

City of Gilroy
Community Development Department

Request for Proposals

**ENVIRONMENTAL COMPLIANCE SERVICES
FOR THE 10TH STREET BRIDGE AT UVAS
CREEK**

No. 21-RFP-CDD-456

ATTN: CARINA BAKSA
CITY OF GILROY
7351 ROSANNA STREET
GILROY, CA 95020-6197

Proposals Due by Thursday, July 29th, 2021 at 3:00 PM



Request for Proposals No. 21-RFP-CDD-456

Notice is hereby given that ELECTRONIC Requests for Proposals will be received at the City of Gilroy, for **Environmental Compliance Services for the 10th Street Bridge at Uvas Creek, Project No. 21-RFP-CDD-456** as described in the attached Request for Proposals. Please note that City Hall is closed to the public due to the ongoing COVID-19 pandemic. Proposals will be accepted by email to carina.baksa@cityofgilroy.org until 3:00 pm, Thursday, July 29th, 2021 at 3:00 PM. Proposals received after that time and date will not be considered. The City of Gilroy accepts no responsibility if delivery is made to another location other than location specified above and/or delayed deliveries. Proposals should be submitted as one complete, single electronic pdf file on consultant qualifications, and one complete, single electronic pdf file on the cost proposal to the email specified in this notice. An evaluation team will review submittals and select the best qualified firm for the proposed services based on the selection criteria and process outlined in the RFP. The selected consultant will be selected for awarding by the City Council and will enter into a standard agreement for services upon approval.

A free electronic copy of the RFP can be obtained by going to the City of Gilroy website (www.cityofgilroy.org). Due to the ongoing COVID-19 pandemic, all prospective parties should check the City's website for any addendums.

Respectfully Requested,
Carina Baksa
Purchasing Coordinator

Environmental Compliance Services for the 10th Street Bridge at Uvas Creek Bridge

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Introduction

The City of Gilroy (City) Community Development Department is seeking proposals from qualified consultants (Consultant) for Environmental services for the 10th Street Bridge at Uvas Creek project.

The City of Gilroy is a charter city located in southern Santa Clara County with a population of approximately 57,000. The City is a council-administrator form of government with the mayor elected at large for a four year term and six City Councilmembers who are elected at large for four year terms. Development activity in the original Gilroy town site dates back to the early 1800s, with the City formally incorporating in 1870. Since then, the City experienced several annexations and growth periods throughout the 20th and 21st centuries.

Information regarding the City and its organization, such as governmental structure, services provided, the Current Operating and Capital Budgets, is available on the City website at www.cityofgilroy.org

Project Description

The 10th Street Bridge at Uvas Creek project ([project 800020 in the City of Gilroy's 2021 – 2025 Capital Improvement Program](#)) consists of constructing a two-lane bridge with sidewalks and Class II Bike Lanes along Tenth Street over Uvas Creek, as well as other features. The project will also include a “breezeway bridge” over the current Class I Levee Path, which will enable levee users to cross under Tenth Street and avoid an at-grade vehicle/pedestrian crossing. The project includes a new roundabout at the Uvas Park Drive/Tenth Street intersection. The bridge will connect two segments of Tenth Street, which currently terminate on either side of Uvas Creek, and allow Tenth Street to extend as one continuous roadway from the US 101 / Tenth Street (Automall Parkway) Interchange to Santa Teresa Boulevard.

The Gilroy City Council has directed the bridge to be designed with a width of 76 feet to accommodate four travel lanes in the future. Construction of this bridge will provide improved transportation circulation within the City and will improve emergency response time.

While funding for construction of the bridge and associated construction management has not been identified, \$300,000 in funding has been allocated to conduct the Environmental Compliance work associated with this project. The project is currently underway in the design phase.

Issuing Office

The Finance Department is the Issuing Office for this Request for Proposal (RFP) and the point of contact for all process and contract questions as well as protest, and all

correspondence shall be through e-mail. Technical questions shall be directed to the Project Manager.

Issuing Office

Finance Department
 Carina Baksa
 Purchasing Coordinator
 7351 Rosanna Street
 Gilroy, CA 95020
carina.baksa@cityofgilroy.org

Project Manager

Community Development Department
 Melissa Durkin
 Planner II
 7351 Rosanna Street
 Gilroy, CA 95020
melissa.durkin@cityofgilroy.org

Anticipated RFP Schedule

The City anticipates the following general timeline for this RFP and the schedule may change as necessary.

Selection Process Actions	Target Date
RFP distributed to prospective Consultants and Advertised	Friday, June 25 th , 2021
Deadline to submit RFP questions	Tuesday, July 20 th , 2021 at 4:00 PM
Addendum posted on the City’s website	Wednesday, July 21 st , 2021
RFP submissions due to City of Gilroy (Final)	Thursday, July 29 th , 2021 at 3:00 PM
Interviews (If Necessary)	August 11 th and August 12 th , 2021
City Council staff report posted on website	Wednesday, September 8 th , 2021
City Council Meeting	Monday, September 13 th , 2021

Submission Date and Location

Each responding Consultant must submit two PDF’s for the submittal: one electronic copy in PDF of consultant qualifications, required attachment and supporting information, and one electronic copy in PDF of the cost proposal. The file name for each packet shall be marked with the RFP number and the consultant’s name before submittal to the email address listed below. The proposal must be emailed directly to carina.baksa@cityofgilroy.org before the deadline.

Solicitation Documents and Changes (Addenda)

All solicitation documents may be viewed or printed on line from the City’s website at www.cityofgilroy.org or may be viewed onsite at the Issuing Office at the address listed above.

Proposals received from other sources will not be considered valid documents. Please contact the Issuing Office listed above with any problems viewing solicitation documents.

All questions regarding this solicitation shall be submitted via e-mail to melissa.durkin@cityofgilroy.org. The questions will be researched and the answers will

be communicated to all known interested Consultants and posted on the City's website after the deadline for receipt of questions.

Prospective Consultant shall not contact City officers or employees with questions or suggestions regarding this solicitation except through the primary contact person listed above. Any unauthorized contact may be considered undue pressure and cause for disqualification of the Consultant.

Consultants are responsible for checking the City's website for the issuance of any addenda prior to submitting a proposal. The Consultant is held responsible for all addenda/changes to the documents and may be considered non-responsive if their proposal does not reflect those addenda/changes.

Protests

Any complaints or perceived inequities related to this RFP shall be made in writing and directed to the Issuing Office at the address listed above and accordance with the City purchasing policy procedure 17. This policy may be found on the City's website, located here: <http://www.cityofgilroy.org/DocumentCenter/View/7025/Purchasing-Policy-and-Protest-Procedures>.

Rejection of Proposals

The City reserves the right to reject any and all proposals submitted. The City also reserves the right to waive or not waive any informalities or irregularities in proposal responses.

Modification / Withdrawal

Unless otherwise specified, modification of the Proposal will not be permitted; however a Consultant may withdraw his or her Proposal at any time prior to the scheduled closing time for receipt of Proposals; any Consultant may withdraw his or her Proposal, either personally or by written request to the Issuing Office. Withdrawal of Proposal shall not disqualify the Consultant from submitting another Proposal provided the time for receipt of Proposals has not expired.

Cancellation

The City reserves the right to cancel award of this contract at any time before execution of the contract by both parties if cancellation is deemed to be in the City's best interest. In no event shall the City have any liability for the cancellation of award.

Duration of Proposals

Proposals must remain valid for at least 90 days. Proposals must be signed by an official authorized to bind the Consultant.

Public Record

All proposals submitted are the property of the City and are public records. All documents received by the City are subject to public disclosure after the City selects a Consultant.

Incurring Costs

The City is not liable for any cost incurred by Consultants prior to execution of a contract.

Use of Sub-Consultants

Various Consultants may wish to combine resources in responding to the RFP. In such instances, the City requires the designation of a prime Consultant, accountable for the entire contract services proposal, including the contract agreement that may result. Consultant should discuss the work any Sub-Consultants are to perform and provide similar references for previous service projects where the Consultant/Sub-Consultant relationship was the same as proposed for this project.

Selection Process

The City reserves the right to select the Consultant on the basis of the proposals or to conduct interviews with the highest qualified Consultants following evaluation and scoring of the proposals, whichever is determined to best serve the needs of the City. The City reserves the right to seek clarifications of any or all proposals.

Proposal Contents

The proposal shall be organized and tabbed to include the following sections. The contents for each section are listed below and must be presented in the same order. The Consultant shall be responsible for preparing an effective and clear proposal. The maximum length of proposals shall be 18 pages, excluding exhibits, attachments, and the separate proposed budget. Concise proposals without needless duplication are encouraged.

The packet must contain at a minimum the following information:

1. **Cover Letter:** Please include a letter expressing the Consultant's interest in being considered for providing this service. Include a statement regarding the consultant's availability to dedicate time, personnel, and resources to this effort. The letter of interest must include a commitment to the availability of the Consultants throughout the remainder of this project. Maximum one page.
2. **Relevant Experience:** List up to three (3) projects completed by the firm relevant to the City of Gilroy and scope of services requested, and provide the following information for each project: a) outline the specific scope of services provided and describe how your firm met or exceeded expectations; b) identify the role of the firm (e.g., work was performed exclusively by the firm or a joint venture); c) highlight any key team members directly involved in the project

who would be part of this RFP; d) specify if the project was completed within budget and schedule (if not completed within budget and schedule provide a very brief statement explaining why); and e) provide the client's contact information including name, title, and phone number as a reference. Maximum six pages.

3. **Technical Analyses:** Identify if your firm has in-house staff to prepare technical studies for the various CEQA/NEPA topic areas described in the scope of work. If in-house staff is not available, please identify the team of sub-consultants you would assemble to perform specialized analyses that cannot be completed by in-house staff. Maximum two pages.
4. **Key Team Member Summary:** Identify key team members of the firm who would be directly involved with the Gilroy services. Also include sub-consultant team members. For each team member, summarize the typical role and responsibilities of the individual, list experience relative to the typical role(s), what tasks in the RFP scope of work the team member would be assigned to, and an estimated timeframe as to how long they will spend on each task. Maximum six pages.

In addition, as an attachment, please provide resumes of the key team members identified in this section. Resume attachments are not subject to page limitations.

5. **Conflict of Interest Statement:** The proposers shall disclose any financial, business, or other relationships with the City that may have an impact upon the outcome of services provided under these lists. Maximum one page.
6. **Completed Copies of Attachment A (Addenda Acknowledgement) and Attachment B (Contract Requirements Acknowledgement):** Include completed and signed attachments A and B of this RFP in your proposal. Maximum two pages.
7. **Proposed Budget:** As a separate, standalone PDF file, provide a budget for full project completion, including the outline of the hourly rate schedule for the key team members, and include associated administrative/ technical support fee structure (e.g., administrative fee, mileage, travel time, reproduction costs). Maximum two pages.

Proposal Evaluation Criteria and Scoring

The criteria listed below will be used to evaluate the Consultants.

- **Consultant's corporate and team member qualifications and experience**
Do the qualifications and experience of the consultant firm and individual proposed team members demonstrate a quality that gives confidence of a high value and excellence of service delivery for the City?

- **Consultant’s understanding of the Scope of Services**
Does the proposal reflect a clear understanding of the proposed Scope of Services?
- **Consultant’s references quality and responses**
Are the references from similar sized cities, are they provided the same or similar services as proposed, and how did the reference rate the proposing Consultant?
- **Overall quality of the response to the RFP**
Were the answers clear, concise, and well formulated? Does the proposal document make sense, is it structured well, and address all matters fully?

TOTAL SCORE

Each packet submittal will be reviewed and scored, per the criteria described above. Based on the number and quality of responses, Consultants may be asked to continue to the interview/presentation step in the process. Each package may receive a maximum of 50 points, as summarized below:

CRITERIA	POINTS
Consultant’s Qualifications and Experience	15
Understanding of the Scope of Services	15
Consultant’s References Quality and Responses	10
Overall Quality of the Response to the RFP	10
TOTAL	50

SCOPE OF WORK

The City requests proposals for California Environmental Quality Act (CEQA) and National Environmental Protection Act (NEPA) documentation for the proposed 10th Street bridge, as well as Santa Clara Valley Habitat Plan permitting. The project proposes to use federal funds. The required studies should follow Caltrans Office of Local Assistance procedures and utilize formats published on the Caltrans Standard Environmental Reference (SER) website.

The scope should propose documentation that satisfies the NEPA requirements of a Categorical Exclusion (CE) and CEQA requirements for an Initial Study/Mitigated Negative Declaration (MND). The City of Gilroy will be the lead agency on the project.

Proposals should provide a detailed approach to addressing all the following minimum required elements:

1. Completion of a NEPA analysis leading to a Categorical Exclusion and a CEQA initial study leading to a mitigated negative declaration. The following studies shall be included in the CEQA/NEPA analyses:
 - CEQA/NEPA Air Quality Analysis
 - CEQA/NEPA Noise Analysis
 - CEQA/NEPA Creek Diversion Analysis
 - CEQA/NEPA Cultural Resources Studies
 - CEQA/NEPA Biological Resources Studies
 - CEQA/NEPA traffic study
 - The City has an established traffic model with Hexagon Transportation Consultants and requests that the proposal includes working with this consultant to complete this study
 - CEQA/NEPA Hydrology/Hydraulics Study
 - NEPA Visual Impacts Assessment
 - NEPA Equipment Staging Memo
 - NEPA Right-of-Way/Community Impacts Memo
 - NEPA Hazardous Materials Memo
 - NEPA Water Quality Technical Memo
 - Section 4(f) Evaluation
 - Caltrans Environmental Compliance Report
2. Completion of the Caltrans' Preliminary Environmental Study (PES) form, including the visual impact assessment, list of federally endangered species, Federal Emergency Management Agency (FEMA) floodplain map, and hazardous materials data sheet.
3. Development of a project description to submit to Caltrans.
4. Preparation of technical memos, as requested by Caltrans following the Field Review meeting. The following memos will be submitted to the City for their review and submittal to Caltrans:
 - Natural Environment Study
 - Biological Assessment

- Equipment Staging Memo
 - Memo Documenting Air Quality Conformity Compliance
 - Archaeological Survey Report
 - Historic Properties Survey Report
 - Water Quality Memo
 - Initial Site Assessment
 - Location Hydraulic Study
 - Traffic Memo
 - Right-of-Way/Community Impacts Memo
 - Construction Noise Memo
 - Visual Impact Memo
 - Section 4(f) Concurrence Letter
5. Preparation of all documents required to obtain a Santa Clara Valley Habitat Plan permit, including the following:
 1. Preparation of the Coverage Screening Form
 2. Preparation of the Reporting Form for Public Projects, including fee calculations and all required attachments
 3. Completion of all required wildlife habitat and plant surveys
 6. Consultation with Native American tribes
 7. Meetings: The proposal should include attendance at two meetings with staff, one formal Caltrans Field Review meeting, and two public hearings
 8. Revisions: the proposal shall include one round of revisions to administrative draft documents
 9. Response to Comments: The proposal should include a response to all comments received on the environmental documentation
 10. The proposal shall include preparation of the draft Mitigated Negative Declaration (MND)
 11. The proposal shall include preparation of a Notice of Intent to adopt a Mitigated Negative Declaration
 12. The proposal shall include preparation of a Notice of Completion (NOC) and OPR summary form, and submittal of the NOC, OPR summary form and copies of the IS/MND to the State Clearinghouse
 13. Restoration Plan: A qualified restoration ecologist shall provide the following:
 1. Brief summary of the proposed project;
 2. Summary of habitat impacts and proposed mitigation, including brief description of functions and values of regulated habitats, wildlife and botanic resources in the impact area(s);
 3. Quantification of regulated habitat impacts (e.g. surface area, stem count, etc.);
 4. Map showing the habitat impact locations;
 5. Basis for proposed mitigation;

6. Description of the primary goal(s) of the mitigation; and
7. Location of mitigation site(s) and description of existing site conditions (both physical and biotic), including photo-documentation.

Mitigation design will include soil amendments and other site preparation elements as appropriate, conceptual planting plan, conceptual irrigation and maintenance plans, monitoring plan (including final and performance criteria, monitoring methods, data analysis, reporting requirements, monitoring schedule), and remedial measures/adaptive management plan for mitigation elements that do not meet performance or final success criteria.

The restoration plan shall include an appendix with photo-documentation of project site (pre-impact) and mitigation site(s) (pre-impact).

It is assumed that any technical studies of the mitigation site(s) that may be required to support the MMRP are not included in this task. These studies may include the following from other tasks within this scope of services or bridge design services: hydrology and/or geomorphology, topographic survey, groundwater, site access, right-of-way, property boundaries, etc., location of utilities, access to water for irrigation connection, cultural resources investigation, and grading plan.

Deliverables:

- Restoration Plan
 - Mitigation PS&E
14. Document copies: Provide one electronic of all documents except the initial study/MND and NEPA Categorical Exclusion; Provide one electronic copy and two paper copies of the NEPA Categorical Exclusion; Provide one electronic copy and nine paper copies of the Initial Study/MND.

ATTACHMENT A - ADDENDA ACKNOWLEDGEMENT

We acknowledge that the following addenda numbers have been received and have been examined as part of the RFP documents:

Addendum No.	Date Received	Initials

Signed this _____ day of _____, 2021

By: _____

Title: _____

ATTACHMENT B - CONTRACT REQUIREMENTS ACKNOWLEDGEMENT

I, _____, declare as follows:

That I am the _____, of _____,
(Title) (Company)

the Consultant making the attached proposal; and that I have read the sample Agreement for Services (Attachment B), including the insurance & indemnification requirements contained therein, and hereby state that I understand and am willing to abide by, and can meet the requirements of the contract, including insurance and indemnification requirements, without modification thereto, should my firm be selected for a project or projects based on my qualifications and proposal, assuming a mutually agreeable scope, fee, and schedule can be established.

Signed this _____ day of _____, 2021

By _____

Title: _____

ATTACHMENT C - SAMPLE AGREEMENT FOR SERVICES CONTRACT

AGREEMENT FOR SERVICES

(For contracts over \$5,000 - CONSULTANT)

This AGREEMENT made this _____ day of _____, 20____, between:

CITY: City of Gilroy, having a principal place of business at
7351 Rosanna Street, Gilroy, California

and CONSULTANT: _____, having a principal place of business at _____.

ARTICLE 1. TERM OF AGREEMENT

This Agreement will become effective on _____ and will continue in effect through _____ unless terminated in accordance with the provisions of **Article 7** of this Agreement.

Any lapse in insurance coverage as required by Article 5, Section D of this Agreement shall terminate this Agreement regardless of any other provision stated herein.

Initial

ARTICLE 2. INDEPENDENT CONSULTANT STATUS

It is the express intention of the parties that CONSULTANT is an independent CONSULTANT and not an employee, agent, joint venturer or partner of CITY. Nothing in this Agreement shall be interpreted or construed as creating or establishing the relationship of employer and employee between CITY and CONSULTANT or any employee or agent of CONSULTANT. Both parties acknowledge that CONSULTANT is not an employee for state or federal tax purposes. CONSULTANT shall not be entitled to any of the rights or benefits afforded to CITY'S employees, including, without limitation, disability or unemployment insurance, workers' compensation, medical insurance, sick leave, retirement benefits or any other employment benefits. CONSULTANT shall retain the right to perform services for others during the term of this Agreement.

ARTICLE 3. SERVICES TO BE PERFORMED BY CONSULTANT

A. Specific Services

CONSULTANT agrees to: Perform the services as outlined in **Exhibit "A"** ("Specific Provisions") and **Exhibit "B"** ("Scope of Services"), within the time periods described in **Exhibit "C"** ("Milestone Schedule").

B. Method of Performing Services

CONSULTANT shall determine the method, details and means of performing the above-described services. CITY shall have no right to, and shall not, control the manner or determine the method of accomplishing CONSULTANT'S services.

C. Employment of Assistants

CONSULTANT may, at the CONSULTANT'S own expense, employ such assistants as CONSULTANT deems necessary to perform the services required of CONSULTANT by this Agreement, subject to the prohibition against assignment and subcontracting contained in **Article 5** below. CITY may not control, direct, or supervise CONSULTANT'S assistants in the performance of those services. CONSULTANT assumes full and sole responsibility for the payment of all compensation and expenses of these assistants and for all state and federal income tax, unemployment insurance, Social Security, disability insurance and other applicable withholding.

D. Place of Work

CONSULTANT shall perform the services required by this Agreement at any place or location and at such times as CONSULTANT shall determine is necessary to properly and timely perform CONSULTANT'S services.

ARTICLE 4. COMPENSATION

A. Consideration

In consideration for the services to be performed by CONSULTANT, CITY agrees to pay CONSULTANT the amounts set forth in **Exhibit "D"** ("Payment Schedule"). In no event however shall the total compensation paid to CONSULTANT exceed _____.

B. Invoices

CONSULTANT shall submit invoices for all services rendered.

C. Payment

Payment shall be due according to the payment schedule set forth in **Exhibit "D"**. No payment will be made unless CONSULTANT has first provided City with a written receipt of invoice describing the work performed and any approved direct expenses (as provided for in **Exhibit "A"**, **Section IV**) incurred during the preceding period. If CITY objects to all or any portion of any invoice, CITY shall notify CONSULTANT of the objection within thirty (30) days from receipt of the invoice, give reasons for the objection, and pay that portion of the invoice not in dispute. It shall not constitute a default or breach of this Agreement for CITY not to pay any invoiced amounts to which it has objected until the objection has been resolved by mutual agreement of the parties.

D. Expenses

CONSULTANT shall be responsible for all costs and expenses incident to the performance of services for CITY, including but not limited to, all costs of equipment used or provided by CONSULTANT, all fees, fines, licenses, bonds or taxes required of or imposed against CONSULTANT and all other of CONSULTANT’S costs of doing business. CITY shall not be responsible for any expenses incurred by CONSULTANT in performing services for CITY, except for those expenses constituting “direct expenses” referenced on **Exhibit “A.”**

ARTICLE 5. OBLIGATIONS OF CONSULTANT

A. Tools and Instrumentalities

CONSULTANT shall supply all tools and instrumentalities required to perform the services under this Agreement at its sole cost and expense. CONSULTANT is not required to purchase or rent any tools, equipment or services from CITY.

B. Workers’ Compensation

CONSULTANT agrees to provide workers’ compensation insurance for CONSULTANT’S employees and agents and agrees to hold harmless, defend with counsel acceptable to CITY and indemnify CITY, its officers, representatives, agents and employees from and against any and all claims, suits, damages, costs, fees, demands, causes of action, losses, liabilities and expenses, including without limitation reasonable attorneys’ fees, arising out of any injury, disability, or death of any of CONSULTANT’S employees.

C. Indemnification of Liability, Duty to Defend

1. As to professional liability, to the fullest extent permitted by law, CONSULTANT shall defend, through counsel approved by CITY (which approval shall not be unreasonably withheld), indemnify and hold harmless CITY, its officers, representatives, agents and employees against any and all suits, damages, costs, fees, claims, demands, causes of action, losses, liabilities and expenses, including without limitation attorneys’ fees, to the extent arising or resulting directly or indirectly from any willful or negligent acts, errors or omissions of CONSULTANT or CONSULTANT’S assistants, employees or agents, including all claims relating to the injury or death of any person or damage to any property.

2. As to other liability, to the fullest extent permitted by law, CONSULTANT shall defend, through counsel approved by CITY (which approval shall not be unreasonably withheld), indemnify and hold harmless CITY, its officers, representatives, agents and employees against any and all suits, damages, costs, fees, claims, demands, causes of action, losses, liabilities and expenses, including without limitation attorneys’ fees, arising or resulting directly or indirectly from any act or omission of CONSULTANT or CONSULTANT’S assistants, employees or agents, including all claims relating to the injury or death of any person or damage to any property.

D. Insurance

In addition to any other obligations under this Agreement, CONSULTANT shall, at no cost to CITY, obtain and maintain throughout the term of this Agreement: (a) Commercial Liability Insurance on a per occurrence basis, including coverage for owned and non-owned automobiles, with a minimum combined single limit coverage of \$1,000,000 per occurrence for all damages due to bodily injury, sickness or disease, or death to any person, and damage to property, including the loss of use thereof; and (b) Professional Liability Insurance (Errors & Omissions) with a minimum coverage of \$1,000,000 per occurrence or claim, and \$2,000,000 aggregate; provided however, Professional Liability Insurance written on a claims made basis must comply with the requirements set forth below. Professional Liability Insurance written on a claims made basis (including without limitation the initial policy obtained and all subsequent policies purchased as renewals or replacements) must show the retroactive date, and the retroactive date must be before the earlier of the effective date of the contract or the beginning of the contract work. Claims made Professional Liability Insurance must be maintained, and written evidence of insurance must be provided, for at least five (5) years after the completion of the contract work. If claims made coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a retroactive date prior to the earlier of the effective date of the contract or the beginning of the contract work, CONSULTANT must purchase so called "extended reporting" or "tail" coverage for a minimum of five (5) years after completion of work, which must also show a retroactive date that is before the earlier of the effective date of the contract or the beginning of the contract work. As a condition precedent to CITY'S obligations under this Agreement, CONSULTANT shall furnish written evidence of such coverage (naming CITY, its officers and employees as additional insured's on the Comprehensive Liability insurance policy referred to in (a) immediately above via a specific endorsement) and requiring thirty (30) days written notice of policy lapse or cancellation, or of a material change in policy terms.

E. Assignment

Notwithstanding any other provision of this Agreement, neither this Agreement nor any duties or obligations of CONSULTANT under this Agreement may be assigned or subcontracted by CONSULTANT without the prior written consent of CITY, which CITY may withhold in its sole and absolute discretion.

F. State and Federal Taxes

As CONSULTANT is not CITY'S employee, CONSULTANT shall be responsible for paying all required state and federal taxes. Without limiting the foregoing, CONSULTANT acknowledges and agrees that:

- CITY will not withhold FICA (Social Security) from CONSULTANT'S payments;

- CITY will not make state or federal unemployment insurance contributions on CONSULTANT’S behalf;
- CITY will not withhold state or federal income tax from payment to CONSULTANT;
- CITY will not make disability insurance contributions on behalf of CONSULTANT;
- CITY will not obtain workers’ compensation insurance on behalf of CONSULTANT.

ARTICLE 6. OBLIGATIONS OF CITY

A. Cooperation of City

CITY agrees to respond to all reasonable requests of CONSULTANT and provide access, at reasonable times following receipt by CITY of reasonable notice, to all documents reasonably necessary to the performance of CONSULTANT’S duties under this Agreement.

B. Assignment

CITY may assign this Agreement or any duties or obligations thereunder to a successor governmental entity without the consent of CONSULTANT. Such assignment shall not release CONSULTANT from any of CONSULTANT’S duties or obligations under this Agreement.

ARTICLE 7. TERMINATION OF AGREEMENT

A. Sale of CONSULTANT’S Business/ Death of CONSULTANT.

1. CONSULTANT shall notify CITY of the proposed sale of CONSULTANT’S business no later than thirty (30) days prior to any such sale. CITY shall have the option of terminating this Agreement within thirty (30) days after receiving such notice of sale. Any such CITY termination pursuant to this **Article 7.A** shall be in writing and sent to the address for notices to CONSULTANT set forth in **Exhibit A, Subsection V.H.**, no later than thirty (30) days after CITY’ receipt of such notice of sale.

2. If CONSULTANT is an individual, this Agreement shall be deemed automatically terminated upon death of CONSULTANT.

B. Termination by City for Default of CONSULTANT

Should CONSULTANT default in the performance of this Agreement or materially breach any of its provisions, CITY, at CITY’S option, may terminate this Agreement by giving written notification to CONSULTANT. For the purposes of this section, material breach of this Agreement shall include, but not be limited to the following:

1. CONSULTANT’S failure to professionally and/or timely perform any of the services contemplated by this Agreement.

2. CONSULTANT'S breach of any of its representations, warranties or covenants contained in this Agreement.

CONSULTANT shall be entitled to payment only for work completed in accordance with the terms of this Agreement through the date of the termination notice, as reasonably determined by CITY, provided that such payment shall not exceed the amounts set forth in this Agreement for the tasks described on Exhibit C" which have been fully, competently and timely rendered by CONSULTANT. Notwithstanding the foregoing, if CITY terminates this Agreement due to CONSULTANT'S default in the performance of this Agreement or material breach by CONSULTANT of any of its provisions, then in addition to any other rights and remedies CITY may have, CONSULTANT shall reimburse CITY, within ten (10) days after demand, for any and all costs and expenses incurred by CITY in order to complete the tasks constituting the scope of work as described in this Agreement, to the extent such costs and expenses exceed the amounts CITY would have been obligated to pay CONSULTANT for the performance of that task pursuant to this Agreement.

C. Termination for Failure to Make Agreed-Upon Payments

Should CITY fail to pay CONSULTANT all or any part of the compensation set forth in Article 4 of this Agreement on the date due, then if and only if such nonpayment constitutes a default under this Agreement, CONSULTANT, at the CONSULTANT'S option, may terminate this Agreement if such default is not remedied by CITY within thirty (30) days after demand for such payment is given by CONSULTANT to CITY.

D. Transition after Termination

Upon termination, CONSULTANT shall immediately stop work, unless cessation could potentially cause any damage or harm to person or property, in which case CONSULTANT shall cease such work as soon as it is safe to do so. CONSULTANT shall incur no further expenses in connection with this Agreement. CONSULTANT shall promptly deliver to CITY all work done toward completion of the services required hereunder, and shall act in such a manner as to facilitate any the assumption of CONSULTANT's duties by any new consultant hired by the CITY to complete such services.

ARTICLE 8. GENERAL PROVISIONS

A. Amendment & Modification

No amendments, modifications, alterations or changes to the terms of this Agreement shall be effective unless and until made in a writing signed by both parties hereto.

B. Americans with Disabilities Act of 1990

Throughout the term of this Agreement, the CONSULTANT shall comply fully with all applicable provisions of the Americans with Disabilities Act of 1990 ("the Act") in its current form and as it may be amended from time to time. CONSULTANT shall also require such compliance of all subcontractors performing work under this Agreement, subject to the prohibition against

assignment and subcontracting contained in Article 5 above. The CONSULTANT shall defend with counsel acceptable to CITY, indemnify and hold harmless the CITY OF GILROY, its officers, employees, agents and representatives from and against all suits, claims, demands, damages, costs, causes of action, losses, liabilities, expenses and fees, including without limitation reasonable attorneys' fees, that may arise out of any violations of the Act by the CONSULTANT, its subcontractors, or the officers, employees, agents or representatives of either.

C. Attorneys' Fees

If any action at law or in equity, including an action for declaratory relief, is brought to enforce or interpret the provisions of this Agreement, the prevailing party will be entitled to reasonable attorneys' fees, which may be set by the court in the same action or in a separate action brought for that purpose, in addition to any other relief to which that party may be entitled.

D. Captions

The captions and headings of the various sections, paragraphs and subparagraphs of the Agreement are for convenience only and shall not be considered nor referred to for resolving questions of interpretation.

E. Compliance with Laws

The CONSULTANT shall keep itself informed of all State and National laws and all municipal ordinances and regulations of the CITY which in any manner affect those engaged or employed in the work, or the materials used in the work, or which in any way affect the conduct of the work, and of all such orders and decrees of bodies or tribunals having any jurisdiction or authority over the same. Without limiting the foregoing, CONSULTANT agrees to observe the provisions of the Municipal Code of the CITY OF GILROY, obligating every contractor or subcontractor under a contract or subcontract to the CITY OF GILROY for public works or for goods or services to refrain from discriminatory employment or subcontracting practices on the basis of the race, color, sex, religious creed, national origin, ancestry of any employee, applicant for employment, or any potential subcontractor.

F. Conflict of Interest

CONSULTANT certifies that to the best of its knowledge, no CITY employee or officer of any public agency interested in this Agreement has any pecuniary interest in the business of CONSULTANT and that no person associated with CONSULTANT has any interest that would constitute a conflict of interest in any manner or degree as to the execution or performance of this Agreement.

G. Entire Agreement

This Agreement supersedes any and all prior agreements, whether oral or written, between the parties hereto with respect to the rendering of services by CONSULTANT for CITY and contains all the covenants and agreements between the parties with respect to the rendering of such services in any manner whatsoever. Each party to this Agreement acknowledges that no representations,

inducements, promises or agreements, orally or otherwise, have been made by any party, or anyone acting on behalf of any party, which are not embodied herein, and that no other agreement, statement or promise not contained in this Agreement shall be valid or binding.

No other agreements or conversation with any officer, agent or employee of CITY prior to execution of this Agreement shall affect or modify any of the terms or obligations contained in any documents comprising this Agreement. Such other agreements or conversations shall be considered as unofficial information and in no way binding upon CITY.

H. Governing Law and Venue

This Agreement shall be governed by and construed in accordance with the laws of the State of California without regard to the conflict of laws provisions of any jurisdiction. The exclusive jurisdiction and venue with respect to any and all disputes arising hereunder shall be in state and federal courts located in Santa Clara County, California.

I. Notices

Any notice to be given hereunder by either party to the other may be effected either by personal delivery in writing or by mail, registered or certified, postage prepaid with return receipt requested. Mailed notices shall be addressed to the parties at the addresses appearing in **Exhibit "A", Section V.H.** but each party may change the address by written notice in accordance with this paragraph. Notices delivered personally will be deemed delivered as of actual receipt; mailed notices will be deemed delivered as of three (3) days after mailing.

J. Partial Invalidity

If any provision in this Agreement is held by a court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions will nevertheless continue in full force without being impaired or invalidated in any way.

K. Time of the Essence

All dates and times referred to in this Agreement are of the essence.

L. Waiver

CONSULTANT agrees that waiver by CITY of any one or more of the conditions of performance under this Agreement shall not be construed as waiver(s) of any other condition of performance under this Agreement.

Executed at Gilroy, California, on the date and year first above written.

CONSULTANT:

CITY:

CITY OF GILROY

By: _____
Name: _____
Title: _____

By: _____
Name: _____
Title: _____

Social Security or Taxpayer
Identification Number _____

Approved as to Form

ATTEST:

City Attorney

City Clerk

EXHIBIT "A"

SPECIFIC PROVISIONS

I. PROJECT MANAGER

CONSULTANT shall provide the services indicated on the attached **Exhibit "B"**, Scope of Services ("Services"). (All exhibits referenced are incorporated herein by reference.) To accomplish that end, CONSULTANT agrees to assign _____, who will act in the capacity of Project Manager, and who will personally direct such Services.

Except as may be specified elsewhere in this Agreement, CONSULTANT shall furnish all technical and professional services including labor, material, equipment, transportation, supervision and expertise to perform all operations necessary and required to complete the Services in accordance with the terms of this Agreement.

II. NOTICE TO PROCEED/COMPLETION OF SERVICE

A. NOTICE TO PROCEED

CONSULTANT shall commence the Services upon delivery to CONSULTANT of a written "Notice to Proceed", which Notice to Proceed shall be in the form of a written communication from designated City contact person(s). Notice to Proceed may be in the form of e-mail, fax or letter authorizing commencement of the Services. For purposes of this Agreement, _____ shall be the designated City contact person(s). Notice to Proceed shall be deemed to have been delivered upon actual receipt by CONSULTANT or if otherwise delivered as provided in the **Section V.H.** ("Notices") of this **Exhibit "A"**.

B. COMPLETION OF SERVICES

When CITY determines that CONSULTANT has completed all of the Services in accordance with the terms of this Agreement, CITY shall give CONSULTANT written Notice of Final Acceptance, and CONSULTANT shall not incur any further costs hereunder. CONSULTANT may request this determination of completion when, in its opinion, it has completed all of the Services as required by the terms of this Agreement and, if so requested, CITY shall make this determination within two (2) weeks of such request, or if CITY determines that CONSULTANT has not completed all of such Services as required by this Agreement, CITY shall so inform CONSULTANT within this two (2) week period.

III. PROGRESS SCHEDULE

The schedule for performance and completion of the Services will be set forth in the attached **Exhibit "C"**.

IV. PAYMENT OF FEES AND DIRECT EXPENSES

Payments shall be made to CONSULTANT as provided for in **Article 4** of this Agreement.

Direct expenses are charges and fees not included in **Exhibit “B”**. CITY shall be obligated to pay only for those direct expenses which have been previously approved in writing by CITY. CONSULTANT shall obtain written approval from CITY prior to incurring or billing of direct expenses.

Copies of pertinent financial records, including invoices, will be included with the submission of billing(s) for all direct expenses.

V. OTHER PROVISIONS

A. STANDARD OF WORKMANSHIP

CONSULTANT represents and warrants that it has the qualifications, skills and licenses necessary to perform the Services, and its duties and obligations, expressed and implied, contained herein, and CITY expressly relies upon CONSULTANT’S representations and warranties regarding its skills, qualifications and licenses. CONSULTANT shall perform such Services and duties in conformance to and consistent with the standards generally recognized as being employed by professionals in the same discipline in the State of California.

Any plans, designs, specifications, estimates, calculations, reports and other documents furnished under this Agreement shall be of a quality acceptable to CITY. The minimum criteria for acceptance shall be a product of neat appearance, well-organized, technically and grammatically correct, checked and having the maker and checker identified. The minimum standard of appearance, organization and content of the drawings shall be that used by CITY for similar purposes.

B. RESPONSIBILITY OF CONSULTANT

CONSULTANT shall be responsible for the professional quality, technical accuracy, and the coordination of the Services furnished by it under this Agreement. CONSULTANT shall not be responsible for the accuracy of any project or technical information provided by the CITY. The CITY’S review, acceptance or payment for any of the Services shall not be construed to operate as a waiver of any rights under this Agreement or of any cause of action arising out of the performance of this Agreement, and CONSULTANT shall be and remain liable to CITY in accordance with applicable law for all damages to CITY caused by CONSULTANT’S negligent performance of any of the services furnished under this Agreement.

C. RIGHT OF CITY TO INSPECT RECORDS OF CONSULTANT

CITY, through its authorized employees, representatives or agents, shall have the right, at any and all reasonable times, to audit the books and records (including, but not limited to, invoices, vouchers, canceled checks, time cards, etc.) of CONSULTANT for the purpose of verifying any and all charges made by CONSULTANT in connection with this Agreement. CONSULTANT shall maintain for a minimum period of three (3) years (from the date of final payment to CONSULTANT), or for any longer period required by law, sufficient books and records in accordance with standard California accounting practices to establish the correctness of all charges submitted to CITY by CONSULTANT, all of which shall be made available to CITY at the CITY’S offices within five (5) business days after CITY’S request.

D. CONFIDENTIALITY OF MATERIAL

All ideas, memoranda, specifications, plans, manufacturing procedures, data (including, but not limited to, computer data and source code), drawings, descriptions, documents, discussions or other information developed or received by or for CONSULTANT and all other written and oral information developed or received by or for CONSULTANT and all other written and oral information submitted to CONSULTANT in connection with the performance of this Agreement shall be held confidential by CONSULTANT and shall not, without the prior written consent of CITY, be used for any purposes other than the performance of the Services, nor be disclosed to an entity not connected with the performance of the such Services. Nothing furnished to CONSULTANT which is otherwise known to CONSULTANT or is or becomes generally known to the related industry (other than that which becomes generally known as the result of CONSULTANT'S disclosure thereof) shall be deemed confidential. CONSULTANT shall not use CITY'S name or insignia, or distribute publicity pertaining to the services rendered under this Agreement in any magazine, trade paper, newspaper or other medium without the express written consent of CITY.

E. NO PLEDGING OF CITY'S CREDIT.

Under no circumstances shall CONSULTANT have the authority or power to pledge the credit of CITY or incur any obligation in the name of CITY.

F. OWNERSHIP OF MATERIAL.

All material including, but not limited to, computer information, data and source code, sketches, tracings, drawings, plans, diagrams, quantities, estimates, specifications, proposals, tests, maps, calculations, photographs, reports and other material developed, collected, prepared (or caused to be prepared) under this Agreement shall be the property of CITY, but CONSULTANT may retain and use copies thereof subject to **Section V.D** of this **Exhibit "A"**.

CITY shall not be limited in any way in its use of said material at any time for any work, whether or not associated with the City project for which the Services are performed. However, CONSULTANT shall not be responsible for, and City shall indemnify CONSULTANT from, damages resulting from the use of said material for work other than PROJECT, including, but not limited to, the release of this material to third parties for work other than on PROJECT.

G. NO THIRD PARTY BENEFICIARY.

This Agreement shall not be construed or deemed to be an agreement for the benefit of any third party or parties, and no third party or parties shall have any claim or right of action hereunder for any cause whatsoever.

