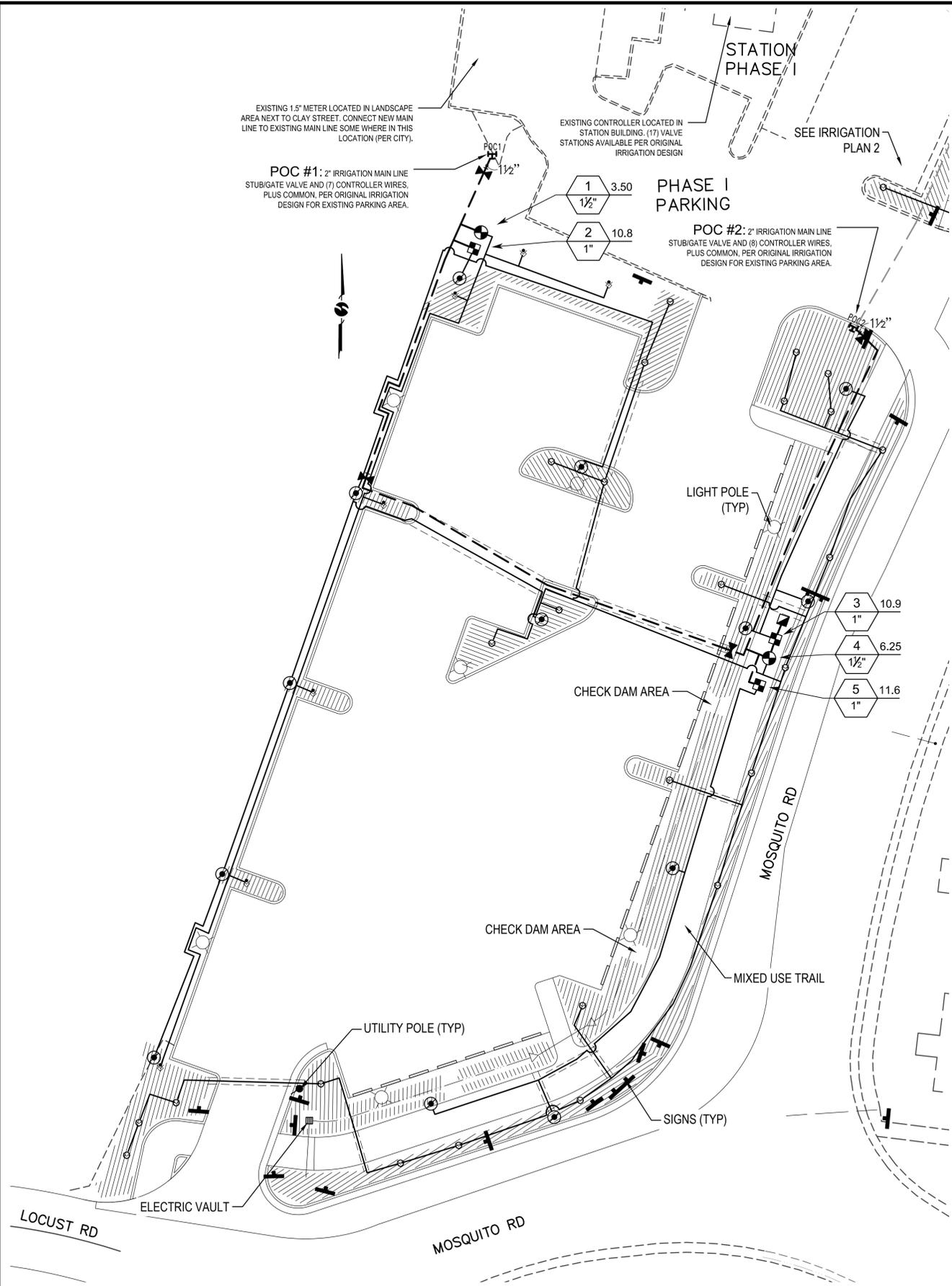
**PLACERVILLE STATION II
 PARK-N-BUS
 IMPROVEMENT PLANS**
 PLACERVILLE CALIFORNIA

DATE: AUGUST 2022
 SCALE: 1"=20'
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BENCH MARK: TBM: #23
 ON SIDEWALK NEAR
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PLANTING PLAN 2

SHEET
14 OF
22



IRRIGATION SCHEDULE AREA 1

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Rain Bird RWS-M-B-C-SOCK Mini Root Watering System with 4" diameter x 18" long with locking grate, semi-rigid mesh tube with sand sock and Rain Bird 1401 0.25gpm or 1402 0.50gpm bubbler as indicated, with check valve.	32
	Rain Bird XZC-100-PRB-COM Drip Control Kit, 1" PESB valve, 1" Basket Filter, and 40psi Pressure Regulator, 1" Ball Valve.	3
	Pipe Transition Point Pipe transition point from PVC lateral to drip tubing with riser in drip box.	13
	Area to Receive Dripline Rain Bird XFD-06-18 XFD On-Surface Pressure Compensating Landscape Dripline. 0.6 GPH emitters at 18" O.C. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern. UV Resistant. Specify XF insert fittings.	4,413 I.f.
	Rain Bird PEB-PRS-D Electric Remote Control Valve with Pressure Regulator.	2
	Rain Bird 3RC 3/4" Quick Coupler Valve, one piece body	1
	Nibco T-29-K 200 PSI CWP Bronze Gate Valve, Cross Handle, Size Range - 1/2" - 2"	4
	Point of Connection 1-1/2" City of Placerville - existing 2" main line in north parking lot (4" conduit)	1
	Point of Connection 2" City of Placerville - existing 2" main line in north parking lot	1
	Irrigation Lateral Line: CPVC Schedule 40	1,928 I.f.
	Irrigation Mainline: PVC Schedule 40 1.5" DIA	398.6 I.f.
	Pipe Sleeve: PVC Schedule 40	295.6 I.f.

CERTIFICATE OF COMPLIANCE

Upon completion of the installation of the landscaping, the Contractor shall notify the Landscape Architect so that the City's representative can certify that the landscape complies with all State water conserving landscape requirements. Certification shall be accomplished by completion of the State or City's certificate of compliance on a form approved by the City of Placerville.

IRRIGATION AUDIT

An irrigation audit report shall be completed at the time of final inspection. The audit shall be conducted by a third party certified landscape irrigation auditor - not by the person who designed the landscape or installed the landscape.

