

Notice of Exemption

Appendix E

To: Office of Planning and Research
P.O. Box 3044, Room 113
Sacramento, CA 95812-3044

County Clerk

County of: Calaveras

891 Mountain Ranch Road, Building D

San Andreas, CA, 95249

From: (Public Agency): Calaveras County Water District
120 Toma Court, San Andreas, CA, 95249

(Address)

Project Title: Little John Force Main Project

Project Applicant: Calaveras County Water District (CCWD)

Project Location - Specific:

Shoulder of Little John Rd, APN 550-51-028, 550-51-057, Copper Valley Golf Course

Project Location - City: Copperopolis Project Location - County: Calaveras

Description of Nature, Purpose and Beneficiaries of Project:

CCWD proposes the installation of an approximately 27,000 ft long wastewater force main connecting the existing Copperopolis Town Square wastewater lift station with the existing lift station located south of Oak Creek Drive in the southeastern portion of the Copper Valley Specific Plan. CCWD also proposes upgrades to the existing Copperopolis Town Square wastewater lift station. The proposed project is needed to accommodate wastewater generated by approved residential development within the Copper Valley Specific Plan.

Name of Public Agency Approving Project: Calaveras County Water District

Name of Person or Agency Carrying Out Project: Calaveras County Water District

Exempt Status: **(check one):**

- ☐ Ministerial (Sec. 21080(b)(1); 15268);
- ☐ Declared Emergency (Sec. 21080(b)(3); 15269(a));
- ☐ Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
- ☒ Categorical Exemption. State type and section number: 15303(d)
- ☐ Statutory Exemptions. State code number: _____

Reasons why project is exempt:


The project will install a new wastewater force main to connect to existing lift stations. This would be considered an extension of the CCWD sewage system. The Class 3(d) Categorical Exemption, New Construction or Conversion of Small Structures exempts water main, sewage, electrical, gas, and other utility extensions from CEQA, unless the project is located in a sensitive environment. The project location is not in a sensitive environment.

Lead Agency

Contact Person: Kevin Williams Area Code/Telephone/Extension: 209-754-3184

If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? Yes No

Signature:  Date: 1/22/2025 Title: Senior Engineer

Signed by Lead Agency Signed by Applicant

Authority cited: Sections 21083 and 21110, Public Resources Code.
Reference: Sections 21108, 21152, and 21152.1, Public Resources Code.

Date Received for filing at OPR: _____



CEQA CATEGORICAL EXEMPTION MEMORANDUM

PREPARED FOR: Kevin Williams, Calaveras County Water District

PREPARED BY: Dewberry Engineers Inc., Abi Lloyd, Staff Environmental Scientist

DATE: January 17, 2025

SUBJECT: Little John Force Main Project – California Environmental Quality Act
Categorical Exemption Memorandum

1. Introduction

The Calaveras County Water District (CCWD), as the California Environmental Quality Act (CEQA) Lead Agency, proposes the Little John Force Main Project (proposed project), within the community of Copperopolis in unincorporated Calaveras County. CCWD proposes the installation of an approximately 27,000-foot-long wastewater force main connecting the existing Copperopolis Town Square wastewater lift station with the existing lift station located south of Oak Creek Drive in the southeastern portion of the Copper Valley Specific Plan (previously known as Saddle Creek Specific Plan). CCWD also proposes upgrades to the existing Copperopolis Town Square wastewater lift station. The proposed project is needed to accommodate wastewater generated by approved residential development within the Copper Valley Specific Plan which is anticipated to generate a wastewater flow rate of 120 gallons per minute.

This memorandum provides analysis supporting the proposed project's exempt status under CEQA through a Categorical Exemption (CE) under Class 3(d), New Construction or Conversion of Small Structures. A Notice of Exemption (NOE) along with this CE Memorandum will be submitted to the Calaveras County Clerk as well as to the Office of Land Use and Climate Innovation through the California State Clearinghouse as required by Senate Bill 69 (SB 69) (enacted on January 1, 2024).

2. Project Location and Description

The new 6-inch-diameter force main would connect to an existing 4-inch-diameter force main in Sawmill Creek Road and Little John Road between the lift station and holding tanks to the west. From here, the new force main would be installed in the west shoulder of Little John Road, cross Little John Road heading east just north of Quiver Road, and then cross Little John Road heading west to the end of Bow Drive where it would continue on the Copper Valley Specific Plan property. The force main would be installed in the future Bow Drive extension and then be located just west of the easterly property line of the Copper Valley Specific Plan where it would angle west away from the easterly property line where it would cross Saddle Creek Drive at the existing real estate office. The new force main would then run westerly on the south side of Saddle

Creek Drive to the hole 10 golf cart path and run adjacent to the cart path along holes 10 and 11 south to Oak Creek Drive where it would tie into an existing manhole that outlets to the existing Copper Valley Saddle Creek (CVSC) main lift station. Figures 1 and 2 in Attachment A shows the location of the project on a regional and local basis, respectively.

CCWD also proposes to upgrade the existing Copperopolis Town Square wastewater lift station with two 50-horsepower pumps capable of pumping 150 gallons per minute of effluent each. The lift station would also be upgraded with a new backup generator with an auto transfer switch to allow pumping during power outages, a new supervisory control and data acquisition (SCADA) and pump control system, and other upgrades to the pump control building needed to bring the system up to current CCWD standards.

Construction activities would include trenching to a maximum depth of 5 feet, would commence in June 2025, would take 6 months, and become operational by January 2026.

3. Environmental Resource Discussion

3.1 Biological Resources

The information and analysis in this section are derived from the Biological Resources Technical Memo (Attachment B) prepared by Dewberry. Literature review and field surveys were conducted to determine potential impacts to vegetation communities, wildlife, and special-status species resulting from project implementation.

The project site is occupied by blue oak woodlands, cattail marshes, and developed areas (roads and golf courses). Several aquatic resources are within the project site including ephemeral or intermittent drainages crossing beneath Little John Road and areas of cattail marsh associated with the golf course ponds. Most of the project alignment has been previously disturbed. Because the project site is primarily adjacent to Little John Road and the remaining sections are located on the golf course and an old dirt road alignment behind home sites, the project site does not provide suitable habitat for special-status species. The field surveys confirmed that the project site does not have suitable habitat, and no special-status species were observed at the site.

Construction activities may occur in the general vicinity of oak trees on or adjacent to the project site and near aquatic resources. The proposed project would comply with standard conditions, outlined below in Section 6.2, which addresses protection of these resources during project construction activities. The blue oak woodland and forest community adjacent to the project site could provide habitat for nesting birds, which are protected by the Migratory Bird Treaty Act (MBTA) and Section 3503 of the California Fish and Game Code. The proposed project would comply with standard conditions, outlined below in Section 6.3, which address nesting birds during project construction in compliance with the MBTA.

Overall, project implementation would result in no impacts to biological resources.

3.2 Historic/Cultural Resources

The information and analysis in this section are derived from the Cultural and Historical Resources Technical Memo prepared by Dewberry. Due to the sensitivity of cultural resources, a redacted version of the technical memo is included as Attachment C.

Areas in the proposed project vicinity are designated as moderate to high sensitivity for cultural resources (Calaveras County, 2018). Based on the sensitivity of the area, California Historical Resources Information System (CHRIS) records searches were conducted in November and December 2024. The records searches did not identify any cultural resources in the project area but did identify 27 cultural resources as adjacent or within 0.25 mile of the project site. Qualified cultural resource specialists surveyed the site on January 11, 2025. All cultural resources adjacent to the project area were found to be extant, or no longer existing. All other known cultural resources will not be impacted by project construction as they are not within or adjacent to the project construction footprint. No impact to previously identified cultural resources is expected as part of the proposed project. Nevertheless, construction activities occurring on the project site requiring below surface excavation/trenching could reveal previously undiscovered cultural resources. In the event this occurs, the construction contractor would comply with the standard conditions, as outlined below in Section 6.4. Overall, historic and cultural resources would not be impacted by project implementation.

3.3 Hazardous Materials

The proposed project involves the short-term use of construction equipment which could result in unanticipated oil or related fluid leaks; however, the handling of hazardous materials during construction activities would occur in accordance with applicable federal, state, and local law requirements. Implementation of standard construction best management practices (BMPs), compliance with vehicle manufacturer's specifications, and compliance with applicable regulations would address methods for containing accidental spills of hazardous materials.

A review of the Department of Toxic Substances Control (DTSC) database, EnviroStor, the State Water Resources Control Board (SWRCB) database, GeoTracker, and EPA's Toxic Release Inventory (EPA TRI) databases shows no hazardous materials sites directly associated with the project area (DTSC, 2024; SWRCB, 2024; EPA, 2022). The closest active site is the Copperopolis Mines, located 1.2 miles east of the project site (SWRCB, 2024), which has generated surface water and groundwater contamination from pollutants including copper and acid mine drainage. The potentially affected surface water does not flow near the site, and any trenching done for the proposed project would be no greater than five feet, which is shallower than the groundwater table. Therefore, there would be no potential impacts associated with hazards from the Copperopolis Mines.