H. NOTICES.

Notices are to be sent as follows:

CITY:

City of Gilroy
7351 Rosanna Street
Gilroy, CA 95020

CONSULTANT:

I. FEDERAL FUNDING REQUIREMENTS.

- If the box to the left of this sentence is checked, this Agreement involves federal funding and the requirements of this **Section V.I.** apply.
- If the box to the left of this sentence is checked, this Agreement does not involve federal funding and the requirements of this **Section V.I.** do not apply.

1. DBE Program

CONSULTANT shall comply with the requirements of Title 49, Part 26, Code of Federal Regulations (49 CFR 26) and the City-adopted Disadvantaged Business Enterprise programs.

2. Cost Principles

Federal Acquisition Regulations in Title 48, CFR 31, shall be used to determine the allowable cost for individual items.

3. Covenant against Contingent Fees

The CONSULTANT warrants that he/she has not employed or retained any company or person, other than a bona fide employee working for the CONSULTANT, to solicit or secure this Agreement, and that he/she has not paid or agreed to pay any company or person, other than a bona fide employee, any fee, commission, percentage, brokerage fee, gift or any other consideration, contingent upon or resulting from the award or formation of this Agreement. For breach or violation of this warranty, the Local Agency shall have the right to annul this Agreement without liability or, at its discretion, to deduct from the agreement price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gift or contingent fee.

EXHIBIT "B"
SCOPE OF SERVICES

EXHIBIT “C”
MILESTONE SCHEDULE

EXHIBIT “D”
PAYMENT SCHEDULE

ATTACHMENT D – 10th STREET BRIDGE DESIGN SCOPE OF WORK (BENGAL ENGINEERING)

**Bengal's Revised Proposal for the
Design of the 10th St. Bridge over Uvas Creek**

Submitted to:
Gary Heap, PE, City Engineer
City of Gilroy



Aerial view of project location looking to the southeast.

Submitted April 13, 2020



April 13, 2020

Mr. Gary Heap, P.E., City Engineer
Department of Public Works
City of Gilroy
7351 Rosanna Street
Gilroy, CA 95020

RE: Revised Proposal for the Design of the 10th St. Bridge Project

Dear Mr. Heap,

In August, 2016 Bengal Engineering entered into a contract with the City of Gilroy to design the 10th St. Bridge over Uvas Creek. The scope included additional roadway improvements requested by the City.

Bengal made good progress on the original concept scoped in our contract project but was asked to stop work in October, 2018 when the City developed concerns regarding construction funding. Since then, Bengal waited for direction from City staff as to how-to-proceed.

The new direction came via conference call on January 8, 2020 whereby the City directed a new scope for the contract.

The project will be re-scoped to build:

- Two new bridges—the longer bridge over Uvas Creek and the “Breezeway Bridge” for the multi-use trail which will pass under 10th St. on the east side of Uvas Cr.
- A roundabout at Uvas Parkway.
- Roadway modifications / realignments to portions of 10th St. and Uvas Parkway. 10th St. will conform to the roadway grade near Orchard Drive, at a point to be determined by the designers.
- Reconstruction/realignment of the Uvas Creek Levees / Levee trail.
- Design of multi-use trails under 10th St.
- Provide post-construction storm water controls to reduce pollutants.

Items which have been *removed* from the original contract scope include:

- The second roundabout originally proposed for 10th St. at Orchard Drive; instead this intersection will mostly be “left alone” with a design striving to match the grades / curb and gutter in a manner to be determined with the focus on minimizing cost. This intersection will remain as “stop controlled” for the Orchard St. leg.
- Roadway improvements to 10th St., including the raised median and fence which was envisioned continuing along the high school frontage to Princevalle Street.
- Both “drop off zones” and the roadway modifications originally envisioned along the high school.
- The “10th St. Safety Improvements” (which included work on Princevalle St.).
- The storm drain improvements originally conceived along 10th St. Instead, the project will tie to the existing storm drain near Orchard St. In the future, storm drainage improvements can be completed as part of another project.

The Previous Contract Scope is Entirely Replaced

The attached work plan replaces the original work plan in its entirety.

A handwritten signature in blue ink, appearing to read "S. Onishuk". The signature is fluid and cursive, with a long horizontal stroke at the end.

Scott Onishuk, PE



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Bengal Engineering's Work Plan

The City of Gilroy has identified the need to construct the missing link of 10th Street across Uvas Creek near Gilroy High School to complete this portion of the transportation system.

The project includes the following:

- Design of new bridge over Uvas Creek at 10th Street.
- A Levee Recertification request, preparing Location Hydraulic Form and Summary Floodplain Encroachment Report.
- Design of a second bridge: the Levee Trail "breezeway" bridge under 10th Street.
- Preparation of Draft and Final Geotechnical reports for both the Uvas Creek Bridge and the Levee Trail Bridge.
- Design of re-routing of Levee Trail to accommodate the new 10th St. bridge over Uvas Cr. to allow trail users to pass under the new 10th street roadway, unimpeded.
- Design of street improvements on 10th St., including a new roundabout at Uvas Parkway and roadwork continuing eastward to a conform near Orchard Street.
- Modifications to Uvas Parkway to accommodate the new roundabout at 10th St.
- Preparation of the right-of-way mapping for the project.

The environmental studies / permits and right-of-way acquisition will be performed by others.

PROJECT UNDERSTANDING AND APPROACH

We have identified the following key objectives for project success:

- **Address key technical issues** associated with the extension of 10th Street over Uvas Creek, including Santa Clara Valley Water District (SCVWD) flood conveyance requirements, Floodplain “No Rise” Certificate, Location Hydraulic Form and Summary Floodplain Encroachment Report, Levee Recertification Request, coordination between bridge and roadway design, trail access, and right-of-way, while balancing the environmental constraints.
- Maximize the use of available funds by reducing project costs.
- Meet or exceed the proposed project schedule.
- Implement aesthetic features within the project budget.

In this proposal we address the key technical issues for the project and define the deliverables.

Additionally, a schedule highlighting critical path tasks is presented.

The Bengal Team stands ready to provide the planning, engineering, and coordination necessary for the successful completion of the project.

1 PROJECT MANAGEMENT AND ADMINISTRATION

Bengal will manage the project by tracking the schedule, budget and value of the products produced.

Brief progress reports will be prepared and submitted to the City each month. The progress reports will identify work completed to date, work performed in the prior month, work anticipated for the next month, and action items necessary to keep the project on track and moving forward.

Kickoff Meeting

A kickoff meeting for the project team, including City staff, will be held in Gilroy. Associated with the kick-off meeting will be a field review at the bridge site with the City and SCVWD to review the critical aspects of the project.

Concept Workshop

As part of the kickoff meeting, the Project Team and City staff will hold a “concept workshop” to define the components of the project which will be included in the design. Topics will include:

- Approximate “touch down” location for 10th St. near Orchard Drive.
- Limits of raised median.
- Portions of 10th St. which will have sidewalk.
- ADA Compliance:
 - Allowed Crosswalk Profile Grades
 - Allowed Crosswalk Crossfall Grades
 - Allowed access ramp grades (ramps in curb returns at roundabouts)
- Path connections from the breezeway to the curb returns at 10th/Uvas Pkwy.
- Definition of the roadway cross sections for Uvas Parkway and Orchard Drive (width/lane configuration)

Deliverable:

- Kickoff Meeting: One copy of the project information binder including scope of services, schedule, fee, and project contact list for the City’s use.
- Concept Workshop
 - Before the workshop: Bengal will prepare exhibits showing our suggestions for the project.
 - During the workshop: Bengal will chair the meeting, leading the discussion.
 - After the workshop: Bengal will prepare a “Basis of Design Memo” documenting the decisions which were made to guide the design.

Quality Control

Bengal will provide internal quality control on products submitted to the City. A senior level Bengal engineer will provide independent quality control review.

Monthly Meetings

BENGAL will lead monthly video-conference meetings to review the schedule, budget, and address key issues for the project.

Deliverable:

- Bengal will chair a monthly meeting. Bengal will supply the agenda, updated schedule, meeting minutes, and “action log”.
 - The City will arrange for the environmental consultant to attend.

2 GEOMETRIC APPROVAL DRAWINGS (GADs)

Using the “Basis of Design Memo” developed as a result of the Concept Workshop at the Kickoff meeting, Bengal will develop “Geometric Approval Drawings” for the revised design.

ADA COMPLIANCE GRADE CHECK

ADA compliance will be key for project success: this is why the 10th St. bridges have been designed with profile grade which is less than 5%.

Other ADA aspects which will be defined in the GAD include:

- The crossfall and profile grades in the crosswalks.

GEOMETRIC APPROVAL DRAWINGS

The Geometric Approval Drawings (GADs) will define the alignment, profile, and typical section of 10th Street from the previously-designed roundabout at Uvas Parkway to the a conform near Orchard Street.

We envision that the project will revise the 10th St. centerline alignment from east of the roundabout for Uvas Parkway, from about Station 48+00 to a new conform near Station 54+00.

The GAD will be prepared over the topographic mapping and existing right-of-way lines.

Deliverables:

- Typical Section Sheets
- Plan and Profile Sheets
- ADA Compliance Grade-Checks: crosswalks: profile and crossfall

3 STORMWATER MANAGEMENT: POST-CONSTRUCTION PERFORMANCE & MITIGATION

Projects within the City of Gilroy, are regulated by the Regional Water Quality Control Board Region 3 (Central Coast Region) as described in the *Stormwater Guidance Manual for Low Impact Development and Post-Construction Requirements, June 2015*

This document states,

“Post-construction controls are permanent features of a new development or redevelopment project designed to reduce pollutants in stormwater and/or erosive flows during the life of the project.”

Because of the extensive amount of pavement and bridge deck which will be added by the proposed project, we anticipate that the project will need to accommodate the “Tier 4 Requirements”. Such an undertaking will require extensive consideration in design using an iterative approach.

The Storm Water Guidance Manual suggests,

“The key to meeting the performance requirements is to plan and design stormwater control measures (SCMs) integrally with the conceptual site plan and landscaping for the project. Layout the site to protect and preserve natural areas and drainage patterns. Delineate drainage management areas (DMAs) on your site...”

Deliverables:

- After the roadway geometry is approved in the GAD’s (thereby defining the impervious areas generated by the project), Bengal will create conceptual Stormwater Management plans for approval by the City. These plans will earmark areas for infiltration and provide the proposed concepts for City approval. Because of the requirements for controlling runoff, we anticipate that areas will likely include the region currently used for parking during the Garlic Festival. Other infiltration / “low impact development” areas will be likely be included along portions of the roadways.
- After City approval of the concept storm water management plans, Bengal will perform infiltration testing in 4 locations: 2 locations in dirt “parking area” used for the Gilroy Garlic Festival (west of Gilroy High School), 1 on the east side of 10th Street between Uvas Parkway and Orchard St, along high school frontage, and 1 location on the west bank of Uvas Creek near the location of the existing “beehive” inlets. A total of 8 tests.
- Tests performed in general accordance with the Deep Quick Infiltration Testing Methodology, Native Soil Assessment for Small Infiltration Based Stormwater Control Measures, Central Coast Low Impact Initiative.
- Report of test methods, map showing the approximate test locations and tables of the infiltration test results.
- As part of the 65% PS&E, Bengal will design the post construction measures package for City approval.
- After what is anticipated to be minor adjustments from the 65% design, Bengal will complete the Stormwater Management Plan for Post-Construction water treatment to the City of Gilroy. This information will be used by the City’s environmental consultant to proceed with the Section 401 Water Quality Certification.

4 ENVIRONMENTAL SUPPORT

Bengal's Support for the Environmental Studies: CEQA / NEPA documents (prepared by others)

We understand a CEQA / NEPA document for the proposed work will be prepared by others. BENGAL will provide engineering support as requested.

Deliverables (City to Bengal):

- An electronic copy of the CEQA document
- Any Traffic Engineering

Deliverable (Bengal to City):

- Engineering support for the environmental studies

5 UTILITY COORDINATION

Based on the responses we have received from the utility companies at the time of this proposal, we know of no utility conflicts within the project limits. Therefore, our utility coordination is limited to coordinating with the City to accommodate a new waterline in the bridge.

NEW WATERLINE: 10TH ST. BRIDGE

Because it will be complicated to support a waterline inside the bridge, we envision the pipeline will be supported externally by pipe hangers supported by the deck overhang on the upstream/north side of the bridge.

We assume the waterline will be designed by others. We will design the hangers for the waterline using the hanger spacing and loading criteria provided by the waterline designer. The waterline designer will design their own supports / transition from the bridge to "underground", likely be supported on wing walls.

For the smaller Breezeway Bridge, because an exposed pipe will be unattractive and subject to vandalism, we assume there will be no hangers.

SCVWD Reclaimed Waterline

An existing Santa Clara Valley Water District reclaimed water line is situated between the top of bank and the paved SCVWD maintenance road. We have digitized the record drawings provided by SCVWD and believe that this reclaimed waterline will be clear of conflict from the bridge piles and we anticipate additional “fill” will be placed around this line, and that such grading will not require relocation. Our plans will show the SCVWD reclaimed waterline and define that it shall be “protected in place”.

Existing Valves and Manholes

We assume existing manhole frames and covers, and water valves, can be adjusted to grade without right-of-way agreements or “design”.

TEMPORARY ELECTRICAL POWER FOR CONSTRUCTION

City staff requested that as part of the bid documents, Bengal include a contract bid time for temporary power.

Bengal will include a bid item whereby the Contractor will be compensated-- “design, coordination, construction and implementation of project temporary power and all costs to provide power during the period of construction”.

This item will include all negotiation with PG&E, all design and all construction, all fees and permits; everything necessary to coordinate and to supply an adequate supply of electrical power for this project. In addition to use by Contractor’s forces, this power shall be made readily available to others as deemed appropriate by the City.

This item will also include removal of the temporary power facilities at a time deemed appropriate by the City.

Deliverables:

- Coordination with City for the new waterline in the 10th St. Bridge over Uvas Creek
- Coordination with City regarding wording for the bid item which will provide “Temporary Electrical Power for Construction”.

6 GEOTECHNICAL STUDIES

Bengal will provide geotechnical engineering services for the project. We will prepare a preliminary Geotechnical Report (PGR) and subsequent Geotechnical Report (GR) for the project. Geotechnical engineering tasks will be conducted in accordance with the general requirements and guidelines of the California Department of Transportation (Caltrans).

Engineering Analyses

Results obtained from the field and laboratory testing program will be used to establish an idealized soil profile and strength parameters for bridge and retaining wall (if necessary) foundation design, seismic design, calculation of lateral earth pressures, and slope stability and settlement calculations for the approaches. We will provide information on remediation measures if the site soils are corrosive to concrete or steel structures. R-value testing results will be used to determine composite pavement structural sections using Traffic Indices provided by the City.

Report Preparation

We will prepare two reports:

- a "Preliminary Geotechnical Report "(PGR) at the 65% Plan submittal
- a "Geotechnical Report " (GR) for the final (100%) project PS&E submittal

Both reports will contain sections addressing the roadway pavement and embankments, and retaining wall foundations. Format and content of the PGR and GR will follow Caltrans guidelines.

Several copies of the draft version of the report will be submitted for review during Phase 1. Review comments will be incorporated into final report.

Deliverables:

- Preliminary Geotechnical Report (will be provided at 65% submittal)
- Geotechnical Report (provided at 100% PS&E submittal)

7 BRIDGE HYDROLOGY & HYDRAULIC STUDY

As part of the project development process, a detailed analysis of floodplains is necessary to properly plan and prepare for potential flooding conditions because of the bridge.

A preliminary Hydraulics Memorandum for the 10th Street Bridge has been prepared by Bengal Engineering dated, January 12, 2018. Per Eric Simmons, FEMA, email dated, November 17, 2017, a “No Rise” certification may meet local requirements for development in a regulatory floodway and floodplain fringe. As such, no hydraulic analysis is anticipated as part of this scope, except updating the HEC-RAS Model to current version of the software.

Based on Bengal’s preliminary Hydraulics Memorandum and HEC-RAS model, Bengal will prepare the draft Bridge Hydrologic and Hydraulic Study for the project per Caltrans Highway Design Guideline and the Santa Clara Valley Water District (SCVWD) design flow.

The study will:

- Document the discharge estimate
- Define the study reach
- Document recommendations for bridge profile
- Provide recommendations for bank protection and scour-control measures

The Bridge H&H Study will be a standalone document specific to the bridge.

Geometric data for the floodplain analysis will be based upon digital topographic mapping and supplemented with field surveyed cross sections.

Deliverable:

- Bridge Hydrologic and Hydraulic Study

SCVWD Coordination

Bengal will coordinate with the SCVWD for the following aspects of the project design and approval process:

- Bridge H&H Study
- Bridge Plans
- Roadway Approaches & Levee Trails
- Levee Maintenance Accesses
- ACOE Levee Recertification

FEMA Floodplain Study

Bengal will submit a Floodplain “No Rise” Certificate to the City.

Deliverable:

- Floodplain “No Rise” Certificate for the design reach.

U.S. Army Corps of Engineers Levee Recertification

Bengal will prepare the Levee Recertification Request for the reach of the Uvas Creek that will be affected by the 10th Bridge Project.

The request will include the following supporting information:

Freeboard. Minimum freeboard required 3 feet above the Base Flood Elevation (BFE) all along length, and an additional 1 foot within 100 feet of structures (such as bridges) or wherever the flow is restricted. Additional 0.5 foot at the upstream end of a levee.

Closures. All openings will be provided with closure devices that are structural parts of the system during operation and designed according to sound engineering practice.

Embankment Protection. Engineering analyses to demonstrate whether appreciable erosion of the levee embankment can be expected during the base flood, as a result of either currents or waves, and that anticipated erosion will not result in failure of the levee embankment or foundation directly or indirectly through reduction of the seepage path and subsequent instability.

Embankment and Foundation Stability Analyses. Engineering analyses to evaluate levee embankment stability. The analyses to evaluate expected seepage during loading conditions associated with the base flood and demonstrate that seepage into or through the levee foundation and embankment will not jeopardize embankment or foundation stability.

An alternative analysis demonstrating that the levee is designed and constructed for stability against loading conditions for Case IV as defined in the U.S. Army Corps of Engineers (USACE) Engineer Manual 1110–2–1913, Design and Construction of Levees, (Chapter 6, Section II) may be used.

Settlement Analyses. Engineering analyses to assess the potential and magnitude of future losses of freeboard as a result of levee settlement and demonstrate that freeboard will be maintained. This analysis will address embankment loads, compressibility of embankment soils, compressibility of foundation soils, age of the levee system, and construction compaction methods. In addition, detailed settlement analysis using procedures such as those described in USACE Engineer Manual 1110–1–1904, Soil Mechanics Design—Settlement Analysis, will be submitted.

Interior Drainage. An analysis to identify the source(s) of such flooding, the extent of the flooded area, and, if the average depth is greater than 1 foot, the water-surface elevation(s) of the base flood. This analysis will be based on the joint probability of interior and exterior flooding and the capacity of facilities (such as drainage lines and pumps) for evacuating interior floodwaters.

Deliverable:

- Levee Recertification Request

8 PREPARE 65% PLANS

Bridge Design Calculations

Bridge design will be in accordance with AASHTO LRFD Bridge Design Specifications, Eighth Edition with California Amendments (AASHTO-CA BDS-8) and applicable sections of the Caltrans Bridge Memo to Designers and Bridge Design Aids Manuals.

California Department of Transportation Construction Contract (2018 Standards) that includes the Standard Specifications, Standard Plans, Standard Special Provisions, and Standard Bid Items shall be used to develop the Project PS&E Package.

The design will meet City, Caltrans and FHWA standards in effect as of the date of the Notice to Proceed. Seismic design will be performed in accordance with the latest edition of the Caltrans Seismic Design Criteria.

Detailing of plans will be in accordance with the Caltrans Bridge Design Details Manual, and Caltrans Standard Plans and Standard Specifications.

The bridge barrier rail will be updated to a MASH-tested Caltrans Standard.

Prepare 65% Bridge Plans

The Uvas Cr. bridge plans will include approximately following sheets:

- General Plan
- Deck Contours
- Foundation Plans
- Abutment 1 Layout
- Abutment 4 Layout
- Abutment Footing Layout
- Abutment Details No. 1
- Abutment Details No. 2
- Abutment Details No. 3
- Pier Layout
- Bent Details
- Typical Section
- Girder Layout

- Girder Reinforcement
- Miscellaneous Details
- Metal Railing Layout No. 1
- Metal Railing Layout No. 2
- Utility Support Assemblies
- Barrier Rail Architectural Details
- Miscellaneous Barrier Rail Details
- Log-of-Test-Borings No.1
- Log-of-Test-Borings No.2

The Breezeway bridge plans will include approximately the following sheets:

- General Plan
- Deck Contours
- Foundation Plans
- Abutment 1 Layout
- Abutment 2 Layout
- Typical Section
- Deck Slab Reinforcement Details
- Retaining Wall
- Barrier Rail Arch. Details
- Misc. Barrier Rail Details
- Log-of-Test-Borings No.1
- Log-of-Test-Borings No.2

Prepare 65% Roadway Plans

The project “roadway” plans will include approximately following sheets:

- Title Sheet
- Abbreviations and Legend
- Survey Control
- Project Overview
- Typical Cross Sections
- Roadway Plan and Profile Sheets
- Construction Details
- Existing Utility Plan
- Drainage Plans, Profiles, Quantities (including the post-construction requirements)
- Contour Grading (Bridge abutments)
- Fencing Plans
- Fencing Quantities
- Pavement Delineation (signing and striping)
- Pavement Delineation Quantities
- Roadway Quantities: Base, Paving, Curb & Gutter, Sidewalk
- Key Line Geometry
- Roadway Cross sections (10th St., Uvas Parkway, Pathway)

Deliverable:

- 65% Roadway Plans
- 65% Bridge Plans
- 65% Specifications and Estimate

Notes Regarding Drainage Plans

Naturally the proposed project will add to the amount of paved surfaces and increase the runoff from the proposed improvements. Initially we had hoped to add new storm drains leading to Uvas Creek from the proposed improvements, but have been verbally directed by SCVWD that such new drains will not be allowed through the levees. This leaves the only practical option of draining much of the site to the east. Today the existing drainage systems drain easterly along 10th St. to a larger storm drain which drains south on Princeville Street.

An additional concern for the city is project cost. The initial concept (shown in the 65% plans delivered in October 2018) showed a new drainage system—parallel to, but south of the existing drainage system on 10th St. The cost for such a drainage system is significant, requiring many thousands of feet of storm drain along with much pavement replacement.

This proposal provides a revised approach for the 10th St. Bridge project with the anticipation that future improvements will be made on 10th St, perhaps both for the High School Student Drop Off zones and a future drainage project will be programed to accommodate the drainage.

With this understanding, the 10th St. Bridge project will tie to the existing city storm drain system, likely at the intersection of 10th St. and Orchard.

Bengal's scope also includes design of the "Stormwater post-construction mitigation accommodations which will require drainage design and features mentioned in that item.

9 R/W MAPPING:

Bengal's sub-consultant, Reese Water and Land Surveying, will delineate the configuration of the existing right-of-way and existing easement.

Bengal will determine the requirements / limits for permanent and temporary easements.

Reese will create the right-of-way mapping (existing and proposed) for the project.

Reese's work includes creation of the right-of-way map, exhibits and legal descriptions, and the ancillary tasks and research.

See Reese's scope attached at the end of Bengal's proposal for more detail.

Deliverables:

After approval of 65% plans:

- Bengal will determine the permanent and temporary construction easements

Concurrent with the 95% / 100% design

- Reese will create the right-of way maps
- Reese will create the legal exhibits and legal descriptions for the project
- Bengal will coordinate with City's R/W Appraiser as requested (budget)

10 PREPARE 95% PS&E

95% Bridge Plans

Perform bridge independent check

A Bengal engineer will independently check the bridge design. The independent check will result in a set of calculations back-checked and reconciled with the designer.

Incorporate comments from 65% review and independent check

The designer will reconcile with the checker, and incorporate design changes into the contract plans. At that time we will also incorporate comments from the 65% review.

95% Plans

BENGAL will respond to and incorporate, where appropriate, comments from the 65% submittal review. The final plans will be prepared for use in estimating, specifications and permit applications.

95% Construction Schedule

BENGAL will prepare the construction working day schedule. For the bridge work, this schedule will be used for programming the construction phase of the project and for preparing the project special provisions.

Specifications / Special Provisions

BENGAL will prepare the technical portion of the project specifications, the "Special Provisions" in Caltrans format. BENGAL will also prepare the list of bid items.

Quantity Takeoffs and Calculations

BENGAL will prepare a set of quantity calculations for the bridge items. The roadway quantities will be calculated and summarized on Excel spreadsheets. The Engineer's Estimate of cost will be developed from the bridge and roadway quantities.

Deliverable: Submit 95% PS&E

- The 95% plans, specifications and estimate will be submitted to the City for review and comment.

11 PREPARE 100% PS&E

Update Contract Plans

BENGAL will update the project plans based on appropriate comments from the 95% PS&E review. BENGAL will prepare a memorandum to address the comments from the 95% PS&E review.

Update Contract Specifications

BENGAL will incorporate appropriate comments from the 95% PS&E review into the contract specifications.

Update Quantities and Estimate

BENGAL will update the quantities and estimate from appropriate comments from the 95% PS&E review.

Deliverable: Submit 100% PS&E

- The 100% plans, specifications and estimate will be submitted to the City for bidding.

12 PREPARE “RESIDENT ENGINEER PENDING” FILE

This is not part of this contract as requested by City.

13 SUBMIT FINAL PS&E

BENGAL will submit the final PS&E and support documents, reports so the City can advertise the construction contract sometime in the future.

ASSUMPTIONS / EXCLUSIONS

Our proposed scope is based on the following assumptions/exclusions:

1. The project is feasible as described.
2. The project will proceed uninterrupted.
3. All environmental coordination is by others. Effort shown for environmental support is a budget figure.
4. We envision that others, such as the Environmental Planners working on the permitting for the project may need their own surveying—surveying the “trees” for example. We assume that others, such as the environmental planners, will augment the surveying for their own needs.
5. Monthly Meetings: We assume the majority of the meetings will be held by video / telephone conference. We have provided a budget for on-site meetings shown on the fee estimate.
6. Retaining walls: Besides the wing walls for the bridge and the pedestrian tunnel portals, other retaining walls are not included in our proposed work because none are expected to be needed for the project.
7. Utility openings in bridge: We will provide the requested utility openings and blank conduits in the bridge and bridge rails—within reasonable limits using typical Caltrans Standard Bridge Details. Special design for large utility lines within the bridge are not anticipated.
8. Drainage Design: Based on our discussion with SCVWD, we understand that it will not be possible to penetrate the levee to provide new storm drains to Uvas Creek north of the bridge as part of the project. Therefore, we envision that the project will have to be continue to use the existing 10th St. storm drain. Our work will create new drainage systems, likely to include concrete gutters, roadside ditches, concrete pipes and drop inlets, which will tie to existing storm drains on 10th St. Our proposed work will neither evaluate nor “upgrade” the existing trunk storm drainage system.
9. It is assumed that internal drainage study will be required for the levee recertification request.

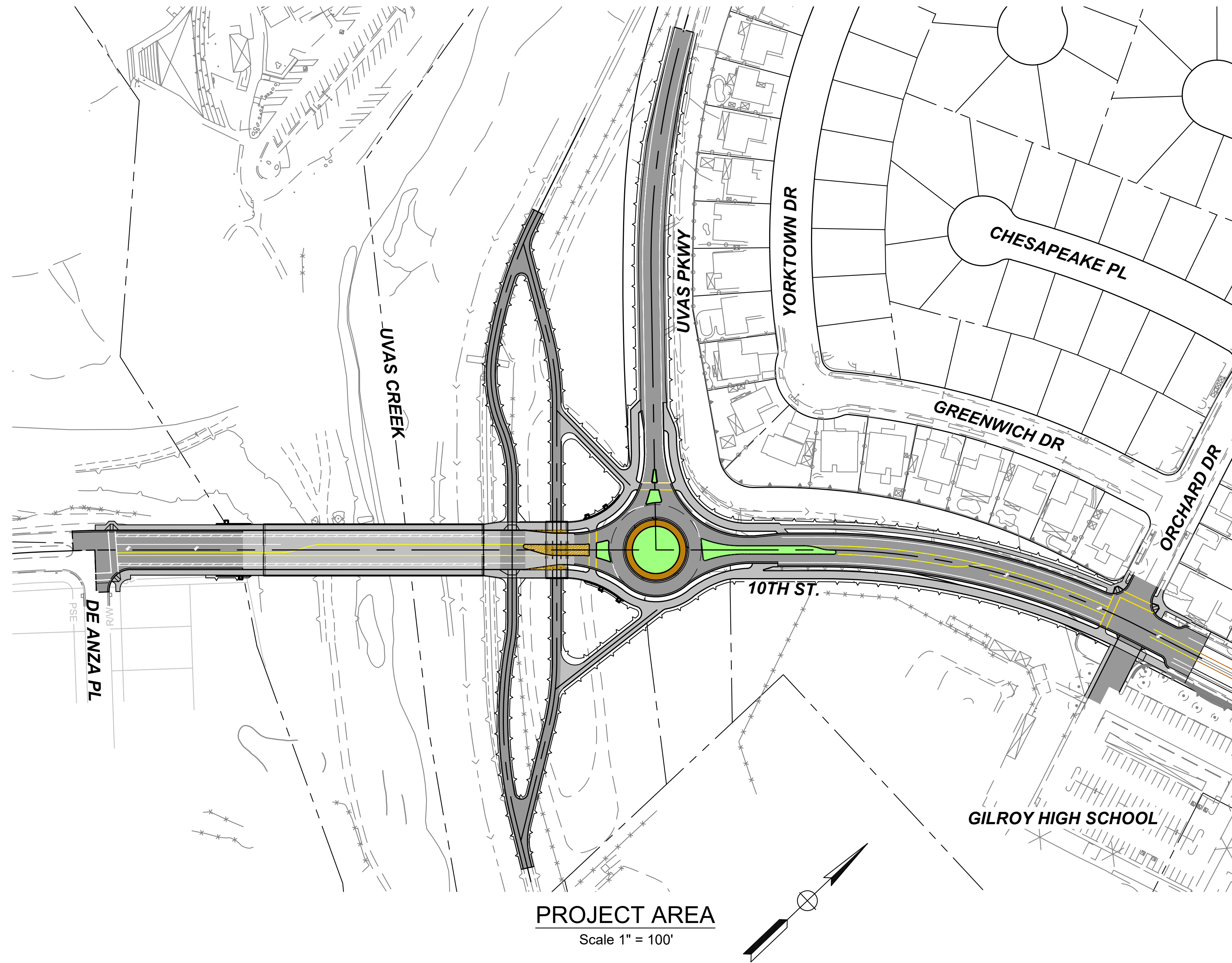
10. Sediment Transport Analysis of Uvas Creek: excluded because it is not expected to be needed.
11. Utility Relocation: relocation of existing utilities is not anticipated.
12. Stage Construction Plans: Because the bridge work is located outside of existing roads, stage construction plans are not included. Preparation of Stage Construction and Traffic Handling plans will be included as bid items in the construction contract.
13. Photocopies: We envision that most of our work products will be submitted electronically (PDF). We have included a budget for Mail and Reprographics for hard-copy submittals.
14. Anticipated ADA compliance: we anticipate the following guidelines for the crosswalk profile grades and crossfall:
 - At the proposed 10th St. / Uvas Parkway Roundabout:
 - Because this not a stop-controlled intersection, the ADA-allowed grades for both profile and crossfall are 5% max.
 - At 10th St. the intersection of 10th St. and Orchard St.:
 - Crossing 10th St. (roughly north-south): Because this is not a stop-controlled intersection, these cross walks will have the same crossfall as the profile grade of the street.
 - Crossing Orchard (roughly east-west): Because the Orchard St. leg of this intersection is stop-controlled, the cross fall of the cross walk cannot exceed 2%. The profile grade in the direction of travel within the cross walk cannot exceed 5%.
15. The timeline with regard to approvals and required decisions from outside agencies is beyond our control.

ATTACHMENT E – BRIDGE AND ROADWAY IMPROVEMENT PLANS (BENGAL ENGINEERING)

**CITY OF GILROY
PUBLIC WORKS DEPARTMENT**

**BRIDGE AND ROADWAY IMPROVEMENT PLANS FOR
10TH STREET
FROM DE ANZA PLACE TO ORCHARD DRIVE
AND UVAS PARKWAY
FROM 10TH STREET TO APPROXIMATELY 1000' NORTH WEST
IN SANTA CLARA COUNTY, CALIFORNIA
CITY PROJECT NO.**

TO BE SUPPLEMENTED BY THE STATE OF CALIFORNIA STANDARD PLANS 2018



**REVISED SET
DATED 6/9/2021**

Geometric Approval Drawings

Sheet Description	Sheet Nos.
Title Sheet	1
Typical Cross Sections	2-6
Plan and Profiles	7-10
ADA Grade Check Compliance	11-13
Bridge-Uvas General Plan	14
Bridge-Breeze Way General Plan	15

Record Drawings

Sheet Description	Sheet Nos.
Chain Link Installation Details	C-08 (16)
Typical Cross Sections	X-02 (17)

See separate PDF of Valley Water District "Phase 2" levee rehab. Project Number 62084001.



PROJECT ENGINEER



Bengal Engineering
360 S. Hope Ave, Suite C-110
Santa Barbara, CA 93105

HAO	GAD	DATE: 2/9/2021
Design		
Drawn		
HAO		
SO		
CHK'd		

NO.	BY	DATE	REVISIONS

**10TH ST BRIDGE AND ROADWAY IMPROVEMENT PROJECT
TITLE SHEET**

CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

1:\padata\0_active projects\gilroy - 10th st bridge detailed design\production drawings\gad - title.dwg PLOTTED: 2/9/2021 BY: Henry Osquegueta

BID NO.	SHT. DES.
DWG. NO.	SHT. 1 of 17

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES

Notes:

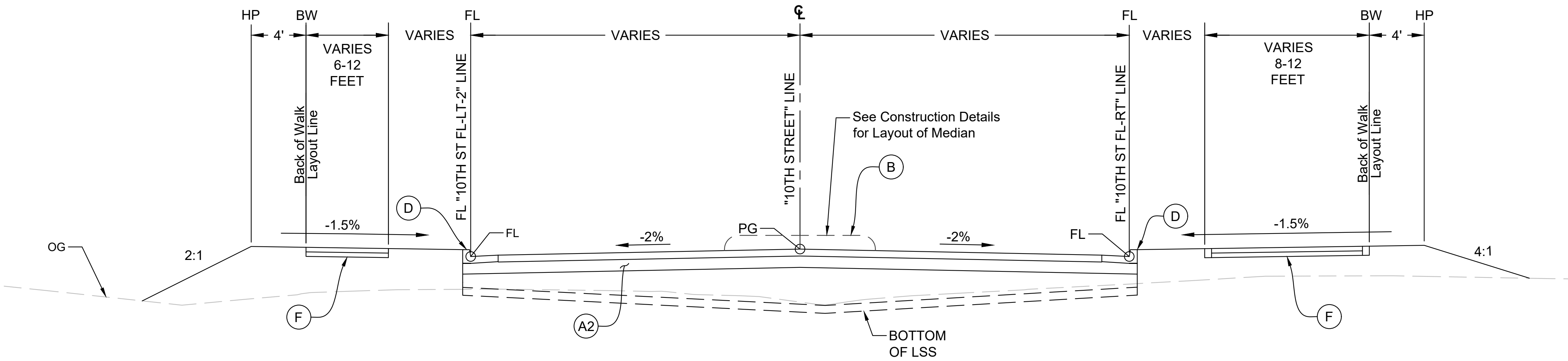
Dimensions of the structural section are subject to tolerances specified in the Standard Specifications

Legend:

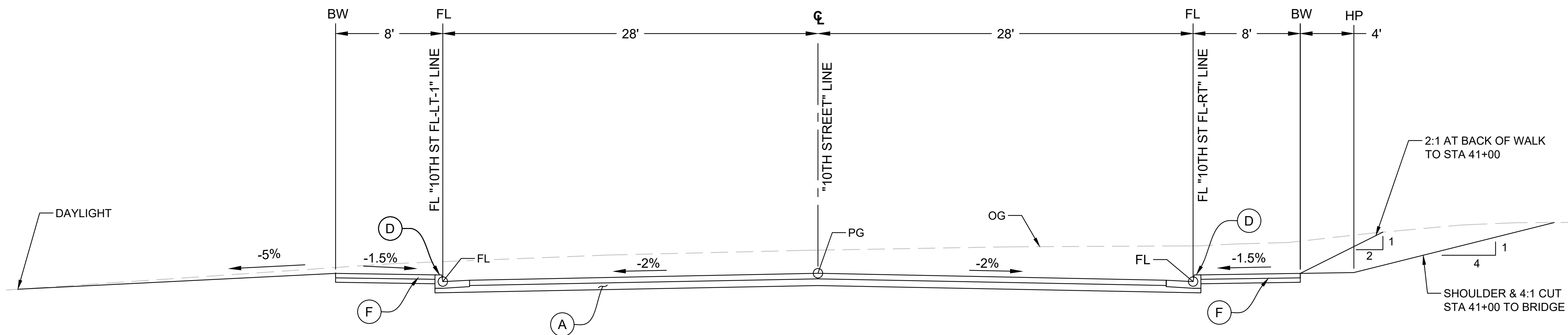
- FL - See Profile
- PG - See Profile
- FG - See Construction Details

Structural Section Keynotes Roadways:

- A. 10th St. De Anza to Bridge:
0.42' HMA (Type A)
0.5' AB (Class 2)
- A2. 10th St. Bridge to Conform & Uvas Pkwy
(Import R Value = 25 Min):
0.5' HMA (Type A)
0.83' AB (Class 2)
0.66' Lime Stabilized Sub-base
- B. Median Paving (Over Base Paving):
0.33' Stamped Concrete (Type B)
0.17' Class 4 Sub-base or rough sand
- C. Not Used
- D. Curb and Gutter:
2' wide Gutter
See City of Gilroy Standard Plans STR-12
- E. Curb (No Gutter):
Curb Type A1-6 per Caltrans Std. Plans
- F. Sidewalk:
See City of Gilroy Standard Plans STR-14 and STR-15



10TH STREET 44+98 EB TO 54+00 (ORCHARD DR.)
SCALE: 1" = 5'



10TH STREET 39+10 TO 41+83 BB
SCALE: 1" = 5'



PROJECT ENGINEER



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Santa Barbara, CA 93105

HAO	HAO	SO	GAD
Design	Drawn	Chkd	

NO.	BY	DATE	REVISIONS:

10TH ST BRIDGE AND ROADWAY IMPROVEMENT PROJECT
TYPICAL SECTIONS X-1

PREPARED FOR: CITY OF GILROY

DATE: 2/9/2021

BID NO.	SHT. DES.
DWG. NO.	
SHT. 2	of 17

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HAO	GAD
HAO	
SO	
Design Drawn Chkd	

NO.	BY	DATE	REVISIONS

10TH ST BRIDGE AND ROADWAY IMPROVEMENT PROJECT
TYPICAL SECTIONS X-2

PREPARED FOR: CITY OF GILROY

DATE: 2/9/2021

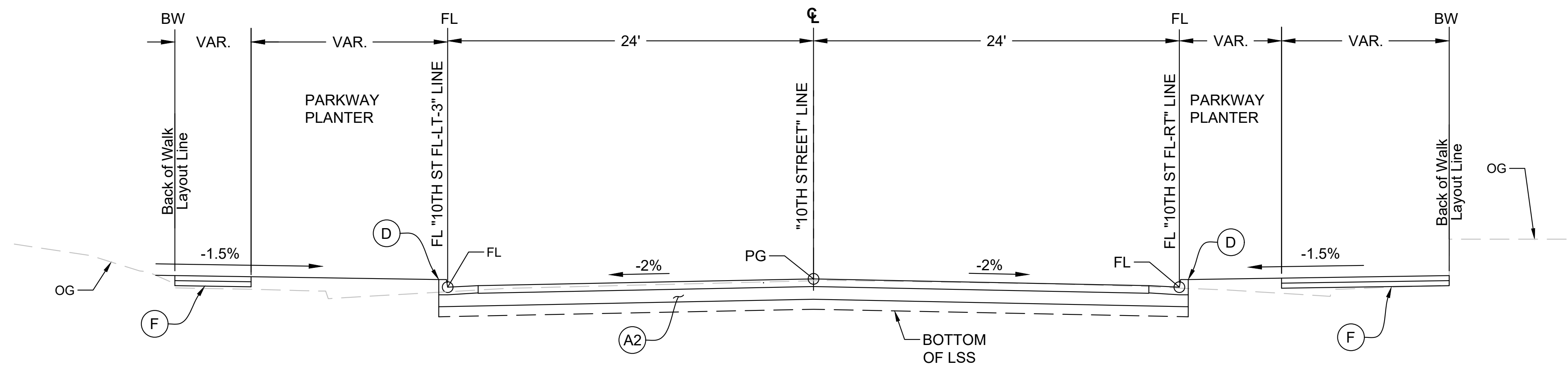
BID NO.	SHT. DES.
DWG. NO.	
SHT. 3 of 17	