GENERAL IRRIGATION NOTES

- Irrigation Point of Connection is from two (2) 2-inch P-C main line locations that should be stubbed at / or near the locations indicated on the plan. Stubs should include control wires and common wire. Main line is designed to create a looped system back to the existing looped system. Contractor to begin irrigation system install from existing looped irrigation main line stubs and install new valves for new planting areas.
- The new valves for this project shall be connected to the existing 24-station controller located in the Station Building (in existing north area parking lot). Adequate valve wire and common wire should be stubbed at POC's to connect new valves.
- Irrigation system shall not be installed until landscape grading is complete, reviewed by landscape architect, and approved by City Engineer.
- The irrigation system shall be installed in accordance with all local codes and regulations. All materials shall be in new perfect condition and commercial grade. Deviations from the specified must be approved by the Landscape Architect or City Engineer.
- Contractor shall verify the location of all planting areas prior to start of project. Notify Landscape Architect of any discrepancies prior to trenching.
- Plan is diagrammatic and not intended to show exact locations of piping and valves. Locate as closely as possible to related curbs and edges of paving.
- All 24-volt wiring under paving (A.C.) and walls shall be installed in P-C SCH 40 plastic pipe sleeves to accommodate wire bundle (1" minimum). All new sleeves shall have sand backfill, three (3) inches above and below pipe. Contractor shall be required to install sleeves under walls and paved areas around buildings. 24-volt wiring sleeves shall have minimum 18-inch cover under walls and 24-inch cover under parking lot and drives.
- House remote control valves in rectangular plastic valve box with bolt down cover. Place valve twelve (12) inches from adjacent sidewalk curb or header board. Set top of valve box even with finish grade. Place one (1) inch drain rock under valve to a six (6) inch depth with a three (3) inch clearance under valve. Install a gate valve ahead of each single remote control valve or one for each cluster of remote control valves.
- House quick coupling valves in 10-inch round plastic valve box with bolt down lid. Set top of valve box even with finish grade. State quick coupling valves with stabilizer consisting of 3/4" angle iron, twelve (12) inches long connected to quick coupling valve with "U" bolt. Place one (1) inch drain rock under quick coupling valve and box to a twelve (12) inch depth according to detail.
- Adjust flow controls on all remote control valves to correct operating pressure at bubbler / emitters at farthest location from POC's.
- All main line, gate valves, RC's and QCV's shall be installed in planting areas, whether shown there or not.
- Irrigation sleeve size to be twice the size of irrigation pipe. Irrigation sleeves to extend 18" minimum beyond back of curb and be a minimum of 18" from any paving proposed inside median. Install proposed lateral lines within irrigation sleeves. Lateral line shall extend a minimum of 2'-0" beyond end of sleeve. Cap and test main line section in sleeve per irrigation specifications prior to backfilling trench in road area. SCH 40 P-C sleeves to be used under all roadway / sidewalk pavement.
- The contractor is responsible for the final irrigation schedule showing a minimum of four-seasons.
- The watering schedule shall include run time and frequency of irrigation for each station with irrigation occurring between sunset and sunrise. Should an individual station require more than one cycle within a 24-hour period, the minimum time between cycles shall be 1-hour.
- Contractor shall provide a copy of the schedule, irrigation as-builts and any other appurtenances necessary for the use and maintenance of the system per the specifications to the City of Placerville Engineer.
- See Irrigation Detail sheet for Water Use Calculations.

DESIGNED: SAR				
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No.	REVISIONS	BY	DATE	

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(530) 642-5250 (530) 642-5568 fax

**PLACERVILLE STATION II
PARK-N-BUS
IMPROVEMENT PLANS**

PLACERVILLE CALIFORNIA

DATE: AUGUST 2022
SCALE: 1"=20'
one inch on original

BENCH MARK: TBM #23
ON SIDEWALK NEAR
MOSQUITO RD AND SR50
DATUM: AT THE BEGINNING OF THE
WESTBOUND RAMP.
PK NAIL
ELEV.: 1900.61

IRRIGATION PLAN 1

SHEET
15 OF
22



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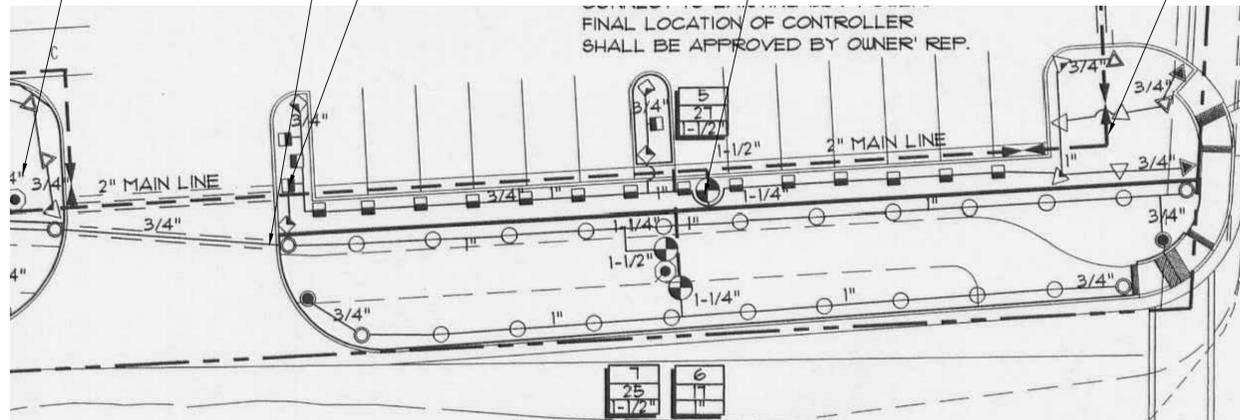
PROPOSED NEW IRRIGATION AND PLANTING DESIGN PER PLANS IN THIS SET

CUT / CAP CONNECTION ACROSS DRIVEWAY.

REMOVE EXISTING IRRIGATION HEADS AND LATERAL LINES

ASSUMED (3) EXISTING VALVES TO BE RE-USED.

ASSUMED MAIN LINE LOCATION



FINAL LOCATION OF CONTROLLER SHALL BE APPROVED BY OWNER REP.