Road lane striping has the potential to contain lead-based paint (LBP). Most of the project would be constructed in the shoulder of Little John Road; however, the project

would cross the road in three locations. The proposed project would comply with the standard conditions listed in Section 6.5 regarding reduction of exposure to LBP during construction.

Mapping prepared by the California Division of Mines and Geology confirms that the project site is not in an area known for ultramafic rock containing naturally occurring asbestos (CDC, 2011).

The nearest school, Copperopolis Elementary School, is located 1.2 miles northeast of the northeastern most part of the project site, therefore no potential impacts to this school are anticipated.

Overall, impacts associated with hazards and hazardous materials would not occur with project implementation.

3.4 Noise

Pursuant to Section 9.02.060 of the Calaveras County Code of Ordinances, sound from construction activities is exempt from the County's Noise Ordinance, provided that all construction in or adjacent to residential areas is limited to the daytime hours of 7:00 a.m. to 6:00 p.m., unless otherwise subject to conditions in a valid discretionary land use permit that addresses construction noise associated with a project. The Calaveras County General Plan includes Policies N 1.3 and N 1.4 that both provide exemptions for temporary construction noise. The nearest sensitive receivers to the project site are residential units along Little John Road, as close as 40 feet south from where construction activity would occur.

Force main construction would require the use of an off-highway truck, trencher, and small bulldozer as construction occurs along the linear project site. Construction noise levels would be temporary in nature as construction activities move through the project site in a linear fashion. The proposed project would comply with the standard conditions listed in Section 6.6 regarding reduction of construction noise levels near sensitive receivers.

As part of the proposed project, a new backup generator would be installed at the existing Copperopolis Town Square lift station. The nearest sensitive receiver is a residential home that is 0.5 mile southeast of the lift station. From this distance, the backup generator operations would not create a substantial permanent increase in ambient noise levels.

Overall, impacts associated with noise would not occur during project construction or operation.

4. California Environmental Quality Act (CEQA) Analysis

CEQA CEs represent activities that generally do not result in significant environmental impacts. The Secretary of the Resource Agency has established a list of classes of projects, which have been determined not to have a significant effect on the environment and are therefore exempt from the provisions of CEQA, provided several

exception criteria are met (CEQA Guidelines Section 15300-15332). The proposed project would be eligible as a CE under Class 3(d), New Construction or Conversion of Small Structures, which includes water main, sewage, electrical, gas, and other utility extensions, including street improvements, of reasonable length to serve such construction. Table 1, below, discusses and provides justification for CEQA compliance with exception criteria listed under CEQA Guidelines Section 15300.

TABLE 1: Exception Discussion	
Exception	Discussion
(a) Location. Classes 3, 4, 5, 6, and 11 are qualified by consideration of where the project is to be located – a project that is ordinarily insignificant in its impact on the environment may in a particularly sensitive environment be significant. Therefore, these classes are considered to apply all instances, except where the project may impact on an environmental resource of hazardous or critical concern where designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies.	The proposed project is exempt under Class 3. The project will not take place in a particularly sensitive environment. The existing conditions of the site are described in Section 2 as well as the Biological and Cultural Memos attached.
(b) Cumulative Impact. All exemptions for these classes are inapplicable when the cumulative impact of successive projects of the same type in the same place, over time is significant.	CCWD's proposed project is needed to accommodate wastewater from an approved residential development. The project is not growth inducing.
(c) Significant Effect. A categorical exemption shall not be used for an activity where there is a reasonable possibility that the activity will have a significant effect on the environment due to unusual circumstances.	There are no unusual circumstances of concern involved with the proposed project. The analysis presented above in Section 4.0 concludes that significant effects would not occur to biological resources, or cultural/historical resources or due to hazardous materials or noise.
(d) Scenic Highways. A categorical exemption shall not be used for a project which may result in damage to scenic resources, including but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway officially designated as a state scenic highway. This does not apply to improvements which are required as mitigation by an adopted negative declaration or certified EIR.	There are no officially designated or eligible scenic highways near the proposed project.
(e) Hazardous Waste Sites. A categorical exemption shall not be used for a project located on a site which is included on any list compiled pursuant to Section 65962.5 of the Government Code.	The review of EnviroStor and GeoTracker identified no hazardous materials sites directly associated with the project site. The proposed project is not located on a listed hazardous materials site.

TABLE 1: Exception Discussion	
Exception	Discussion
(f) Historical Resources. A categorical exemption shall not be used for a project which may cause a substantial adverse change in the significance of a historical resources.	A records search and field survey found no historical or cultural resources within the project site. Per Section 3.2, all adjacent cultural resources are no longer extant and/or would not be impacted by the proposed project. The proposed project would not cause a substantial adverse change to a historic resource.

5. Determination

In accordance with CEQA, each public agency shall, in the course of establishing its own procedures, list those specific activities which fall within each of the exempt classes, subject to the qualification that these lists must be consistent with both the letter and the intent expressed in the classes.

Based on a review of the project site, CEQA Guidelines, and the analysis above, the project would meet the requirements of a CE Class 3(d) under CEQA.

6. Standard Conditions

The following standard conditions will be included in bid packages and construction notices for compliance during construction.

6.1 Preconstruction Training

- Prior to commencing construction, all contractors will attend preconstruction training with CCWD staff to review project design conditions.

6.2 Vegetation Communities and Aquatic Resources

- The project alignment shall be adjusted where needed to avoid removing native trees. If the alignment encroaches within the dripline of a native tree, any roots 2 inches in diameter or larger that will be impacted shall be cut at a 90-degree angle with a sharp saw.
- Prior to the start of work, the limits of aquatic resources in the BSA, as determined by a qualified biologist, shall be protected with high visibility fencing that will be maintained in good condition through the duration of construction.
- All disturbed areas shall be restored to pre-construction contours and revegetated, either through hydroseeding or other means, with native or approved non-invasive exotic species.

6.3 Nesting Birds

- If possible, complete vegetation removal and ground disturbance during the non-breeding season (September 1 through January 31).
- If vegetation removal and/or ground disturbance is scheduled during the nesting season (February 1 to August 31), a preconstruction survey for nesting birds shall be conducted by a qualified biologist within 7 days from the start of

construction activities. The survey shall be conducted within the project impact area and a 250-foot radius.

- If the preconstruction survey does not identify any active nests, work may proceed.
- If the preconstruction survey identifies any active nests, an appropriate no-work buffer shall be established by a qualified biologist. The size of the buffer shall be determined based on the proximity of the active nest to work activities, ambient noise levels, and other factors determined relevant by the qualified biologist (e.g., line of sight). The no-work buffer zone shall be delineated by highly visible temporary construction fencing, which shall remain in place and maintained in good condition until the nest is no longer active, as determined by a qualified biologist.

6.4 Unanticipated Cultural Resource/Human Remains Discoveries

If a cultural resource is discovered during construction activities, the construction contractor will comply with the following provisions:

- The person discovering the cultural resource will notify the CCWD or the project's designated qualified cultural resource professional by telephone within four hours of the discovery or the next working day if the department is closed.
- When the cultural resource is located outside the area of disturbance, the project's designated qualified cultural resource professional will be allowed to photo document and record the resource and construction activities may continue during this process.
- When the cultural resource is located within the area of disturbance, all activities that may impact the resource will cease immediately upon discovery of the resource. All activity that does not affect the cultural resource as determined by site's designated qualified cultural resource professional may continue. The project's designated qualified cultural resource professional will be allowed to conduct an evaluative survey to evaluate the significance of the cultural resource, which evaluation will be complete within 2 weeks of the discovery unless extraordinary circumstances require additional time.
- When the cultural resource is determined to be not significant, the project's designated qualified cultural resource professional will be allowed to photo document and record the resource. Construction activities may resume after authorization from the project's designated qualified professional.
- When a resource is determined to be significant, the resource will be avoided with said resource having boundaries established around its perimeter by the project's designated qualified cultural resource professional or a cultural resource management plan will be prepared by the project's designated qualified professional to establish measures formulated and implemented in accordance with Sections 21083.2 and 21084.1 of CEQA to address the effects of construction on the resource. The project's designated qualified cultural resource professional will be allowed to photo document and record the resource. Construction activities may resume after authorization from the project's

designated qualified cultural resource professional. All further activity authorized by this permit will comply with the cultural resources management plan, if necessary.