Legend:

- FL - See Profile
- PG - See Profile
- FG - See Construction Details

Structural Section Keynotes Roadways:

- A. 10th St. De Anza to Bridge:
0.42' HMA (Type A)
0.5' AB (Class 2)
- A2. 10th St. Bridge to Conform & Uvas Pkwy
(Import R Value = 25 Min):
0.5' HMA (Type A)
0.83' AB (Class 2)
0.66' Lime Stabilized Sub-base
- B. Median Paving (Over Base Paving):
0.33' Stamped Concrete (Type B)
0.17' Class 4 Sub-base or rough sand
- C. Not Used
- D. Curb and Gutter:
2' wide Gutter
See City of Gilroy Standard Plans STR-12
- E. Curb (No Gutter):
Curb Type A1-6 per Caltrans Std. Plans
- F. Sidewalk:
See City of Gilroy Standard Plans STR-14 and STR-15



10TH STREET 54+00 TO 55+50
SCALE: 1" = 5'



PROJECT ENGINEER

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HAO	HAO	SO
Design	Drawn	Chkd
GAD		

NO.	BY	DATE	REVISIONS

10TH ST BRIDGE AND ROADWAY IMPROVEMENT PROJECT
TYPICAL SECTIONS X-3

PREPARED FOR: CITY OF GILROY

DATE: 2/9/2021

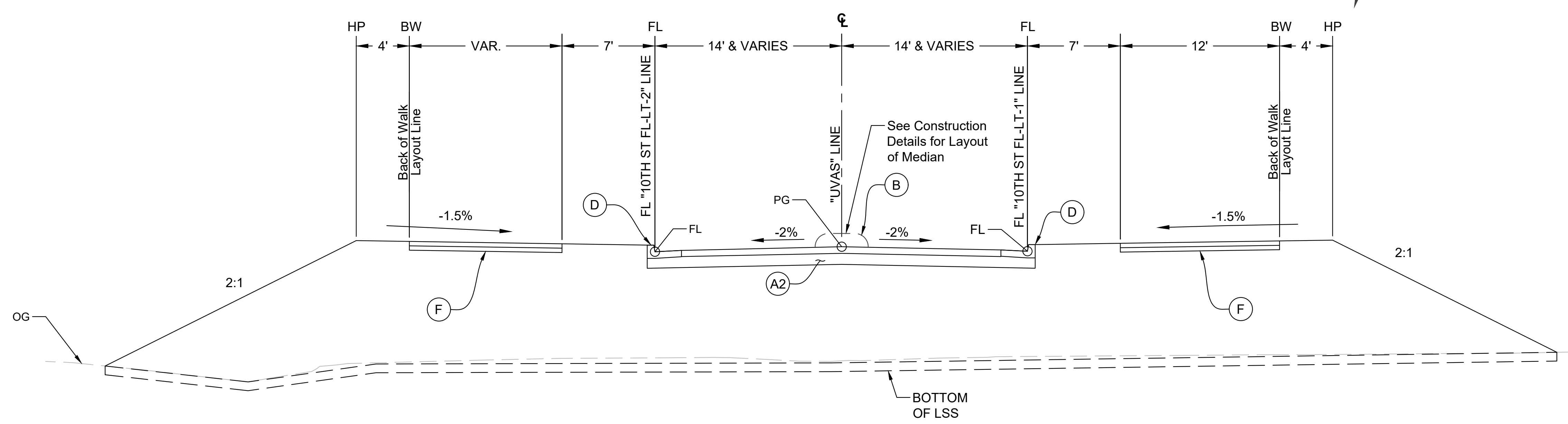
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SHT. 4	of 17

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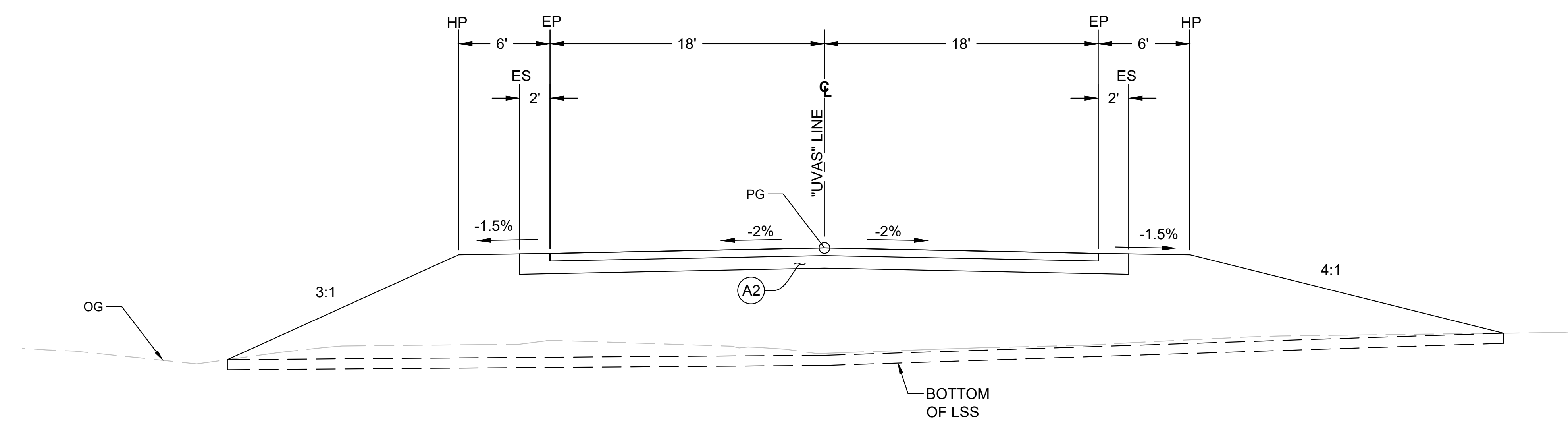
- FL - See Profile
- PG - See Profile
- FG - See Construction Details

Structural Section Keynotes Roadways:

- A. 10th St. De Anza to Bridge:
0.42' HMA (Type A)
0.5' AB (Class 2)
- A2. 10th St. Bridge to Conform & Uvas Pkwy
(Import R Value = 25 Min):
0.5' HMA (Type A)
0.83' AB (Class 2)
0.66' Lime Stabilized Sub-base
- B. Median Paving (Over Base Paving):
0.33' Stamped Concrete (Type B)
0.17' Class 4 Sub-base or rough sand
- C. Not Used
- D. Curb and Gutter:
2' wide Gutter
See City of Gilroy Standard Plans STR-12
- E. Curb (No Gutter):
Curb Type A1-6 per Caltrans Std. Plans
- F. Sidewalk:
See City of Gilroy Standard Plans STR-14 and STR-15
- G. Roundabout Truck Apron:
1.0' Concrete (color & surface texture to be determined)
Reinforcing Steel = #6 @ 24" both ways at mid height
1.0' AB (Class 2)
- H. Roundabout Median Curb:
Curb Type A1-6 per Caltrans Std. plans
- I. Roundabout Truck Apron Curb:
Curb Type D-6 per Caltrans Std. plans
- J. Cold plane and Overlay:
0.15' min.



UVAS PKWY 27+34.15 TO ROUNDABOUT
SCALE: 1" = 5'



UVAS PKWY 22+00 TO 27+34.15
SCALE: 1" = 5'



PROJECT ENGINEER

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

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Santa Barbara, CA 93105

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Design	Drawn	Chkd
GAD		

NO.	BY	DATE	REVISIONS

10TH ST BRIDGE AND ROADWAY IMPROVEMENT PROJECT
TYPICAL SECTIONS X-4

PREPARED FOR: CITY OF GILROY

DATE: 2/9/2021

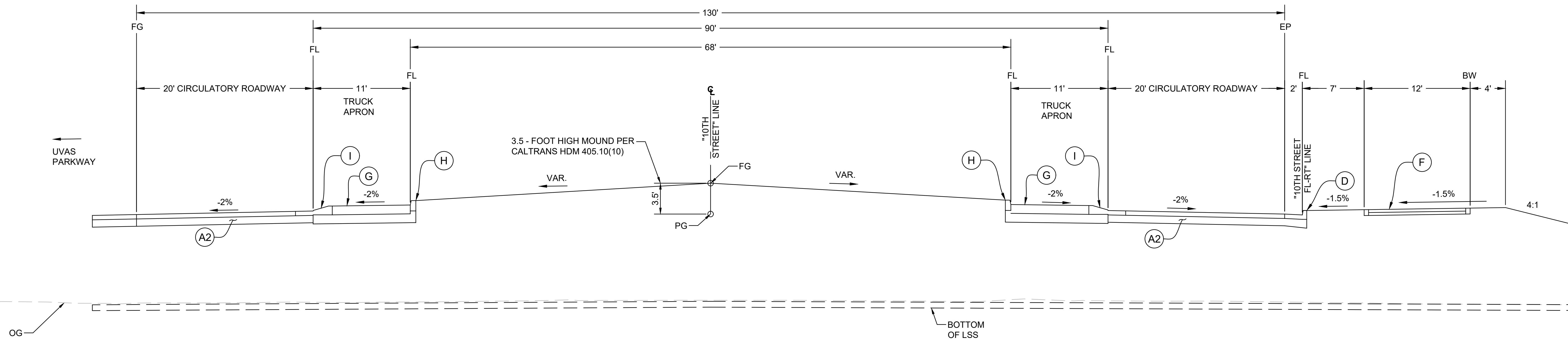
BID NO.	SHT. DES.
DWG. NO.	
SHT. 5 of 17	

Legend:

- FL - See Profile
- PG - See Profile
- FG - See Construction Details

Structural Section Keynotes Roadways:

- A. 10th St. De Anza to Bridge:
0.42' HMA (Type A)
0.5' AB (Class 2)
- A2. 10th St. Bridge to Conform & Uvas Pkwy
(Import R Value = 25 Min):
0.5' HMA (Type A)
0.83' AB (Class 2)
0.66' Lime Stabilized Sub-base
- B. Median Paving (Over Base Paving):
0.33' Stamped Concrete (Type B)
0.17' Class 4 Sub-base or rough sand
- C. Not Used
- D. Curb and Gutter:
2' wide Gutter
See City of Gilroy Standard Plans STR-12
- E. Curb (No Gutter):
Curb Type A1-6 per Caltrans Std. Plans
- F. Sidewalk:
See City of Gilroy Standard Plans STR-14 and STR-15
- G. Roundabout Truck Apron:
1.0' Concrete (color & surface texture to be determined)
Reinforcing Steel = #6 @ 24" both ways at mid height
1.0' AB (Class 2)
- H. Roundabout Median Curb:
Curb Type A1-6 per Caltrans Std. plans
- I. Roundabout Truck Apron Curb:
Curb Type D-6 per Caltrans Std. plans



TYPICAL ROUNDABOUT
SCALE: 1" = 5'



PROJECT ENGINEER

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

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Design	HAO
Drawn	HAO
Chkd	SO
GAD	

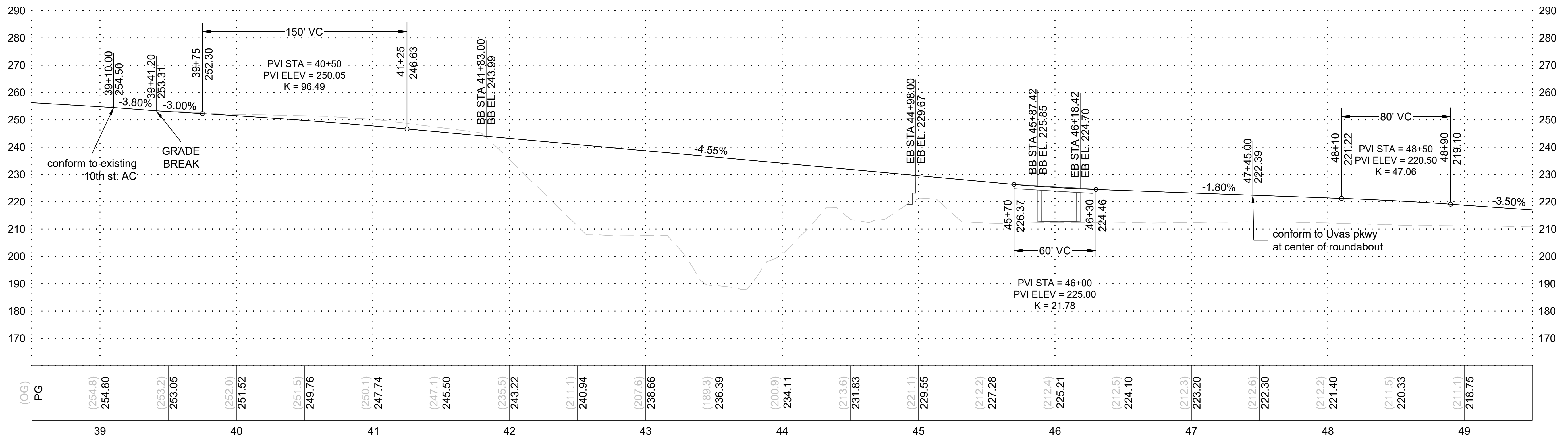
NO.	BY	DATE	REVISIONS:

10TH ST BRIDGE AND ROADWAY IMPROVEMENT PROJECT
PLAN & PROFILE 1

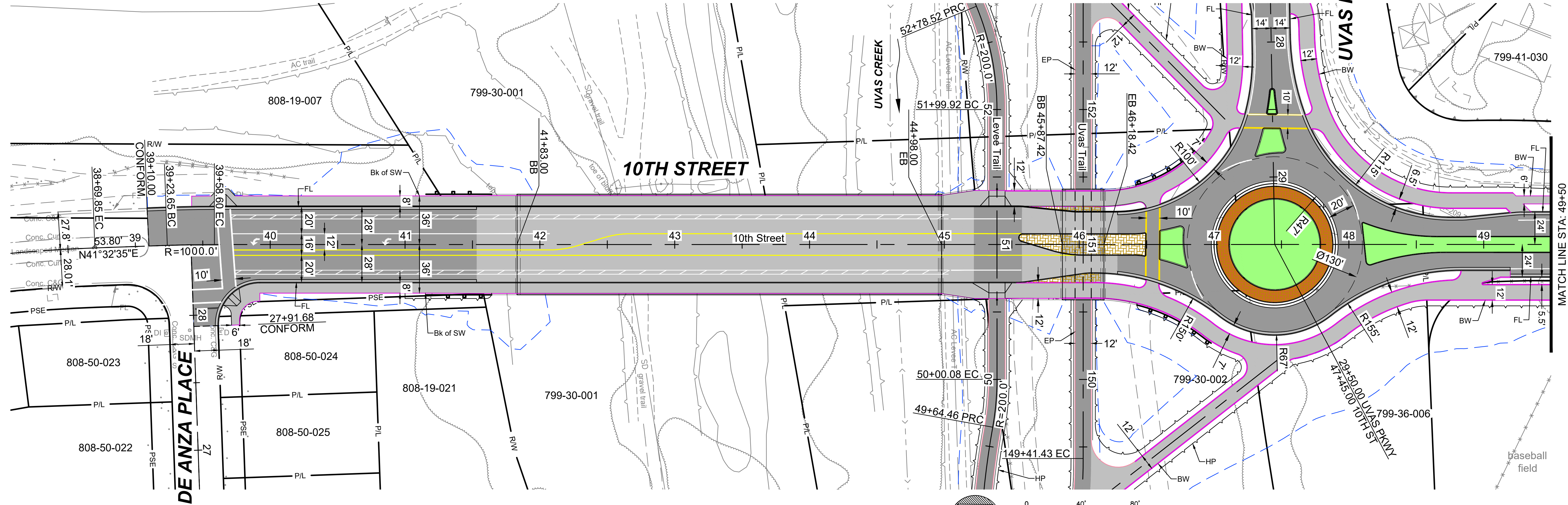
DATE: 2/9/2021
PREPARED FOR: CITY OF GILROY

BID NO.	SHT. DES.
DWG. NO.	
SHT. 7 of 17	

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2
CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.
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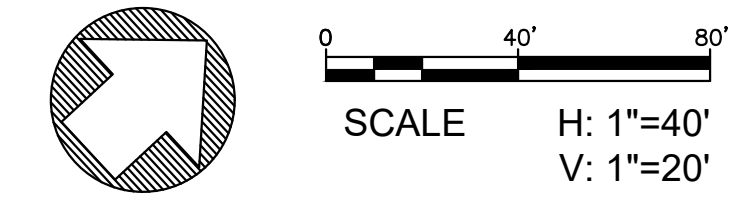
10TH STREET PROFILE

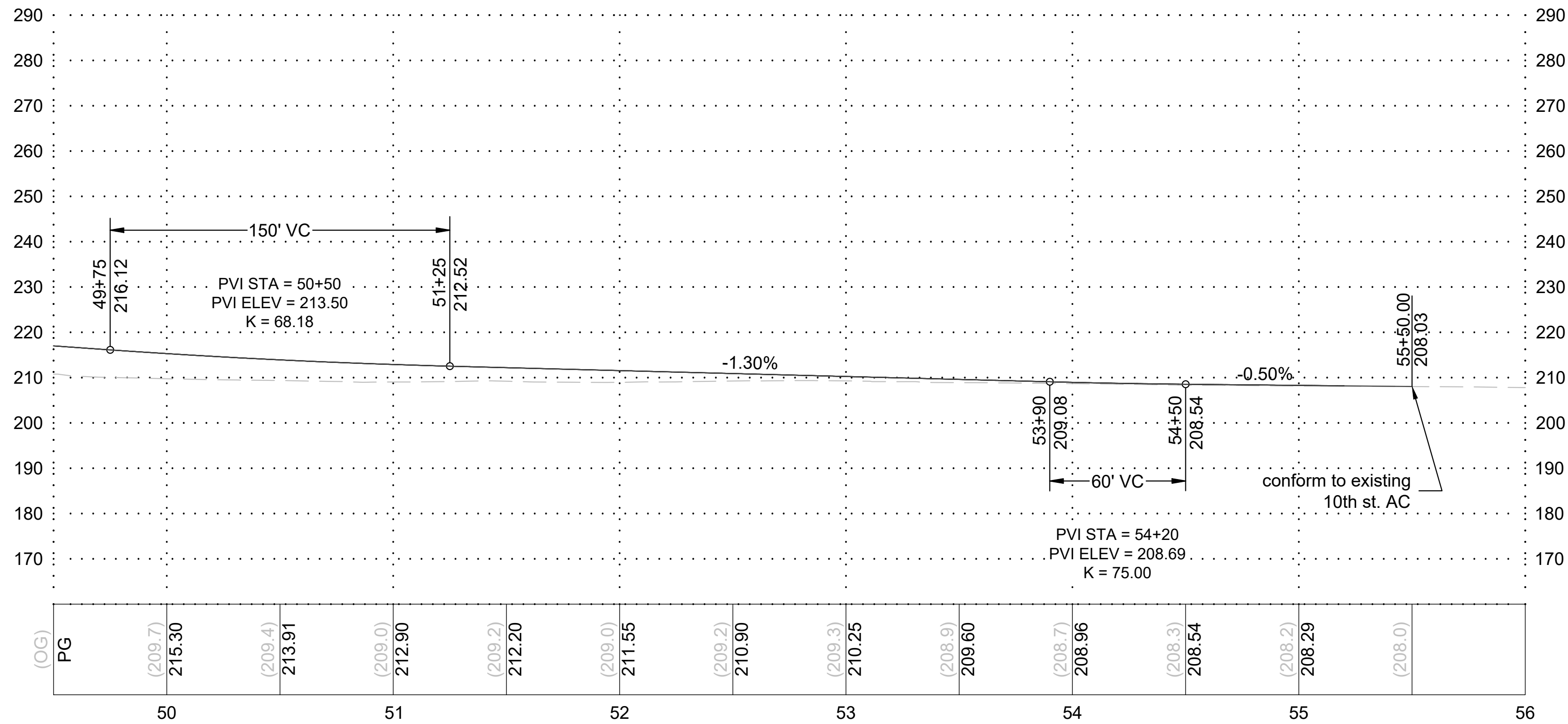


10TH STREET PLAN

LEGEND

TOP OF SLOPE	
EDGE OF PAVEMENT	
BACK OF SIDEWALK	
DAYLIGHT	

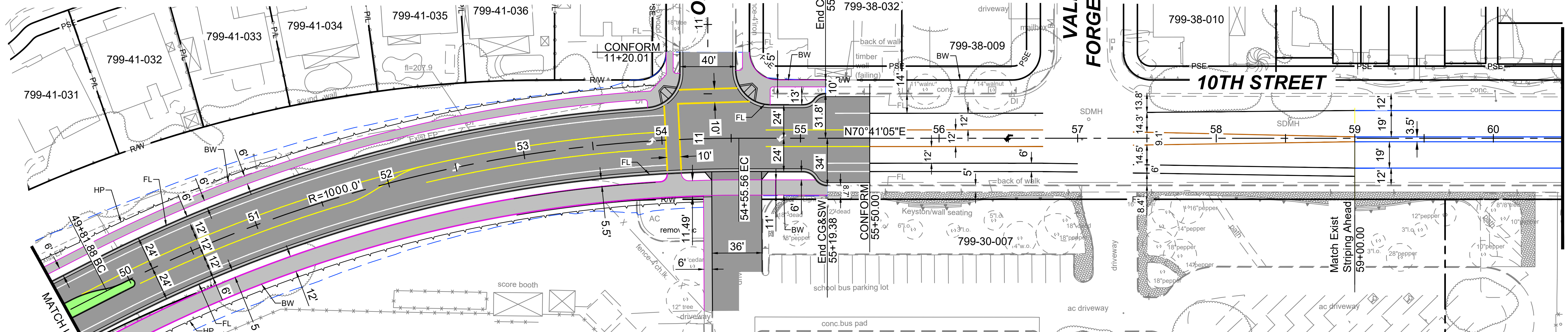
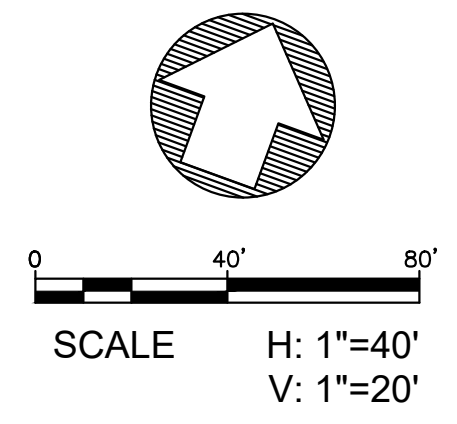




10TH STREET PROFILE

STRIPING LEGEND

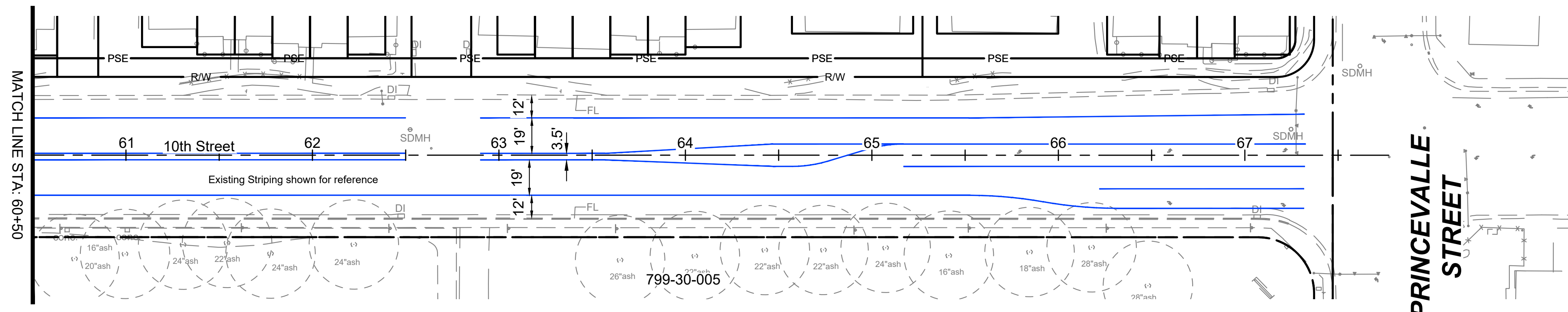
Existing Striping; unchanged by project



10TH STREET PLAN

LEGEND

- TOP OF SLOPE
- EDGE OF PAVEMENT
- BACK OF SIDEWALK
- DAYLIGHT



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360 S. Hope Ave, Suite C-110
Santa Barbara, CA 93105

NO.	BY	DATE	REVISIONS

DESIGN: HAO
DRAWN: HAO
CHKD: SO
GAD

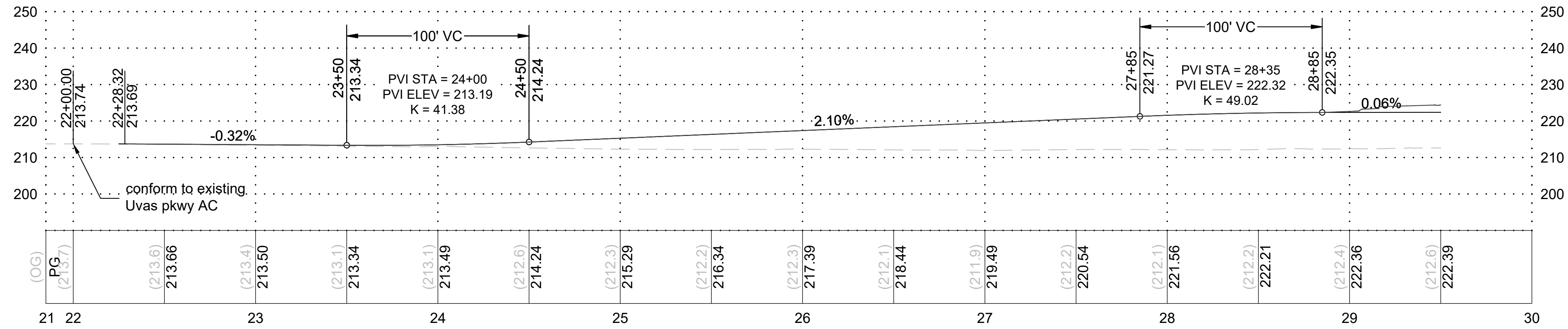
DATE: 2/9/2021

PREPARED FOR: CITY OF GILROY

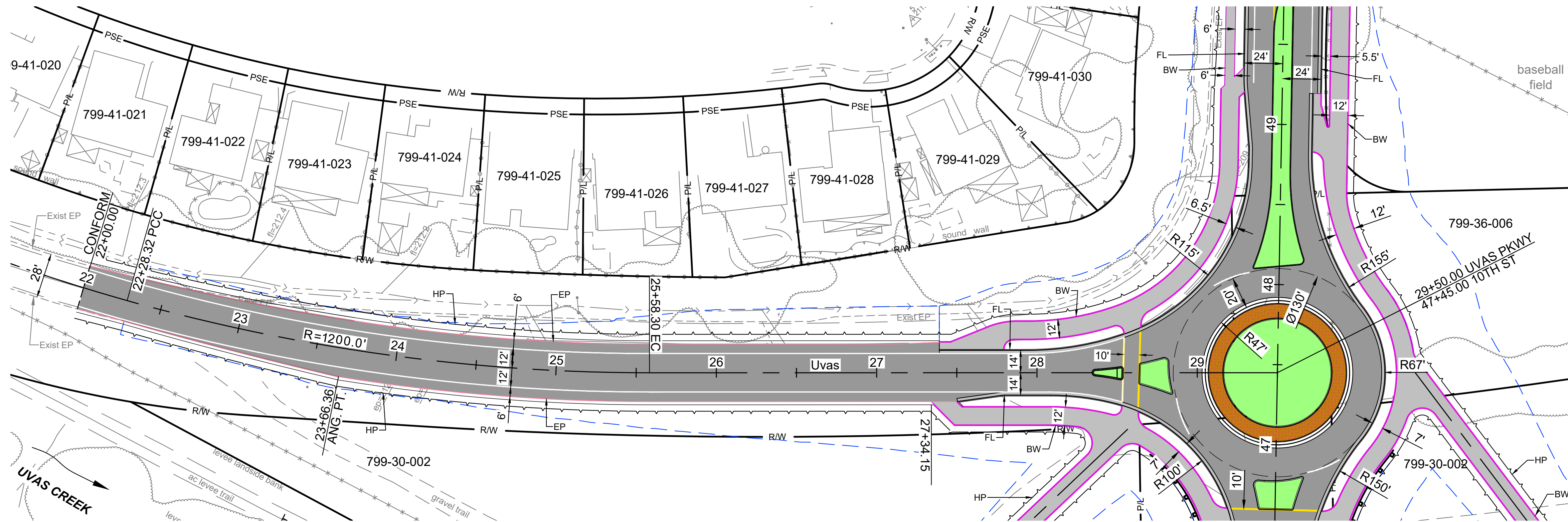
10TH ST BRIDGE AND ROADWAY IMPROVEMENT PROJECT
PLAN & PROFILE 2

BID NO.	SHT. DES.
DWG. NO.	
SHT. 8 of 17	

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES
 CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.
 1:\pda\0_active projects\gilroy - 10th st bridge detailed design\production drawings\gad - plan & profile.dwg PLOTTED: 2/9/2021 BY: Henry Osegueda



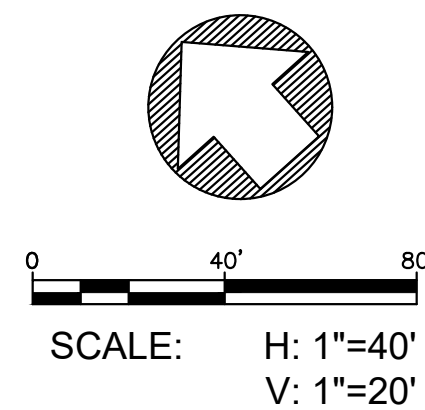
UVAS PKWY PROFILE



UVAS PKWY PLAN

LEGEND

- TOP OF SLOPE
- EDGE OF PAVEMENT
- BACK OF SIDEWALK
- DAYLIGHT



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Design	HAO	GAD
Drawn	HAO	
Chkd	SO	

NO.	BY	DATE	REVISIONS

10TH ST BRIDGE AND ROADWAY IMPROVEMENT PROJECT
PLAN & PROFILE 3

PREPARED FOR: CITY OF GILROY

DATE: 2/9/2021

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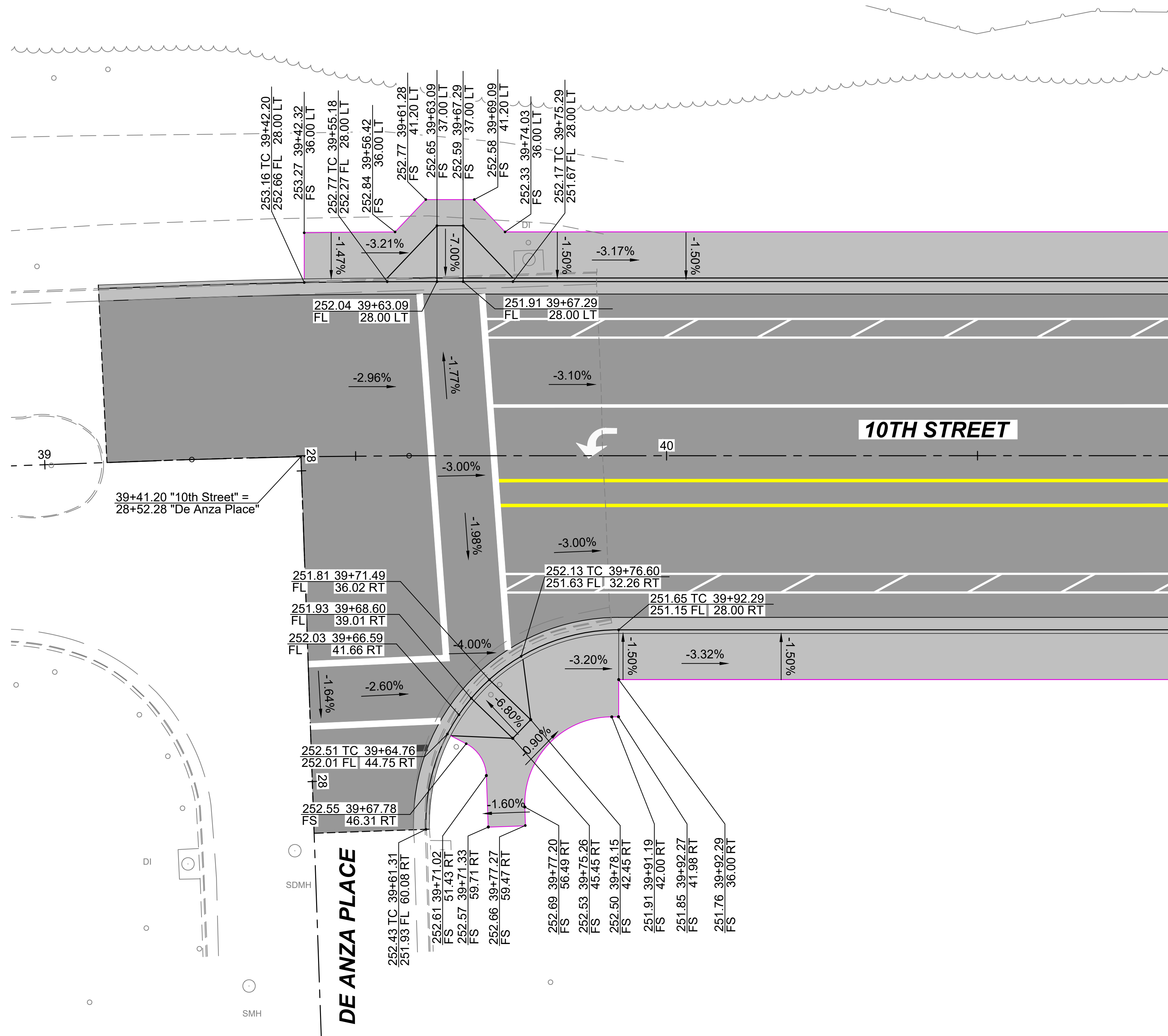
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BID NO.	SHT. DES.
DWG. NO.	
SHT. 9 of 17	

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES

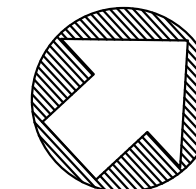
The ADA compliance drawings were updated as directed in the GAD meeting. The plans shown here are the progress plans as of today 6/9/21

Note the chief change was that the driveway at High School was altered as directed.