ORIGINAL IRRIGATION DESIGN OTHERS

DIRECTIONS TO CONTRACTOR

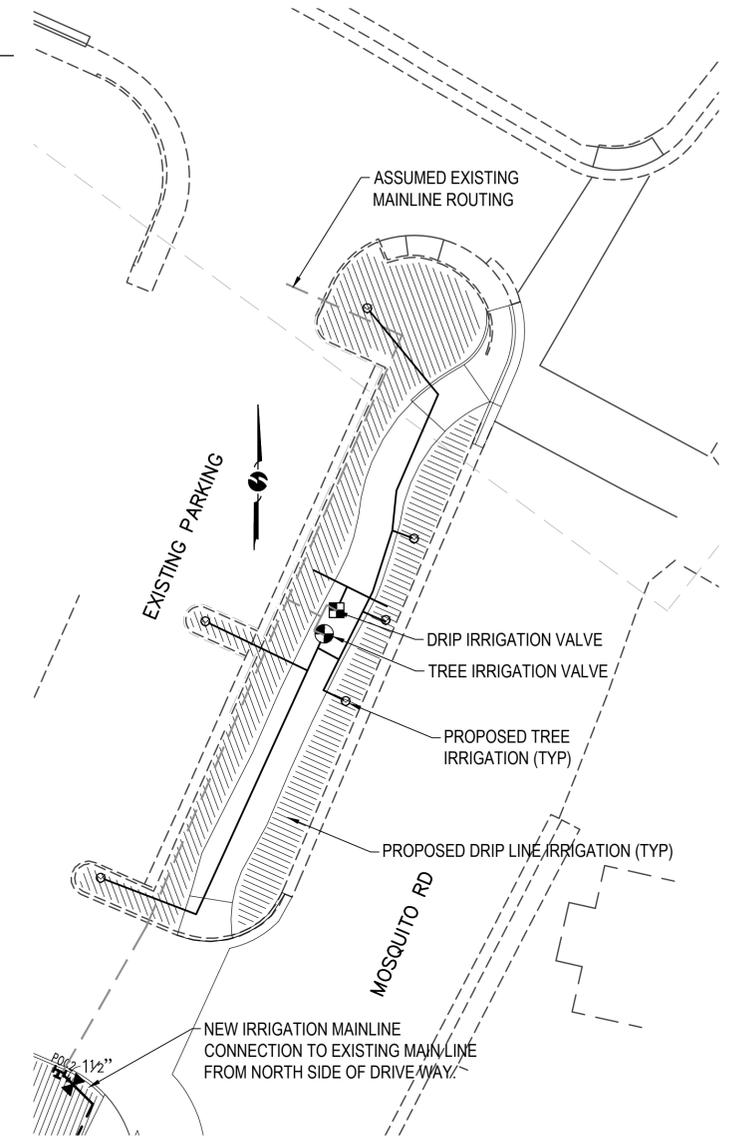
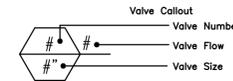
- All existing planting and irrigation in this area to be removed / or re-used in some fashion.
- Remove all spray / bubbler heads and lateral lines back to valves.
- Preserve all main line, controller wiring, and valves.
- Pressure test remaining system to check for leaks and verify static pressure in main line.
 - Assess condition of remaining system and make recommendations for upgrades.
- Relocate valves if needed to accommodate new trail layout or other proposed construction.
- Determine condition of each valve and if it is viable to be re-used for the proposed irrigation.
- One existing valve to be used for tree irrigation. A second valve to be used for new drip irrigation. The third existing valve can be used for drip irrigation - if necessary - or removed / closed.
- Add basket filters to existing valves where converted to drip valves. Provide new valve boxes if needed to accommodate additional equipment.
- All laterals and main line to be Schedule 40 PVC. Install SCH 40 PVC sleeves as necessary under pavement.
- Minimum lateral size to be 3/4" diameter.
- Provide Owner with an as-built of the final irrigation installation in this area.
- Update irrigation schedule in controller and provide schedule to Owner.

IRRIGATION SCHEDULE AREA 2

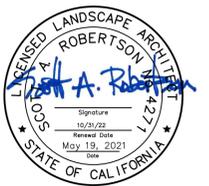
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Rain Bird RWS-M-B-C-SOCK Mini Root Watering System with 4" diameter x 18" long with locking grate, semi-rigid mesh tube with sand sock and Rain Bird 1401 0.25gpm or 1402 0.50gpm bubbler as indicated, with check valve.	6

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Rain Bird XCD-100-PRB-COM Drip Control Kit, 1" PESB valve, 1" Basket Filter, and 40psi Pressure Regulator, 1" Ball Valve.	1
	Area to Receive Dripline Rain Bird XFD-06-18 XFD On-Surface Pressure Compensating Landscape Dripline. 0.6 GPH emitters at 18" O.C. Dripline laterals spaced at 18" apart, with emitters offset for triangular pattern. UV Resistant. Specify XF insert fittings.	1,518 l.f.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Rain Bird PEB-PRS-D Electric Remote Control Valve with Pressure Regulator.	1
	Irrigation Lateral Line: CPVC Schedule 40	253.1 l.f.



PROPOSED NEW IRRIGATION CONNECTING TO EXISTING MAIN LINE AND EXISTING VALVES. LAYOUT IS SCHEMATIC. CONTRACTOR TO FIELD LOCATE ALL EQUIPMENT BASED ON EXISTING CONDITIONS.



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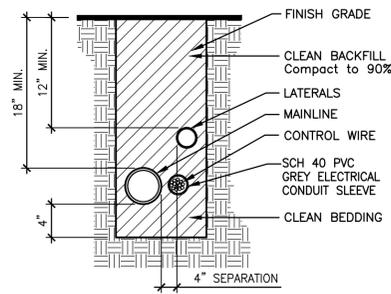
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 PARK-N-BUS
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 PLACERVILLE CALIFORNIA

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IRRIGATION PLAN 2

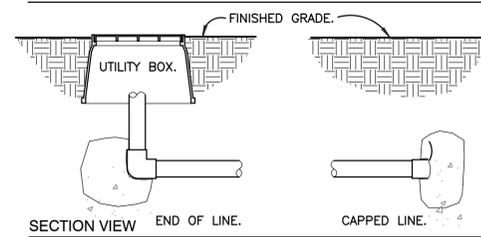
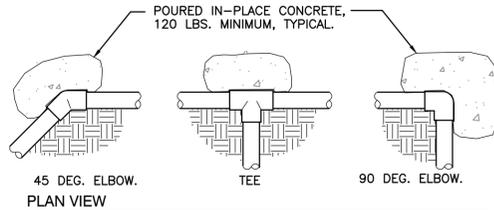
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16 OF
22