- If human remains, burial, cremation or other mortuary features are uncovered during construction activities; upon discovery, secure the location, do not touch or remove remains and associated artifacts; do not remove associated spoils or go through them; document the location and keep notes of activity and correspondence. All work within 100 feet of the discovery will stop until the County Coroner can determine whether the remains are those of a Native American. If the remains are determined to be Native American, the coroner must contact the California Native American Heritage Commission to obtain the Most Likely Descendent (MLD) and follow state law (PRC 5097.98 and Health and Safety Code 7050.5(c)). No further work or disturbance will occur within 100 feet until all of the preceding actions, as applicable to the discovery, are implemented and completed. Preservation in situ is the preferred treatment of human remains and associated burial artifacts. [Public Resources Code Sections 5097.94, 5097.98 and Health and Safety Code Section 7050.5(c) and Section 15064.5 of the California Code of Regulations implementing the California Public Resources Code, Sections 21000-21177].

For the purposes of complying with the above standard conditions, a “qualified cultural resource professional” is an individual (e.g., historian or archaeologist) meeting the Secretary of the Interior’s Qualification Standards a “cultural resource” is any building, structure, object, site, district, or other item of cultural, social, religious, economic, political, scientific, agricultural, educational, military, engineering or architectural significance to the citizens of Calaveras County, the State of California, or the nation which is 50 years of age or older or has been listed on or is eligible for listing on the National Register of Historic Places, the California Register of Cultural Resources, or any local register.

6.5 Lead-Based Paint

- Lane striping should be tested for lead-based paint prior to trenching or road disturbing activities in any areas where striping removal will take place.
- If lead is found, a Lead Compliance Plan should be prepared by the contractor for the disposal of lead-based paint. The grindings (which consist of the roadway material and the yellow and white color traffic stripes) shall be removed and disposed of in accordance with Standard Special Provision 36-4 (Residue Containing High Lead Concentration Paints).
- A California state licensed lead contractor should be required to perform all work that will disturb any lead-based paint as a result of planned or unplanned renovations in the project area, including the presence of yellow traffic striping and pavement markings that may contain lead-based paint. All such material must be removed and disposed of as a hazardous material in compliance with SSP 14-11.12.

6.6 Construction Equipment Noise Control

- Use newer equipment with improved muffling and ensure that all equipment items have the manufacturers' recommended noise abatement measures (such as mufflers, engine enclosures, and engine vibration isolators intact and operational). Newer equipment will be quieter in operation than older equipment. All construction equipment should be inspected at periodic intervals to ensure proper maintenance and presence of noise control devices (e.g., mufflers and shrouding).
- Utilize construction methods or equipment that will provide the lowest level of noise and ground vibration impact.
- Turn off idling equipment after no more than five minutes.
- Plan noisier operations during times of least sensitivity to receivers (daytime, weekday hours).
- Keep noise levels relatively uniform and avoid impulsive noises.
- Maintain good public relations with the community to minimize objections to the construction noise affects. CCWD will provide a project description and project updates including the construction schedule on their website. In addition, the CCWD will provide public outreach brochures and hold at least one public meeting prior to construction to keep residents and local businesses informed of the project.
- Construction activities will be limited to 7:00 a.m. to 6:00 p.m. daily in compliance with Section 9.02.060 of the Calaveras County Code of Ordinances.

7. References

Calaveras County, Draft Environmental Impact Report Calaveras County Draft General Plan, June 2018.

California Department of Conservation, Division of Mines and Geology. Reported Historic Asbestos Mine, Historic Asbestos Prospects, and Other Natural Occurrences of Asbestos in California. 2011. Available Online: https://www.conservation.ca.gov/cgs/Documents/Publications/Map-Sheets/MS_059_Plate.pdf. Date Accessed: January 15, 2025.

California Department of Transportation. California State Scenic Highway System Map. Available Online: <https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aaca>. Date Accessed: January 15, 2025.

Department of Toxic Substances Control (DTSC). 2025. EnviroStor. Available Online: <https://www.envirostor.dtsc.ca.gov/public/>. Date Accessed: January 15, 2025.

Environmental Protection Agency (EPA). 2022. Toxic Release Inventory (TRI) Toxics Tracker. Available Online: <https://edap.epa.gov/public/extensions/TRIToxicsTracker/TRIToxicsTracker.html#continue>. Date Accessed: January 15, 2025.

State Water Resources Control Board (SWRCB). 2025. GeoTracker. Online: <https://geotracker.waterboards.ca.gov/>. Date Accessed: January 15, 2025

8. Attachments

Attachment A:

Figure 1 – Regional Location

Figure 2 – Project Vicinity

Attachment B: Biological Resources Memo

Attachment C: Cultural Resources Memo (Redacted)