LEGEND

- TOP OF SLOPE
- EP - EDGE OF PAVEMENT
- BW - BACK OF SIDEWALK
- DL - DAYLIGHT



0 10' 20'
SCALE H: 1"=10'



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HAO	DESIGN	DATE: 6/9/2021
CHKD	PRINTS	

NO.	BY	DATE	REVISIONS:



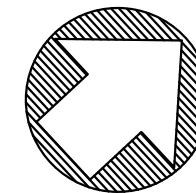
10TH ST BRIDGE AND ROADWAY IMPROVEMENT PROJECT
CONSTRUCTION DETAIL 1

CAUTION - The engineer preparing these plans will not be responsible for or liable for, unauthorized changes or use of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

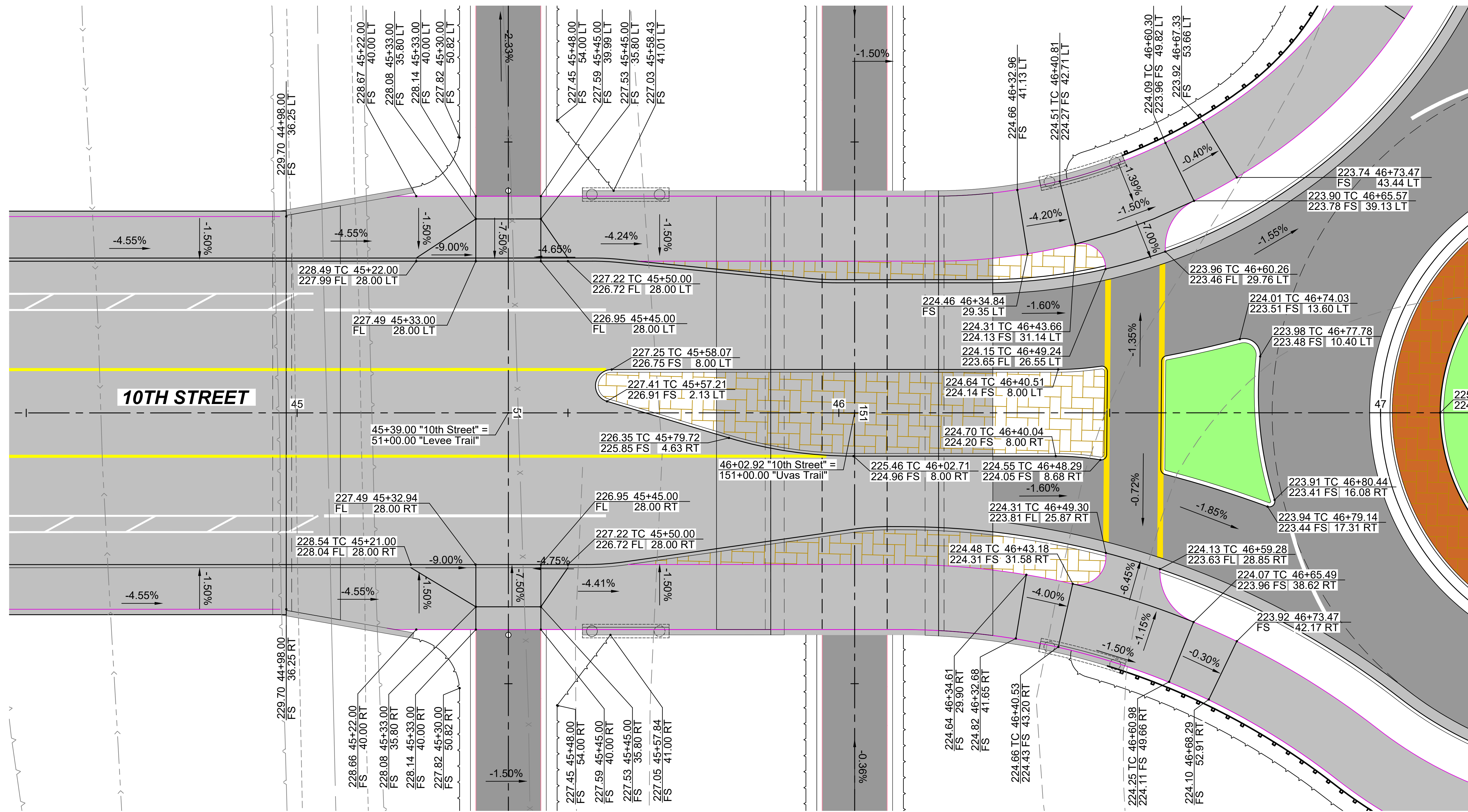
BID NO.	SHT. DES.
DWG. NO.	
SHT. 1 of XX	

LEGEND

- TOP OF SLOPE
- EP - EDGE OF PAVEMENT
- BW - BACK OF SIDEWALK
- DL - DAYLIGHT



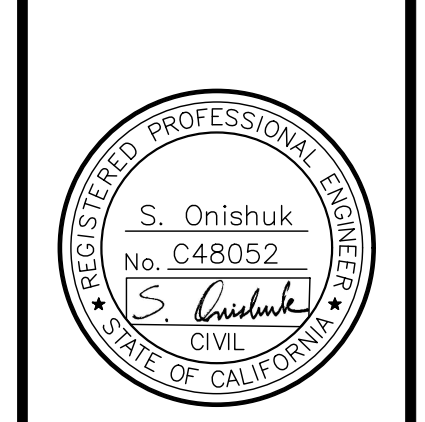
0 10' 20'
SCALE H: 1"=10'



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HAO	DESIGN	DATE: 6/19/2021
Drawn	CHKD	
PROGRESS PRINTS		

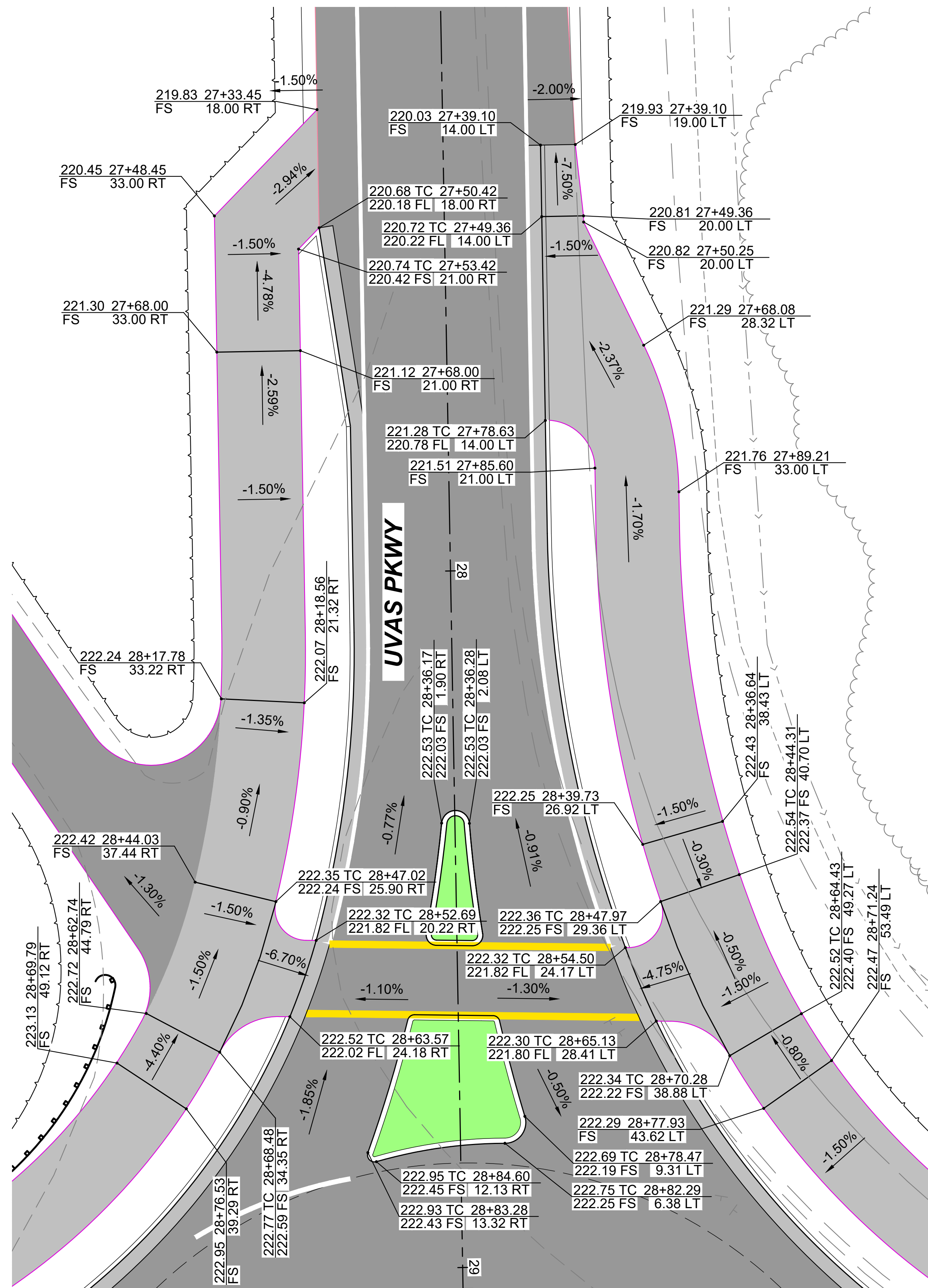
NO.	BY	DATE	REVISIONS:



10TH ST BRIDGE AND ROADWAY IMPROVEMENT PROJECT
CONSTRUCTION DETAIL 2

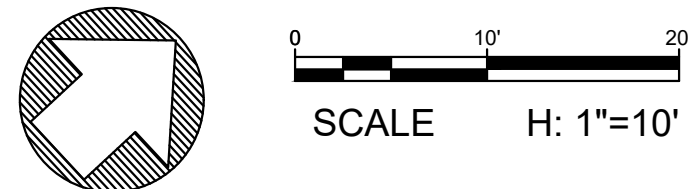
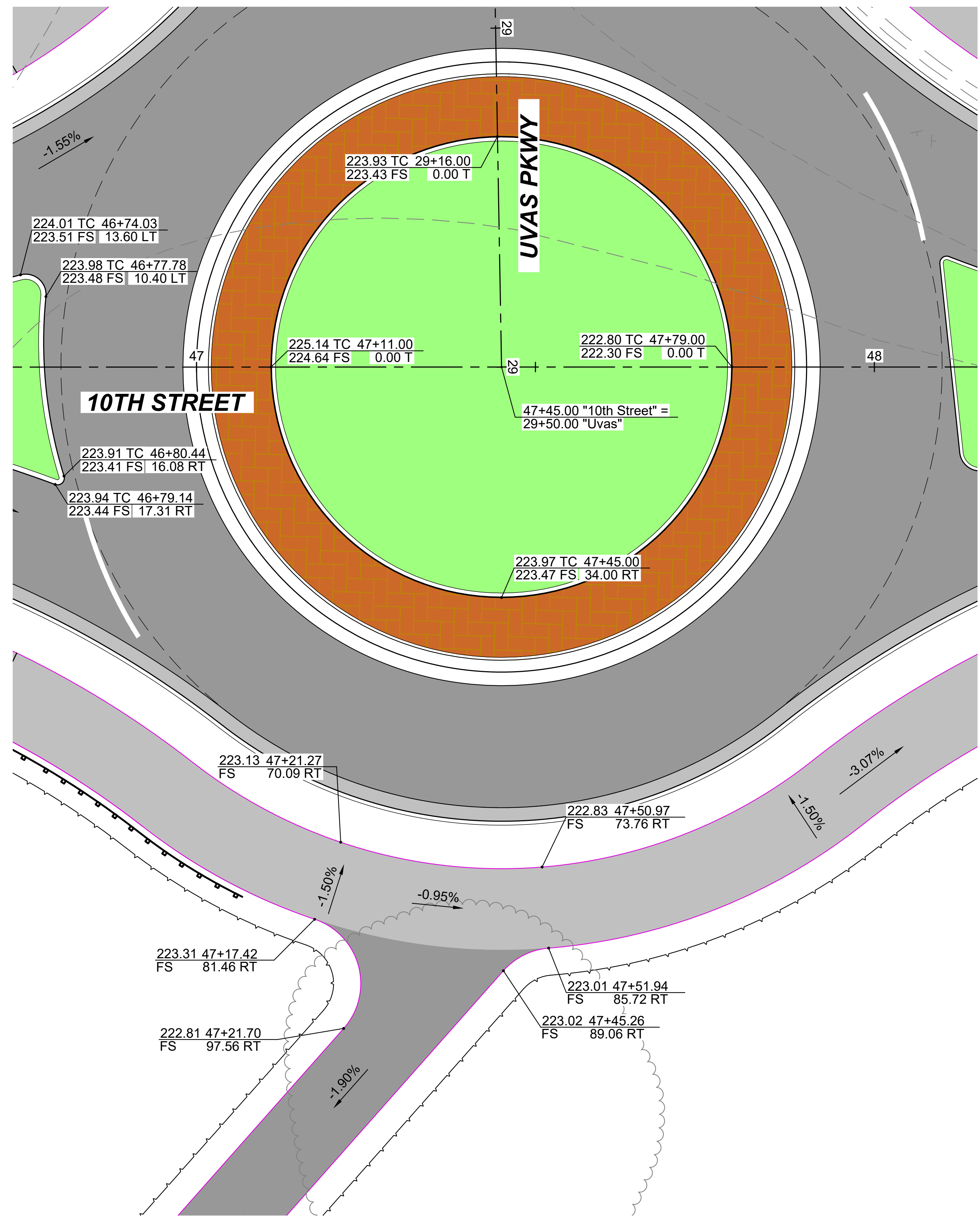
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BID NO.	SHT. DES.
DWG. NO.	
SHT.	2 of XX



LEGEND

TOP OF SLOPE	
EP - EDGE OF PAVEMENT	
BW - BACK OF SIDEWALK	
DL - DAYLIGHT	



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HAO	SO	DESIGN Drawn	CHK'd	DATE: 6/9/2021
HAO	SO			

NO.	BY	DATE	REVISIONS

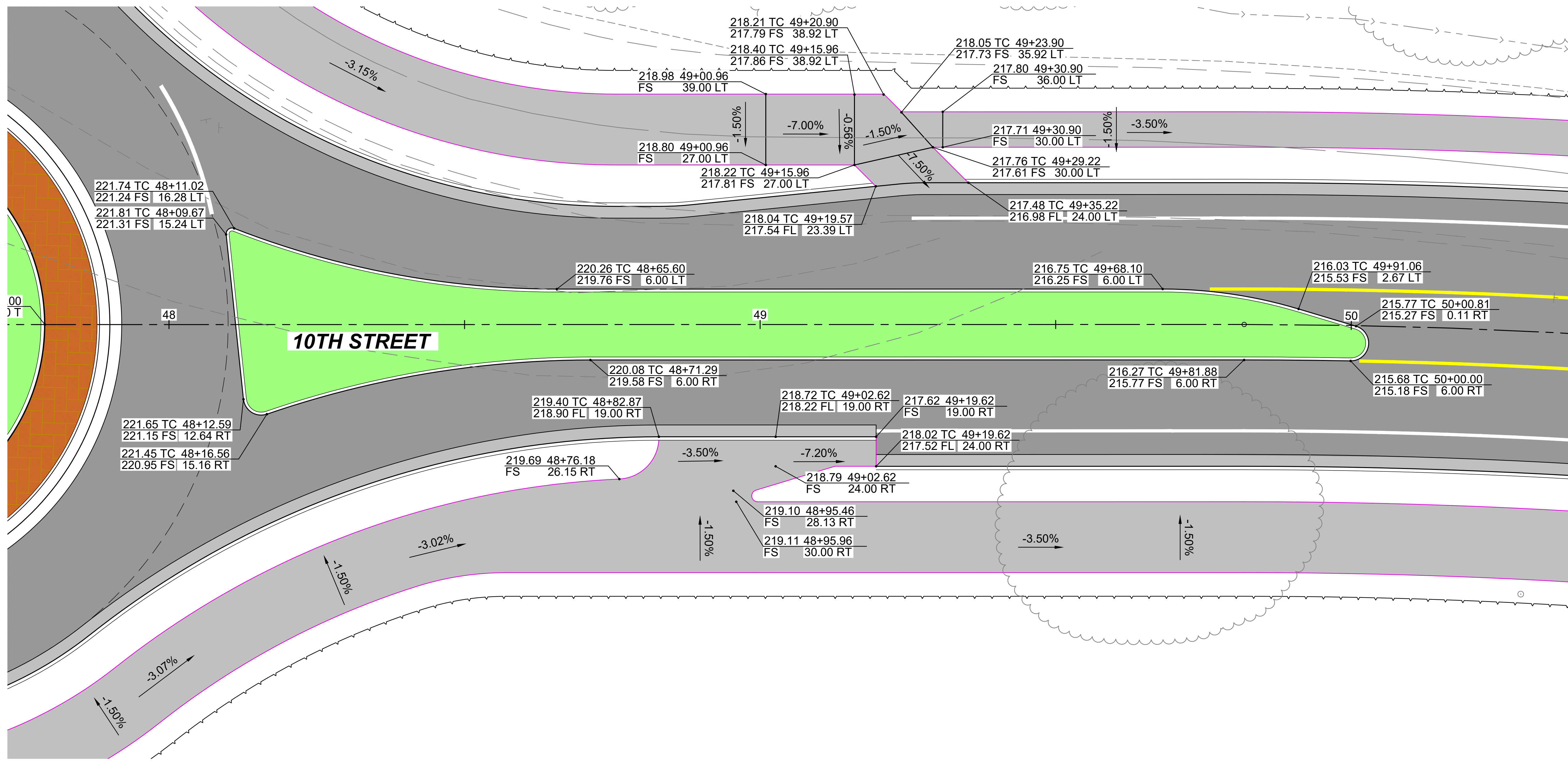


**10TH ST BRIDGE AND ROADWAY
IMPROVEMENT PROJECT
CONSTRUCTION DETAIL 3**

CAUTION: The engineer preparing these plans will not be responsible for or liable for, unauthorized changes to or omissions from these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

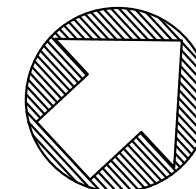
BID NO.	SHT. DES.
DWG. NO.	
SHT.	3 of XX

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES
PREPARED FOR: CITY OF GILROY
P:\bengal\gilroy - 10th st bridge detailed design - documents\cad\production drawings\construction details [10th st].dwg PLOTTED: 6/9/2021 BY: Henry Osegueda



LEGEND

- TOP OF SLOPE
- EP - EDGE OF PAVEMENT
- BW - BACK OF SIDEWALK
- DL - DAYLIGHT



SCALE H: 1"=10'



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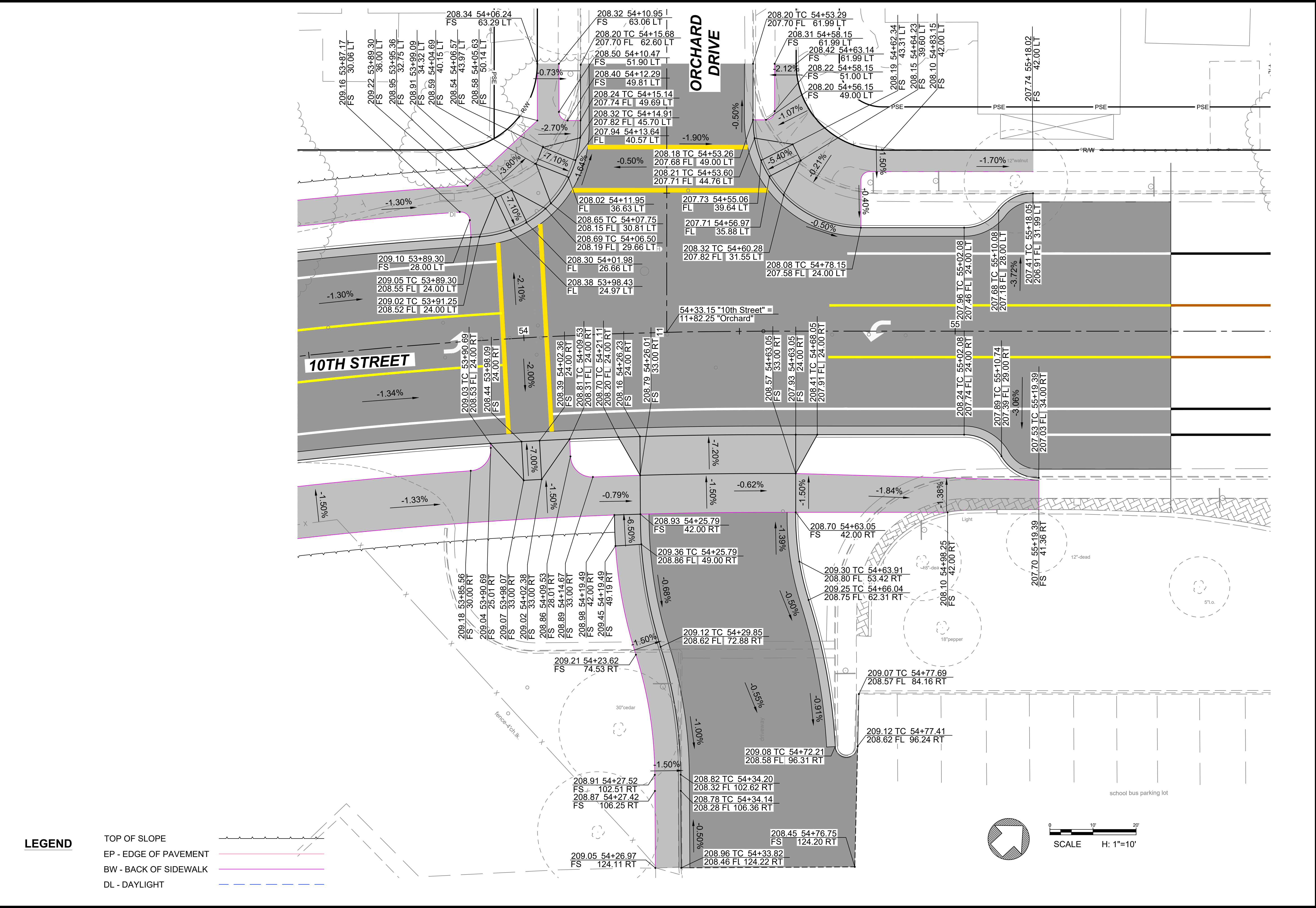
HAO	HAO	SO	PROGRESS PRINTS	DATE: 6/9/2021
Design	Drawn	Chkd		
NO.	BY	DATE	REVISIONS:	PREPARED FOR: CITY OF GILROY



**10TH ST BRIDGE AND ROADWAY IMPROVEMENT PROJECT
CONSTRUCTION DETAIL 4**

CAUTION: The engineer preparing these plans will not be responsible for or liable for, unauthorized changes or use of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

BID NO.	SHT. DES.
DWG. NO.	SHT. 4 of XX



LEGEND

- TOP OF SLOPE
- EP - EDGE OF PAVEMENT
- BW - BACK OF SIDEWALK
- DL - DAYLIGHT



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HAO	DESIGN	DATE: 6/9/2021
Drawn	CHKD	
PROGRESS PRINTS		

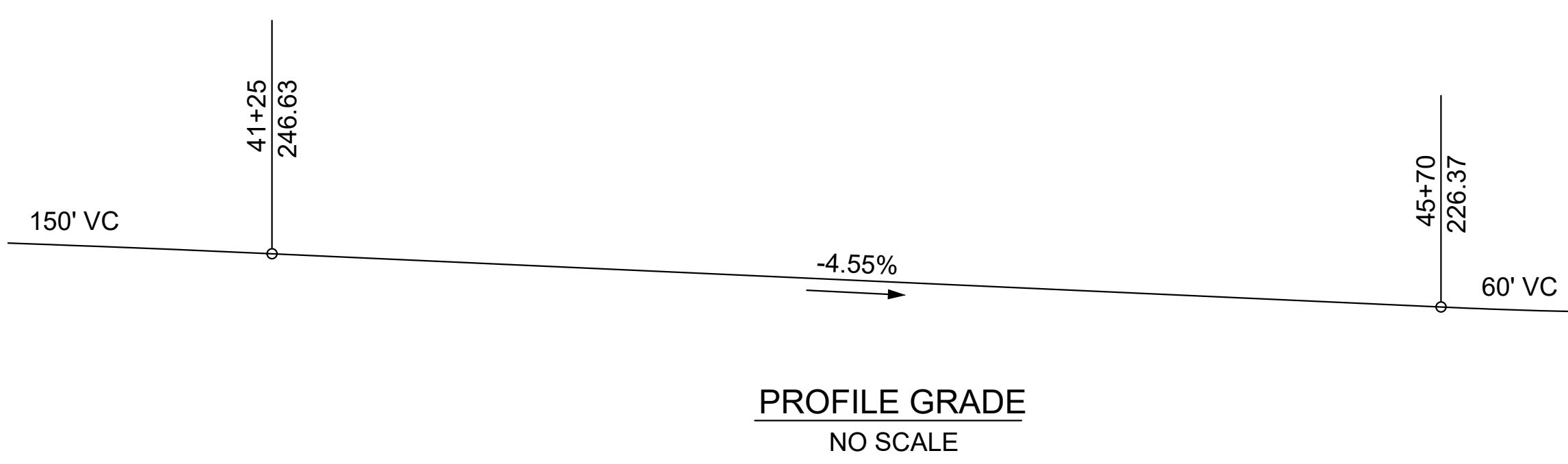
NO.	BY	DATE	REVISIONS:



10TH ST BRIDGE AND ROADWAY IMPROVEMENT PROJECT
CONSTRUCTION DETAIL 5

CAUTION: The engineer preparing these plans will not be responsible for or liable for, unauthorized changes to or use of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

BID NO.	SHT. DES.
DWG. NO.	
SHT. 5	of XX



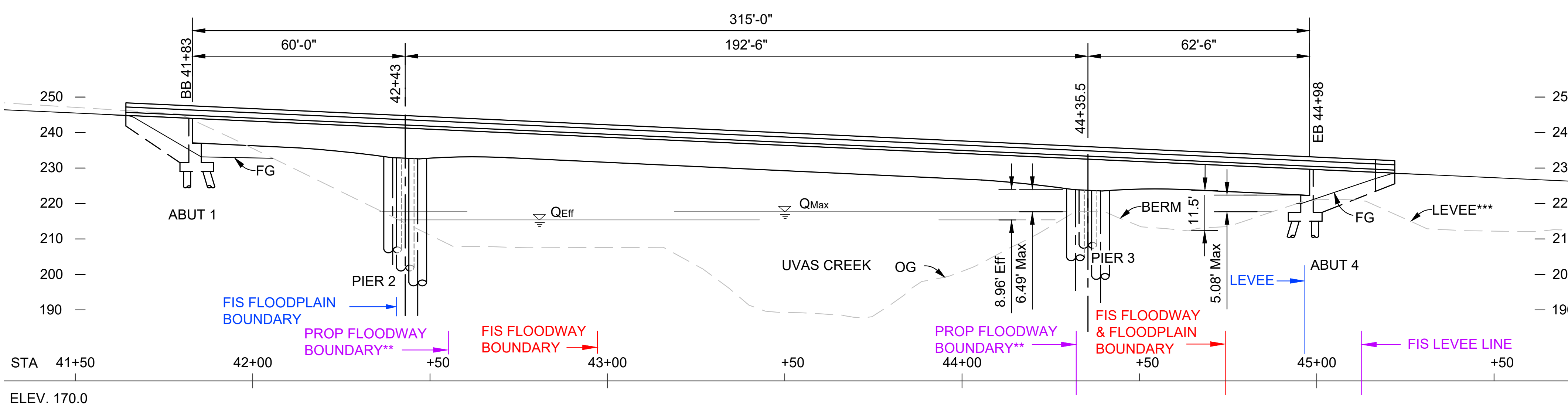
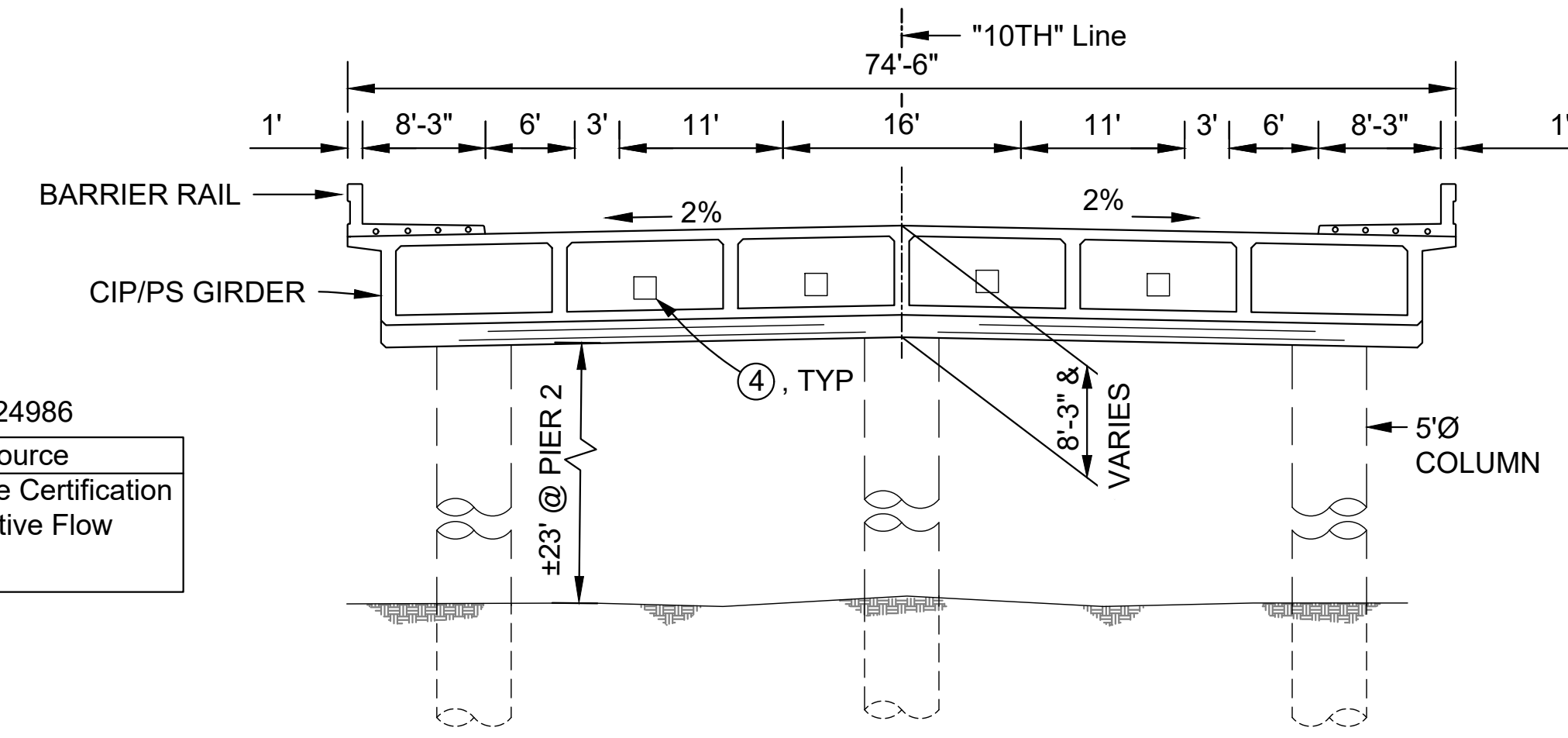
Notes

- ① Cast "Br. No. TBD" and year completed
- ② Cast "10TH STREET BRIDGE"
- ③ Structure Approach Slab
- ④ Utility Opening

Legend:

Flow	Flow Elev.	Data Source
Q _{MAX} = 18,500 cfs	217.15 ft	USCE Levee Certification
Q _{EFF} = 14,000 cfs	214.84 ft	FEMA Effective Flow
Q _{SCVWD} = 18,000 cfs	217.13 ft	SCVWD

- ** = FEMA CLOMR/LOMR REQUIRED
- *** = LEVEE RECTIFICATION REQUIRED

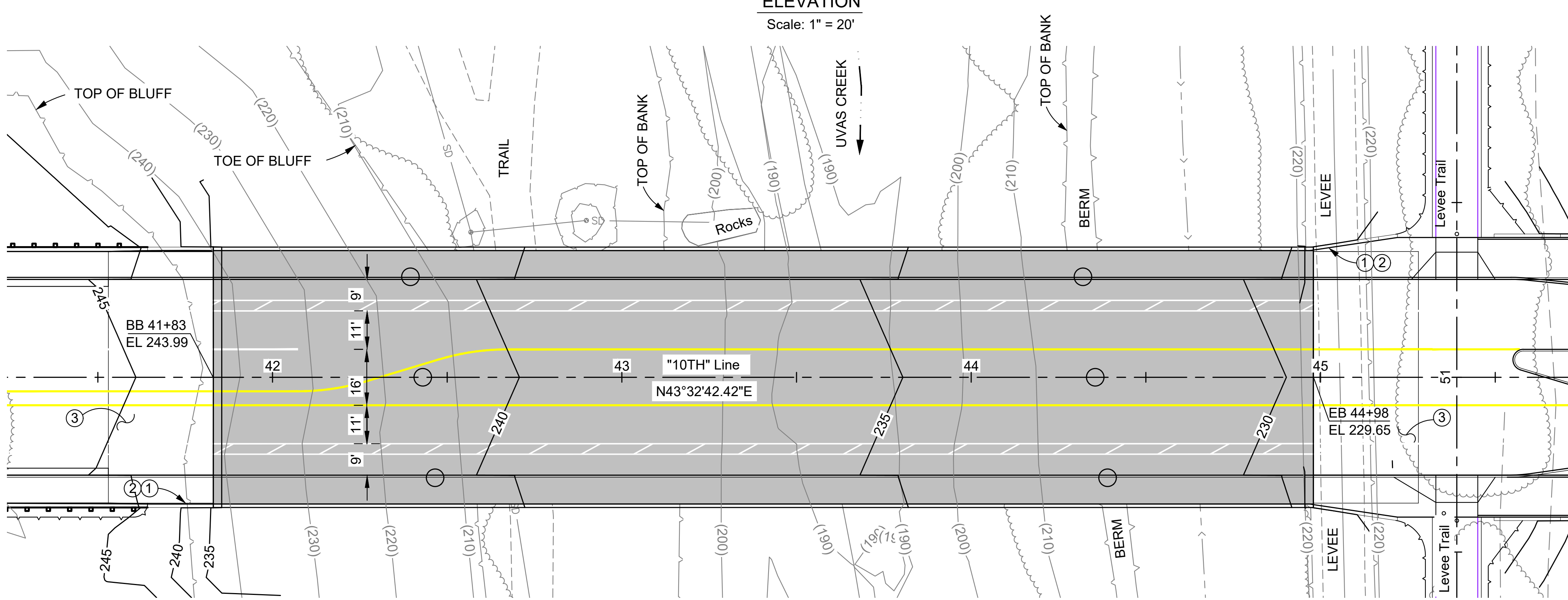


STANDARD PLANS, 2018

A3A-C	ABBREVIATIONS
A62A	EXCAVATION AND BACKFILL - MISCELLANEOUS DETAILS
A62B-C	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL-BRIDGE
RSP B0-1	BRIDGE DETAILS
B0-3	BRIDGE DETAILS
B0-5	BRIDGE DETAILS
B0-13	BRIDGE DETAILS
B2-3	16" AND 24" CAST-IN-DRILLED-HOLE CONCRETE PILE
B3-1A	RETAINING WALL TYPE 1 - H = 4' THROUGH 30'
B3-7A	RETAINING WALL TYPE 6 DETAILS No. 1- 6'-0" MAXIMUM
B3-7B	RETAINING WALL TYPE 6 DETAILS No. 2 - 6'-0" MAXIMUM
B7-1	BOX GIRDER RETAILS
B7-6	DECK DRAINS - TYPES D-1 AND D-2
RSP B7-8	DECK DRAINAGE DETAILS
RSP B7-10	UTILITY OPENING
B8-5	CAST-IN-PLACE POST-TENSIONED GIRDER DETAILS
RSP B11-47	CABLE RAILING
B11-55	CONCRETE BARRIER TYPE 732 ((CANCELED))
B14-5	WATER SUPPLY LINE (DETAILS) (PIPE SIZES LESS THAN 4")

INDEX TO BRIDGE PLANS

SHEET No.	TITLE
B1	GENERAL PLAN
B2	DECK CONTOURS
B3	FOUNDATION PLAN
B4	ABUTMENT 1 LAYOUT
B5	ABUTMENT 4 LAYOUT
B6	ABUTMENT FOOTING LAYOUT
B7	ABUTMENT DETAILS No. 1
B8	ABUTMENT DETAILS No. 2
B9	ABUTMENT DETAILS No. 3
B10	PIER LAYOUT
B11	BENT DETAILS
B12	TYPICAL SECTION
B13	GIRDER LAYOUT
B14	GIRDER REINFORCEMENT
B15	MISCELLANEOUS DETAILS
B16	BARRIER RAIL ARCH. DETAILS
B17	MISC. BARRIER RAIL DETAILS
B19	STRUCTURE APPROACH TYPE N(30S)
B20	STRUCTURE APPROACH DRAINAGE DETAILS
B21	JOINT ASSEMBLY (MAX MOVEMENT RATING = 4")
B22	LOG OF TEST BORINGS No. 1
B23	LOG OF TEST BORINGS No. 2



Bengal Engineering
360 S. Hope Ave, Suite C-110
Santa Barbara, CA 93105

Design Drawn: HAO
Checked: SO
GAD

DATE: 2/9/2021
PREPARED FOR: CITY OF GILROY

10TH ST BRIDGE AND ROADWAY IMPROVEMENT PROJECT
BRIDGE UVAS GENERAL PLAN

BID NO. SHT. DES.
DWG. NO.
SHT. 14 of 17

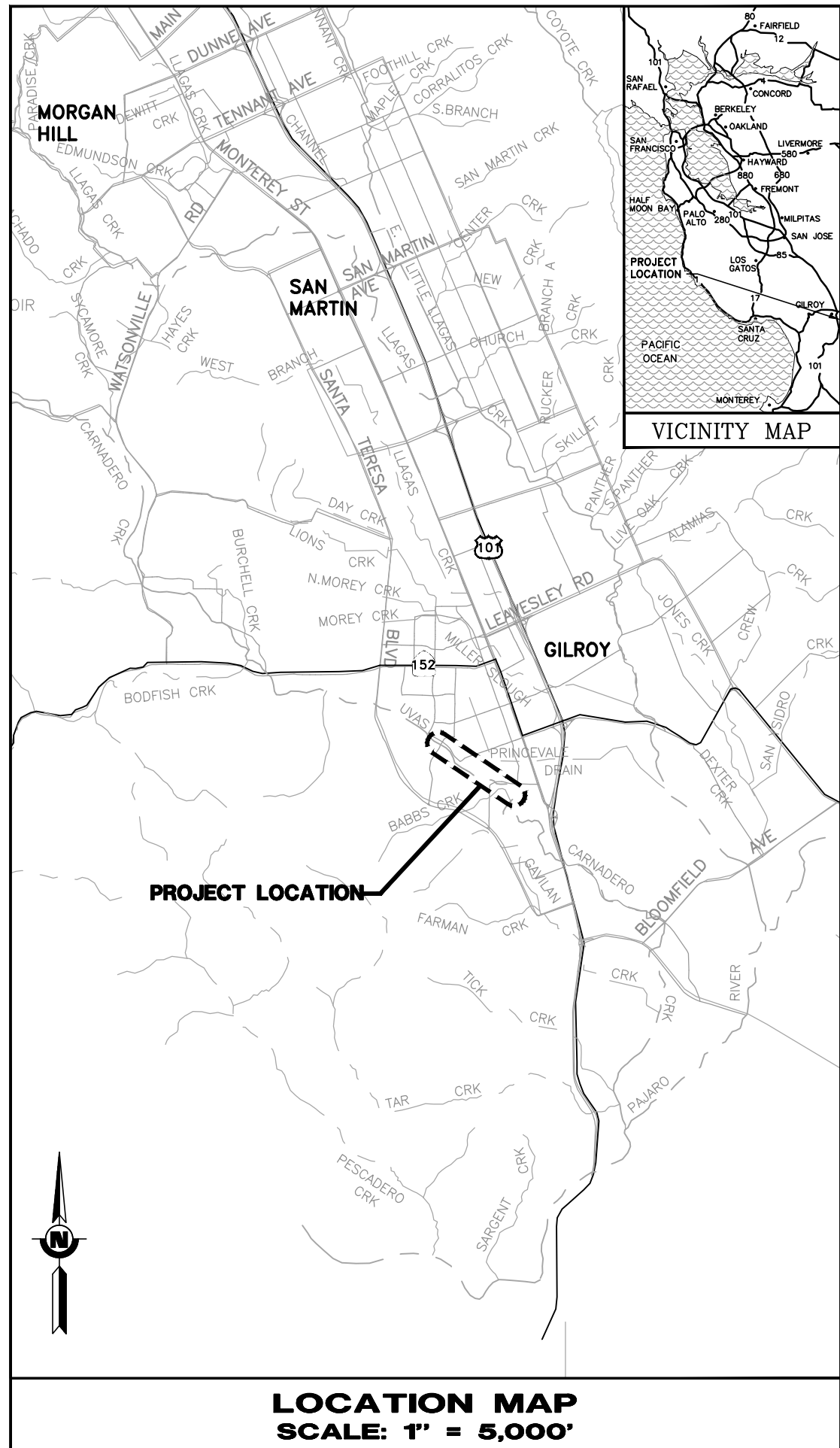
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F:\pdata\0_active projects\gilroy - 10th st bridge detailed design\production drawings\bridge\uvas-10th st\dwg PLOTTED, 2/9/2021 BY: Henry Osegueda

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES

ATTACHMENT F – MAP AND CONSTRUCTION PLAN FOR WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2 (VALLEY WATER)

USERNAME: JENNIFORD 12/5/2019 12:29 PM
FILENAME: K:\Record As-Built\MP-62084001\Uvas Creek Levee Rehab Phase 2\SHEETS\G-01.dwg

DOCUMENT NUMBER: UVC_UL-G-5018-63947



MAP AND CONSTRUCTION PLAN

FOR

WATERSHED ASSET REHABILITATION PROGRAM (WARP)

UVAS CREEK LEVEE REHABILITATION

PROJECT PHASE 2

MILLER AVENUE TO END OF LEVEE

GILROY, CALIFORNIA



APPROVED BY:

SEE ORIGINAL "AS-BID"
DOCUMENT FOR
SIGNATURE AND DATE

VENKATESAN NARASIMHALU, PE, PLS
CAPITAL ENGINEERING MANAGER
WATERSHED DESIGN AND CONSTRUCTION UNIT 5
SANTA CLARA VALLEY WATER DISTRICT



AS-BUILT
CONSTRUCTION INSPECTOR
SIGN: *Ted Ibarra* DATE: 12/5/19
NAME: TED IBARRA

ACCEPTED BY:

SEE ORIGINAL "AS-BID"
DOCUMENT FOR
SIGNATURE AND DATE

NGOC NGUYEN, PE
DEPUTY OPERATING OFFICER
WATERSHED DESIGN AND CONSTRUCTION DIVISION
SANTA CLARA VALLEY WATER DISTRICT

THESE AS-BUILTS PLANS, ARE PROVIDED BY
CONSULTANT'S/CONTRACTOR'S, DEPICT THE CONSTRUCTED
CONDITIONS BASED UPON FIELD OBSERVATIONS BY THE
CONSULTANT'S/CONTRACTOR'S CONSTRUCTION MANAGER OR
HIS/HER AGENTS.