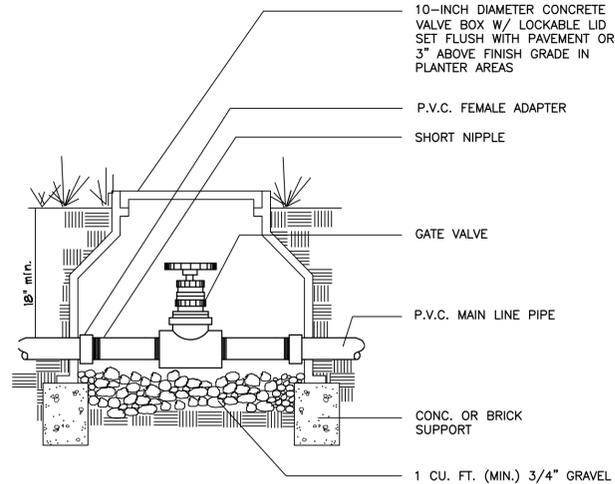
SCH 40 PVC SLEEVE UNDER CONCRETE WALK PAVING
SECTION: PLANTING AREAS

1. ALL PIPE, WIRE, &/OR SLEEVES TO GO UNDER SIDEWALK PAVEMENT TO BE INSTALLED PRIOR TO PAVING BEING INSTALLED.
2. BUNDLE AND TAPE ALL CONTROL WIRE AT 10' INTERVALS; TAPE TO MAINLINE AT 20' INTERVALS.
3. TIE A LOOSE 2' LOOP IN WIRE AT CHANGES IN DIRECTION OF 30 DEG. OR GREATER. UNTIE AFTER CONNECTIONS HAVE BEEN MADE.
4. INSTALL LOCATOR WIRE ALONGSIDE MAINLINE WHERE THERE IS NO CONTROL WIRE.
5. SEE CALTRANS STANDARD PLANS FOR IRRIGATION CROSSOVERS AND CONDUIT DETAILS BELOW STREET PAVING.

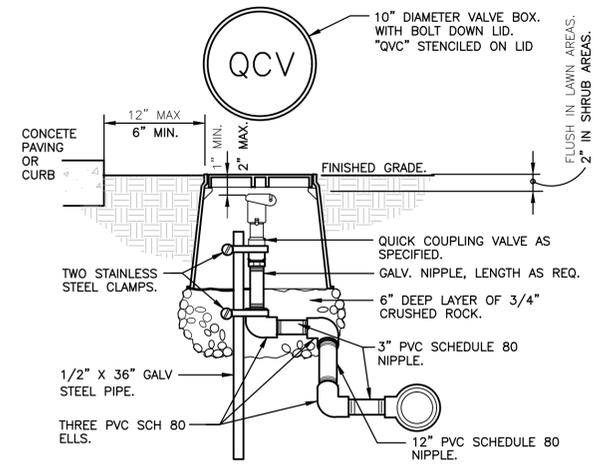
1 IRRIGATION PIPE AND CONTROL WIRE TRENCHING
NOT TO SCALE 328409.76-21



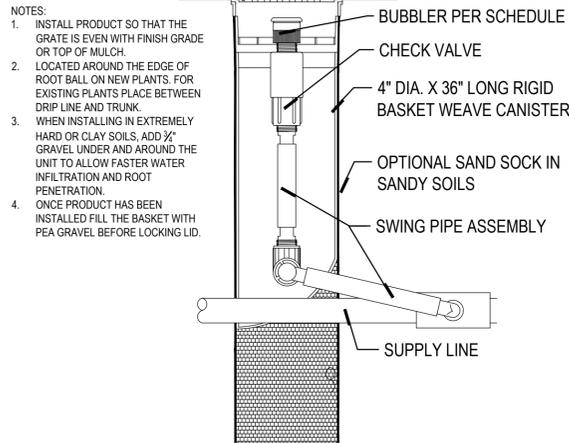
2 THRUST BLOCKING
NOT TO SCALE 328409.76-01



3 GATE VALVE
NOT TO SCALE 328406.33-05

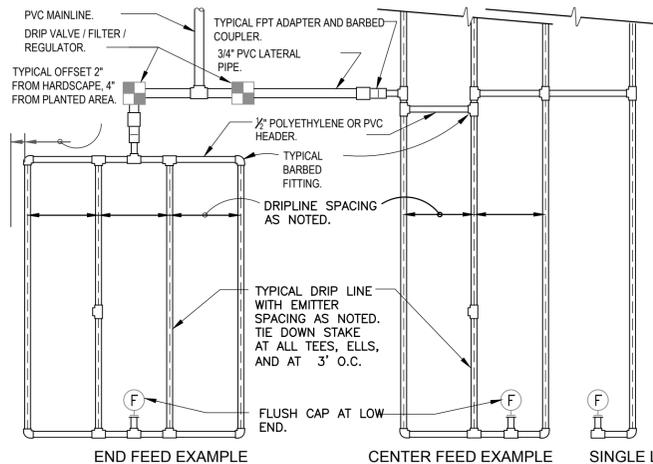


4 QUICK COUPLING VALVE
1 1/2\"/>



- NOTES:
1. INSTALL PRODUCT SO THAT THE GRATE IS EVEN WITH FINISH GRADE OR TOP OF MULCH.
 2. LOCATED AROUND THE EDGE OF ROOT BALL ON NEW PLANTS. FOR EXISTING PLANTS PLACE BETWEEN DRIP LINE AND TRUNK.
 3. WHEN INSTALLING IN EXTREMELY HARD OR CLAY SOILS, ADD 1/2\"/>
 4. ONCE PRODUCT HAS BEEN INSTALLED FILL THE BASKET WITH PEA GRAVEL BEFORE LOCKING LID.

5 DEEP ROOT WATERING ASSEMBLY
NOT TO SCALE 328403.53-03



6 TYPICAL DRIPLINE LAYOUT REQUIREMENTS
3\"/>

- SLOPED CONDITION NOTE:
1. SPACING AS NOTED ON TOP 2/3 OF SLOPE.
 2. SPACING AT BOTTOM 1/3 AS NOTED PLUS 25%.
 3. WHEN ELEVATION CHANGE IS 10 FT OR MORE, ZONE BOTTOM 1/3 SEPARATELY.

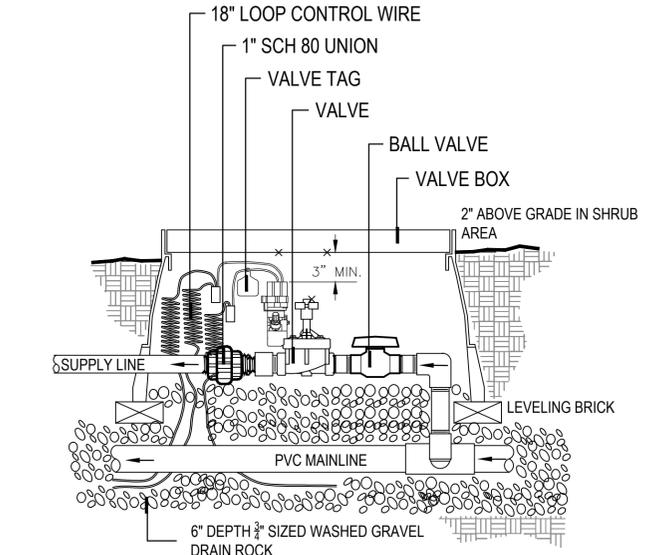
PSI	MAXIMUM LATERAL LENGTH (FEET)					
	EMITTER FLOW RATE GPH					
	12\"/>					
10	125	96	175	135	218	171
20	249	191	350	171	442	340
30	307	236	434	333	550	422
40	350	268	495	380	627	171
50	125	96	175	135	218	171
60	125	96	175	135	218	171