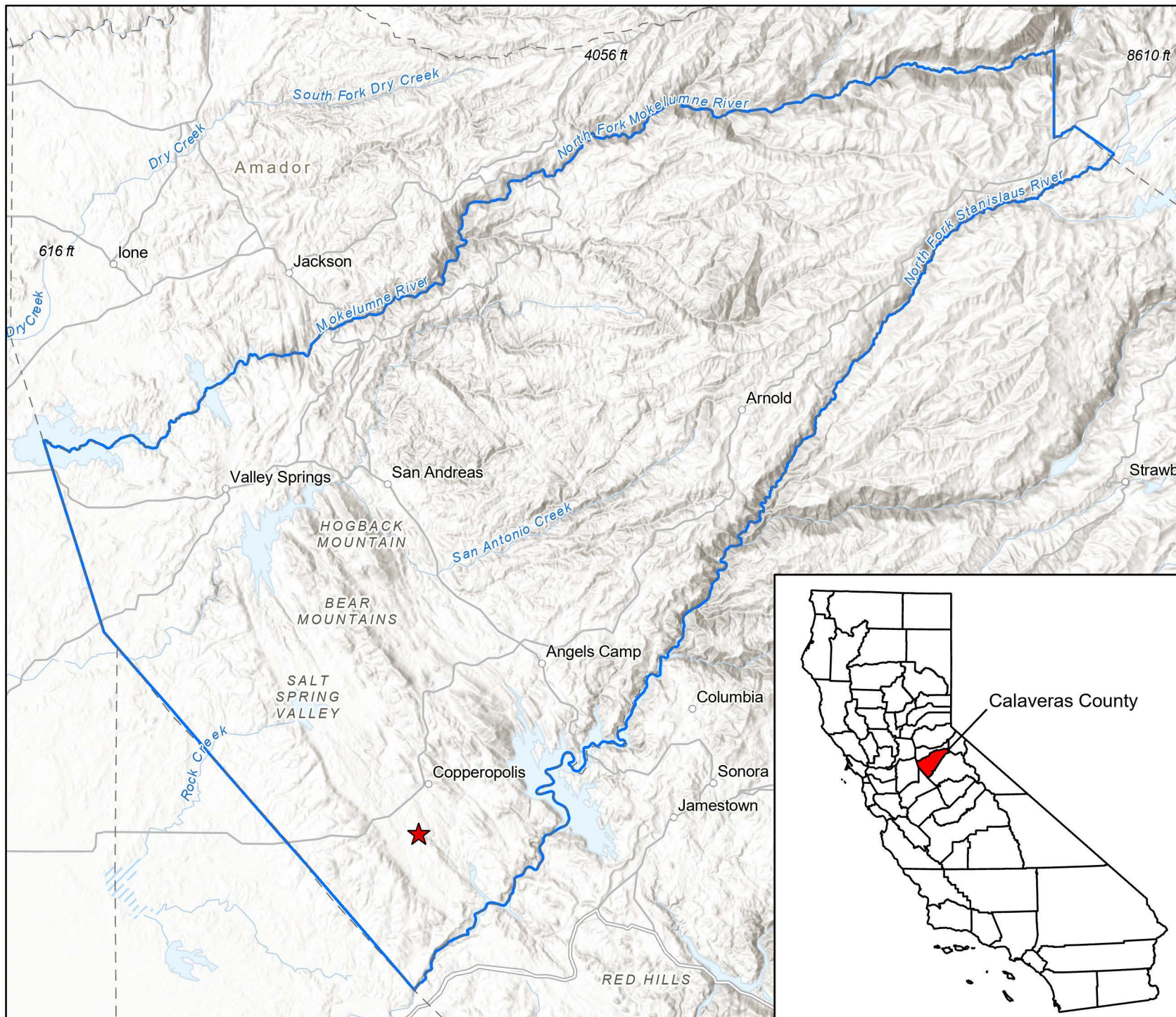
Attachment D: Plan Set

ATTACHMENT A

FIGURE 1 - REGIONAL LOCATION

FIGURE 2 - PROJECT VICINITY

Regional Location

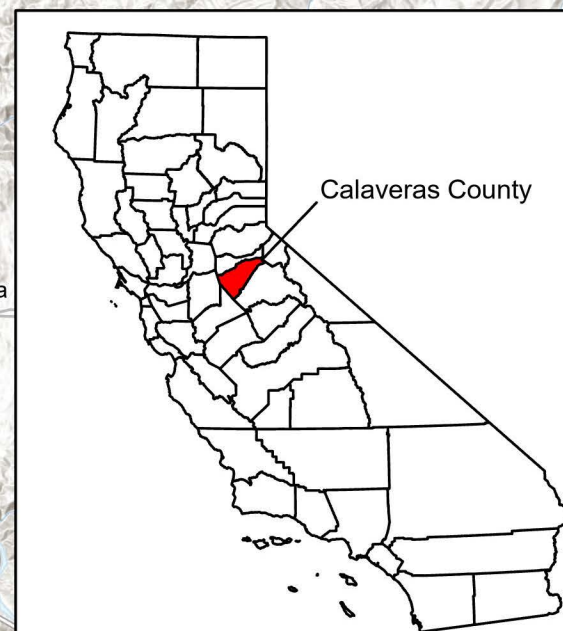


Little John Force Main Calaveras County, CA

Figure 1

Legend

- ★ Project Location
- Calaveras County



0 6
Miles



Author: A. Lloyd
Last updated on Tuesday, November
19, 2024

Project Vicinity



Little John Force Main
Calaveras County, CA

Figure 2
Page 1

Legend

 Project Area

0 800
Feet



Author: A. Lloyd
Last updated on Thursday, January
16, 2025



Project Vicinity

Little John Force Main
Calaveras County, CA

Figure 2
Page 2

Legend

 Project Area



0 800
Feet



Author: A. Lloyd
Last updated on Thursday, January
16, 2025

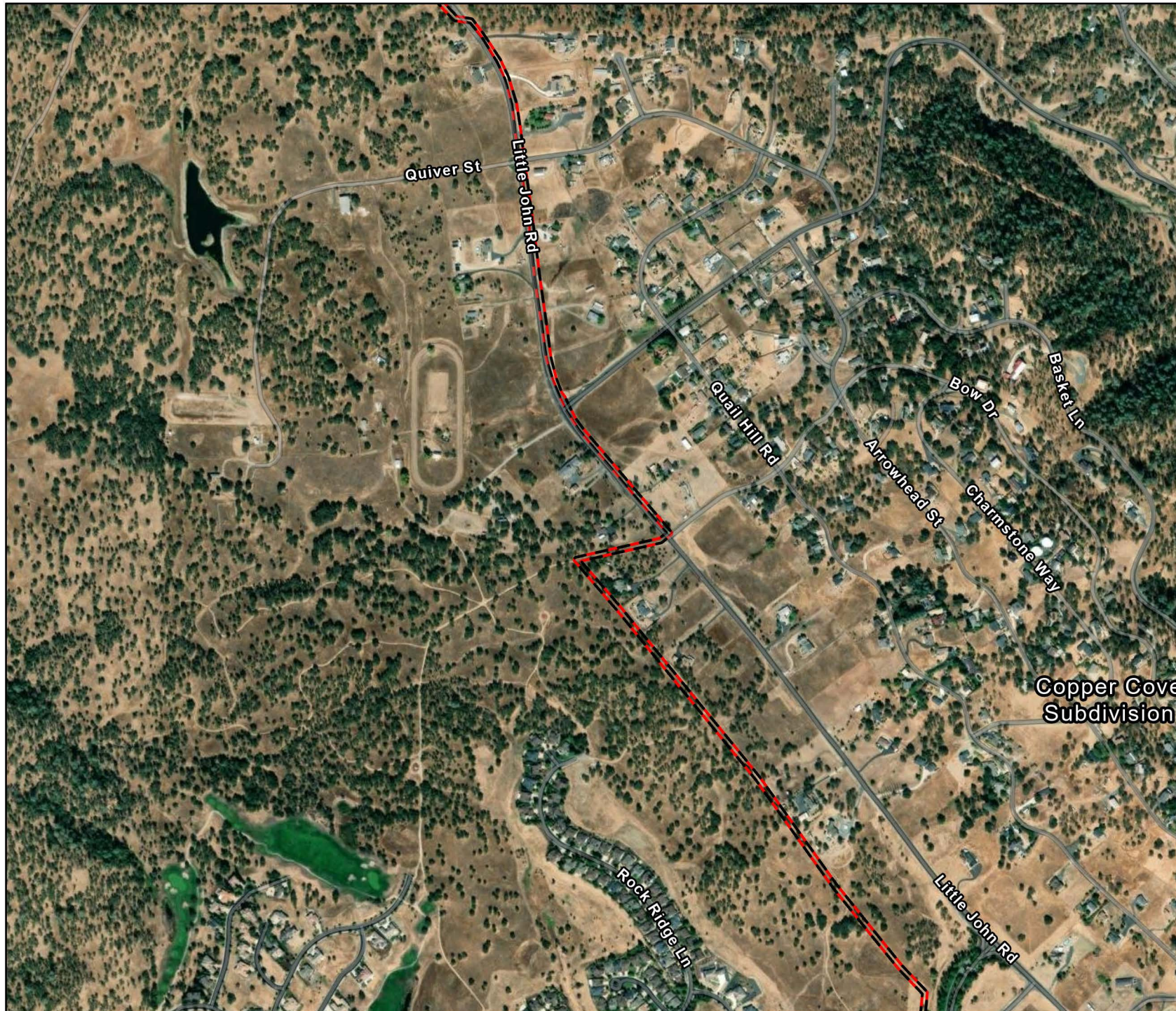
Project Vicinity

Little John Force Main
Calaveras County, CA

Figure 2
Page 3

Legend

 Project Area



0 800
Feet



Author: A. Lloyd
Last updated on Thursday, January
16, 2025

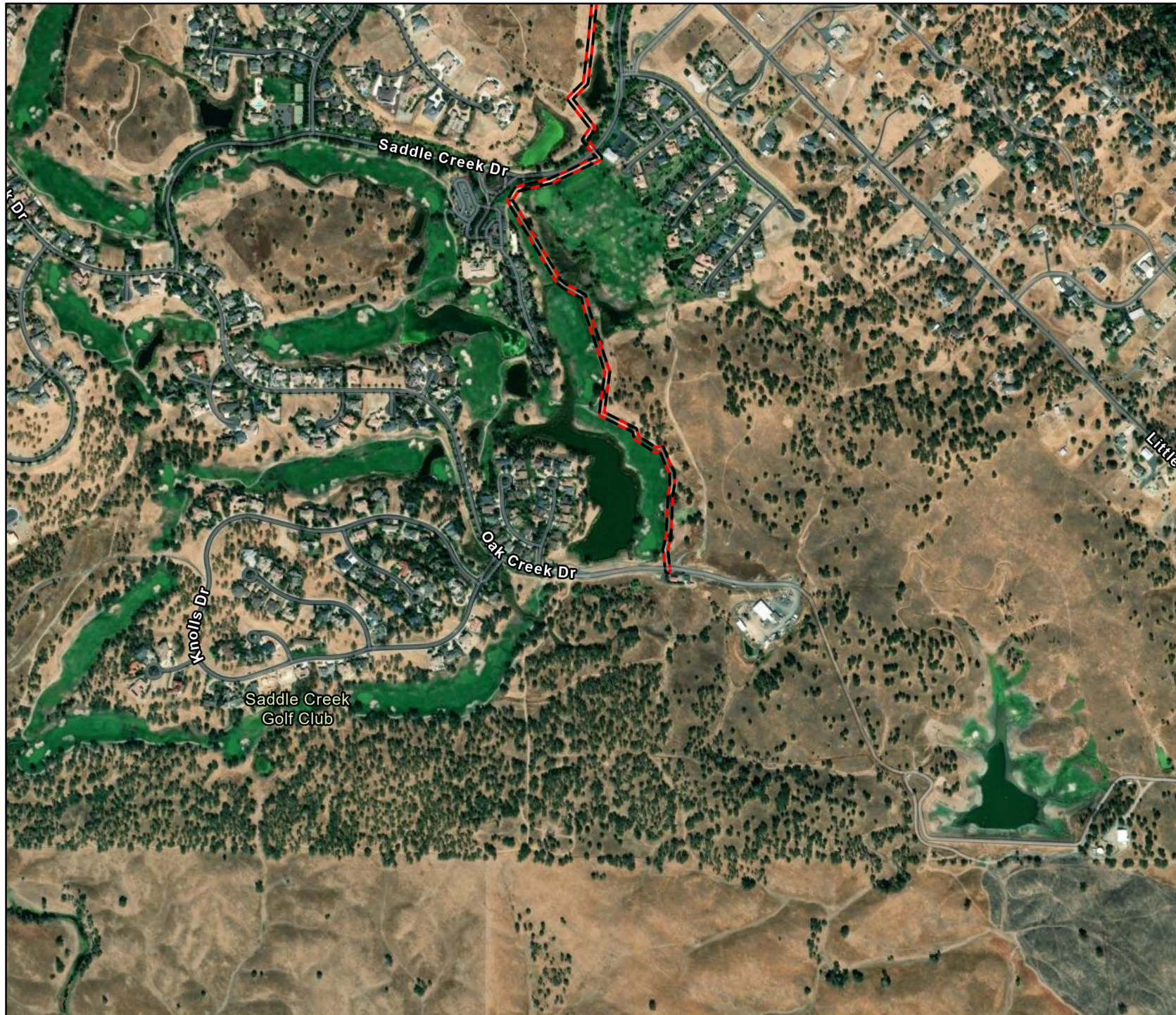
Project Vicinity

Little John Force Main
Calaveras County, CA

Figure 2
Page 4

Legend

 Project Area



0 800
Feet



Author: A. Lloyd
Last updated on Thursday, January
16, 2025



ATTACHMENT B
BIOLOGICAL RESOURCES TECHNICAL MEMO



MEMORANDUM

DATE: January 15, 2025

TO: Kevin Williams

FROM: Aren Der-Gevorgian

SUBJECT: CCWD Little John Force Main Project Technical Memorandum

Introduction

Dewberry was retained by the Calaveras County Water District (CCWD) to prepare a Biological Resources Technical Memorandum (Memo) for the Little John Force Main Project (project).

This memo discusses vegetative communities, associated wildlife and special-status species occurring or potentially occurring on the project site and evaluates the potential impacts to these resources from proposed project activities.

Project Location

The proposed project is located along and west of Little John Road, in Sections 4, 9, 10, 15, and 22 Township 1 North, Range 12 East, on the Copperopolis USGS quadrangle map, UTM coordinates (at the southern terminus of the project adjacent to Saddle Creek Drive) 707876 E, 4199503 N (See Figures 1-2 in Attachment A).

Project Description

The CCWD, as the California Environmental Quality Act (CEQA) Lead Agency, proposes the project, within the community of Copperopolis in unincorporated Calaveras County (County). CCWD proposes the installation of an approximately 27,000-foot-long wastewater force main connecting the existing Copperopolis Town Square wastewater lift station with the existing lift station located south of Oak Creek Drive in the southeastern portion of Copper Valley Specific Plan (previously known as Saddle Creek Specific Plan). CCWD also proposes upgrades to the existing Copperopolis Town Square wastewater lift station. The proposed project is needed to accommodate wastewater generated by approved residential development within the Copper Valley Specific Plan which is anticipated to generate a wastewater flow rate of 120 gallons per minute.

The new 6-inch-diameter force main would connect to an existing 4-inch-diameter force main in Sawmill Creek Road and Little John Road between the lift station and holding tanks to the west. From here, the new force main would be installed in the east shoulder of Little John Road to the end of Bow Drive where it would continue on the Copper Valley Specific Plan property. The force main would be installed in the future Bow Drive extension and then be located just west of the easterly property line of the Copper Valley Specific Plan where it would angle west away from the easterly property line where it would cross Saddle Creek Drive at the existing real estate office. The new force main would then run westerly on the south side of Saddle Creek Drive to the hole 10 golf cart path and run adjacent to the cart path along holes 10 and 11 south to Oak Creek Drive where it would tie into an existing manhole that outlets to the existing CVSC main lift station. Figure 1 shows the alignment of the proposed project.

CCWD also proposes to upgrade the existing Copperopolis Town Square wastewater lift station with two 50-horsepower pumps capable of pumping 150 gallons per minute of effluent each. The lift station would also be upgraded with a new backup generator with an auto transfer switch to allow pumping during power outages, a new supervisory control and data acquisition (SCADA) and pump control system, and other upgrades to the pump control building needed to bring the system up to current CCWD standards. Construction activities would include trenching to a maximum depth of 5 feet, would commence in June 2025, would take 6 months, and become operational by January 2026.

Design plans are included in Attachment B.

Methods

Biological Study Area

The limits of the Biological Study Area (BSA) were established, as shown in Figure 2. The BSA, totaling approximately 21.2 acres. The BSA, totaling approximately 21.2 acres, consists of the project footprint including a 15-foot buffer from the proposed sewer force main line, and construction access and staging areas.

Literature Review

A list of sensitive wildlife and plant species potentially occurring within the BSA was compiled to evaluate potential impacts resulting from the proposed project. Sources used to compile the list include the California Natural Diversity Data Base (CNDDDB 2024) and the California Native Plant Society (CNPS) Online Edition (2024), referencing the Copperopolis and New Melones Dam 7.5-Minute United States Geologic Survey (USGS) quadrangles, and the USFWS IPaC Trust Resources Report (2024) referencing the BSA. The individual lists are included in Attachment C.