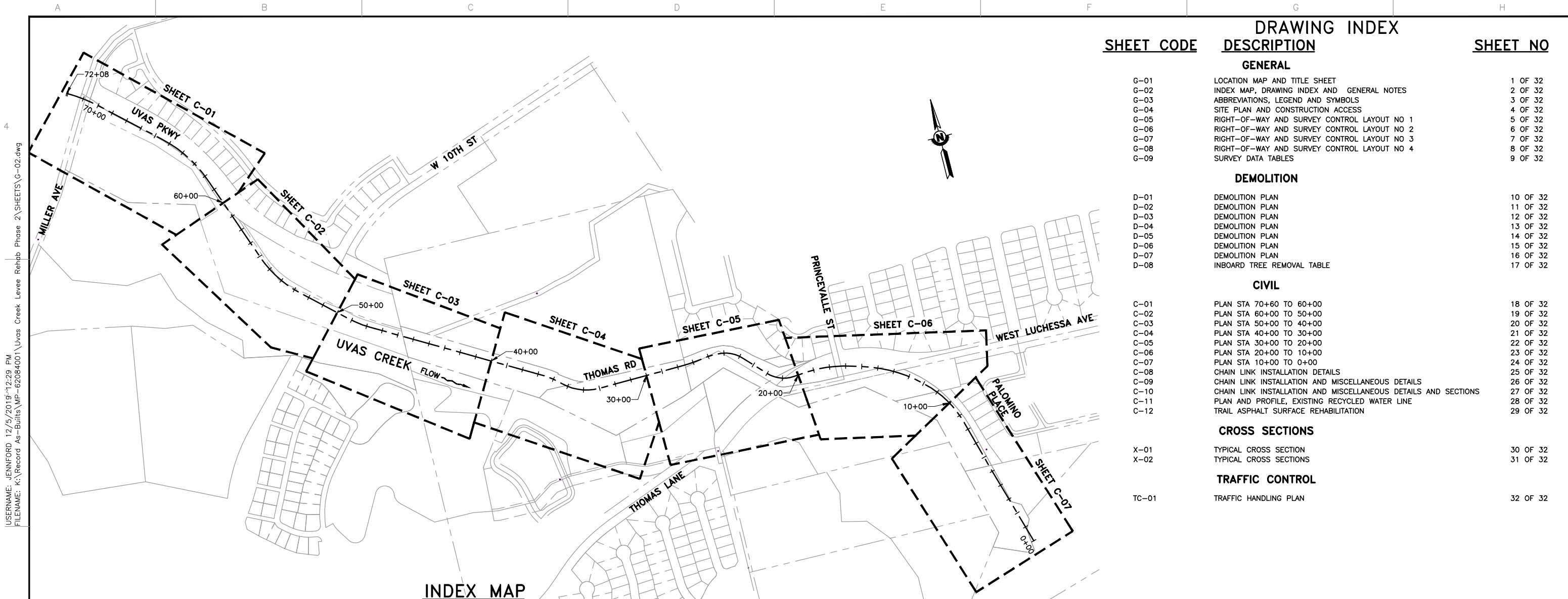
ACCEPTED BY SCVWD ENGINEER OF RECORD:

TED J. IBARRA *Ted Ibarra* 12/05/2019
NAME DATE



AB RECORD "AS-BUILT" DRAWING

CONTRACT NUMBER
C-0648
PROJECT NUMBER
62084001
SHEET CODE: **G-01**
SHEET NUMBER:
1 OF 32



INDEX MAP
SCALE: 1" = 250'

SHEET CODE	DESCRIPTION	SHEET NO
GENERAL		
G-01	LOCATION MAP AND TITLE SHEET	1 OF 32
G-02	INDEX MAP, DRAWING INDEX AND GENERAL NOTES	2 OF 32
G-03	ABBREVIATIONS, LEGEND AND SYMBOLS	3 OF 32
G-04	SITE PLAN AND CONSTRUCTION ACCESS	4 OF 32
G-05	RIGHT-OF-WAY AND SURVEY CONTROL LAYOUT NO 1	5 OF 32
G-06	RIGHT-OF-WAY AND SURVEY CONTROL LAYOUT NO 2	6 OF 32
G-07	RIGHT-OF-WAY AND SURVEY CONTROL LAYOUT NO 3	7 OF 32
G-08	RIGHT-OF-WAY AND SURVEY CONTROL LAYOUT NO 4	8 OF 32
G-09	SURVEY DATA TABLES	9 OF 32
DEMOLITION		
D-01	DEMOLITION PLAN	10 OF 32
D-02	DEMOLITION PLAN	11 OF 32
D-03	DEMOLITION PLAN	12 OF 32
D-04	DEMOLITION PLAN	13 OF 32
D-05	DEMOLITION PLAN	14 OF 32
D-06	DEMOLITION PLAN	15 OF 32
D-07	DEMOLITION PLAN	16 OF 32
D-08	INBOARD TREE REMOVAL TABLE	17 OF 32
CIVIL		
C-01	PLAN STA 70+60 TO 60+00	18 OF 32
C-02	PLAN STA 60+00 TO 50+00	19 OF 32
C-03	PLAN STA 50+00 TO 40+00	20 OF 32
C-04	PLAN STA 40+00 TO 30+00	21 OF 32
C-05	PLAN STA 30+00 TO 20+00	22 OF 32
C-06	PLAN STA 20+00 TO 10+00	23 OF 32
C-07	PLAN STA 10+00 TO 0+00	24 OF 32
C-08	CHAIN LINK INSTALLATION DETAILS	25 OF 32
C-09	CHAIN LINK INSTALLATION AND MISCELLANEOUS DETAILS	26 OF 32
C-10	CHAIN LINK INSTALLATION AND MISCELLANEOUS DETAILS AND SECTIONS	27 OF 32
C-11	PLAN AND PROFILE, EXISTING RECYCLED WATER LINE	28 OF 32
C-12	TRAIL ASPHALT SURFACE REHABILITATION	29 OF 32
CROSS SECTIONS		
X-01	TYPICAL CROSS SECTION	30 OF 32
X-02	TYPICAL CROSS SECTIONS	31 OF 32
TRAFFIC CONTROL		
TC-01	TRAFFIC HANDLING PLAN	32 OF 32

GENERAL NOTES:

- ALL CONSTRUCTION MATERIAL AND METHODS SHALL COMPLY WITH THE LATEST EDITION OF THE CALTRANS STANDARD SPECIFICATIONS. ALL EXCAVATION AND CONSTRUCTION PROCEDURES SHALL CONFORM TO CAL-OSHA AND OSHA STANDARDS AND ALL PREVAILING CODES AND REGULATIONS.
- ALL EXISTING FACILITIES, STRUCTURES, TREES, FENCES, LANDSCAPE, ETC., DESIGNATED "EXIST" OR SHOWN EXISTING (SCREENED LINES) ARE TO REMAIN, ONLY THOSE SPECIFICALLY DESIGNATED FOR REMOVAL AS INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER SHALL BE REMOVED.
- CONTRACTOR IS RESPONSIBLE TO UNCOVER AND VERIFY THE LOCATIONS AND ELEVATIONS OF ALL EXISTING BURIED PIPING AND FACILITIES THAT REQUIRE CONNECTION TO NEW WORK OR POTENTIALLY IMPACT THE CONTRACTOR'S OPERATION.
- IF THERE ARE ANY DISCREPANCIES BETWEEN DIMENSIONS AND EXISTING CONDITIONS WHICH WILL AFFECT THE WORK, THE CONTRACTOR SHALL BRING SUCH DISCREPANCIES TO THE ATTENTION OF THE ENGINEER, FOR ADJUSTMENT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FITTING OF ALL WORK AND FOR THE COORDINATION OF ALL TRADES AND PERSONS ENGAGED UPON THIS CONTRACT.
- CONTRACTOR SHALL POST ON THE SITE, EMERGENCY TELEPHONE NUMBERS FOR PUBLIC WORKS, AMBULANCE, POLICE AND FIRE DEPARTMENTS.
- CONTRACTOR SHALL NOTIFY THE DISTRICT FOR INSPECTIONS A MINIMUM OF TWO (2) WORKING DAYS IN ADVANCE OF THE REQUIRED INSPECTION TIME.
- CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE DISTRICT AND THE DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
- ALL GRADING SHALL BE PERFORMED IN COMPLIANCE WITH THE STANDARDS ESTABLISHED BY BAY AIR QUALITY MANAGEMENT DISTRICT FOR AIRBORNE PARTICULATES AND DUST.
- ALL MATERIALS, REQUIRED FOR THE COMPLETE EXECUTION OF THE PROJECT, SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE ANY EXISTING IMPROVEMENTS OF ABOVE OR UNDERGROUND FACILITIES DAMAGED DURING THE CONSTRUCTION PERIOD.
- ALL UNSUITABLE EXCAVATED MATERIALS WITHIN THE PROJECT LIMITS SHALL BE LEGALLY DISPOSED OF FROM THE PROJECT SITE BY THE CONTRACTOR.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR TEMPORARY SHORING OF THE EXCAVATION KEY, EXISTING LEVEE SLOPE, ETC. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SELECTION, DESIGN, SAFE MAINTENANCE AND REMOVAL OF THE SHORING REQUIRED TO COMPLETE THE PROJECT WHERE SHORING IS REQUIRED. CONTRACTOR SHALL SUBMIT AN EXCAVATION SAFETY PLAN IN COMPLIANCE WITH CAL-OSHA AND OSHA REQUIREMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND SCHEDULE WITH THE CITY OF GILROY, PUBLIC WORKS DEPARTMENT.
- CONTRACTOR SHALL OBTAIN ANY NECESSARY PERMITS FROM THE CITY OF GILROY FOR CONSTRUCTION TRAFFIC.
- ALL REFERENCES MADE TO RIGHT OR LEFT AND ALL CROSS-SECTIONS SHOWN ON THE PLANS ARE VIEWED LOOKING UPSTREAM.
- LOCATIONS AND DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE BASED ON INFORMATION FROM THE UTILITY COMPANY AND ARE TO BE CONSIDERED AS APPROXIMATE ONLY. CONTRACTOR SHALL PERFORM POTHOLING OPERATIONS PRIOR TO EXCAVATION OVER SUSPECTED OR KNOWN UTILITIES.
- PRIOR TO PERFORMING ANY WORK IN THE VICINITY OF EXISTING UNDERGROUND UTILITIES, THE CONTRACTOR SHALL VERIFY THEIR LOCATION AND DEPTH AND TAKE PROPER PRECAUTIONS TO AVOID ANY DAMAGE TO THEM. CALL U.S.A. (UNDERGROUND SERVICE ALERT) 48 HOURS PRIOR TO COMMENCING WORK AT 1 (800) 227-2600 FOR LOCATION. THE COST OF VERIFICATION OF DEPTH AND LOCATION OF EXISTING UTILITIES INCLUDING ANY COST FOR STAND BY ACTIVITIES DURING POTHOLING SHALL BE INCLUDED IN THE RELATED BID ITEMS OF WORK.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR IDENTIFYING AND IMPLEMENTING ALL STORM WATER BEST MANAGEMENT PRACTICES AND POLLUTION PREVENTION CONTROL MEASURES AS DESCRIBED IN ALL PROJECT PERMITS AND VHP.
- CONTRACTOR SHALL REMOVE DEBRIS, UNUSED MATERIALS, FORMS AND OTHER MATERIALS USED DURING THE CONSTRUCTION FROM THE PROJECT SITE. ALL ACCESS ROADS AND TRAILS SHALL BE CLEARED AND RESTORED IN-KIND AS NEEDED.
- CONTRACTOR IS RESPONSIBLE FOR STORAGE, MAINTENANCE AND SECURITY OF THE STORAGE AREA DURING THIS PROJECT. THE CONTRACTOR SHALL CONSTRUCT A GREEN-SCREENED TEMPORARY SECURITY FENCE. THE DISTRICT WILL NOT BE RESPONSIBLE FOR STOLEN ITEMS AND NO CLAIMS SHALL BE MADE. ANY EXPENSES RELATED TO STORAGE, MAINTENANCE AND SECURITY SHALL BE INCLUDED IN THE RELATED BID ITEMS OF WORK.
- CONTRACTOR SHALL CONSTRUCT TEMPORARY ACCESS RAMP TO ACCESS THE INBOARD LEVEE AS REQUIRED. TEMPORARY RAMP CONSTRUCTION SHALL MEET CAL-OSHA & OSHA SAFETY STANDARDS WITH PROPER WIDTH AND GRADE FOR ALL CONSTRUCTION EQUIPMENT, NO SEPARATE PAYMENT WILL BE ALLOWED. THE COST OF CONSTRUCTION OF ALL TEMPORARY ACCESS RAMPS WILL BE INCURRED IN BID ITEM #2.
- CONTRACTOR SHALL SUBMIT PLANS FOR ALL TEMPORARY ACCESS RAMP LOCATIONS FOR APPROVAL BY ENGINEER.
- ALL BEGINNING AND END STATIONS FOR ALL WORK ELEMENTS ARE APPROXIMATE. THE CONTRACTOR SHALL MATCH THE EXISTING IMPROVEMENTS.
- COST FOR PROTECTING EXISTING TREES, FENCES, UTILITIES, SACKED CONCRETE, ETC. AND ALL FEATURES NOT DEPICTED FOR REMOVAL SHALL BE INCLUDED IN THE RELATED BID ITEMS OF WORK. NO SEPARATE PAYMENT SHALL BE MADE FOR PROTECTION OF THESE ITEMS.
- CONTRACTOR MAY USE STEEL PLATES IF IT IS DEEMED NECESSARY, FOR HIS/HER OPERATIONS TO PROTECT ANY UTILITIES. ITEM COST OF THE USE OF STEEL PLATES SHALL BE INCLUDED IN THE RELATED BID ITEMS OF WORK UNLESS OTHERWISE IT IS SPECIFICALLY IDENTIFIED IN THE SPECIFICATIONS.
- CONTRACTOR SHALL PROTECT IN PLACE THE EXISTING CHAIN LINK FABRIC MESH INSTALLED ON THE OUTBOARD FACE OF THE LEVEE AND THE FENCES IMMEDIATELY FACING THE OUTBOARD LEVEE.
- 3D CADD DRAWINGS SHALL NOT BE PROVIDED.
- COST OF INSTALLATION OF PERIMETER FENCE ALONG STAGING AREA SHALL BE INCLUDED IN MOBILIZATION AND DEMOBILIZATION BID ITEM.
- THE CONTOURS SHOWN ON SHEETS C-01 THRU C-07 ARE 2 FEET INTERVALS.
- THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIALS.**

AS-BUILT
CONSTRUCTION INSPECTOR
SIGN: *Ted Ibarra* DATE: 12/5/19
NAME: TED IBARRA

DOCUMENT NUMBER: UVC_UL-G-5018-63948

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES
1	AS-BUILT	12/19	TI	

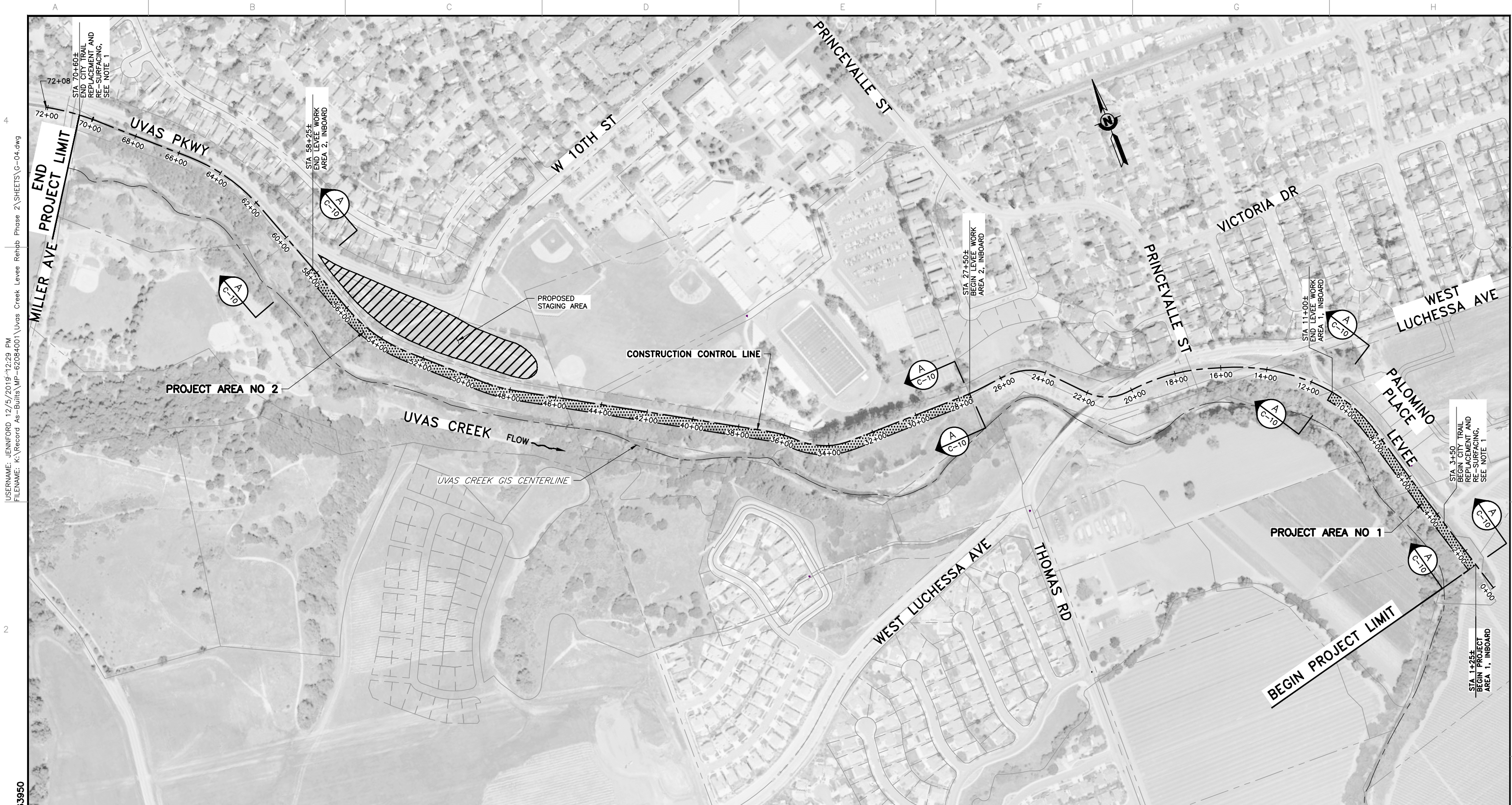
DATE: 4/5/2019
DESIGN: T. IBARRA
DRAWN: S. KAROGLU
CHECKED: R. NARSIM
PROJECT ENGINEER DATE



PROJECT NAME AND SHEET DESCRIPTION:
WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2
INDEX MAP, DRAWING INDEX AND GENERAL NOTES

SCALE: AS SHOWN	PROJECT NUMBER: 62084001
VERIFY SCALES: 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: G-02 SHEET NUMBER: 2 OF 32

USERNAME: JENNIFORD 12/5/2019 12:29 PM
FILENAME: K:\Record As-Built\MP-62084001\Uvas Creek Levee Rehab Phase 2\SHEETS\G-02.dwg



USER: JENNIFORD 12/5/2019 12:29 PM
 FILENAME: K:\Record As-Built\MP-62084001\Uvas Creek Levee Rehab Phase 2\SHEETS\G-04.dwg
 DOCUMENT NUMBER: UVC_UL-G-5018-63950

LEGEND

LEVEE WORK AREA	
STAGING AREA	

PLAN
SCALE: 1" = 200'

AS-BUILT
 CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR
AB	1. AS-BUILT	12/19	TI

REFERENCE INFORMATION AND NOTES

- REFER TO SHEET C-12 FOR TRAIL ASPHALT SURFACE REHABILITATION.

DATE: 4/5/2019
 DESIGN: T. IBARRA
 DRAWN: S. KAROGLU
 CHECKED: R. NARSIM
 PROJECT ENGINEER DATE

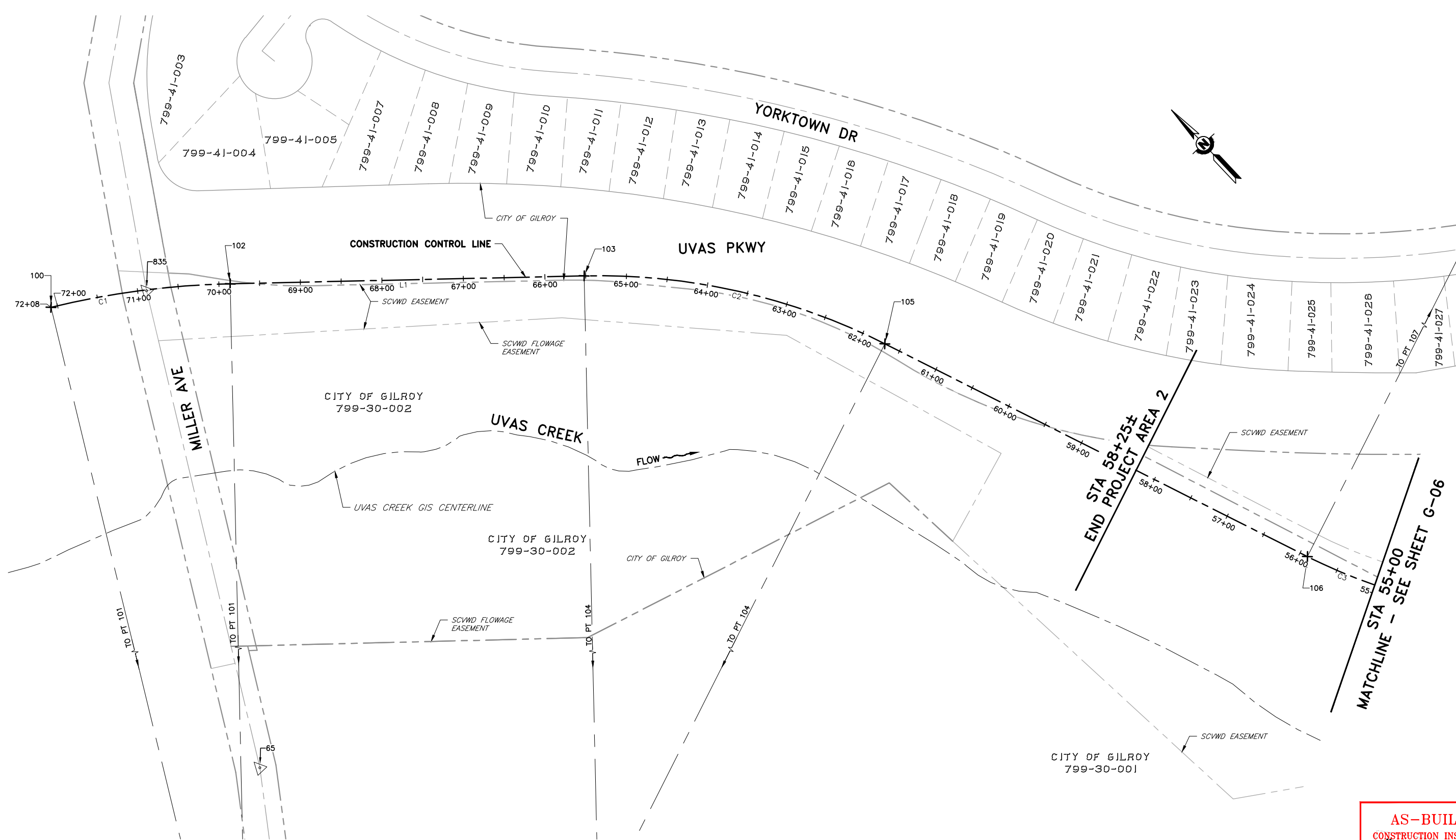


PROJECT NAME AND SHEET DESCRIPTION:
WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2
 SITE PLAN AND CONSTRUCTION ACCESS

SCALE: AS SHOWN	PROJECT NUMBER: 62084001
VERIFY SCALES: 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: AB G-04
	SHEET NUMBER: 4 OF 32

USERNAME: JENNIFORD 12/5/2019 12:29 PM
 FILENAME: K:\Record As-Built\MP-62084001\Uvas Creek Levee Rehab Phase 2\SHEETS\G-05.dwg

DOCUMENT NUMBER: UVC_UL-G-5018-63951



PLAN
 SCALE: 1" = 60'

AS-BUILT
 CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR
△ AB	1. AS-BUILT	12/19	TI

REFERENCE INFORMATION AND NOTES
 1. SEE SHEET G-09 FOR SURVEY DATA TABLES.

DATE: 4/5/2019
 DESIGN: T. IBARRA
 DRAWN: S. KAROGLU
 CHECKED: R. NARSIM
 PROJECT ENGINEER DATE

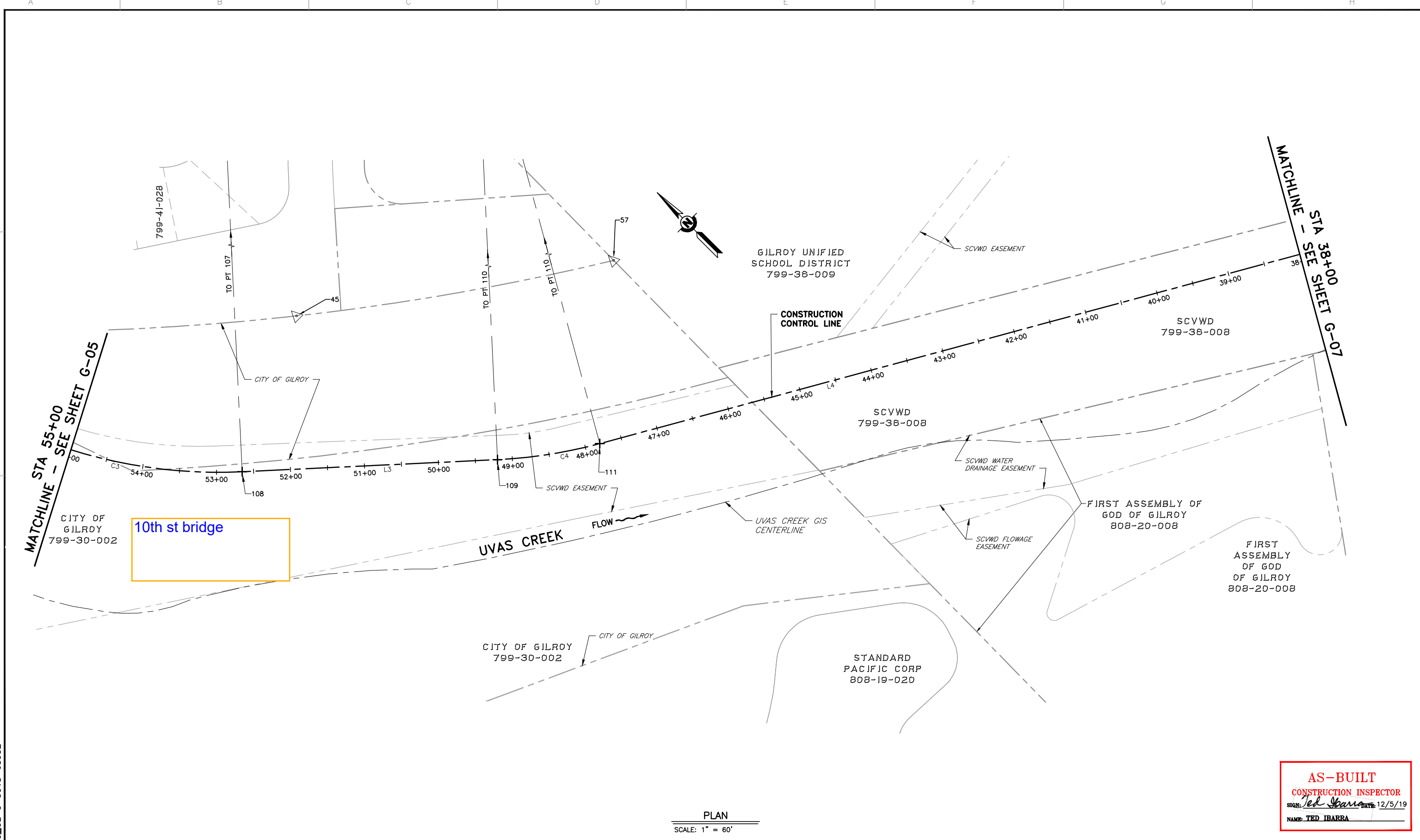


PROJECT NAME AND SHEET DESCRIPTION:
WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2
 RIGHT-OF-WAY AND SURVEY CONTROL LAYOUT NO 1

SCALE AS SHOWN	PROJECT NUMBER 62084001
VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: △ AB G-05
	SHEET NUMBER: 5 OF 32

USERNAME: JENNIFORD 12/5/2019 12:30 PM
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DOCUMENT NUMBER: UVC_UL-G-5018-63952



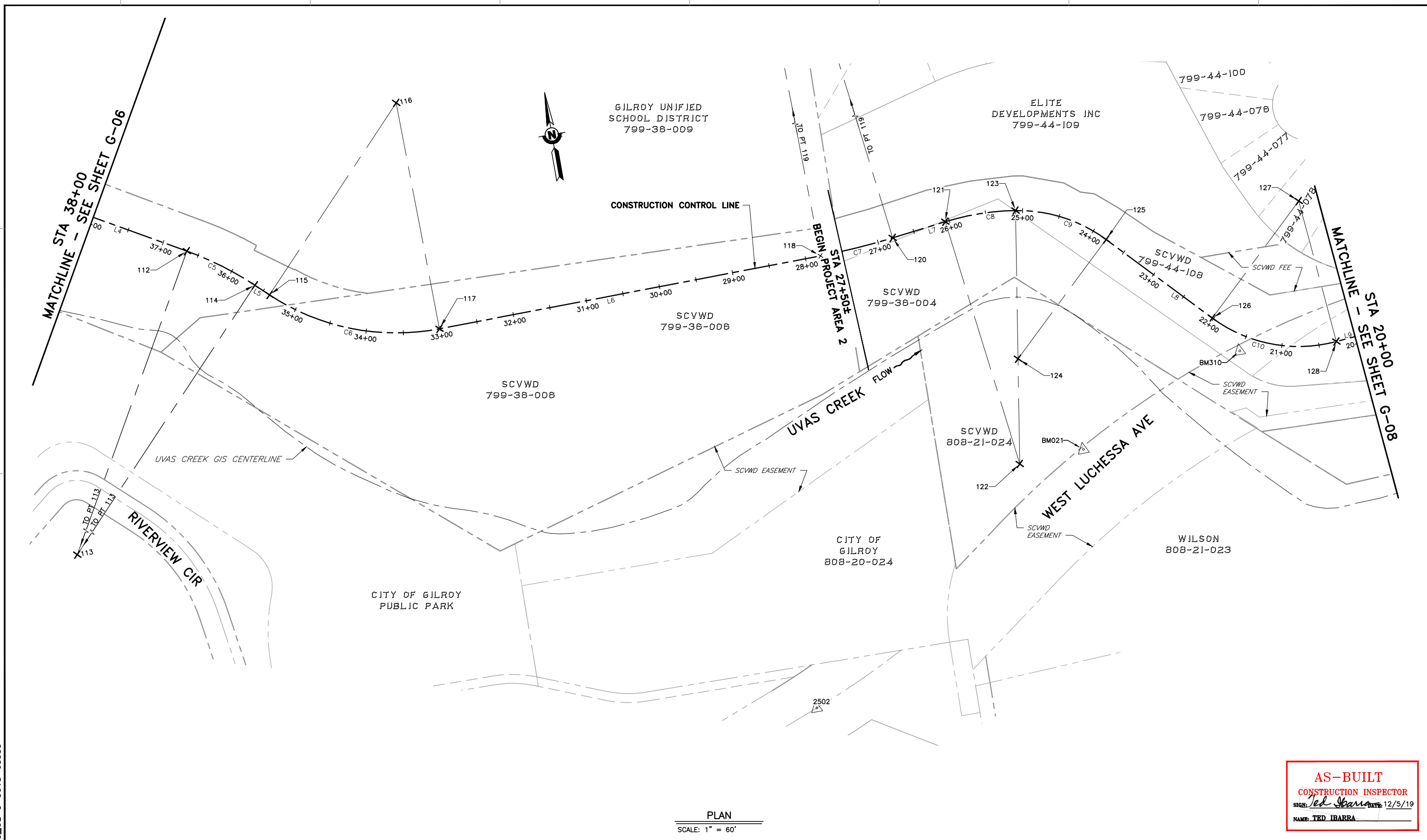
PLAN
 SCALE: 1" = 60'

AS-BUILT
 CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
1	AS-BUILT	12/19	TI	1. SEE SHEET G-09 FOR SURVEY DATA TABLES.	4/5/2019	T. IBARRA S. KAROGLOU R. NARSIM PROJECT ENGINEER DATE	WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2 RIGHT-OF-WAY AND SURVEY CONTROL LAYOUT NO 2	AS SHOWN	62084001
								VERIFY SCALES 0 1"	SHEET CODE: G-06
								BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET NUMBER: 6 OF 32

USERNAME: JENNIFORD 12/5/2019 12:30 PM
 FILENAME: K:\Record As-Built\MP-62084001\Uvas Creek Levee Rehb Phase 2\SHEETS\G-07.dwg

DOCUMENT NUMBER: UVC_UL-G-5018-63953



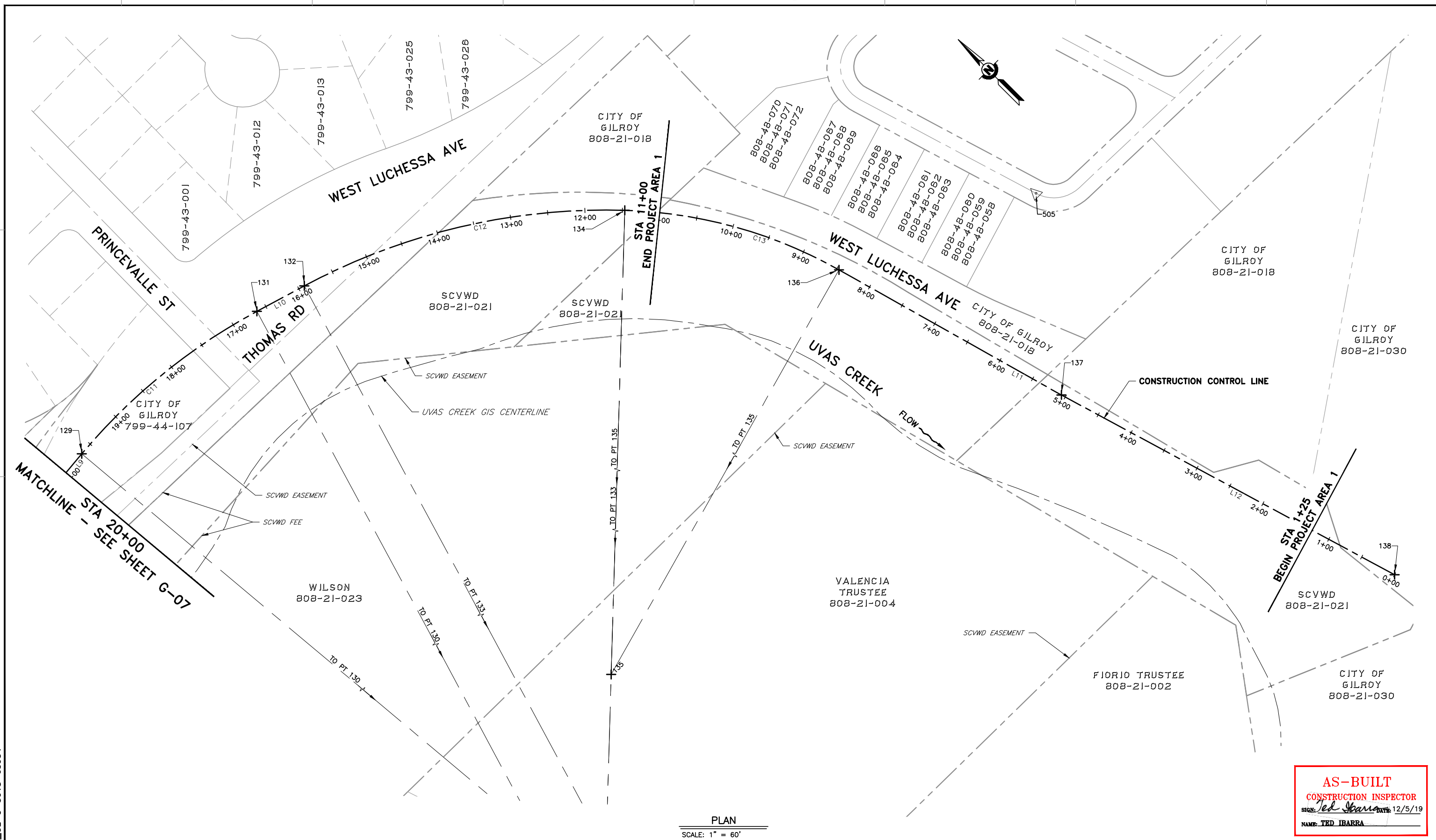
PLAN
 SCALE: 1" = 60'

AS-BUILT
CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
1	AS-BUILT	12/19	TI	1. SEE SHEET G-09 FOR SURVEY DATA TABLES.	4/5/2019		WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2 RIGHT-OF-WAY AND SURVEY CONTROL LAYOUT NO 3	AS SHOWN	62084001
								VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: G-07 SHEET NUMBER: 7 OF 32

USERNAME: JENNIFORD 12/5/2019 12:30 PM
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DOCUMENT NUMBER: UVC_UL-G-5018-63954



PLAN
 SCALE: 1" = 60'

AS-BUILT
 CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR
△ AB	1. AS-BUILT	12/19	TI

REFERENCE INFORMATION AND NOTES
 1. SEE SHEET G-09 FOR SURVEY DATA TABLES.

DATE: 4/5/2019
 DESIGN: T. IBARRA
 DRAWN: S. KAROGLU
 CHECKED: R. NARSIM
 PROJECT ENGINEER DATE



PROJECT NAME AND SHEET DESCRIPTION:
WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2
 RIGHT-OF-WAY AND SURVEY CONTROL LAYOUT NO 4

SCALE AS SHOWN	PROJECT NUMBER 62084001
VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: △ AB G-08
	SHEET NUMBER: 8 OF 32

USERNAME: JENNIFORD 12/5/2019 12:30 PM
 FILENAME: K:\Record As-Built\MP-62084001\Uvas Creek Levee Rehab Phase 2\SHEETS\G-09.dwg
 DOCUMENT NUMBER: UVC_UL-G-5018-63955

POINT TABLE			
POINT	NORTHING	EASTING	DESCRIPTION
100	1824117.4847	6244796.5067	BP
101	1823225.9067	6244289.3451	RP
102	1823987.7596	6244976.1526	EC
103	1823696.9987	6245298.6840	BC
104	1823117.1896	6244775.9883	RP
105	1823383.4794	6245509.7997	EC
106	1822837.9805	6245707.7536	BC
107	1823066.1349	6246336.4759	RP
108	1822571.2250	6245886.5755	EC
109	1822338.7785	6246142.1408	BC
110	1822816.7497	6246576.8741	RP
111	1822256.4252	6246255.1817	EC
112	1821701.8928	6247221.0738	BC
113	1821325.6394	6247005.0613	RP
114	1821640.8509	6247303.1715	EC
115	1821624.6273	6247320.3258	BC
116	1821849.3038	6247532.8128	RP
117	1821540.0955	6247537.3425	EC
118	1821547.7376	6248059.0137	BC
119	1822463.3280	6248045.6010	RP
120	1821554.6538	6248158.7244	EC
121	1821563.7944	6248232.1464	BC
122	1821225.6713	6248274.2403	RP
123	1821562.1751	6248327.7591	PRC
124	1821365.3638	6248296.4575	RP
125	1821502.6100	6248440.9496	EC
126	1821373.9609	6248563.1473	BC
127	1821508.6485	6248704.9457	RP
128	1821313.8282	6248722.0507	EC
129	1821318.9893	6248780.8341	BC
130	1820523.5315	6248850.6743	RP
131	1821288.1669	6249080.8121	EC
132	1821267.4161	6249149.7570	BC
133	1820451.0792	6248903.6213	RP
134	1821036.0955	6249523.8992	PRC
135	1820610.3885	6249072.5329	RP
136	1820777.5458	6249670.0414	EC
137	1820449.1184	6249761.9213	AP
138	1819964.4319	6249906.8157	EP

LINE TABLE		
LINE	LENGTH	BEARING
L1	434.24'	N47°57'56"W
L2	580.31'	N19°56'42"W
L3	345.46'	N47°42'44"W
L4	1113.76'	N60°08'21"W
L5	23.61'	N46°35'50"W
L6	521.73'	S89°09'39"W
L7	73.99'	S82°54'13"W
L8	177.43'	N43°31'36"W
L9	59.01'	S84°58'57"W
L10	72.00'	N73°14'58"W
L11	339.27'	N15°37'46"W
L12	504.11'	N16°38'37"W

CURVE TABLE			
CURVE	RADIUS	LENGTH	DELTA
C1	1025.73'	222.02'	12°24'06"
C2	780.63'	381.77'	28°01'13"
C3	668.84'	324.32'	27°46'56"
C4	646.10'	140.13'	12°25'37"
C5	433.85'	102.54'	13°32'31"
C6	309.24'	238.79'	44°14'32"
C7	915.69'	100.00'	6°15'26"
C8	340.73'	95.94'	16°08'00"
C9	199.28'	130.21'	37°26'11"
C10	195.57'	175.76'	51°29'27"
C11	798.52'	303.38'	21°46'06"
C12	852.64'	444.91'	29°53'49"
C13	620.45'	299.91'	27°41'42"

ADDITIONAL VERTICAL & HORIZONTAL CONTROL POINTS TABLE					
POINT	NORTHING	EASTING	ELEVATION (FT)	DESCRIPTION	SHEET
45	1822668.07	6246087.70	211.21	3/4" IP WITH TAG SANTA CLARA COUNTY ON UVAS PARKWAY AND W 10TH STREET	G-06
57	1822418.27	6246443.47	210.38	1" IP WITH TAG RCE 13769 NEAR UVAS PARKWAY AND W 10TH STREET	G-06
65	1823530.66	6244595.28	214.33	BD WITH SANTA CLARA COUNTY STAMP ON MILLER AVENUE	G-05
835	1824051.75	6244895.72	222.71	3/4" IP AT MILLER AVENUE AND UVAS PARK DRIVE	G-05
2502	1820949.97	6247948.58	222.67	BD WITH PUNCH IN MON BOX ON W LUCHESSA AVENUE	G-07

VERTICAL & HORIZONTAL CONTROL POINTS TABLE - BENCHMARKS					
POINT	NORTHING	EASTING	ELEVATION (FT)	DESCRIPTION	SHEET
BM021	1821230.00	6248362.00	221.85	BRASS DISK ON TOP OF CONCRETE DECK, NORTHWEST END OF THOMAS ROAD BRIDGE OVER UVAS CREEK, 2.5 FEET SOUTH OF HEADWALL, 27 FEET EAST FROM WEST END OF HEADWALL.	G-07
BM310	1821324.00	6248592.00	223.15	BRASS DISK ON TOP OF CONCRETE DECK ON THE NORTHEAST CORNER OF LUCHESSA AVENUE BRIDGE OVER UVAS-CARNADERO CREEK, 2.5 FEET SOUTH OF HEADWALL, 23 FEET WEST OF EAST END OF HEADWALL.	G-07




SURVEY CONTROL INFORMATION

HORIZONTAL DATUM: CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE III, EPOCH 2004.082, CCS83 (2004.082)
 VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 88 (NAVD88), EPOCH 08/31/2005

UNITS OF MEASURE: U.S. SURVEY FEET

BASIS OF BEARINGS: BEARINGS AND DISTANCES HEREON ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE III, EPOCH 2004.082. ALL COORDINATES AND DISTANCES SHOWN HEREON ARE GRID VALUES. MULTIPLY GRID DISTANCES BY THE FACTOR OF 1.0000006449 TO OBTAIN GROUND LEVEL DISTANCES.