EMITTER SPACING	LATERAL SPACING	EMITTER FLOW RATE	
		0.6	0.9
12	12	0.96	1.44
18	18	0.69	1.03
24	24	0.28	0.41

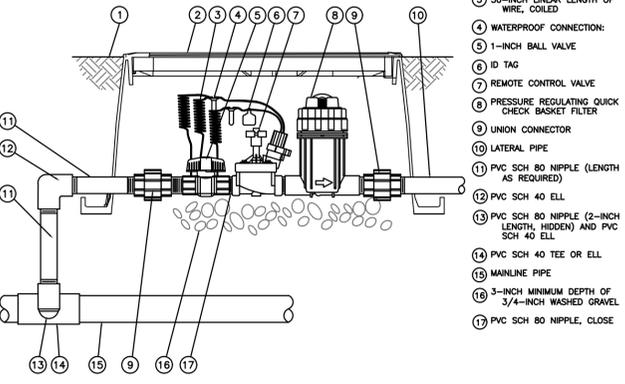
EMITTER FLOW	LATERAL FLOW PER 100 FT (GPM)	
	12\"/>	
0.6 GPH	1.0 GPM	0.67 GPM
0.9 GPH	1.5 GPM	0.50 GPM
		0.75 GPM

SCHEDULE 40 PVC HEADER SIZE	MAXIMUM FLOW PER ZONE	
	MAX GPM	PSI LOSS
1/2\"/>		
3/4\"/>		
1\"/>		
1-1/2\"/>		
2\"/>		

POLY PIPE HEADER SIZE	MAXIMUM FLOW PER ZONE	
	MAX GPM	PSI LOSS
1/2\"/>		
3/4\"/>		
1\"/>		
1-1/2\"/>		
2\"/>		



7 REMOTE CONTROL VALVE WITH UNION
NOT TO SCALE 328413.56-06



8 DRIP VALVE KIT
NOT TO SCALE 328403.53-03

MAWA (Maximum Allowed Water Allowance) Calculation

Formula per State = (Eto)(0.62)[(ETAF*LA) + ((1-ETAF)*SLA)]

Annual Gallons Allowed = 65,917.52

MAWA Criteria	Value
Eto	= 47.30
ETAF	= 0.45
LA	= 4,995.00
SLA (reclaimed water)	= 0.00

DESIGNER'S STATEMENT

I have complied with the criteria of the State of California associated with the Model Water Efficient Landscape Ordinance for the efficient use of water in the irrigation design. [See Water Efficient Landscape Worksheet.](#)

Statement Prepared by
Scott A. Robertson
Scott A. Robertson, CA LLA 4271
Landscape Architect

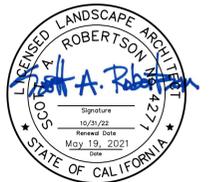
GHD, Inc.
916-918-0632
scott.robertson@ghd.COM

Water Efficient Landscape Worksheet

ETWU (Estimated Total Water Use) Calculation (Eto x .62 x ETAF x Area)

REGULAR LANDSCAPE AREAS								
Hydro Zone	Valve Zones	PF	Irr Method	IE	ETAF (PF/IE)	Landscape Area	ETAF x Area	ETWU (gal/yr)
Water Features	na	1	NA	1	1.00	0.00	0.00	0.00
Very Low	1 & 2	0.1	Drip	0.81	0.12	2,421.75	298.98	8,767.93
Low	na	0.3	Drip	0.81	0.37	0.00	0.00	0.00
Medium	3, 4 & 5	0.4	Drip	0.81	0.49	2,577.25	1,272.72	37,323.67
High	na	0.7	Drip	0.81	0.86	0.00	0.00	0.00
Totals						4,999.00	1,571.70	

SPECIAL LANDSCAPE AREAS			
irrigation via non-potable water source	1	0	0.00
Totals		0.00	0.00
ETWU Total		46,091.60	
MAWA		65,917.52	
(ETWU should be less than MAWA)			



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IRRIGATION DETAILS

SHEET
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22

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SHEET INDEX

- 19 GENERAL NOTES, SYMBOLS LIST, FIXTURE SCHEDULE
- 20 SITE PLAN – DEMOLITION LIGHTING
- 21 SITE PLAN – NEW ELECTRICAL
- 22 DETAILS
- 23 TITLE 24

FIXTURE SCHEDULE									
TAG	MANUFACTURER & CATALOG NUMBER	DESCRIPTION	MTG.	LAMP		VOLTS	WATTS	REMARKS	
				TYPE	No.				
A5H	HALOPHANE 175W LED	175W LED POST-TOP MOUNTED LUMINAIRE W/HOUSE SIDE SHIELD, TYPE V DISTRIBUTION	14'-0" POLE W/CONC. BASE	175W LED	1	120	205		
A5	HALOPHANE 175W LED	175W LED POST-TOP MOUNTED LUMINAIRE TYPE V DISTRIBUTION	14'-0" POLE W/CONC. BASE	175W LED	1	120	205		

LIGHTING FIXTURE NOTES

1. MANUFACTURER AND DESCRIPTIONS NOTED ARE TO ESTABLISH MINIMUM STANDARDS. PRODUCTS WILL BE REVIEWED BASED ON PHOTOMETRICS, CONSTRUCTION AND APPEARANCE.