The special-status species lists obtained from the CNDDDB, CNPS, and USFWS were reviewed to determine which species could potentially occur within the BSA.

Field Surveys

The studies required to document the environmental conditions of the BSA included general biological surveys and vegetation mapping.

Environmental Setting

General Setting Information

The BSA is located along Little John Road that follows a relatively flat topography south until reaching a hilly area, extending across a small earthen dam and along a small creek. The elevation ranges approximately 800 to 900 feet above mean sea level. Lands surround the BSA are also generally hilly, becoming more mountainous to the east.

Vegetation Communities and Land Uses

Vegetation communities in the BSA (see Figure 3 in Attachment A) were classified in accordance with a Manual of California Vegetation Online version (CNPS 2024), as appropriate, and include: blue oak woodlands, cattail marshes, as well as developed and landscaped areas (roads and golf course). The dominant plants in the BSA consist of blue oak (*Quercus douglasii*), coastal live oak (*Quercus agrifolia*), Fremont cottonwood (*Populus fremontii*), broadleaf cattail (*Typha latifolia*), and various brome (*Bromus* sp.) species.

Species names follow the standard nomenclature presented in The Jepson Manual: Vascular Plants of California (Baldwin, B. G., et. al., editors 2012) and the Jepson Online Interchange for California Floristics (Jepson eFlora 2016). A comprehensive list of plant and wildlife species observed is provided in Attachment D.

Aquatic Resources

Aquatic resources in the BSA included several ephemeral or intermittent drainages that crossed beneath Little John Road and areas of cattail marsh associated with golf course ponds.

Special-Status Species

Due to the location of the majority of the BSA adjacent to Little John Road and the remaining sections located on a golf course and an old dirt road alignment behind home sites, the BSA does not provide suitable habitat for special-status species. However, the blue oak woodland and forest community in the BSA could provide habitat for nesting birds, which are protected by the MBTA and Section 3503 of the California Fish and Game.

No special-status species were observed in the BSA during the November 2024 surveys.

Potential Impacts

This section provides a discussion of the potential project impacts to biological resources that could occur with implementation of the proposed project. For purposes of this section, the impact area consists of the project footprint. The determination of impacts is based on the biological resources present, or reasonably likely to be present, in the BSA as described herein.

Project implementation would result in minimal to no impacts to biological resources. The BSA consists of low-quality habitat along Little John Road and Copper Valley Golf Course. The project would not impact aquatic resources and no special-status wildlife or plants would be impacted. The project could potentially impact nesting birds if an active nest is present within or near the project footprint when construction begins.

Recommended Avoidance and Minimization Measures

1. Prior to the start of work, the limits of aquatic resources in the BSA, as determined by a qualified biologist, shall be protected with high visibility fencing that will be maintained in good condition through the duration of construction.
2. The project alignment shall be adjusted where needed to avoid removing native trees. If the alignment encroaches within the dripline of a native tree, any roots 2 inches in diameter or larger that will be impacted shall be cut at a 90-degree angle with a sharp saw.
3. All disturbed areas shall be restored to pre-construction contours and revegetated, either through hydroseeding or other means, with native or approved non-invasive exotic species.

The following measures are recommended to reduce potential impacts to nesting birds in the BSA and surrounding areas, if present when construction begins.

4. If possible, complete vegetation removal and ground disturbance during the non-breeding season (September 1 through January 31).
5. If vegetation removal and/or ground disturbance is scheduled during the nesting season (February 1 to August 31), a preconstruction survey for nesting birds shall be conducted by a qualified biologist within 7 days from the start of construction activities. The survey shall be conducted within the project impact area and a 250-foot radius.
6. If the preconstruction survey does not identify any active nests, work may proceed.
7. If the preconstruction survey identifies any active nests, an appropriate no-work buffer shall be established by a qualified biologist. The size of the buffer shall be determined based on the proximity of the active nest to work activities, ambient noise levels, and other factors determined relevant by the qualified biologist (e.g., line of sight). The no-work buffer zone shall be delineated by highly visible temporary construction fencing, which shall remain in place and maintained in good condition until the nest is no longer active, as determined by a qualified biologist.