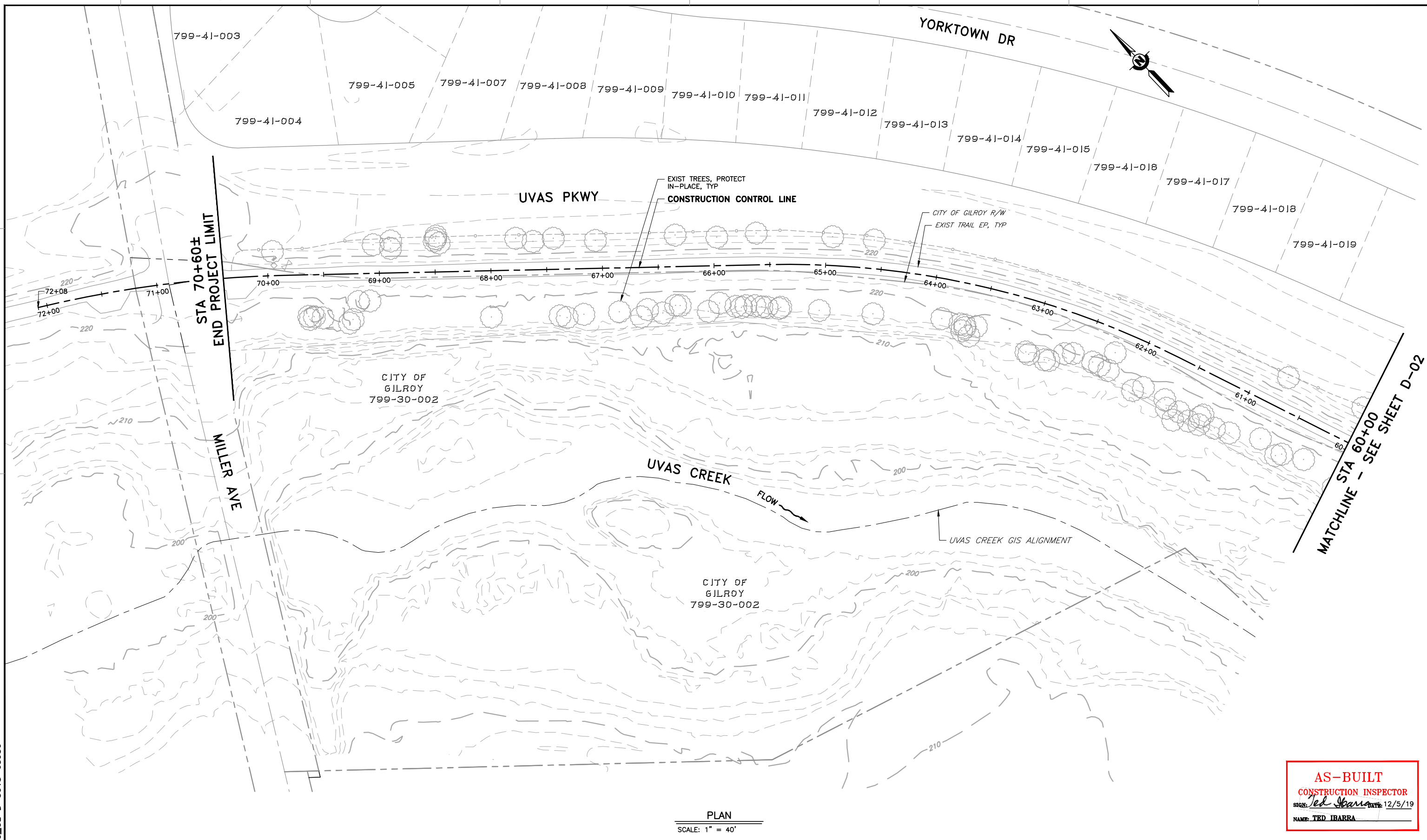
AS-BUILT
CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: **TED IBARRA**

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE 4/5/2019	ENGINEERING CERTIFICATION T. IBARRA DRAWN S. KAROGLU CHECKED R. NARSIM			PROJECT NAME AND SHEET DESCRIPTION: WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2	SCALE AS SHOWN	PROJECT NUMBER 62084001
△ AB	1. AS-BUILT	12/19	TI							 VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: △ G-09 SHEET NUMBER: 9 OF 32

SURVEY DATA TABLES

USERNAME: JENNIFORD 12/5/2019 12:30 PM
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DOCUMENT NUMBER: UVC_UL-D-5018-63956



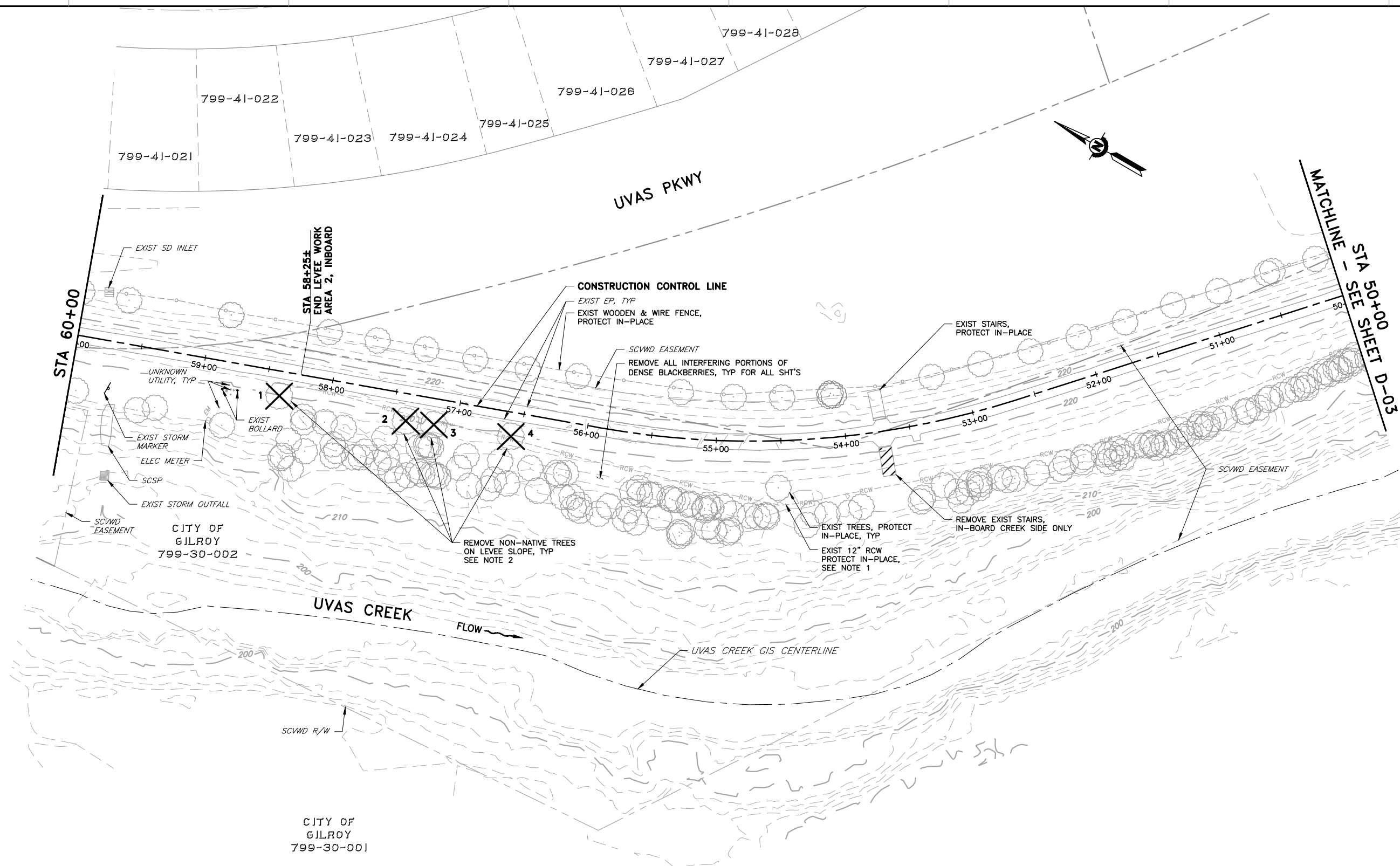
PLAN
 SCALE: 1" = 40'

AS-BUILT
CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
1	AS-BUILT	12/19	TI		4/5/2019	T. IBARRA S. KAROGLU R. NARSIM ENGINEER PROJECT ENGINEER	WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2 DEMOLITION PLAN	AS SHOWN	62084001
								VERIFY SCALES 0 1"	SHEET CODE: D-01 SHEET NUMBER: 10 OF 32

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DOCUMENT NUMBER: UVC_UL-D-5018-63957



PLAN
 SCALE: 1" = 40'

AS-BUILT
 CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR
1	AS-BUILT	12/19	TI

REFERENCE INFORMATION AND NOTES
 1. FOR ADDITIONAL INFORMATION ON EXISTING RCW, SEE SHEET C-11.
 2. REFER TO SHEET D-08 FOR TREE TYPE.

DATE: 4/5/2019
 DESIGN: T. IBARRA
 DRAWN: S. KAROGLU
 CHECKED: R. NARSIM
 PROJECT ENGINEER DATE



PROJECT NAME AND SHEET DESCRIPTION:
WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2

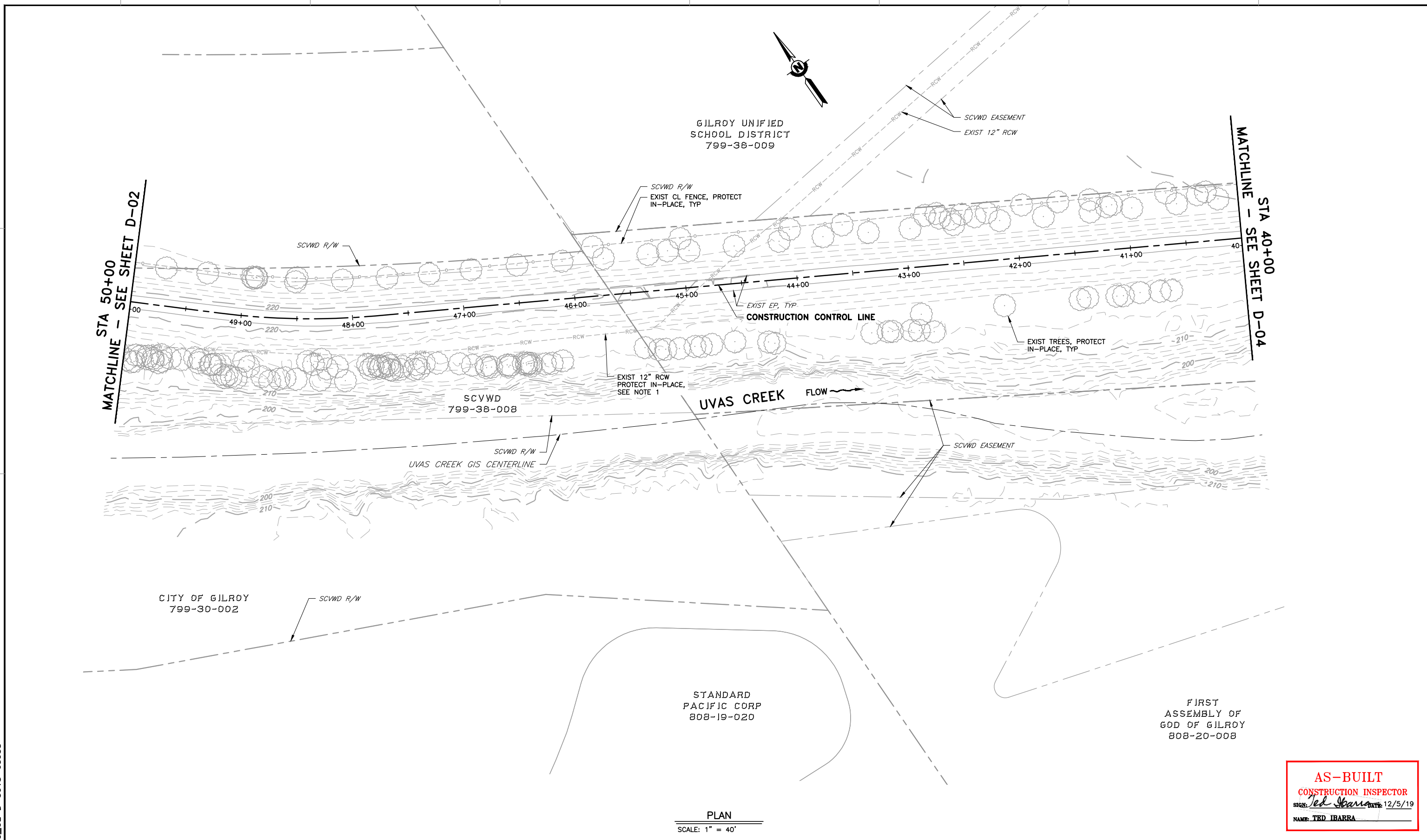
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 VERIFY SCALES: 0 1" (Scale bar showing 0 to 1 inch)
 BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 62084001
 SHEET CODE: D-02
 SHEET NUMBER: 11 OF 32

DEMOLITION PLAN

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DOCUMENT NUMBER: UVC_UL-D-5018-63958

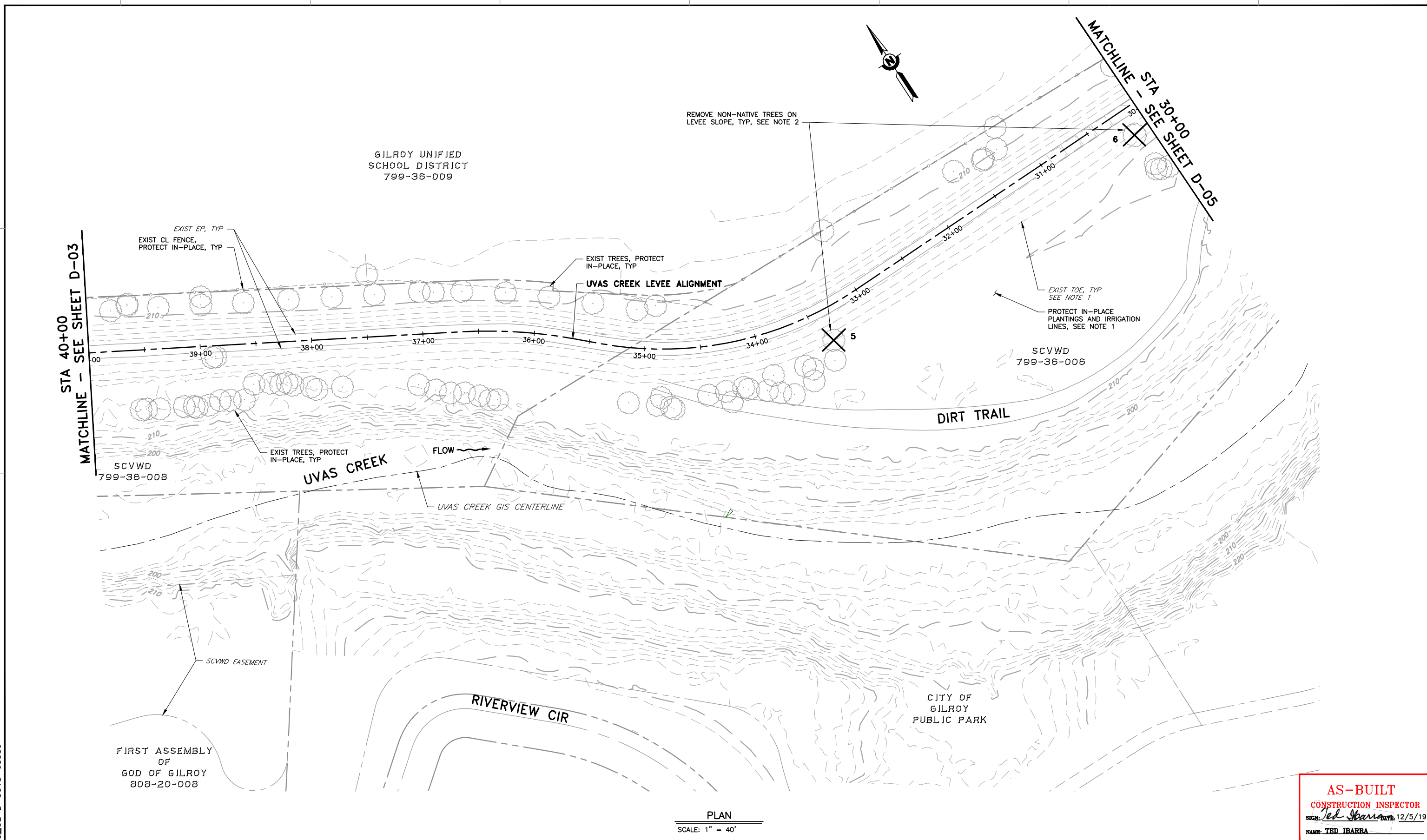


PLAN
 SCALE: 1" = 40'

AS-BUILT
 CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
					4/5/2019	TED J. IBARRA REGISTERED PROFESSIONAL ENGINEER CIVIL STATE OF CALIFORNIA 4/5/2019		AS SHOWN	62084001
1	AS-BUILT	12/19	TI	1. FOR ADDITIONAL INFORMATION ON EXISTING RCW, SEE SHEET C-11.	T. IBARRA DESIGN S. KAROGLU DRAWN R. NARSIM CHECKED	SEE ORIGINAL "AS-BID" DOCUMENT FOR SIGNATURE AND DATE	WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2	VERIFY SCALES	SHEET CODE: D-03
								DEMOLITION PLAN	0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

USERNAME: JENNIFORD 12/5/2019 12:31 PM
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 DOCUMENT NUMBER: UVC_UL-D-5018-63959



PLAN
 SCALE: 1" = 40'

AS-BUILT
 CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

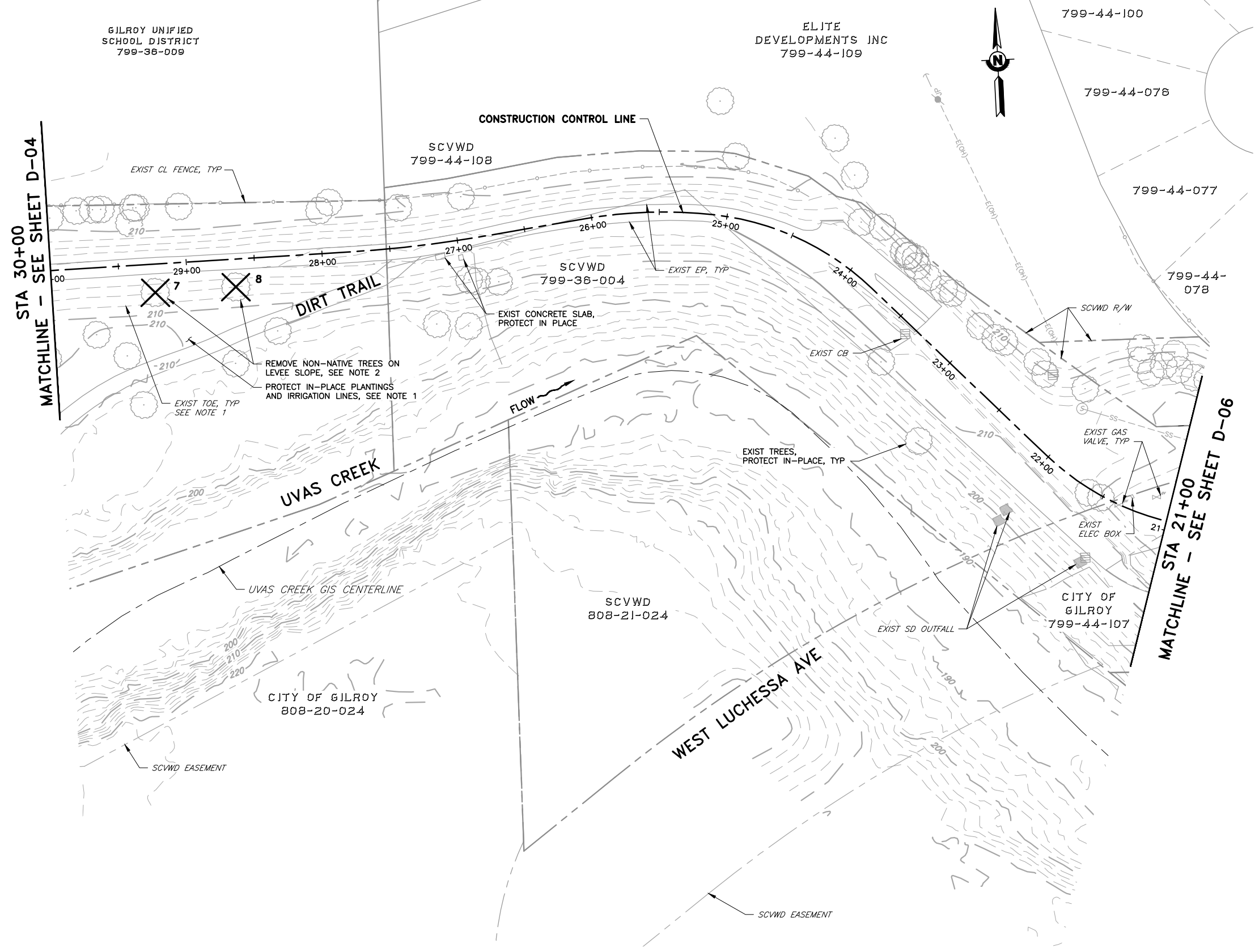
REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
1	AS-BUILT	12/19	TI	1. NO DEMOLITION WORK AT LEAST TEN FEET FROM TOE ON INBOARD SIDE FROM STA 28+50± TO STA 33+50±. 2. REFER TO SHEET D-08 FOR TREE TYPE.	4/5/2019	T. IBARRA S. KAROGLU R. NARSIM		WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2 DEMOLITION PLAN	AS SHOWN
									SHEET CODE: D-04 SHEET NUMBER: 13 OF 32

USERNAME: JENNIFORD 12/5/2019 12:32 PM
 FILENAME: K:\Record As-Built\MP-62084001\Uvas Creek Levee Rehb Phase 2\SHEETS\D-05.dwg

DOCUMENT NUMBER: UVC_UL-D-5018-63960

STA 30+00
 MATCHLINE - SEE SHEET D-04

STA 21+00
 MATCHLINE - SEE SHEET D-06



PLAN
 SCALE: 1" = 40'

AS-BUILT
 CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR
△ AB	1. AS-BUILT	12/19	TI

REFERENCE INFORMATION AND NOTES
 1. NO DEMOLITION WORK AT LEAST TEN FEET FROM TOE ON INBOARD SIDE FROM STA 28+50± TO STA 33+50±.
 2. REFER TO SHEET D-08 FOR TREE TYPE.

DATE: 4/5/2019
 DESIGN: T. IBARRA
 DRAWN: S. KAROGLU
 CHECKED: R. NARSIM
 PROJECT ENGINEER DATE



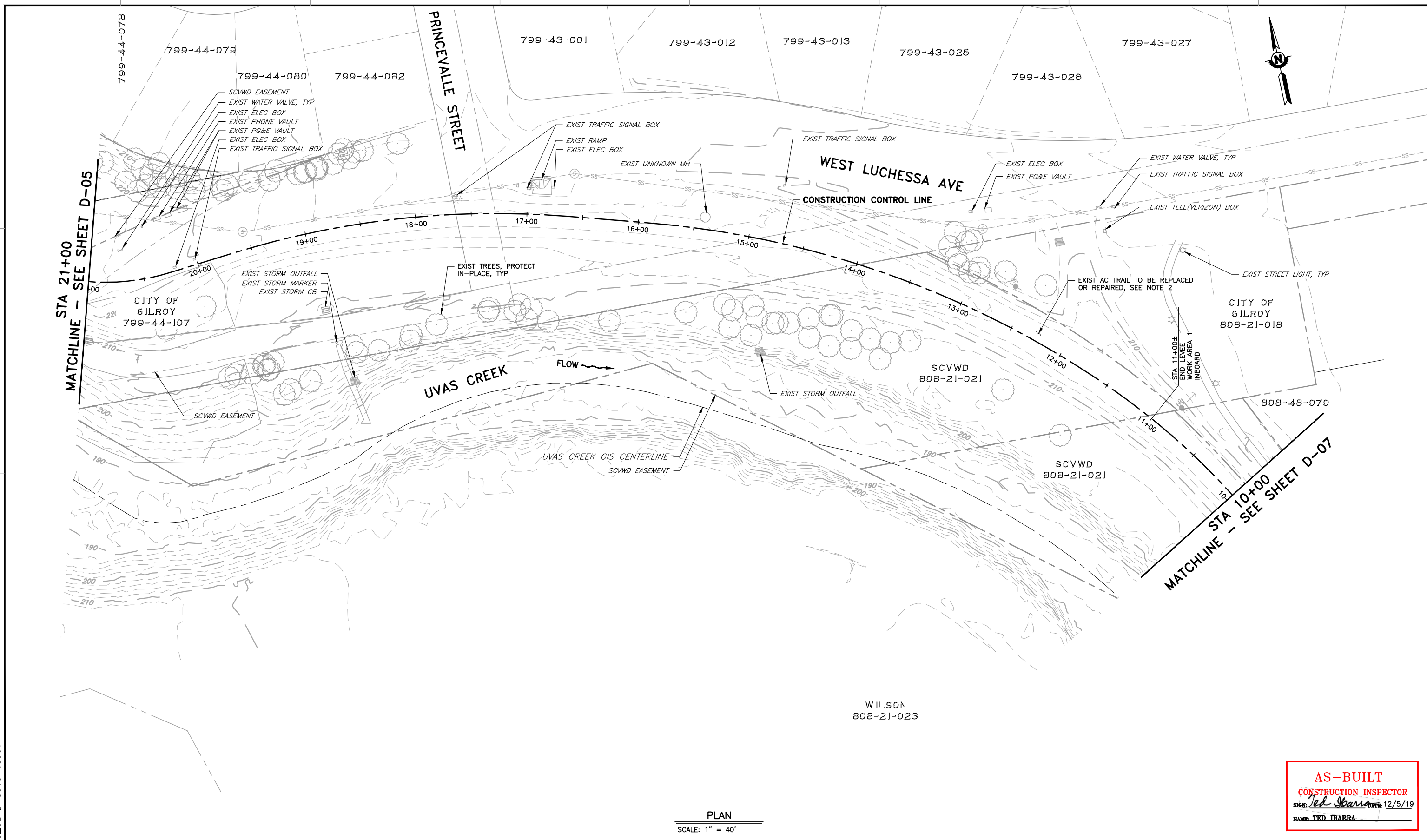
PROJECT NAME AND SHEET DESCRIPTION:
WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2

SCALE: AS SHOWN
 VERIFY SCALES: 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: **62084001**
 SHEET CODE: **D-05**
 SHEET NUMBER: 14 OF 32

DEMOLITION PLAN

USERNAME: JENNIFORD 12/5/2019 12:32 PM
 FILENAME: K:\Record As-Built\MP-62084001\Uvas Creek Levee Rehab Phase 2\Sheets\D-06.dwg
 DOCUMENT NUMBER: UVC_UL-D-5018-63961



PLAN
 SCALE: 1" = 40'

AS-BUILT
CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES
1	AS-BUILT	12/19	TI	

DATE	4/5/2019
DESIGN	T. IBARRA
DRAWN	S. KAROGLU
CHECKED	R. NARSIM
PROJECT ENGINEER	DATE

ENGINEERING CERTIFICATION
 SEE ORIGINAL "AS-BID" DOCUMENT FOR SIGNATURE AND DATE
 T. J. IBARRA
 CIVIL ENGINEER
 STATE OF CALIFORNIA
 4/5/2019

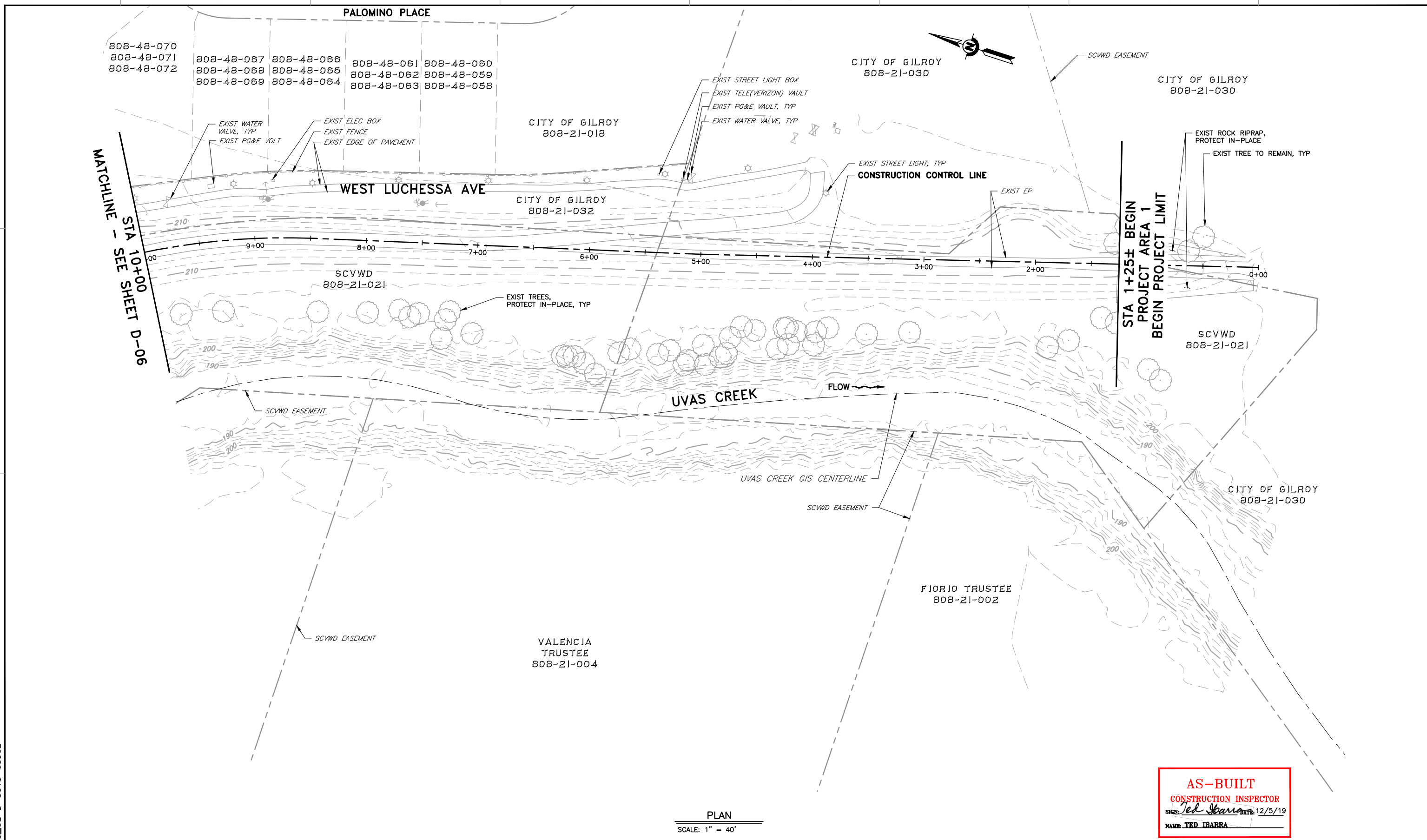


PROJECT NAME AND SHEET DESCRIPTION:
WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2
 DEMOLITION PLAN

SCALE	AS SHOWN	PROJECT NUMBER	62084001
VERIFY SCALES	0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE:	D-06
		SHEET NUMBER:	15 OF 32



USERNAME: JENNIFORD 12/5/2019 12:32 PM
 FILENAME: K:\Record As-Built\MP-62084001\Uvas Creek Levee Rehab Phase 2\Sheets\D-07.dwg

DOCUMENT NUMBER: UVC_UL-D-5018-63962



PLAN
 SCALE: 1" = 40'

AS-BUILT
 CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
1	AS-BUILT	12/19	TI		4/5/2019	 SEE ORIGINAL "AS-BID" DOCUMENT FOR SIGNATURE AND DATE T. IBARRA S. KAROGLU R. NARSIM	WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2 DEMOLITION PLAN	AS SHOWN	62084001
								VERIFY SCALES  BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: D-07 SHEET NUMBER: 16 OF 32

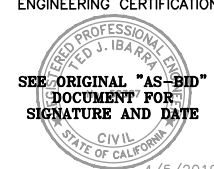
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 USERNAME: JENNIFORD 12/5/2019 12:32 PM
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NON-NATIVE TREE REMOVAL TABLE (INBOARD SIDE)		
NO	DESCRIPTION	SHEET
1	BLACK WALNUT	D-02
2	BLACK WALNUT	D-02
3	BLACK WALNUT	D-02
4	BLACK LOCUST	D-02
5	BLACK WALNUT	D-04
6	BLACK WALNUT	D-04
7	BLACK WALNUT	D-05
8	BLACK WALNUT	D-05

2
 1
 DOCUMENT NUMBER: UVC_UL-D-5018-63963

AS-BUILT
CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES
△ AB	1. AS-BUILT	12/19	TI	

DATE	ENGINEERING CERTIFICATION
4/5/2019	 SEE ORIGINAL "AS-BID" DOCUMENT FOR SIGNATURE AND DATE
DESIGN	
T. IBARRA	
DRAWN	
S. KAROGLU	
CHECKED	
R. NARSIM	
PROJECT ENGINEER	DATE

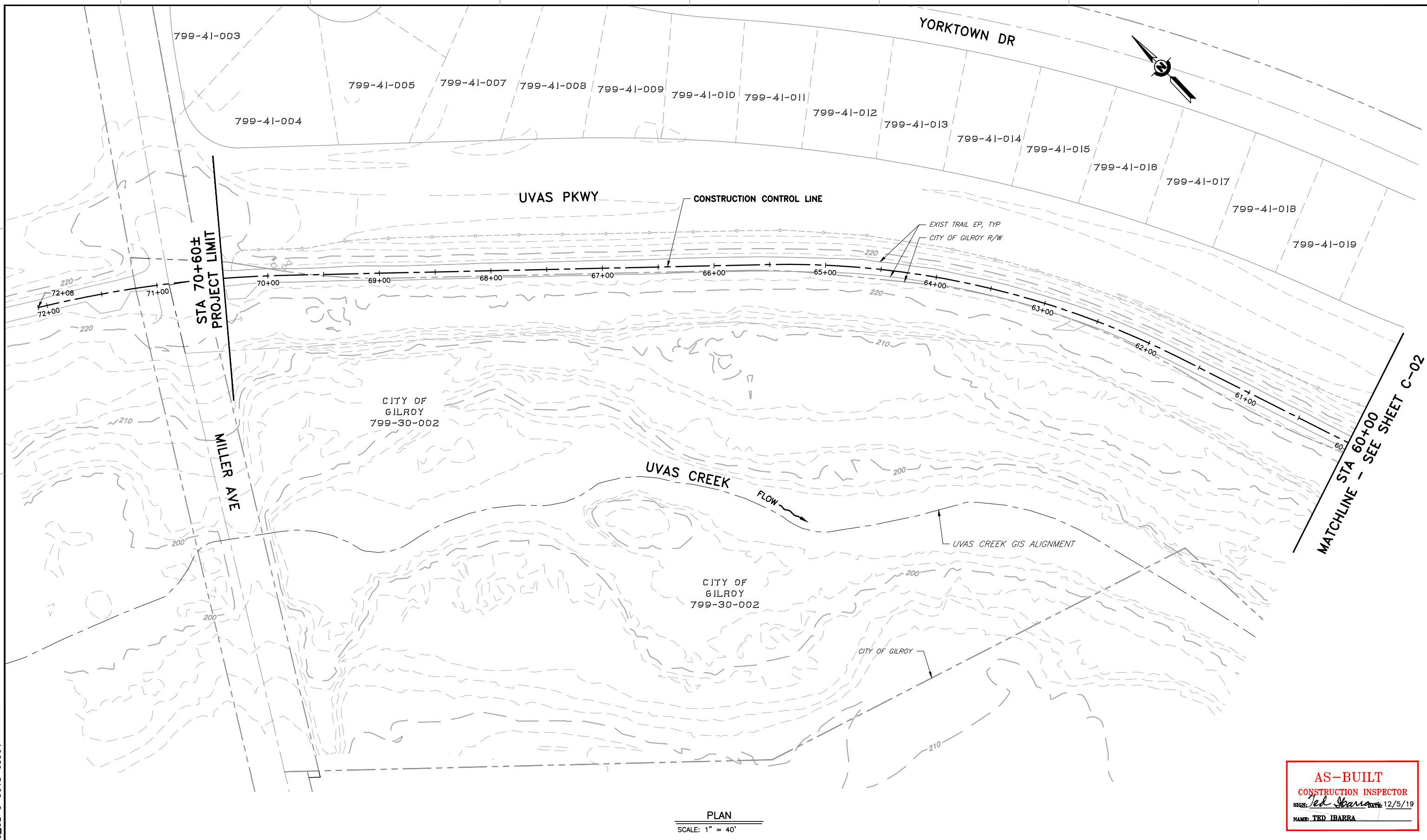


PROJECT NAME AND SHEET DESCRIPTION:
WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2
INBOARD TREE REMOVAL TABLE

SCALE	PROJECT NUMBER
AS SHOWN	62084001
VERIFY SCALES	SHEET CODE: △ AB
0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET NUMBER: 17 OF 32

USERNAME: JENNIFORD 12/5/2019 12:32 PM
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DOCUMENT NUMBER: UVC_UL-C-5018-63964



PLAN
 SCALE: 1" = 40'

AS-BUILT
CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR
△ AB	1. AS-BUILT	12/19	TI

REFERENCE INFORMATION AND NOTES

- REFER TO SHEET C-12 FOR AC REHABILITATION.
- PER SPECS SECTION 16, CONTRACTOR SHALL ALLOW ACCESS TO HALF OF TRAIL DURING NON-CONSTRUCTION HOURS.
- CONTRACTOR CAN CREATE TEMPORARY ACCESS RAMPS FROM STAGING AREA, BUT MUST RESTORE OUTBOARD SLOPE AND STAGING AREA TO PRE-CONSTRUCTION CONDITIONS OR BETTER.