GENERAL NOTES

1. THE CONTRACTOR SHALL VISIT JOB SITE AND VERIFY CONDITIONS BEFORE BIDDING.
2. THE ADJACENT BUSINESSES SHALL REMAIN IN OPERATION DURING ALL PHASES OF WORK. WHERE SYSTEM SHUTDOWNS AND POWER OUTAGES ARE UNAVOIDABLE, SUCH WORK SHALL BE SCHEDULED WITH THE CITY REPRESENTATIVE AND SHALL OCCUR AT SUCH TIMES AS TO CAUSE THE LEAST DISRUPTION OF NORMAL BUSINESS FUNCTIONS. INCLUDE ALL PREMIUM LABOR IN BID PROPOSAL TO COVER WORK REQUIRED TO BE PERFORMED BEFORE OR AFTER "NORMAL" WORKING HOURS.
3. COORDINATE SEQUENCE OF WORK WITH OWNER. MAKE ALL NECESSARY CONNECTIONS AS REQUIRED TO MAINTAIN POWER DURING THE STAGES OF WORK.
4. ALL EQUIPMENT INSTALLED OR CONNECTED BY THE CONTRACTOR SHALL BE LABELED OR CERTIFIED FOR ITS USE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

STANDARD ELECTRICAL SYMBOLS		
SYMBOL	MTG. HEIGHT	DESCRIPTION
	-	EXISTING LIGHT POLE TO BE REMOVED
	-	EXISTING LIGHT POLE TO REMAIN
	-	PROPOSED LIGHT POLE
	-	EXISTING CONDUIT RUN TO BE ABANDONED. CONDUIT ABOVE THE FLOOR AND BELOW THE STRUCTURE ABOVE SHALL BE REMOVED.
	-	EXISTING CONDUIT RUN, VERIFY ROUTING ON THE JOB
	-	PROPOSED CONDUIT RUN
	-	HOME RUN TO RESPECTIVE PANEL OR TERMINAL CABINET
	-	EXISTING RECESSED PULL BOX
	-	PROPOSED RECESSED PULL BOX
	-	BRANCH CIRCUIT WITH GROUND WIRE LARGER THAN #10 AWG. NUMBER ADJACENT TO CROSSLINE INDICATES WIRE SIZE
	-	CROSSLINES INDICATE NUMBER OF #10 AWG WIRES WHEN MORE THAN 2 WITH 1#10 AWG GROUND ARE PRESENT IN A CIRCUIT
	-	CONSTRUCTION NOTE NUMBER

DEMOLITION NOTES

1. DEMOLITION DRAWINGS ARE BASED ON CASUAL FIELD OBSERVATION. REPORT DISCREPANCIES TO ENGINEER BEFORE DISTURBING EXISTING INSTALLATION.
2. DISCONNECT ELECTRICAL SYSTEMS IN FLOORS CEILINGS SCHEDULED FOR REMOVAL.
3. PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION.
4. REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.
5. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK.
6. REMOVE EXPOSED ABANDONED WIRE AND CABLE. PATCH SURFACES WHERE REMOVED CABLES PASS THROUGH BUILDING FINISHES.
7. ENSURE ACCESS TO EXISTING BOXES, WIRING CONNECTIONS AND OTHER INSTALLATIONS WHICH ARE TO REMAIN ACTIVE AND WHICH REQUIRE ACCESS. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE.



Know what's below.
Call before you dig.

Contractor shall call
Underground Service Alert at
811 two working days prior
to excavation



DESIGNED: DJK				
CADD BY: DJK				
CHECKED BY: LMW				
No.	REVISIONS	BY	DATE	



City of Placerville
Engineering Department
3101 Center Street
Placerville, CA 95667
(530) 642-5250 (530) 642-5568 fax

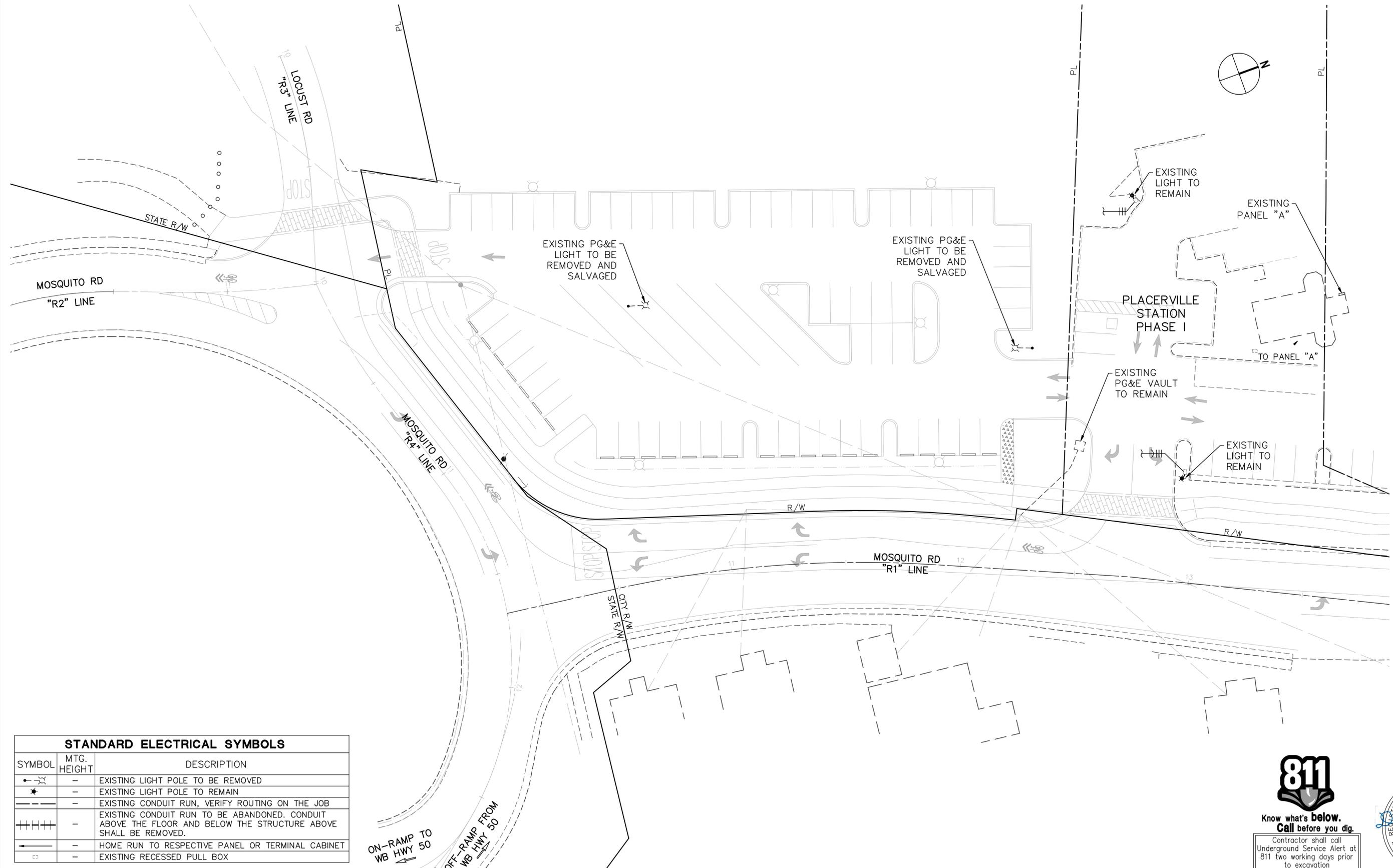
**PLACERVILLE STATION II
PARK-N-BUS
IMPROVEMENT PLANS**
PLACERVILLE CALIFORNIA

DATE: AUGUST 2022
SCALE: NOT TO SCALE
one inch on original

BENCH MARK: TBM: #23
ON SIDEWALK NEAR
MOSQUITO RD AND SR50
DATUM: AT THE BEGINNING OF THE
WESTBOUND RAMP.
PK NAIL
ELEV.: 1900.61