References

Baldwin, B.G., et. al. 2012. The Jepson manual: Vascular plants of California, second edition. University of California Press, Berkeley, CA.

CNPS. 2024. A Manual of California Vegetation, Online Edition. <http://www.cnps.org/cnps/vegetation/>; searched on November 18, 2024. California Native Plant Society, Sacramento, CA

Jepson Online Interchange for California Floristics (Jepson eFlora 2016). <https://ucjeps.berkeley.edu/interchange/>.

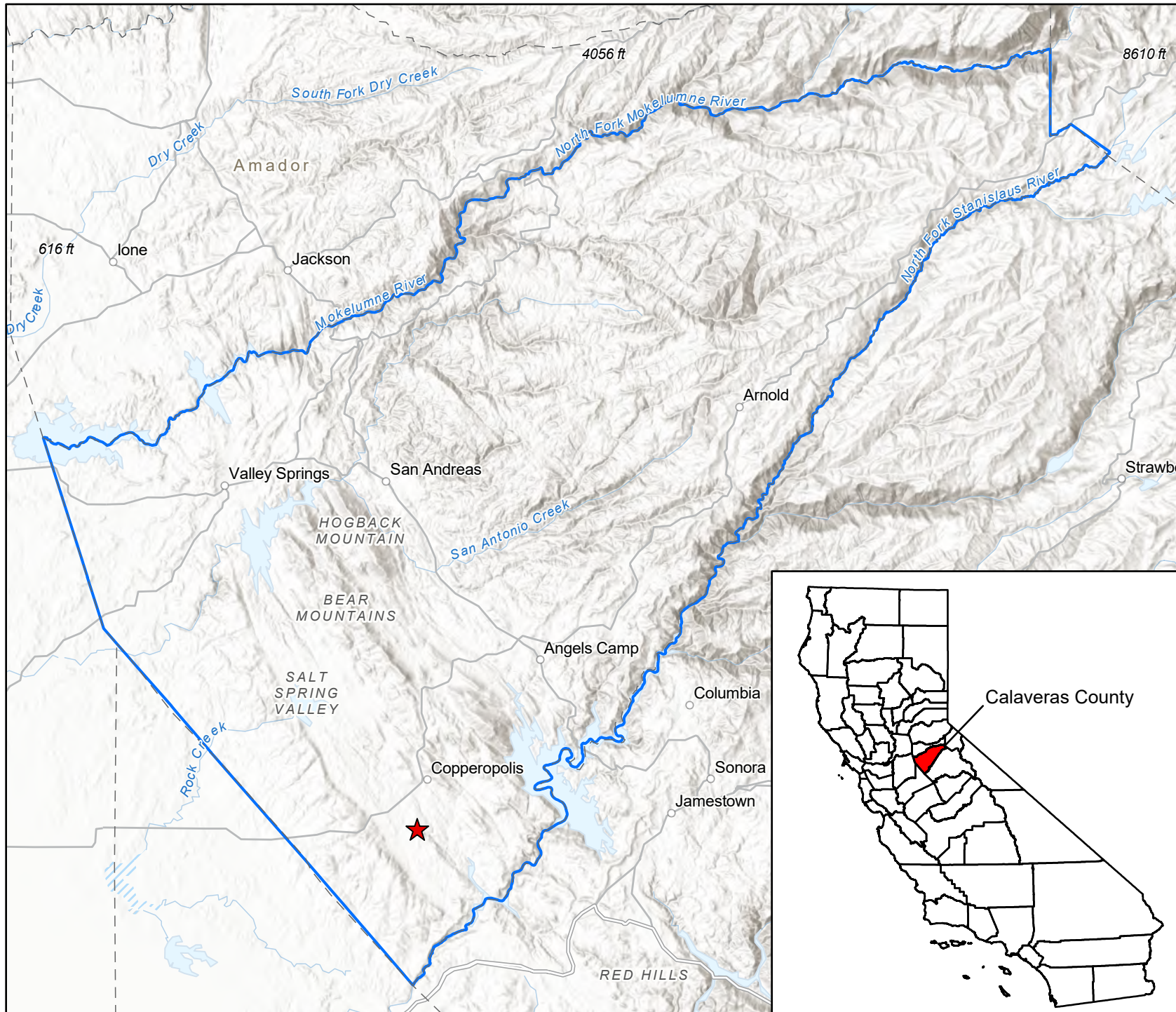
Sawyer, J. O., T. Keeler-Wolf, and J. M. Evens, 2009. A Manual of California Vegetation. California. 2nd Edition. Native Plant Society Press. Sacramento, CA.

Attachments

1. Attachment A Figures:

- a. Figure 1 Regional Location
- b. Figure 2 Project Location
- c. Figure 3 Vegetation Communities and Land Uses

Regional Location



Little John Force Main Calaveras County, CA

Figure 1

Legend

- ★ Project Location
- Calaveras County

0 6 Miles



Author: A. Lloyd
Last updated on Monday, December 9, 2024




Project Vicinity



Little John Force Main
Calaveras County, CA

Figure 2
Page 1

Legend

 Biological Study Area
(21.2 ac)

0 400
Feet



Author: A. Lloyd
Last updated on Monday, December
9, 2024




Project Vicinity

Little John Force Main
Calaveras County, CA

Figure 2
Page 2

Legend

 Biological Study Area
(21.2 ac)

0 400
Feet



Author: A. Lloyd
Last updated on Monday, December
9, 2024




Project Vicinity

Little John Force Main
Calaveras County, CA

Figure 2
Page 3

Legend

 Biological Study Area
(21.2 ac)

0 400
Feet



Author: A. Lloyd
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9, 2024




Project Vicinity

Little John Force Main
Calaveras County, CA

Figure 2
Page 4

Legend

 Biological Study Area
(21.2 ac)

0 400
Feet



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9, 2024




Project Vicinity



Little John Force Main
Calaveras County, CA

Figure 2
Page 5

Legend

 Biological Study Area
(21.2 ac)

0 400
Feet



Author: A. Lloyd
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9, 2024




Project Vicinity



Little John Force Main
Calaveras County, CA

Figure 2
Page 6

Legend

 Biological Study Area
(21.2 ac)

0 400
Feet



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Last updated on Monday, December
9, 2024




Project Vicinity



Little John Force Main
Calaveras County, CA

Figure 2
Page 7

Legend

 Biological Study Area
(21.2 ac)

0 400
Feet



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9, 2024




Project Vicinity



Little John Force Main
Calaveras County, CA

Figure 2
Page 8

Legend

 Biological Study Area
(21.2 ac)

0 400
Feet



Author: A. Lloyd
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9, 2024




Vegetation Communities and Land Uses


Little John Force Main
Calaveras County, CA


Figure 3
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Legend

 Biological Study Area
(21.2 ac)

Vegetation Community

 Blue oak woodland and
forest (17.3 ac)

 Cattail marshes (0.04
ac)

 Landscaped (1.7 ac)

 Developed (2.14 ac)

0 400
Feet



Author: A. Der-Gevorgian
Last updated on Wednesday,
December 11, 2024




Vegetation Communities and Land Uses


Little John Force Main
Calaveras County, CA


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December 11, 2024




Vegetation Communities and Land Uses


Little John Force Main
Calaveras County, CA


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Vegetation Communities and Land Uses


Little John Force Main
Calaveras County, CA


Figure 3
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Vegetation Communities and Land Uses


Little John Force Main
Calaveras County, CA


Figure 3
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 Biological Study Area
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Vegetation Communities and Land Uses


Little John Force Main
Calaveras County, CA


Figure 3
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Feet



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Vegetation Communities and Land Uses


Little John Force Main
Calaveras County, CA


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Feet



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Vegetation Communities and Land Uses


Little John Force Main
Calaveras County, CA


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 Biological Study Area
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 Blue oak woodland and
forest (17.3 ac)

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ac)

 Landscaped (1.7 ac)

 Developed (2.14 ac)

0 400
Feet



Author: A. Der-Gevorgian
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2. Attachment B Design Plans:

COPPER VALLEY FORCE MAIN IMPROVEMENT PLANS

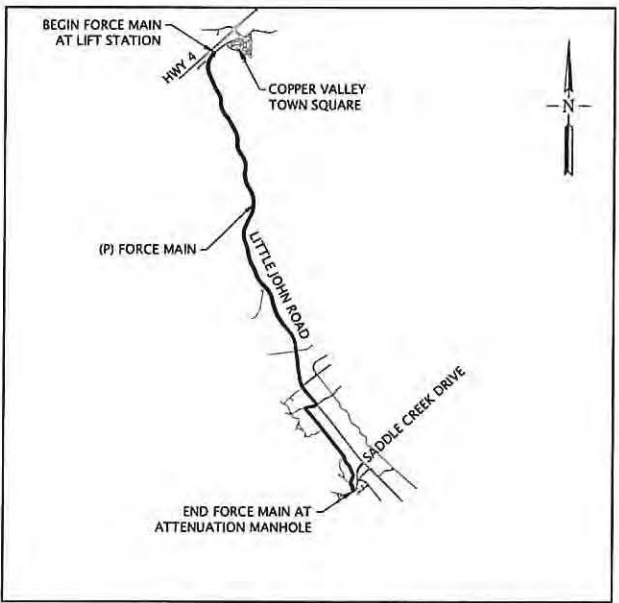
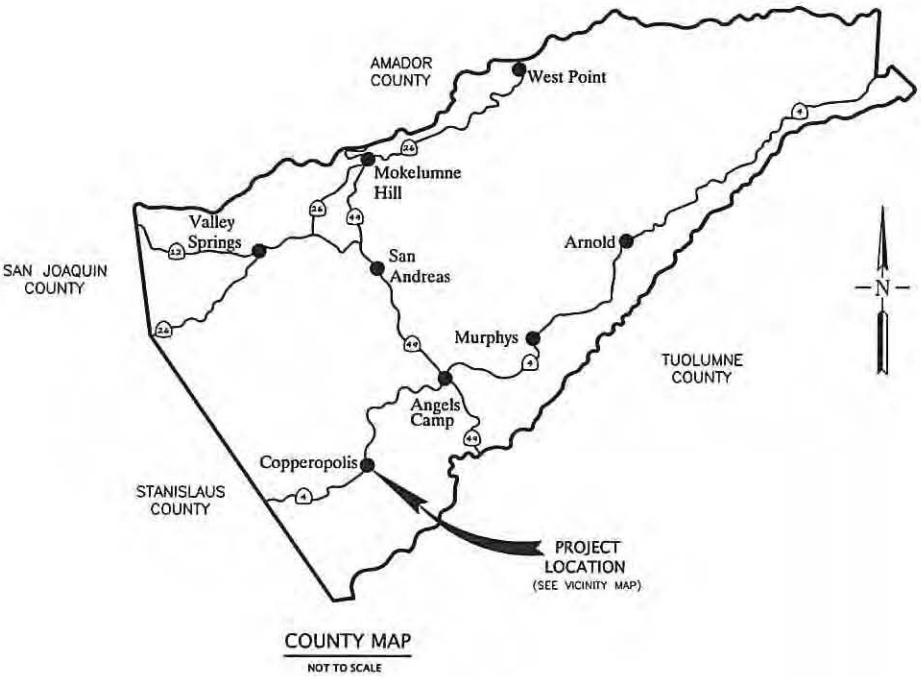
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CIVIL SHEET INDEX:

C-00	TITLE SHEET, VICINITY MAP & LOCATION MAP
C-01	CIVIL GENERAL NOTES, ABBREVIATIONS, LEGENDS & SYMBOLS
C-02	KEY MAP BASIS OF SURVEY
C-03	LIFT STATION - ACCESS ROAD IMPROVEMENT PLAN
C-04	FORCE MAIN - PLAN AND PROFILE, STA: 10+00 TO STA: 20+00
C-05	FORCE MAIN - PLAN AND PROFILE, STA: 20+00 TO STA: 30+00
C-06	FORCE MAIN - PLAN AND PROFILE, STA: 30+00 TO STA: 40+00
C-07	FORCE MAIN - PLAN AND PROFILE, STA: 40+00 TO STA: 50+00
C-08	FORCE MAIN - PLAN AND PROFILE, STA: 50+00 TO STA: 60+00
C-09	FORCE MAIN - PLAN AND PROFILE, STA: 60+00 TO STA: 70+00
C-10	FORCE MAIN - PLAN AND PROFILE, STA: 70+00 TO STA: 80+00
C-11	FORCE MAIN - PLAN AND PROFILE, STA: 80+00 TO STA: 90+00
C-12	FORCE MAIN - PLAN AND PROFILE, STA: 90+00 TO STA: 100+00
C-13	FORCE MAIN - PLAN AND PROFILE, STA: 100+00 TO STA: 110+00
C-14	FORCE MAIN - PLAN AND PROFILE, STA: 110+00 TO STA: 120+00
C-15	FORCE MAIN - PLAN AND PROFILE, STA: 120+00 TO STA: 130+00
C-16	FORCE MAIN - PLAN AND PROFILE, STA: 130+00 TO STA: 140+00
C-17	FORCE MAIN - PLAN AND PROFILE, STA: 140+00 TO STA: 150+00
C-18	FORCE MAIN - PLAN AND PROFILE, STA: 150+00 TO STA: 160+00
C-19	FORCE MAIN - PLAN AND PROFILE, STA: 160+00 TO STA: 170+00
C-20	FORCE MAIN - PLAN AND PROFILE, STA: 170+00 TO STA: 180+00
C-21	FORCE MAIN - PLAN AND PROFILE, STA: 180+00 TO STA: 190+00
C-22	FORCE MAIN - PLAN AND PROFILE, STA: 190+00 TO STA: 200+00
C-23	FORCE MAIN - PLAN AND PROFILE, STA: 200+00 TO STA: 210+00
C-24	FORCE MAIN - PLAN AND PROFILE, STA: 210+00 TO STA: 220+00
C-25	FORCE MAIN - PLAN AND PROFILE, STA: 220+00 TO STA: 224+00 AND ATTENUATION MANHOLE SITE IMPROVEMENT PLAN
C-26	LIFT STATION PLAN AND PROFILE
C-27	LIFT STATION DETAILS
C-28	CIVIL DETAILS
C-29	CONTROL BUILDING PLAN AND ELEVATIONS
C-30	CONTROL BUILDING DETAILS

ELECTRICAL SHEET INDEX:

E1	E
E2	E
E3	E
E4	E
E5	E
E6	E
E7	E
E8	E
E9	E
E0	E
E11	E
E12	E



VICINITY MAP
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COPPER VALLEY
FORCE MAIN
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PHASE I

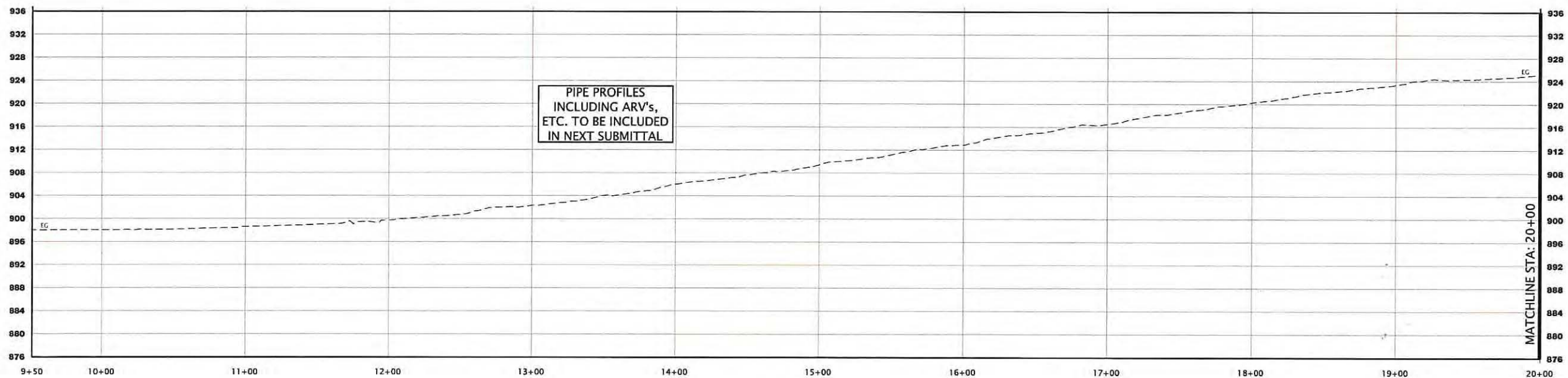
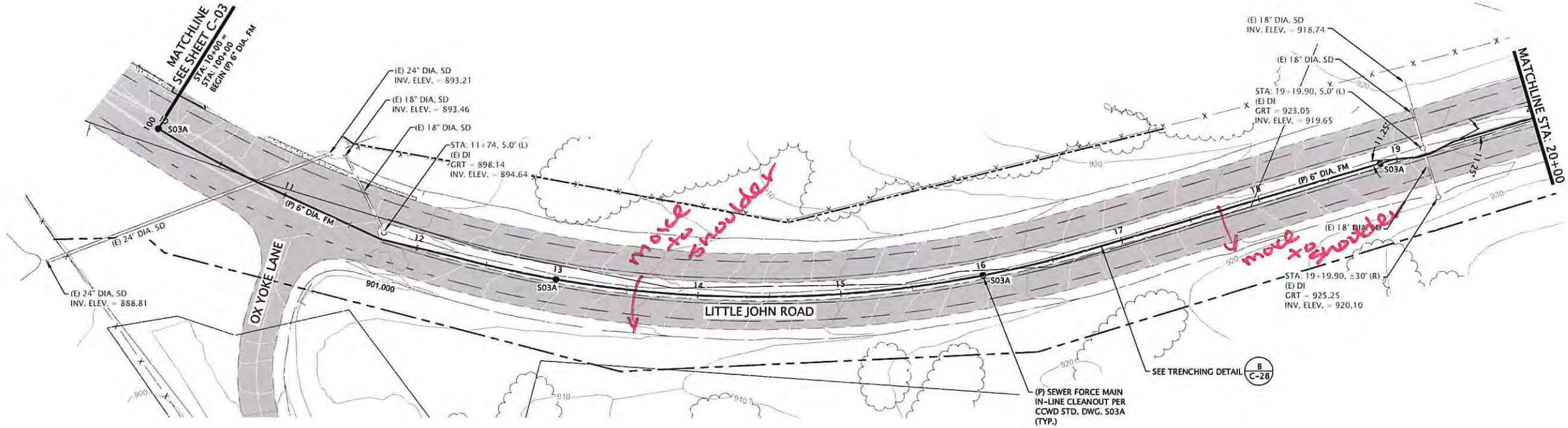
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SHT. 0 of SHT. 31