DATE: 4/5/2019
 DESIGN: T. IBARRA
 DRAWN: S. KAROGLU
 CHECKED: R. NARSIM
 PROJECT ENGINEER DATE

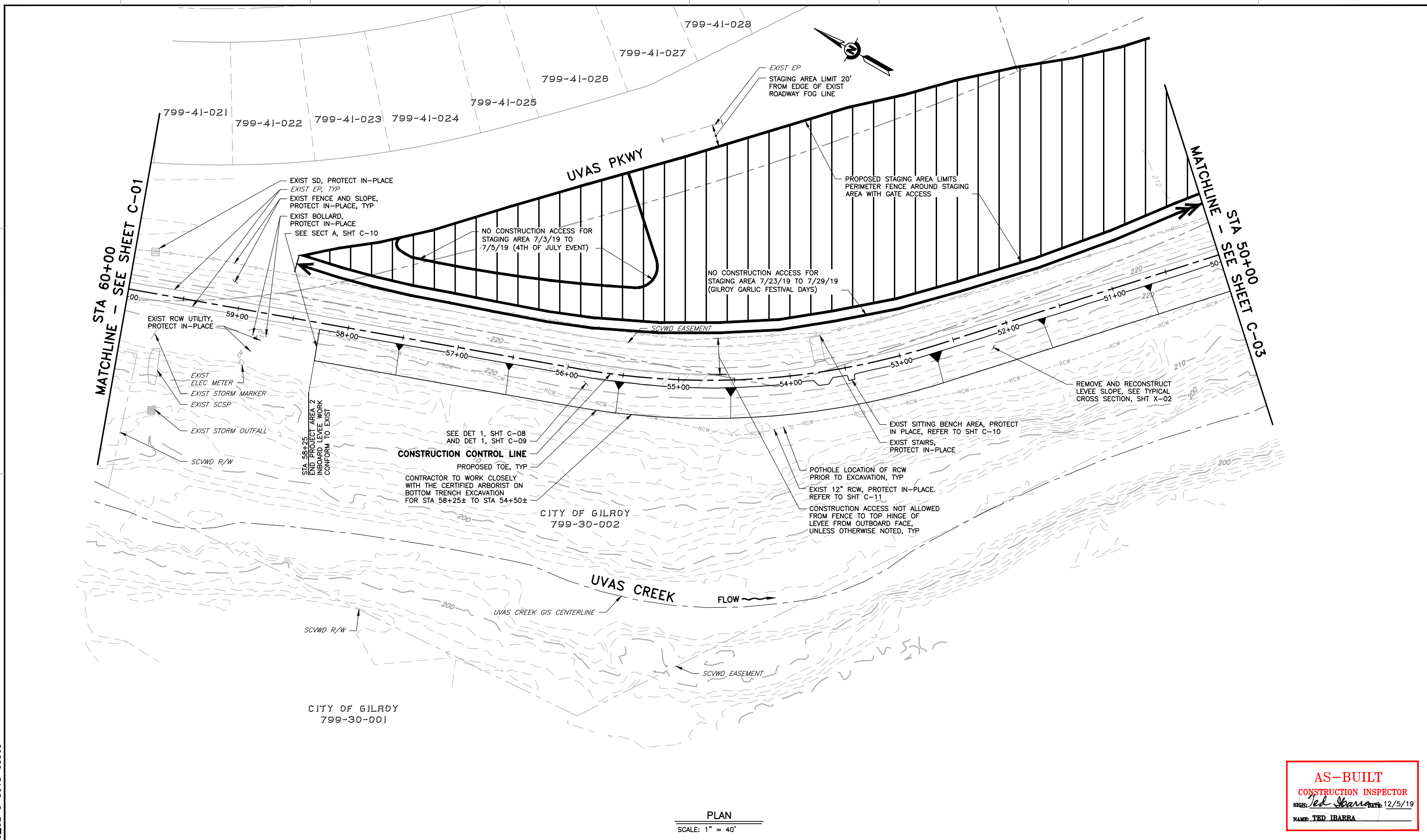


PROJECT NAME AND SHEET DESCRIPTION:
WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2
 PLAN
 STA 70+60 TO 60+00

SCALE AS SHOWN	PROJECT NUMBER 62084001
VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: △ AB C-01
	SHEET NUMBER: 18 OF 32

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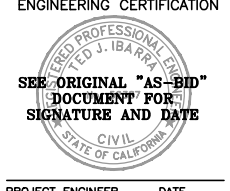
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PLAN
 SCALE: 1" = 40'

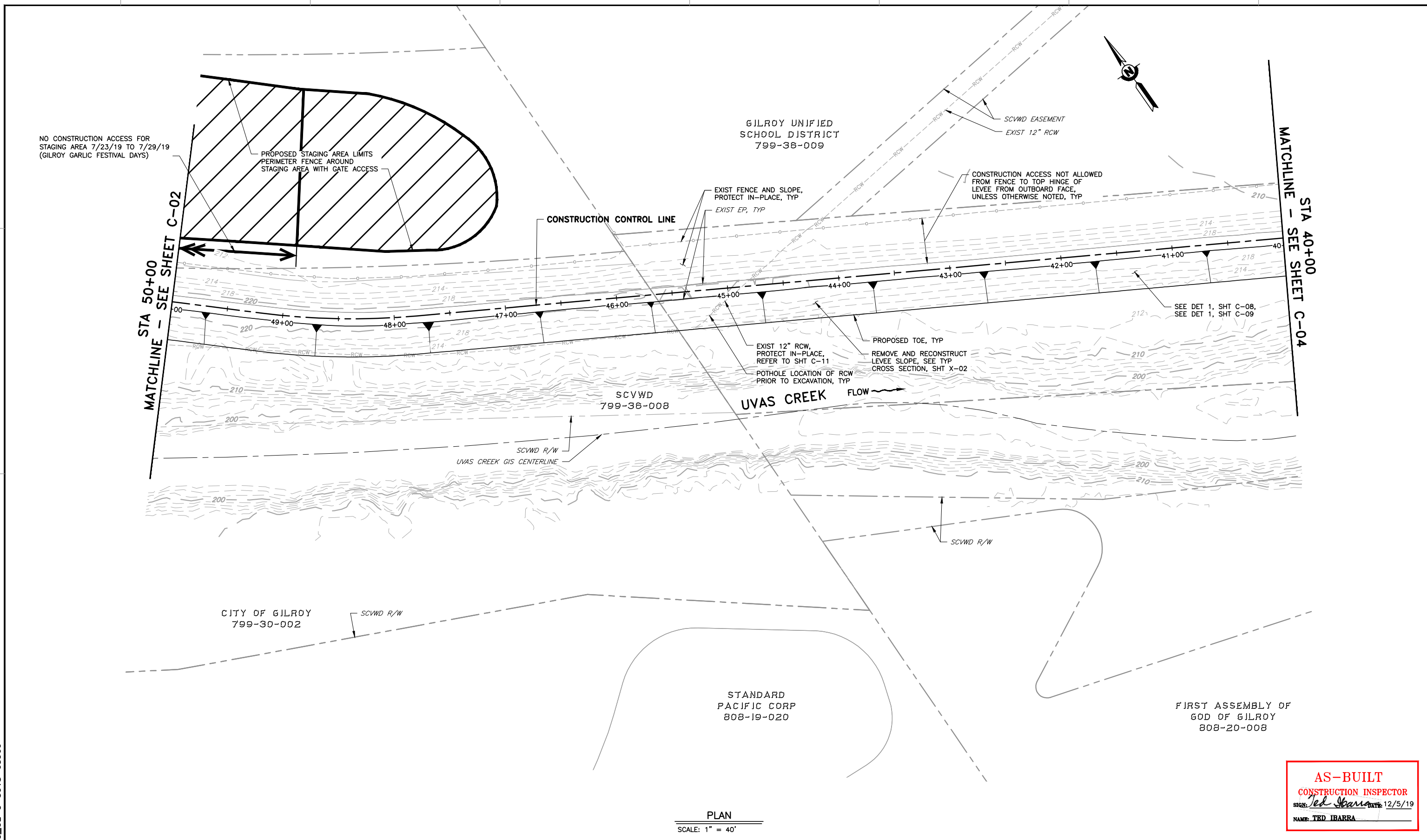
AS-BUILT
 CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
1	AS-BUILT	12/19	TI	1. REFER TO SHEET C-12 FOR AC REHABILITATION. 2. PER SPECS SECTION 16, CONTRACTOR SHALL ALLOW ACCESS TO HALF OF TRAIL DURING NON-CONSTRUCTION HOURS. 3. CONTRACTOR CAN CREATE TEMPORARY ACCESS RAMPS FROM STAGING AREA, BUT MUST RESTORE OUTBOARD SLOPE AND STAGING AREA TO PRE-CONSTRUCTION CONDITIONS OR BETTER.	4/5/2019	DESIGN T. IBARRA DRAWN S. KAROGLU CHECKED R. NARSIM	WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2 PLAN STA 60+00 TO 50+00	AS SHOWN	62084001
								VERIFY SCALES 0 1"	SHEET CODE: C-02 SHEET NUMBER: 19 OF 32



USERNAME: JENNIFORD 12/5/2019 12:33 PM
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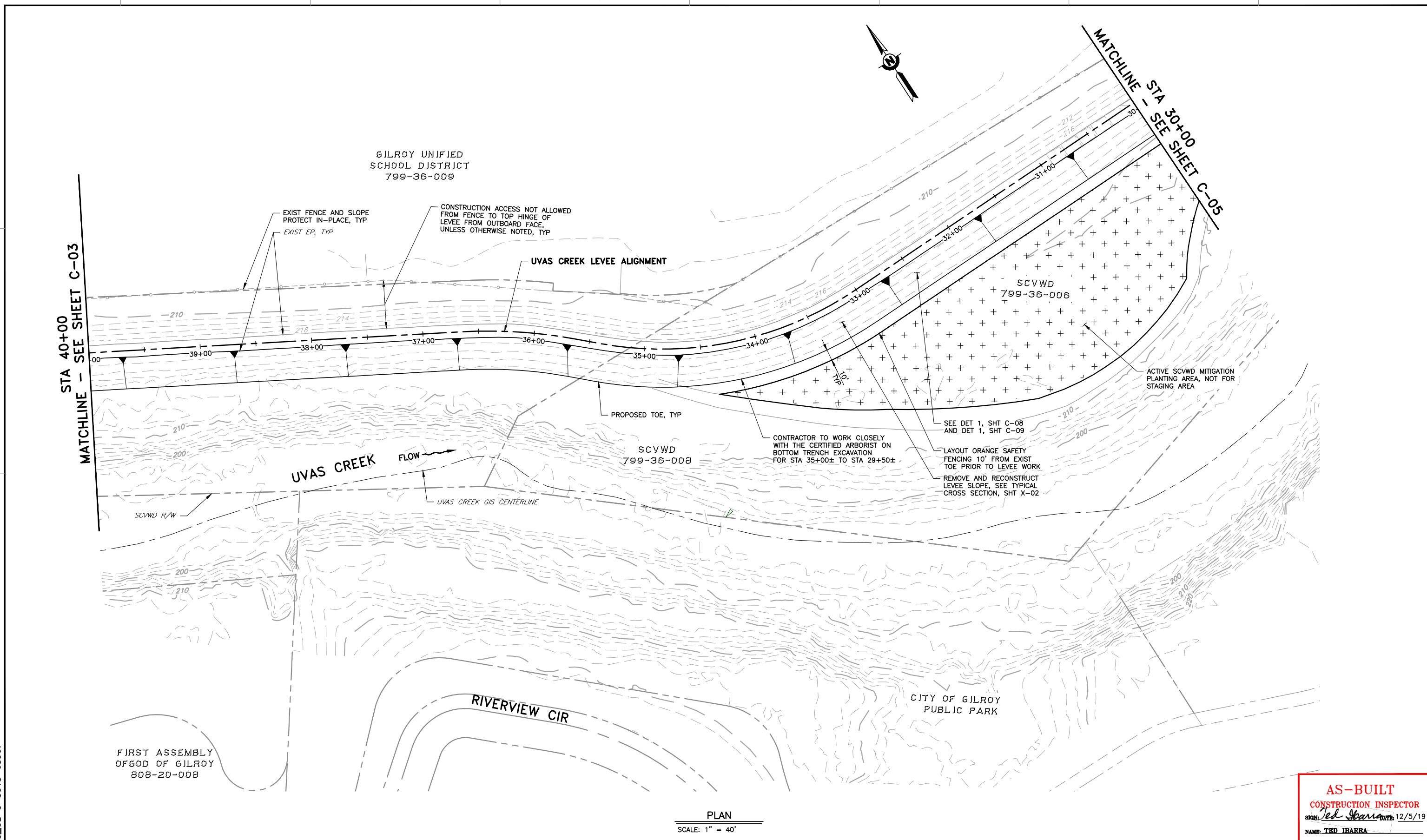
DOCUMENT NUMBER: UVC_UL-C-5018-63966



AS-BUILT
CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER	
1	AS-BUILT	12/19	TI	1. REFER TO SHEET C-12 FOR AC REHABILITATION. 2. PER SPECS SECTION 16, CONTRACTOR SHALL ALLOW ACCESS TO HALF OF TRAIL DURING NON-CONSTRUCTION HOURS. 3. CONTRACTOR CAN CREATE TEMPORARY ACCESS RAMPS FROM STAGING AREA, BUT MUST RESTORE OUTBOARD SLOPE AND STAGING AREA TO PRE-CONSTRUCTION CONDITIONS OR BETTER.	4/5/2019	T. IBARRA DRAWN S. KAROGLU CHECKED R. NARSIM	WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2 PLAN STA 50+00 TO 40+00	AS SHOWN	62084001	
									VERIFY SCALES 0 1"	SHEET CODE: C-03 SHEET NUMBER: 20 OF 32

USERNAME: JENNIFORD 12/5/2019 12:33 PM
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 DOCUMENT NUMBER: UVC_UL-C-5018-63967



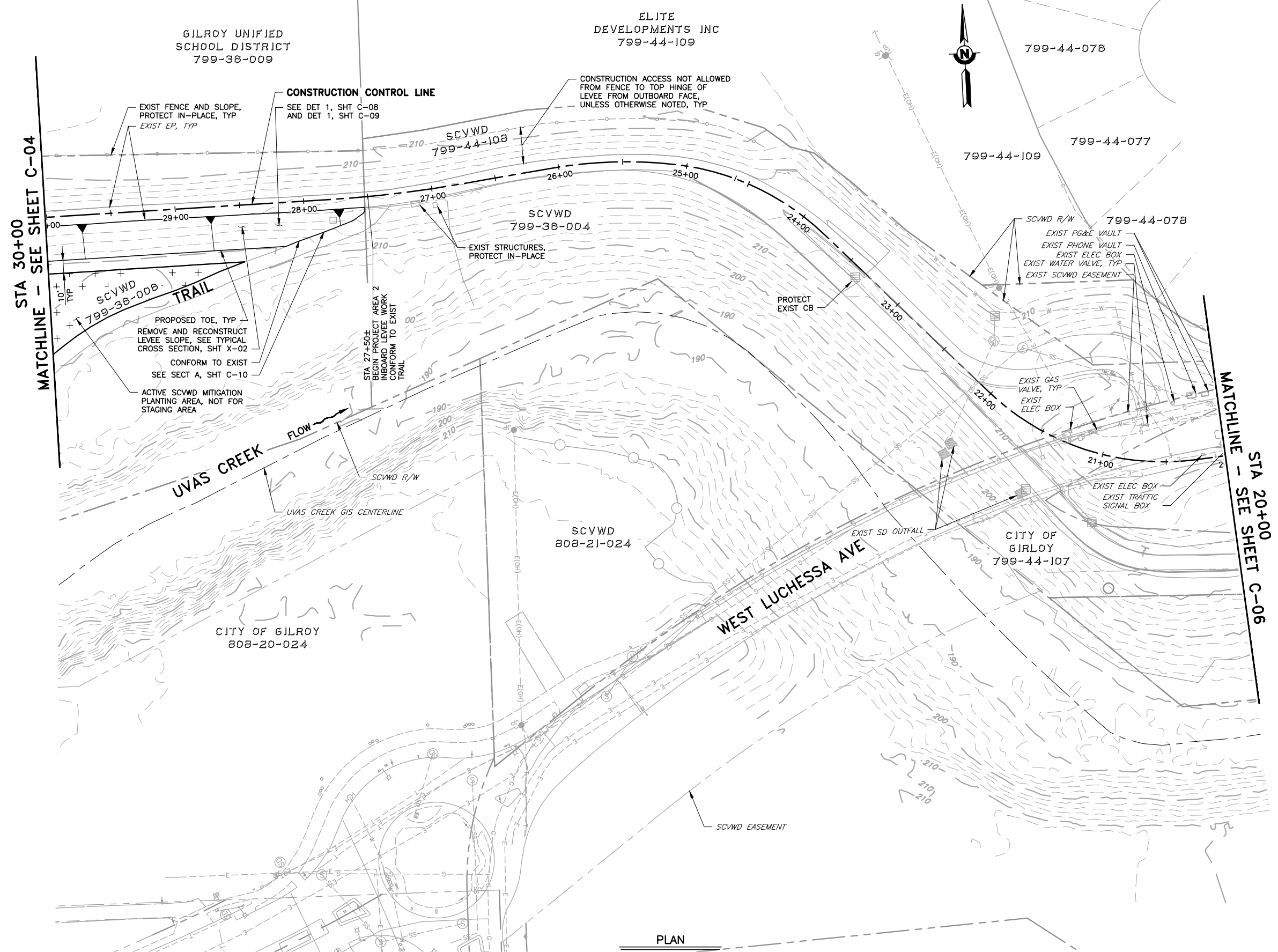
PLAN
 SCALE: 1" = 40'

AS-BUILT
 CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
1	AS-BUILT	12/19	TI	1. REFER TO SHEET C-12 FOR AC REHABILITATION. 2. PER SPECS SECTION 16, CONTRACTOR SHALL ALLOW ACCESS TO HALF OF TRAIL DURING NON-CONSTRUCTION HOURS.	4/5/2019		WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2 PLAN STA 40+00 TO 30+00	AS SHOWN	62084001
								VERIFY SCALES 0 1"	SHEET CODE: C-04
								BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET NUMBER: 21 OF 32

USERNAME: JENNIFORD 12/5/2019 12:33 PM
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DOCUMENT NUMBER: UVC_UL-C-5018-63968



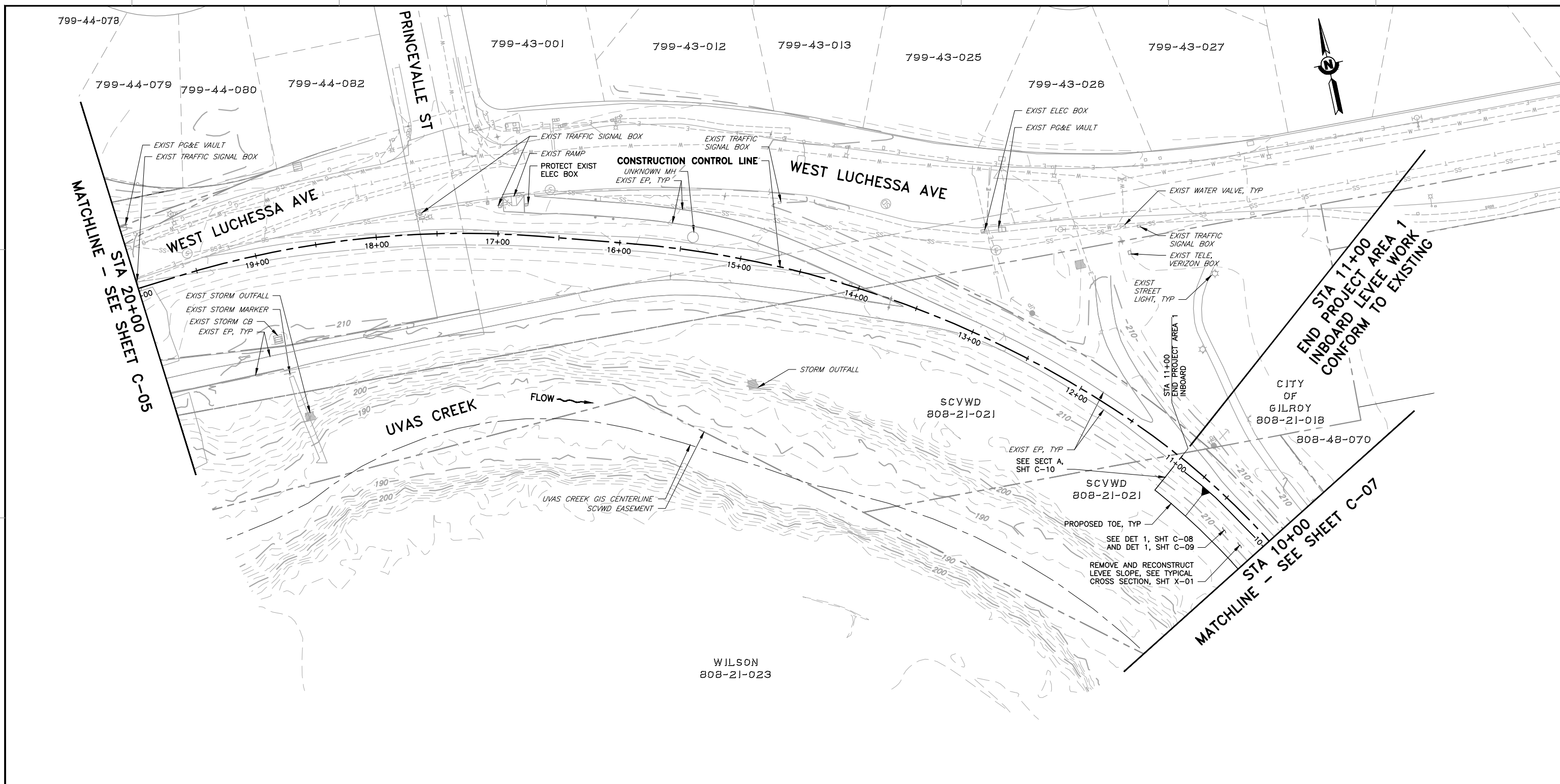
PLAN
 SCALE: 1" = 40'

AS-BUILT
CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER	
1	AS-BUILT	12/19	TI	1. REFER TO SHEET C-12 FOR AC REHABILITATION. 2. PER SPECS SECTION 16, CONTRACTOR SHALL ALLOW ACCESS TO HALF OF TRAIL DURING NON-CONSTRUCTION HOURS. 3. FROM STA 27+50± TO STA 21+50 CONSTRUCTION IS ONLY FOR TRAIL ASPHALT SURFACE REHABILITATION.	4/5/2019	T. IBARRA S. KAROGLU R. NARSIM	WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2 PLAN STA 30+00 TO 20+00	AS SHOWN	62084001	
									VERIFY SCALES 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-05 SHEET NUMBER: 22 OF 32

USERNAME: JENNIFORD 12/5/2019 12:34 PM
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DOCUMENT NUMBER: UVC_UL-C-5018-63969



PLAN
 SCALE: 1" = 40'

AS-BUILT
CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR
1	AS-BUILT	12/19	TI

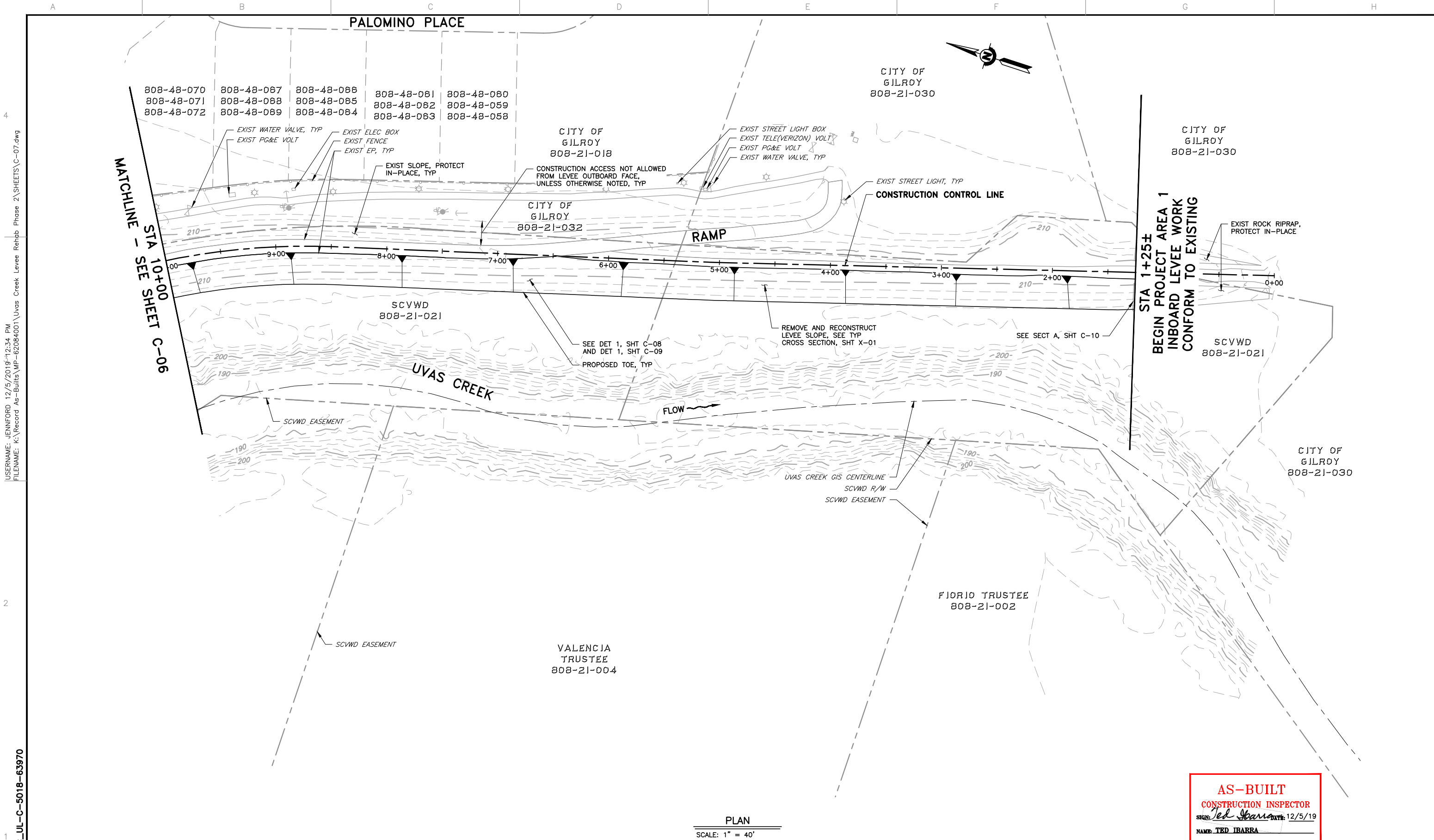
REFERENCE INFORMATION AND NOTES
 1. REFER TO SHEET C-12 FOR AC REHABILITATION.
 2. PER SPECS SECTION 16, CONTRACTOR SHALL ALLOW ACCESS TO HALF OF TRAIL DURING NON-CONSTRUCTION HOURS.

DATE: 4/5/2019
 DESIGN: T. IBARRA
 DRAWN: S. KAROGLU
 CHECKED: R. NARSIM
 PROJECT ENGINEER DATE



PROJECT NAME AND SHEET DESCRIPTION:
WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2
 PLAN
 STA 20+00 TO 10+00

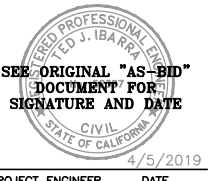
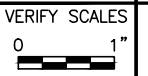
SCALE: AS SHOWN	PROJECT NUMBER: 62084001
VERIFY SCALES: 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET CODE: C-06
	SHEET NUMBER: 23 OF 32



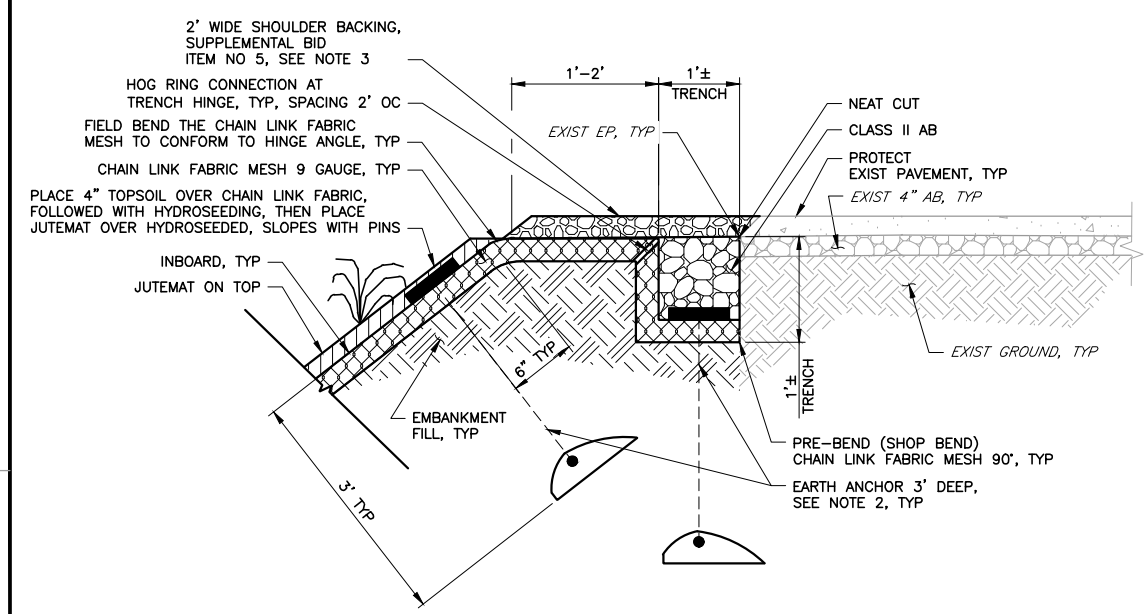
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 DOCUMENT NUMBER: UVC_UL-C-5018-63970

PLAN
 SCALE: 1" = 40'

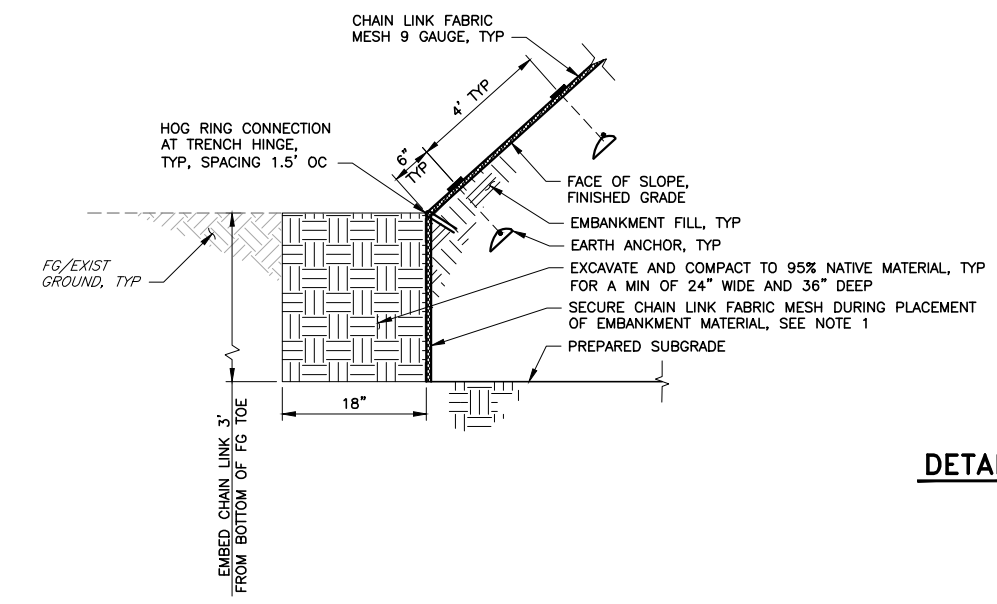
AS-BUILT
 CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
1	AS-BUILT	12/19	TI	1. REFER TO SHEET C-12 FOR AC REHABILITATION. 2. PER SPECS SECTION 16, CONTRACTOR SHALL ALLOW ACCESS TO HALF OF TRAIL DURING NON-CONSTRUCTION HOURS.	4/5/2019	 SEE ORIGINAL "AS-BID" DOCUMENT FOR SIGNATURE AND DATE T. IBARRA S. KAROGLU R. NARSIM	WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2 PLAN STA 10+00 TO 0+00	AS SHOWN VERIFY SCALES  BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	62084001 SHEET CODE: C-07 SHEET NUMBER: 24 OF 32

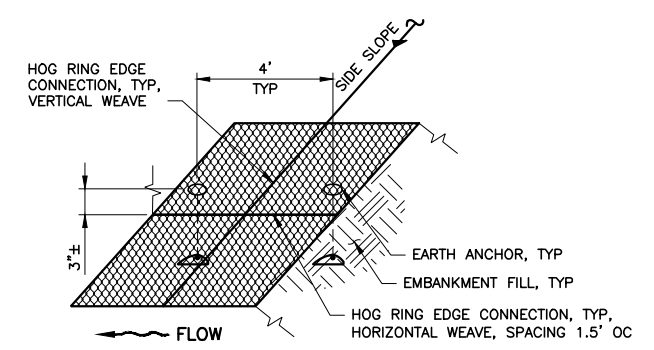
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 DOCUMENT NUMBER: UVC_UL-C-5018-63971



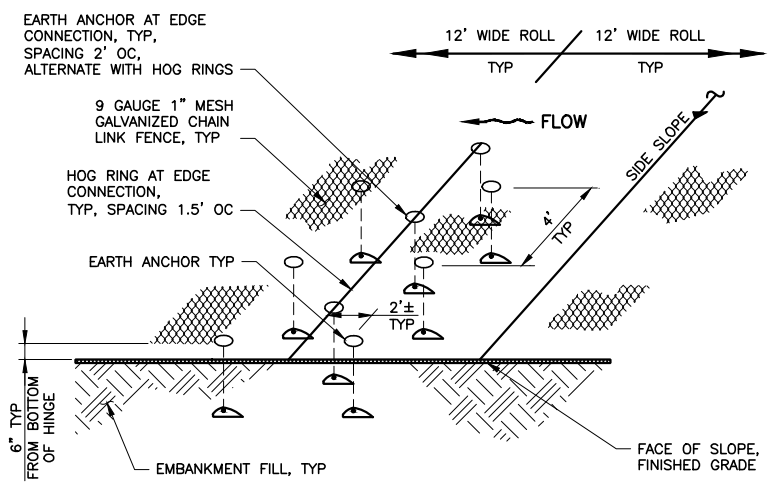
DETAIL 1
 TOP TRENCH DETAIL @ HINGE
 STA 1+25± TO STA 11+00± PROJECT AREA 1
 STA 27+50± TO STA 58+25± PROJECT AREA 2
 LOOKING U/S
 SCALE: NTS



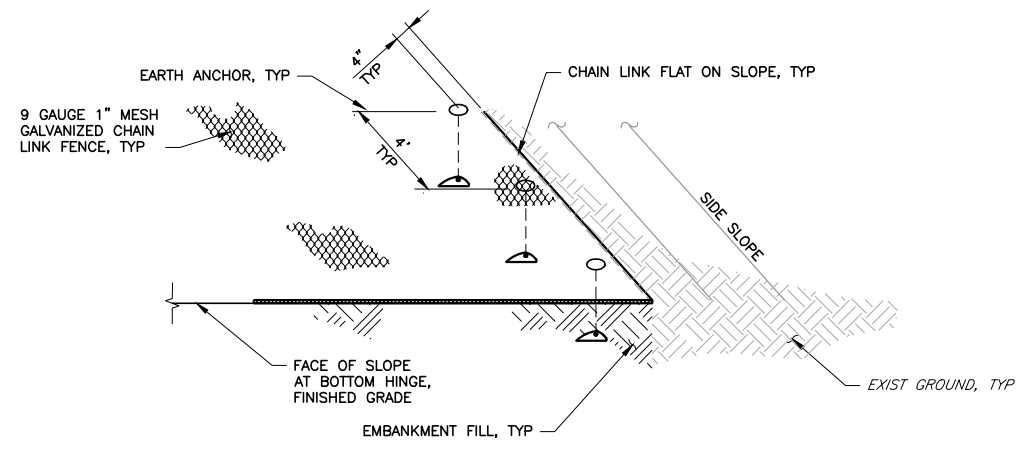
DETAIL 2
 CHAIN LINK AT TOE OF SLOPE
 & CHAIN LINK EMBEDMENT DETAIL
 STA 1+25± TO STA 11+00± PROJECT AREA 1
 STA 27+50± TO STA 58+25± PROJECT AREA 2
 SCALE: NTS



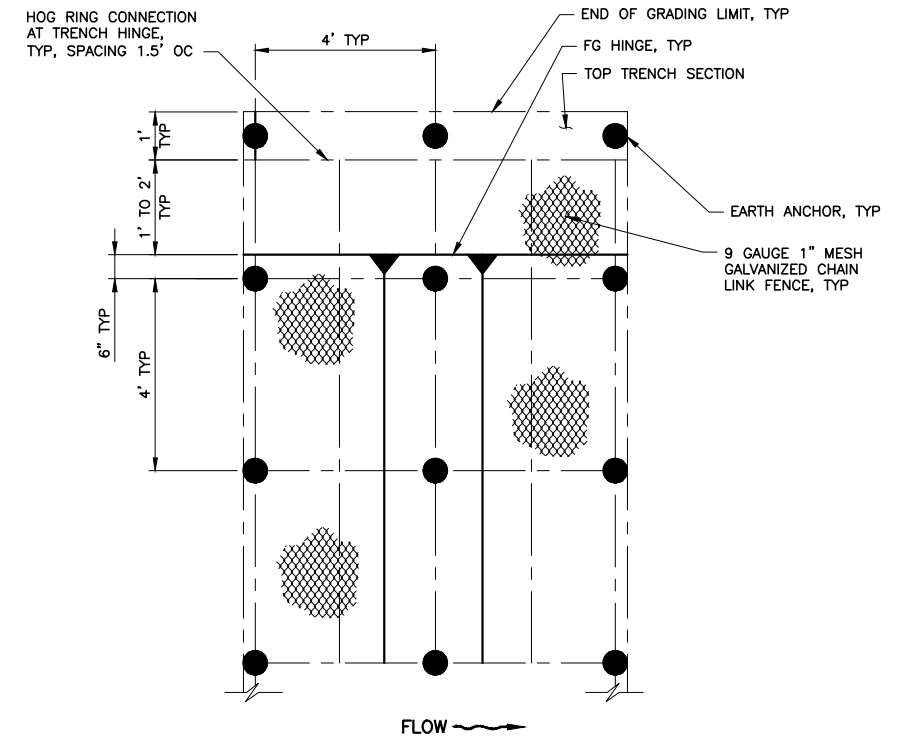
DETAIL 3
 HORIZONTAL & VERTICAL WEAVE CHAIN LINK
 CONNECTION ONLY PARTIAL LAP DISTANCE SHOWN
 SCALE: NTS



DETAIL 4
 SLOPE FACE CHAIN LINK - HOG RING CONNECTION
 ONLY PARTIAL LAP DISTANCE SHOWN
 SCALE: NTS



DETAIL 5
 SLOPE LENGTH TRANSITION TO EARTH
 ONLY PARTIAL TRANSITION DISTANCE SHOWN
 SCALE: NTS

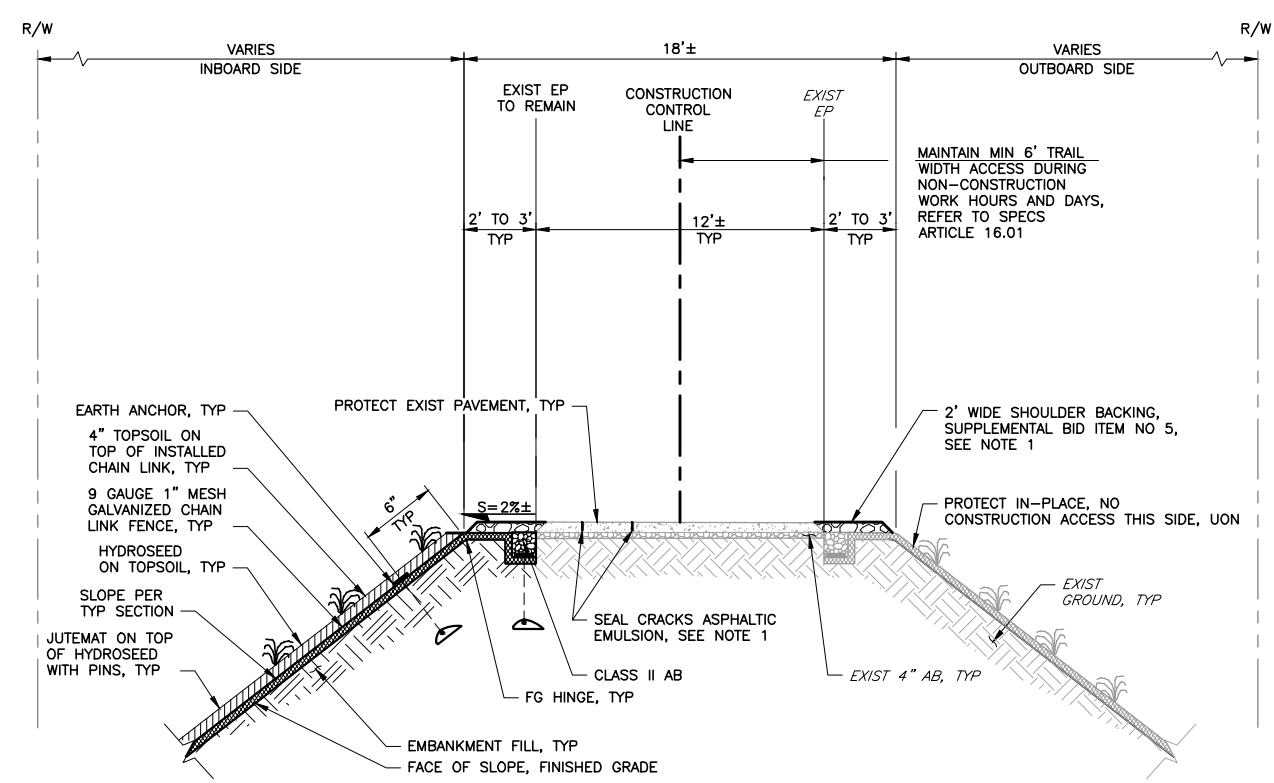


DETAIL 6
 SLOPE FACE EARTH ANCHOR PATTERN
 ONLY PARTIAL PATTERN SHOWN
 SCALE: NTS

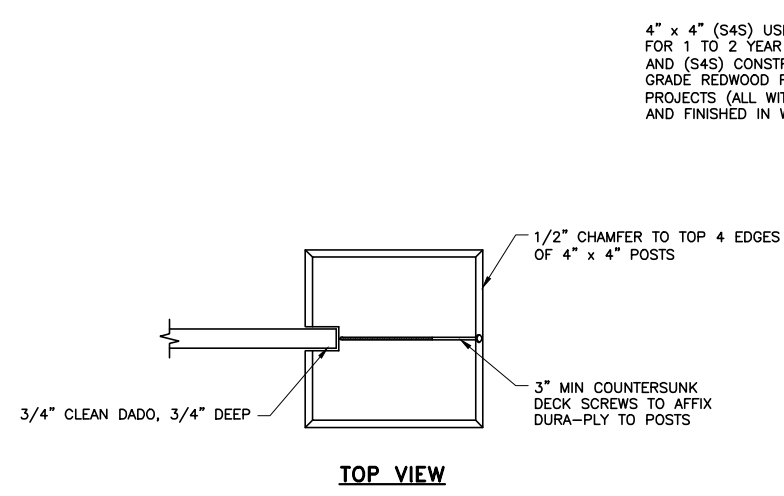
AS-BUILT
 CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
AB	1. AS-BUILT	12/19	TI	1. CHAIN LINK FABRIC MESH MAY REQUIRE THE USE OF PINS/STAPLES AS PART OF THE EARTH ANCHOR INSTALLATION. 2. CONTRACTOR SHALL PERFORM CONSISTENT AND UNIFORM TENSION FOR ALL ANCHORS. 3. REFER TO SHEET C-12 FOR AC REHABILITATION.	4/5/2019	T. IBARRA S. KAROGLU R. NARSIM	WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2 CHAIN LINK INSTALLATION DETAILS	AS SHOWN	62084001
								VERIFY SCALES 0 1"	SHEET CODE: AB C-08 SHEET NUMBER: 25 OF 32

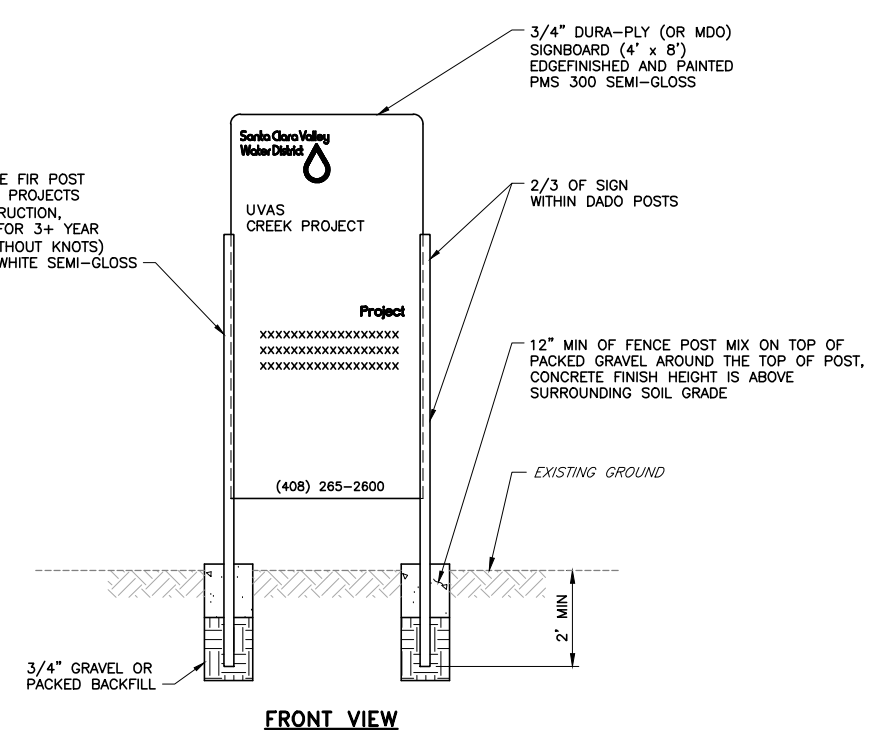
USERNAME: JENNIFORD 12/5/2019 12:34 PM
 FILENAME: K:\Record As-Built\MP-62084001\Uvas Creek Levee Rehab Phase 2\SHEETS\C-09.dwg



DETAIL 1
TOP OF LEVEE REACH DETAIL
 STA 1+25± TO STA 11+00± PROJECT AREA 1
 STA 27+50± TO STA 58+25± PROJECT AREA 2
 LOOKING U/S
 SCALE: NTS



- NOTES:**
1. FOR SIGN LOCATIONS, SEE TRAFFIC HANDLING PLAN SHEET TC-01.
 2. CONTRACTOR TO MAINTAIN INSTALLED DISTRICT FURNISHED SIGNS, SEE SPECIFICATIONS.