GENERAL NOTES, SYMBOLS
LIST, FIXTURE SCHEDULE

SHEET
18 OF
22



STANDARD ELECTRICAL SYMBOLS		
SYMBOL	MTG. HEIGHT	DESCRIPTION
	-	EXISTING LIGHT POLE TO BE REMOVED
	-	EXISTING LIGHT POLE TO REMAIN
	-	EXISTING CONDUIT RUN, VERIFY ROUTING ON THE JOB
	-	EXISTING CONDUIT RUN TO BE ABANDONED, CONDUIT ABOVE THE FLOOR AND BELOW THE STRUCTURE ABOVE SHALL BE REMOVED.
	-	HOME RUN TO RESPECTIVE PANEL OR TERMINAL CABINET
	-	EXISTING RECESSED PULL BOX

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**PLACERVILLE STATION II
 PARK-N-BUS
 IMPROVEMENT PLANS**
 PLACERVILLE CALIFORNIA

DATE: AUGUST 2022
 SCALE: 1"=20'
 one inch on original

BENCH MARK: TBM: #23
 ON SIDEWALK NEAR
 MOSQUITO RD AND SR50
 DATUM: AT THE BEGINNING OF THE
 WESTBOUND RAMP.
 PK NAIL ELEV.: 1900.61

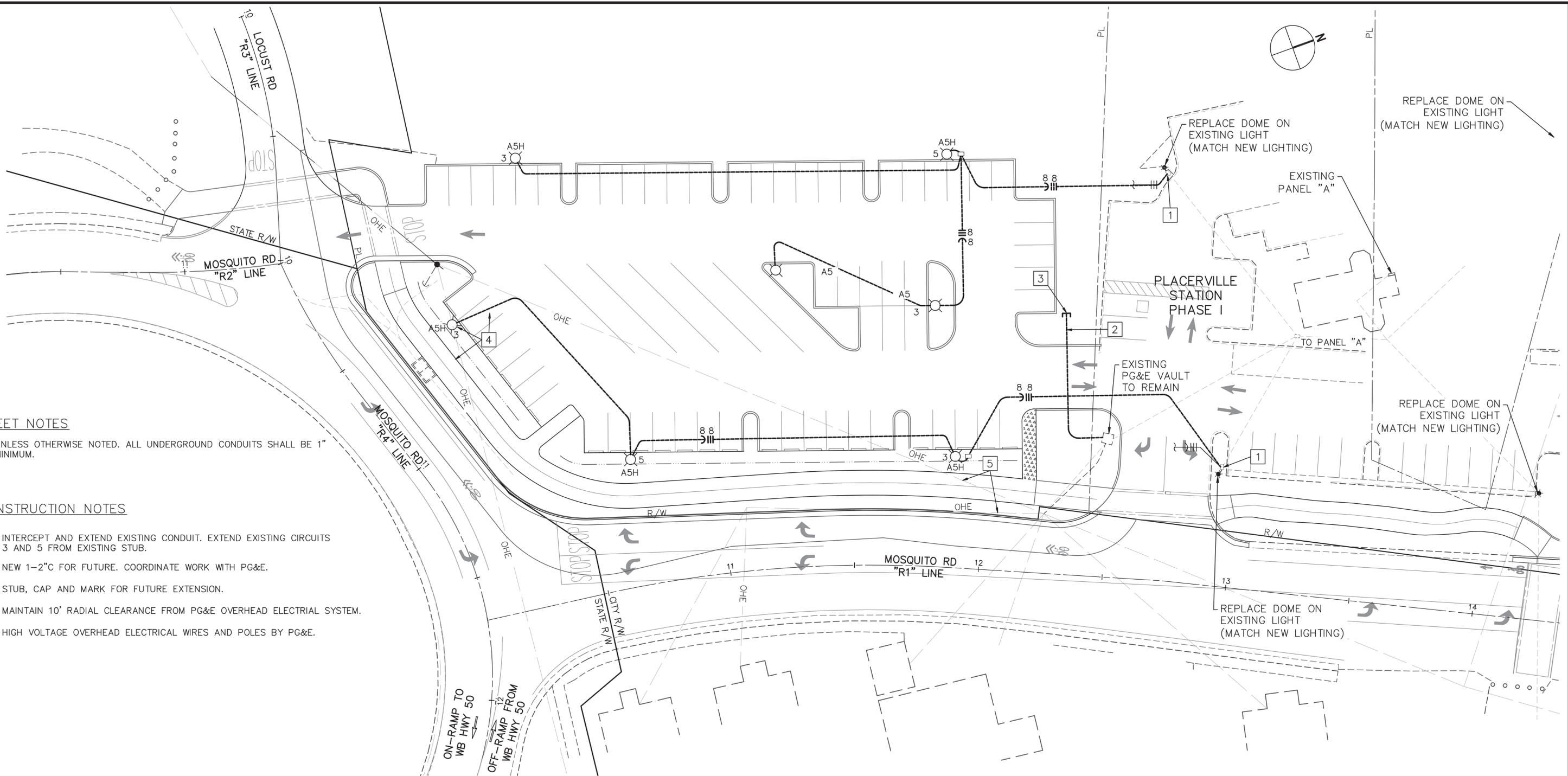
**SITE PLAN
 DEMOLITION LIGHTING**

SHEET
19 OF
22



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SHEET NOTES

- 1. UNLESS OTHERWISE NOTED, ALL UNDERGROUND CONDUITS SHALL BE 1" MINIMUM.

CONSTRUCTION NOTES

- 1 INTERCEPT AND EXTEND EXISTING CONDUIT. EXTEND EXISTING CIRCUITS 3 AND 5 FROM EXISTING STUB.
- 2 NEW 1-2" C FOR FUTURE. COORDINATE WORK WITH PG&E.
- 3 STUB, CAP AND MARK FOR FUTURE EXTENSION.
- 4 MAINTAIN 10' RADIAL CLEARANCE FROM PG&E OVERHEAD ELECTRICAL SYSTEM.
- 5 HIGH VOLTAGE OVERHEAD ELECTRICAL WIRES AND POLES BY PG&E.

STANDARD ELECTRICAL SYMBOLS		
SYMBOL	MTG. HEIGHT	DESCRIPTION
★	-	EXISTING LIGHT POLE TO REMAIN
⊙	-	PROPOSED LIGHT POLE
---	-	EXISTING CONDUIT RUN, VERIFY ROUTING ON THE JOB
- - -	-	PROPOSED CONDUIT RUN
→	-	HOME RUN TO RESPECTIVE PANEL OR TERMINAL CABINET
□	-	EXISTING RECESSED PULL BOX
□	-	PROPOSED RECESSED PULL BOX
#8	-	BRANCH CIRCUIT WITH GROUND WIRE LARGER THAN #10 AWG. NUMBER ADJACENT TO CROSSLINE INDICATES WIRE SIZE
	-	CROSSLINES INDICATE NUMBER OF #10 AWG WIRES WHEN MORE THAN 2 WITH 1#10 AWG GROUND ARE PRESENT IN A CIRCUIT

FIXTURE SCHEDULE								
TAG	MANUFACTURER & CATALOG NUMBER	DESCRIPTION	MTG.	LAMP		VOLTS	WATTS	REMARKS
				TYPE	No.			
A5H	HALOPHANE 175W LED	175W LED POST-TOP MOUNTED LUMINAIRE W/HOUSE SIDE SHIELD, TYPE V DISTRIBUTION	14'-0" POLE W/CONC. BASE	175W LED	1	120	205	
A5	HALOPHANE 175W LED	175W LED POST-TOP MOUNTED LUMINAIRE TYPE V DISTRIBUTION	14'-0" POLE W/CONC. BASE	175W LED	1	120	205	

LIGHTING FIXTURE NOTES

- 1. MANUFACTURER AND DESCRIPTIONS NOTED ARE TO ESTABLISH MINIMUM STANDARDS. PRODUCTS WILL BE REVIEWED BASED ON PHOTOMETRICS, CONSTRUCTION AND APPEARANCE.

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PLACERVILLE STATION II
PARK-N-BUS
IMPROVEMENT PLANS
PLACERVILLE CALIFORNIA

DATE: AUGUST 2022
SCALE: 1"=20'
one inch on original

BENCH MARK: TBM: #23
ON SIDEWALK NEAR MOSQUITO RD AND SR50 AT THE BEGINNING OF THE WESTBOUND RAMP. PK NAIL
ELEV.: 1900.61

SITE PLAN
NEW ELECTRICAL

SHEET
20 OF 22



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150 W LED LUMINAIRE
 175W METAL HALIDE, 120V
 ACORN STYLE, DARK GREEN FINISH
 RIBS AND BANDS MAYFIELD COVER
 WITH STANDARD FINIALS
 IES TYPE V DISTRIBUTION PHOTOCELL
 RECEPTACLE
 HOLOPHANE UTILITY GRANVILLE SERIES

EXTRUDED ALUMINUM POLE

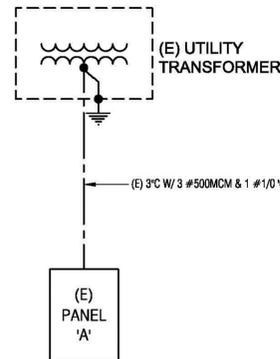
PARKING STALL

EXTEND ANCHOR BOLT BY 30"

SEE CALTRANS STANDARD PLAN RSP E5-6A AND RSP E5-7N FOR TYPE 15 FOUNDATION DETAILS

1 AREA LIGHT POLE DETAIL

SCALE: NO SCALE



2 PARTIAL ONE-LINE DIAGRAM

SCALE: NO SCALE

LOAD DESCRIPTION		KVA LOAD				C. B.	CKT	PH	CKT	C. B.	KVA LOAD				LOAD DESCRIPTION	
		CONT.	RECP.	MOTOR	NON.	TRIP POLE	#	A/B	#	TRIP POLE	CONT.	RECP.	MOTOR	NON.		
1	PARKING LIGHTING (1)	0.86				20	1	1	2	40	2	3.60			EV CHARGER (1)	2
3	PARKING LIGHTING (2)	0.53				20	2	3								
---	PARKING LIGHTING (2)	0.53				---			6	40	2	3.60			EV CHARGER(1)	6
7	LIGHTING					20	1	7								
9	LIGHTING LC1 & LC3 (1)	0.68				20	2	9	10	40	2	3.60			EV CHARGER(1)	10
---	LIGHTING LC2 & LC4 (1)	1.30				---										
13	TIME CLOCK (1)				0.20	20	1	13	14	40	2				EV CHARGER(FUTURE)(1)	14
15	DRINKING FOUNTAIN (1)				0.30	20	1	15								
17	RECEPTACLE (1)		1.00			20	1	17	18	40	2				EV CHARGER(FUTURE)(1)	18
19	SPARE (1)					20	1	19								
21	POWER OUTLET (40 AMP) (1)		3.60			40	2	21	22	40	2				EV CHARGER(FUTURE)(1)	22
---			3.60			---										
25	WATER HEATER (1)				2.25	40	2	25	26		1				SPACE	26
---					2.25	---			28		1				SPACE	28
29	SPACE						1	29	30		1				SPACE	30
31	SPACE						1	31	32		1				SPACE	32
33	SPACE						1	33	34		1				SPACE	34
35	SPACE						1	35	36		1				SPACE	36
37	SPACE						1	37	38		1				SPACE	38
39	SPACE						1	39	40		1				SPACE	40
41	SPACE						1	41	42		1				SPACE	42
TOTALS		3.90	8.20	0.00	5.00					21.60	0.00	0.00	0.00		TOTALS	

VOLTAGE:		LOAD SUMMATION		ADDITIONAL FEATURES:	
120/240V, 1 PH, 3W		CONNECT	DEMAND	DEMAND	
AIC:		LOAD (KVA)	FACTOR	LOAD (KVA)	
22,000 AIC RMS SYM.		25.50 x 125% OF LOAD = 31.88			← CONTINUOUS
MOUNTING:		8.20 x CEC 220.13 = 8.20			← RECEPTACLES
SURFACE		0.00 x 1.00 = 0.00			← MOTORS+25% LARGEST
BUSSING:		5.00 x 1.00 = 5.00			← NONCONTINUOUS
400 AMP BUSING		88.70 KVA	161.25 Amps	45.08 KVA	187.81 Amps
MAIN:					
400 AMP MAIN BRKR.					
		BREAKER NOTES:			
		(1) = EXISTING C/B AND LOAD, NO WORK REQ'D.			
		(2) = EXISTING C/B, NEW LOAD.			
		NEC 220-13: 1st 10 kVA AT 100%, REMAINING AT 50%.			

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ELECTRICAL DETAILS

SHEET
21 OF
22

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