DETAIL 2
ST-221 PROJECT SIGN
 TYP SCALE: NTS

DOCUMENT NUMBER: UVC_UL-C-5018-63972

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES
AB	1. AS-BUILT	12/19	TI	1. REFER TO SHEET C-12 FOR AC REHABILITATION.

DATE	4/5/2019
DESIGN	T. IBARRA
DRAWN	S. KAROGLU
CHECKED	R. NARSIM
PROJECT ENGINEER	DATE



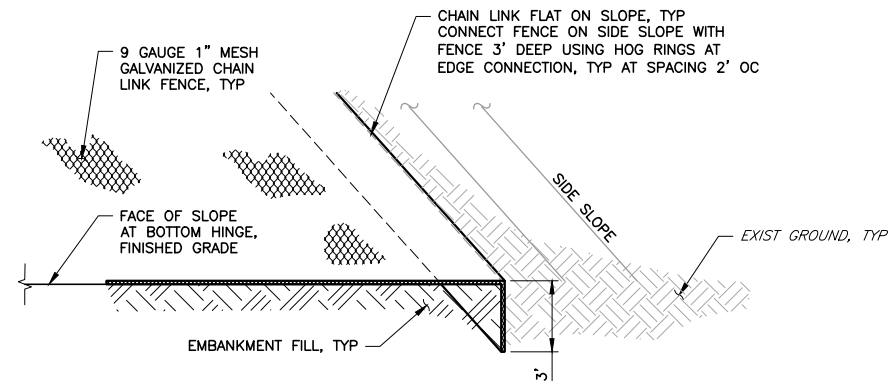
PROJECT NAME AND SHEET DESCRIPTION:
WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2
 CHAIN LINK INSTALLATION AND MISCELLANEOUS DETAILS

SCALE: AS SHOWN
 VERIFY SCALES: 0 1" (Scale bar showing 0 to 1 inch)
 BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: **62084001**
 SHEET CODE: **C-09**
 SHEET NUMBER: 26 OF 32

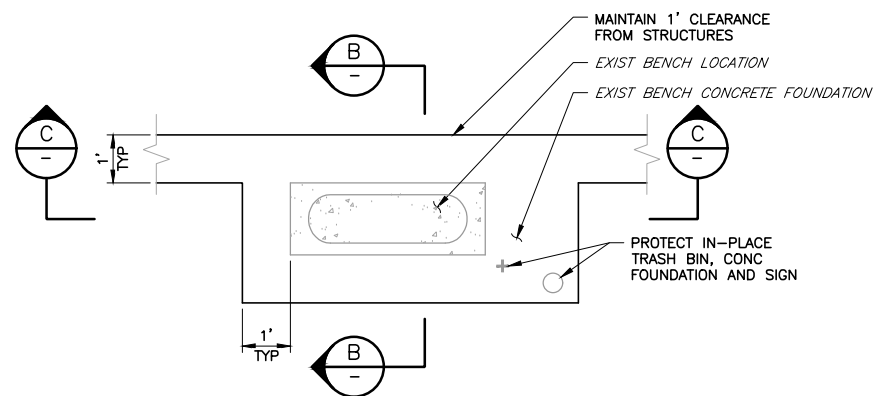
AS-BUILT
CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: **TED IBARRA**

USERNAME: JENNIFORD 12/5/2019 12:34 PM
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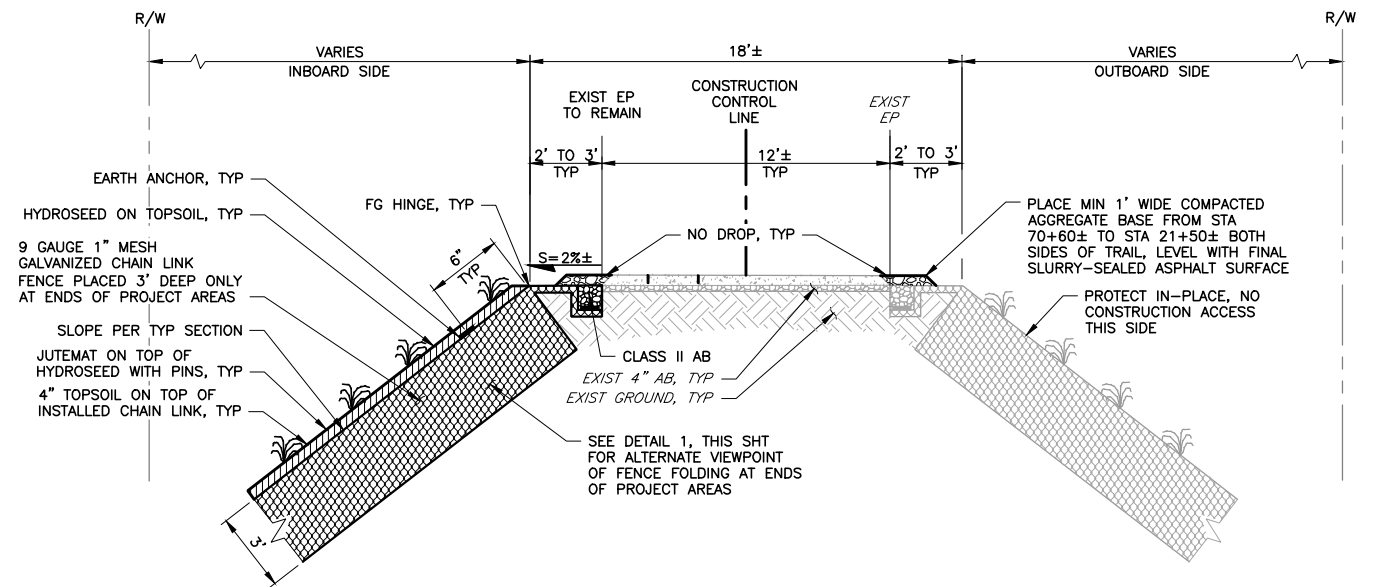


NOTE:
 1. THIS DETAIL APPLIES TO BOTH UPSTREAM AND DOWNSTREAM LIMITS OF THE PROJECT. TERMINATION OF THE CHAIN LINK FABRIC CAN BE MODIFIED AT THE DISCRETION OF THE DESIGN ENGINEER.

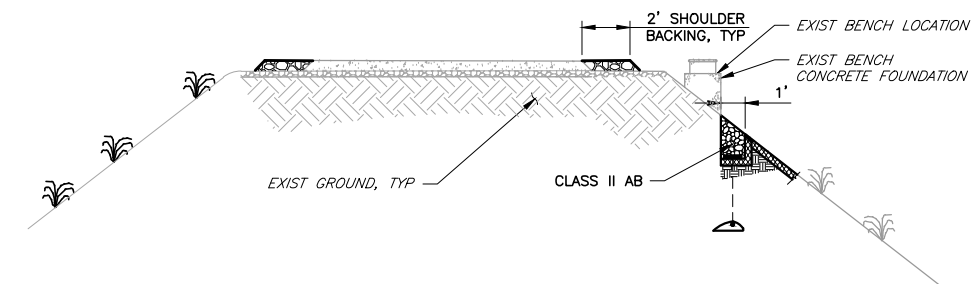
DETAIL 1 SLOPE LENGTH TRANSITION TO EARTH
 ONLY PARTIAL TRANSITION DISTANCE SHOWN
 SCALE: NTS



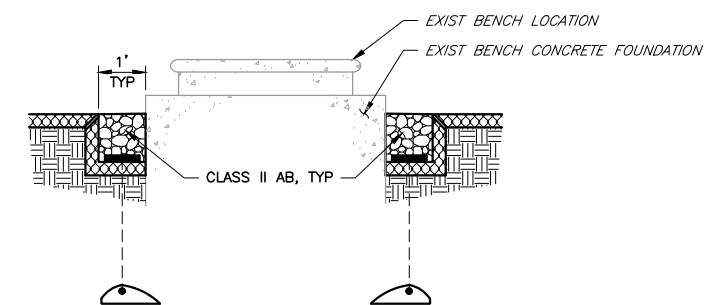
DETAIL 2 BENCH WORKAROUND DETAIL
 STA 53+45±
 SCALE: NTS



SECTION A END OF LEVEE REACH DETAIL
 STA 1+25± AND STA 11+00± PROJECT AREA 1
 STA 27+50± AND STA 58+25± PROJECT AREA 2
 SCALE: NTS



SECTION B BENCH WORKAROUND
 STA 53+45±
 SCALE: NTS



SECTION C BENCH WORKAROUND
 STA 53+45±
 SCALE: NTS

AS-BUILT
 CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

DOCUMENT NUMBER: UVC_UL-C-5018-63973

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES
AB	1. AS-BUILT	12/19	TI	

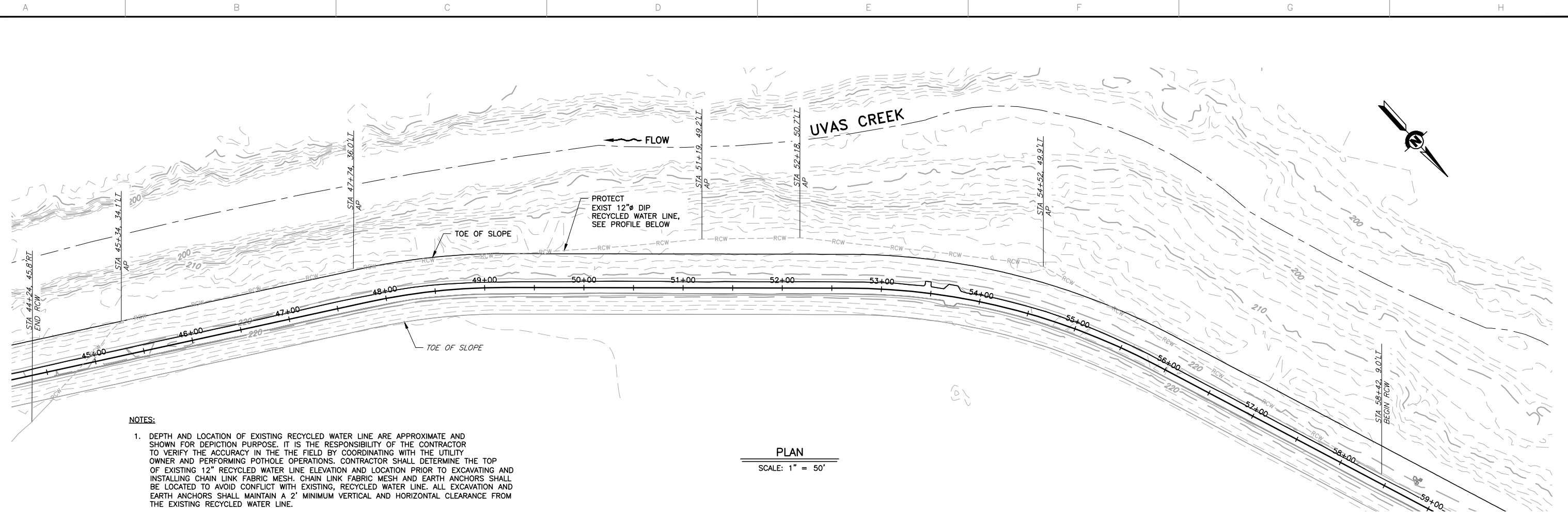
DATE	ENGINEERING CERTIFICATION
4/5/2019	TED J. IBARRA
DESIGN	T. IBARRA
DRAWN	S. KAROGLU
CHECKED	R. NARSIM
PROJECT ENGINEER	DATE



PROJECT NAME AND SHEET DESCRIPTION:
WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2 CHAIN LINK INSTALLATION AND MISCELLANEOUS DETAILS AND SECTIONS

SCALE	PROJECT NUMBER
AS SHOWN	62084001
VERIFY SCALES	SHEET CODE: AB
0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	C-10
	SHEET NUMBER: 27 OF 32

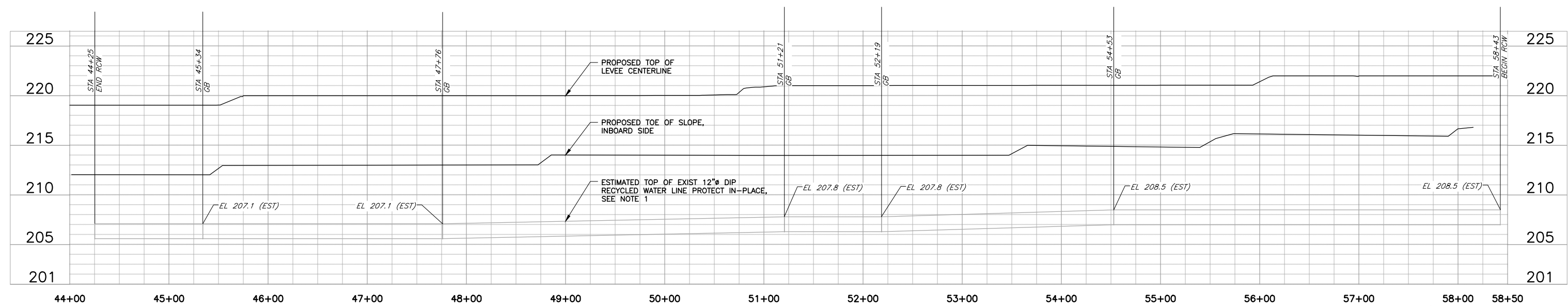
USERNAME: JENNIFORD 12/5/2019 12:35 PM
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NOTES:

1. DEPTH AND LOCATION OF EXISTING RECYCLED WATER LINE ARE APPROXIMATE AND SHOWN FOR DEPICTION PURPOSE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACCURACY IN THE FIELD BY COORDINATING WITH THE UTILITY OWNER AND PERFORMING POTHOLE OPERATIONS. CONTRACTOR SHALL DETERMINE THE TOP OF EXISTING 12" RECYCLED WATER LINE ELEVATION AND LOCATION PRIOR TO EXCAVATING AND INSTALLING CHAIN LINK FABRIC MESH. CHAIN LINK FABRIC MESH AND EARTH ANCHORS SHALL BE LOCATED TO AVOID CONFLICT WITH EXISTING, RECYCLED WATER LINE. ALL EXCAVATION AND EARTH ANCHORS SHALL MAINTAIN A 2' MINIMUM VERTICAL AND HORIZONTAL CLEARANCE FROM THE EXISTING RECYCLED WATER LINE.
2. THE CONTRACTOR SHALL PROTECT THE EXISTING RECYCLED WATER LINE IN PLACE AND PROVIDE A MINIMUM 2' OF COVER DURING EXCAVATION AND BENCHING.

PLAN
 SCALE: 1" = 50'



PROFILE
 HORIZ: 1" = 50'
 VERT: 1" = 5'

AS-BUILT
 CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

DOCUMENT NUMBER: UVC_UL-C-5018-63974

REV	DESCRIPTION	DATE	APPR
1	AS-BUILT	12/19	TI

REFERENCE INFORMATION AND NOTES
 1. CONTRACTOR TO POT HOLE PRIOR TO EXCAVATION. MAINTAIN 2 FEET CLEARANCE ABOVE RECYCLED WATER LINE DURING EXCAVATION.

DATE: 4/5/2019
 DESIGN: T. IBARRA
 DRAWN: S. KAROGLU
 CHECKED: R. NARSIM
 PROJECT ENGINEER DATE

ENGINEERING CERTIFICATION
 SEE ORIGINAL "AS-BID" DOCUMENT FOR SIGNATURE AND DATE
 CIVIL ENGINEER
 4/5/2019



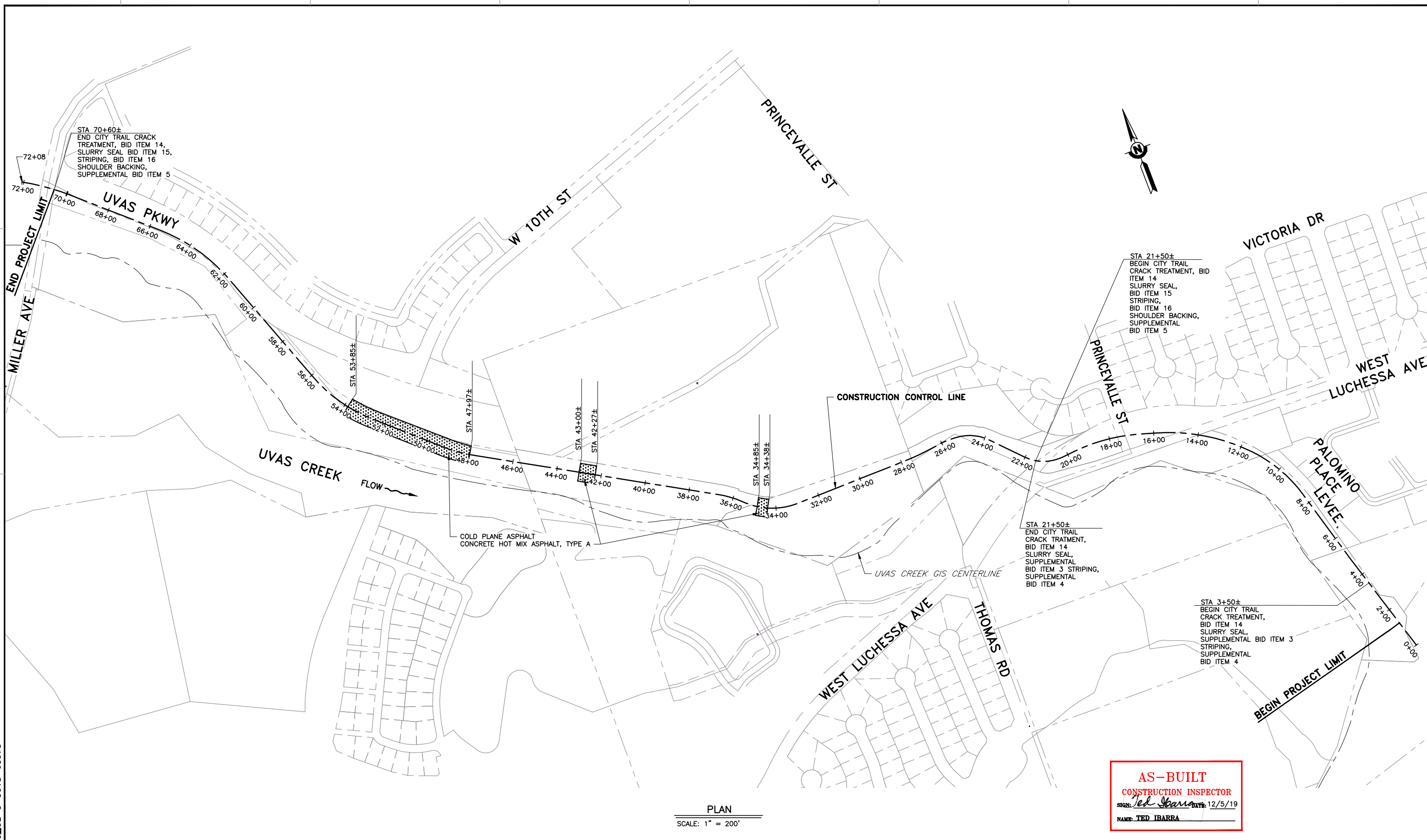
PROJECT NAME AND SHEET DESCRIPTION:
WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2
 PLAN AND PROFILE
 EXISTING RECYCLED WATER LINE

SCALE: AS SHOWN
 VERIFY SCALES: 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 62084001
 SHEET CODE: C-11
 SHEET NUMBER: 28 OF 32

USERNAME: JENNIFORD 12/5/2019 12:35 PM
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DOCUMENT NUMBER: UVC_UL-C-5018-63975



AS-BUILT
CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

PLAN
 SCALE: 1" = 200'

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES	DATE	ENGINEERING CERTIFICATION	PROJECT NAME AND SHEET DESCRIPTION:	SCALE	PROJECT NUMBER
△ AB	1. AS-BUILT	12/19	TI	1. AC REHABILITATION PLAN IS BASED ON PRE-CONSTRUCTION CONDITIONS. CONTRACTOR'S ADDITIONAL IMPACTS TO TRAIL SHALL BE REPAIRED AND PAID BY CONTRACTOR. 2. FINAL AC TRAIL REHABILITATION IS BASED ON "FULL AC TRAIL REPLACEMENT" FROM STA 70+50 TO STA 24+50 AND "AC TRAIL REPAIR WITH SLURRY SEAL" FROM STA 24+50 TO STA 4+00. 3. DUE TO "FULL AC TRAIL REPLACEMENT" FROM STA 70+50 TO STA 24+50, ULTIMATE LEVEE HEIGHT INCREASED BY APPROXIMATELY 2.5 INCHES, COMPARED TO 1989 CORPS-BUILT LEVEE.	4/5/2019	T. IBARRA DESIGN S. KAROGLU DRAWN R. NARSIM CHECKED PROJECT ENGINEER	WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2 TRAIL ASPHALT SURFACE REHABILITATION	AS SHOWN	62084001
								VERIFY SCALES 0 1"	SHEET CODE: △ AB C-12 SHEET NUMBER: 29 OF 32

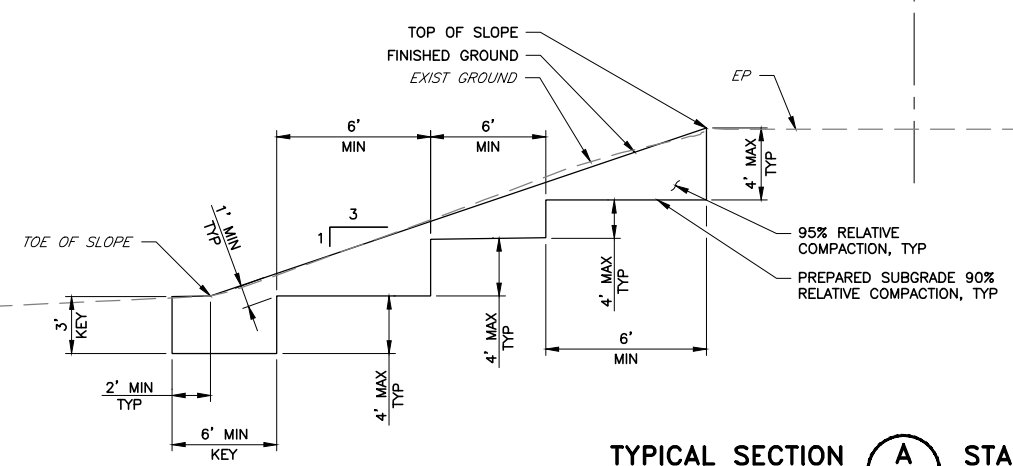


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DOCUMENT NUMBER: UVC_UL-X-5018-63976

UVAS CREEK
 INBOARD SIDE

OUTBOARD SIDE



TYPICAL SECTION **A** STA 1+25± TO STA 11+00±
 PROJECT AREA 1
 SCALE: NTS

AS-BUILT
 CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR
△ AB	1. AS-BUILT	12/19	TI

REFERENCE INFORMATION AND NOTES
 1. CONTRACTOR SHALL RE-CONSTRUCT TOE OF LEVEE TO PRE-CONSTRUCTION ELEVATION/LEVEL CONDITIONS, TO PREVENT DRAINAGE IMPACTS.
 2. SECTIONS ARE VIEWED LOOKING UPSTREAM.

DATE	ENGINEERING CERTIFICATION
4/5/2019	
DESIGN	
T. IBARRA	
DRAWN	
S. KAROGLU	SEE ORIGINAL "AS-BID" DOCUMENT FOR SIGNATURE AND DATE CIVIL ENGINEER STATE OF CALIFORNIA 4/5/2019
CHECKED	
R. NARSIM	PROJECT ENGINEER DATE



PROJECT NAME AND SHEET DESCRIPTION:
WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2
 TYPICAL CROSS SECTION

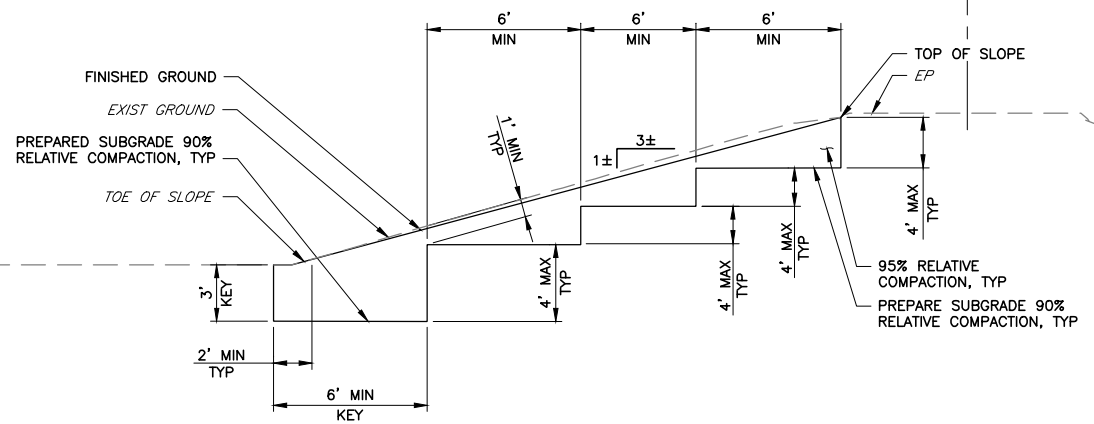
SCALE	PROJECT NUMBER
AS SHOWN	62084001
VERIFY SCALES	SHEET CODE: △ AB
	X-01
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	SHEET NUMBER: 30 OF 32

USERNAME: JENNIFORD 12/5/2019 12:35 PM
 FILENAME: K:\Record As-Built\MP-62084001\Uvas Creek Levee Rehab Phase 2\SHEETS\X-02.dwg

DOCUMENT NUMBER: UVC_UL-X-5018-63977

UVAS CREEK
 INBOARD SIDE

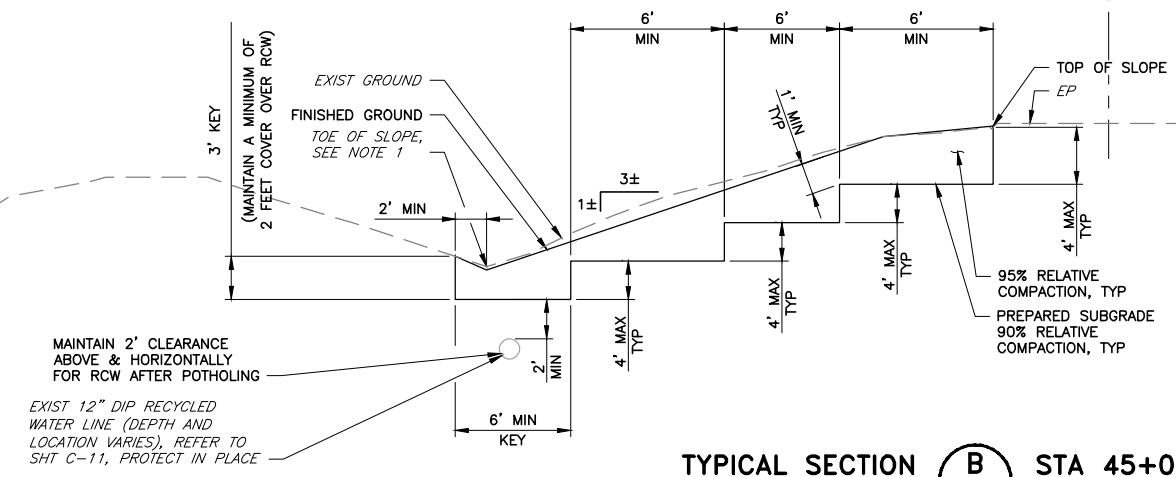
OUTBOARD SIDE



TYPICAL SECTION C STA 27+50± TO STA 45+00±
 PROJECT AREA 2
 SCALE: NTS

UVAS CREEK
 INBOARD SIDE

OUTBOARD SIDE



TYPICAL SECTION B STA 45+00± TO STA 58+25±
 PROJECT AREA 2
 SCALE: NTS

AS-BUILT
 CONSTRUCTION INSPECTOR
 SIGN: *Ted Ibarra* DATE: 12/5/19
 NAME: TED IBARRA

REV	DESCRIPTION	DATE	APPR
1	AS-BUILT	12/19	TI

REFERENCE INFORMATION AND NOTES

- CONTRACTOR SHALL RE-CONSTRUCT TOE OF LEVEE TO PRE-CONSTRUCTION ELEVATION/LEVEL CONDITIONS, TO PREVENT DRAINAGE IMPACTS.
- SECTIONS ARE VIEWED LOOKING UPSTREAM.

DATE: 4/5/2019
 DESIGN: T. IBARRA
 DRAWN: S. KAROGLU
 CHECKED: R. NARSIM
 PROJECT ENGINEER DATE



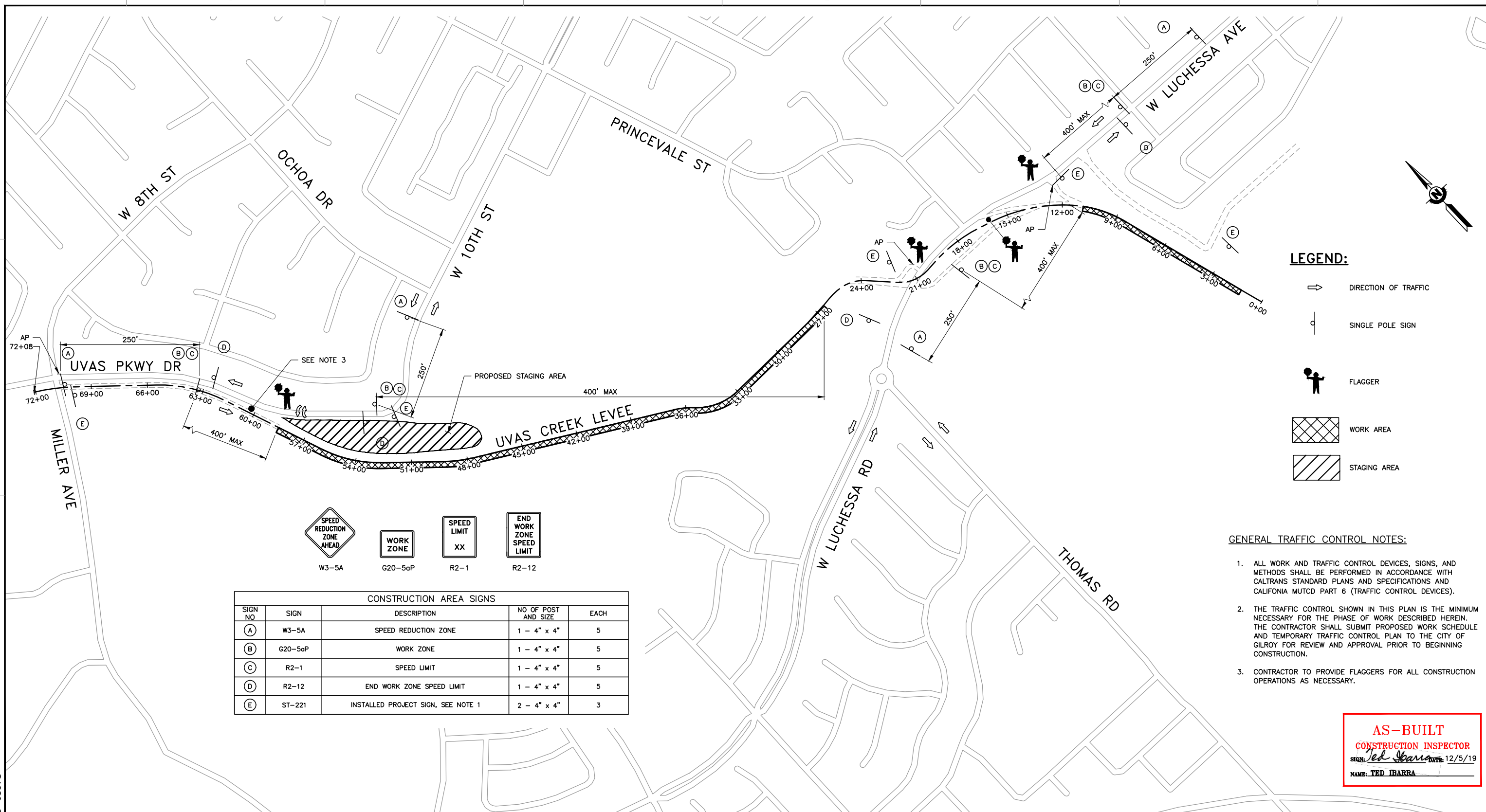
PROJECT NAME AND SHEET DESCRIPTION:
WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2

SCALE: AS SHOWN
 VERIFY SCALES: 0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 62084001
 SHEET CODE: X-02
 SHEET NUMBER: 31 OF 32

TYPICAL CROSS SECTIONS

USERNAME: JENNIFORD 12/5/2019 12:35 PM
 FILENAME: K:\Record As-Built\MP-62084001\Uvas Creek Levee Rehab TC-01.dwg
 DOCUMENT NUMBER: UVC_UL-TC-5018-63978



- LEGEND:**
- DIRECTION OF TRAFFIC
 - SINGLE POLE SIGN
 - FLAGGER
 - WORK AREA
 - STAGING AREA

- GENERAL TRAFFIC CONTROL NOTES:**
1. ALL WORK AND TRAFFIC CONTROL DEVICES, SIGNS, AND METHODS SHALL BE PERFORMED IN ACCORDANCE WITH CALTRANS STANDARD PLANS AND SPECIFICATIONS AND CALIFORNIA MUTCD PART 6 (TRAFFIC CONTROL DEVICES).
 2. THE TRAFFIC CONTROL SHOWN IN THIS PLAN IS THE MINIMUM NECESSARY FOR THE PHASE OF WORK DESCRIBED HEREIN. THE CONTRACTOR SHALL SUBMIT PROPOSED WORK SCHEDULE AND TEMPORARY TRAFFIC CONTROL PLAN TO THE CITY OF GILROY FOR REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
 3. CONTRACTOR TO PROVIDE FLAGGERS FOR ALL CONSTRUCTION OPERATIONS AS NECESSARY.

CONSTRUCTION AREA SIGNS				
SIGN NO	SIGN	DESCRIPTION	NO OF POST AND SIZE	EACH
(A)	W3-5A	SPEED REDUCTION ZONE	1 - 4" x 4"	5
(B)	G20-5aP	WORK ZONE	1 - 4" x 4"	5
(C)	R2-1	SPEED LIMIT	1 - 4" x 4"	5
(D)	R2-12	END WORK ZONE SPEED LIMIT	1 - 4" x 4"	5
(E)	ST-221	INSTALLED PROJECT SIGN, SEE NOTE 1	2 - 4" x 4"	3

AS-BUILT
 CONSTRUCTION INSPECTOR
 SIGN: *Ted J. Barra* DATE: 12/5/19
 NAME: TED IBARRA

PLAN
 SCALE: 1" = 250'

REV AB	DESCRIPTION 1. AS-BUILT	DATE 12/19	APPR TI	REFERENCE INFORMATION AND NOTES 1. FOR PROJECT SIGN DETAILS, SEE DETAIL 2 ON SHEET C-09.	DATE 4/5/2019 DESIGN T. IBARRA DRAWN S.K. / A.A. CHECKED R. NARSIM	ENGINEERING CERTIFICATION T. IBARRA CIVIL ENGINEER DATE 4/5/2019		PROJECT NAME AND SHEET DESCRIPTION: WATERSHED ASSET REHABILITATION PROGRAM (WARP) UVAS CREEK LEVEE REHABILITATION PROJECT PHASE 2 TRAFFIC HANDLING PLAN	SCALE AS SHOWN VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	PROJECT NUMBER 62084001 SHEET CODE: TC-01 SHEET NUMBER: 32 OF 32
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