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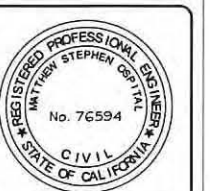
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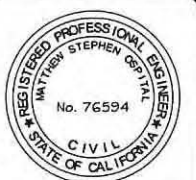
ASSOCIATES

civil engineering consultant

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(209) 754-1824

COPPER VALLEY
FORCE MAIN
IMPROVEMENT PLANS,
PHASE I

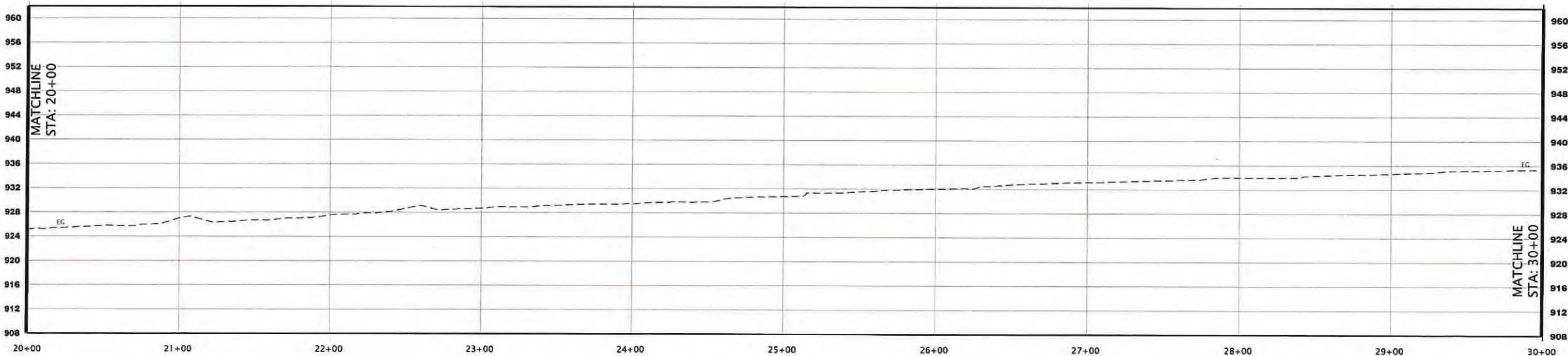
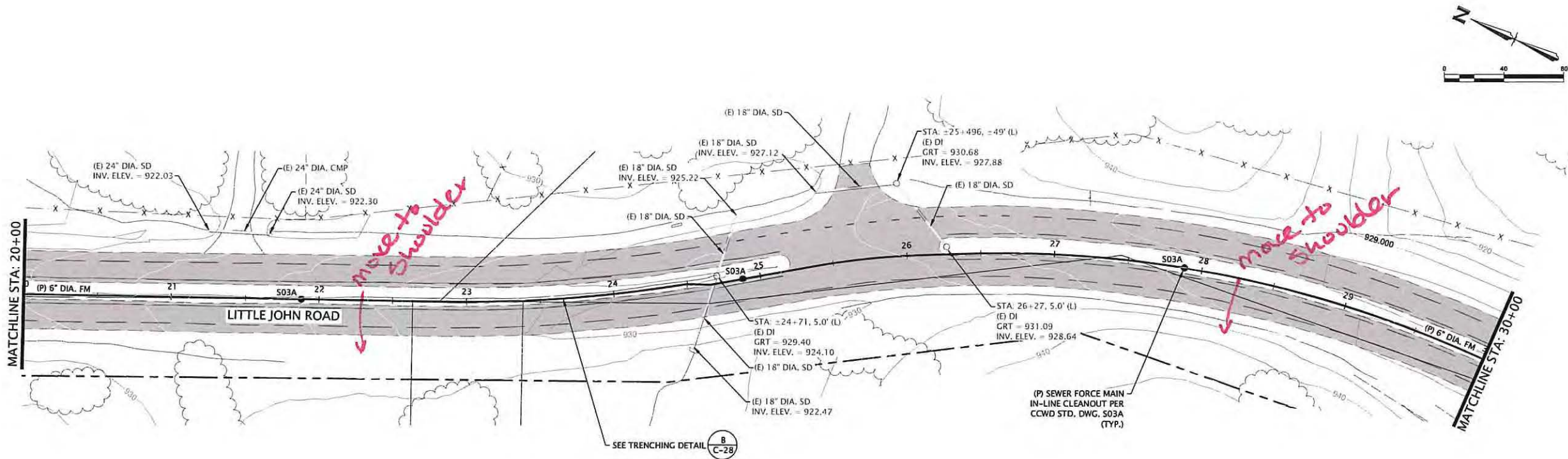
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SHT. 5 of SHT. 31



**FORCE MAIN
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 VERT. SCALE: 1" = 10'

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50% PLANS

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 FORCE MAIN
 IMPROVEMENT PLANS,
 PHASE I**

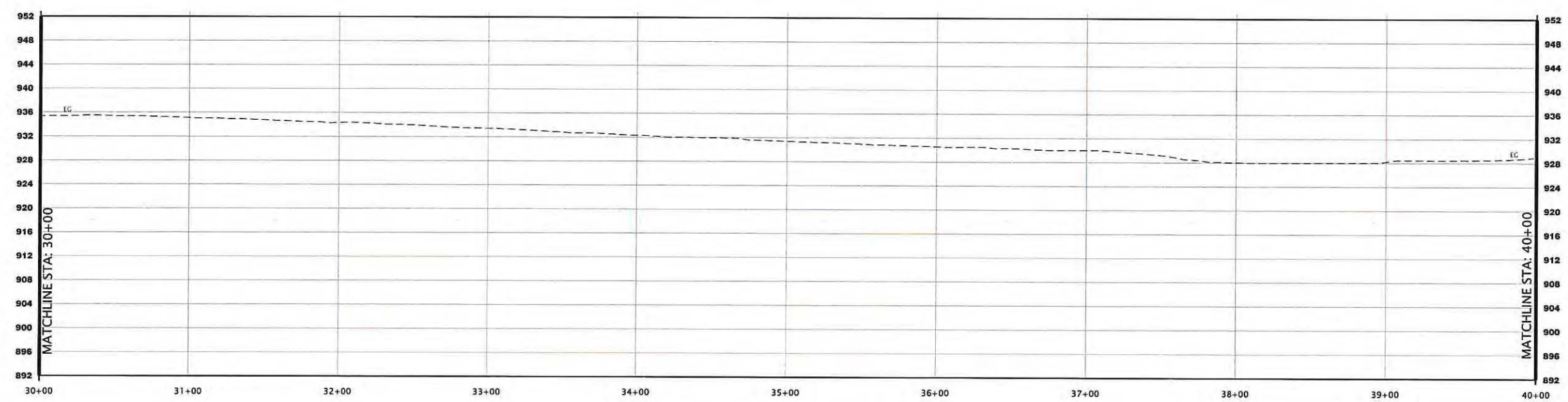
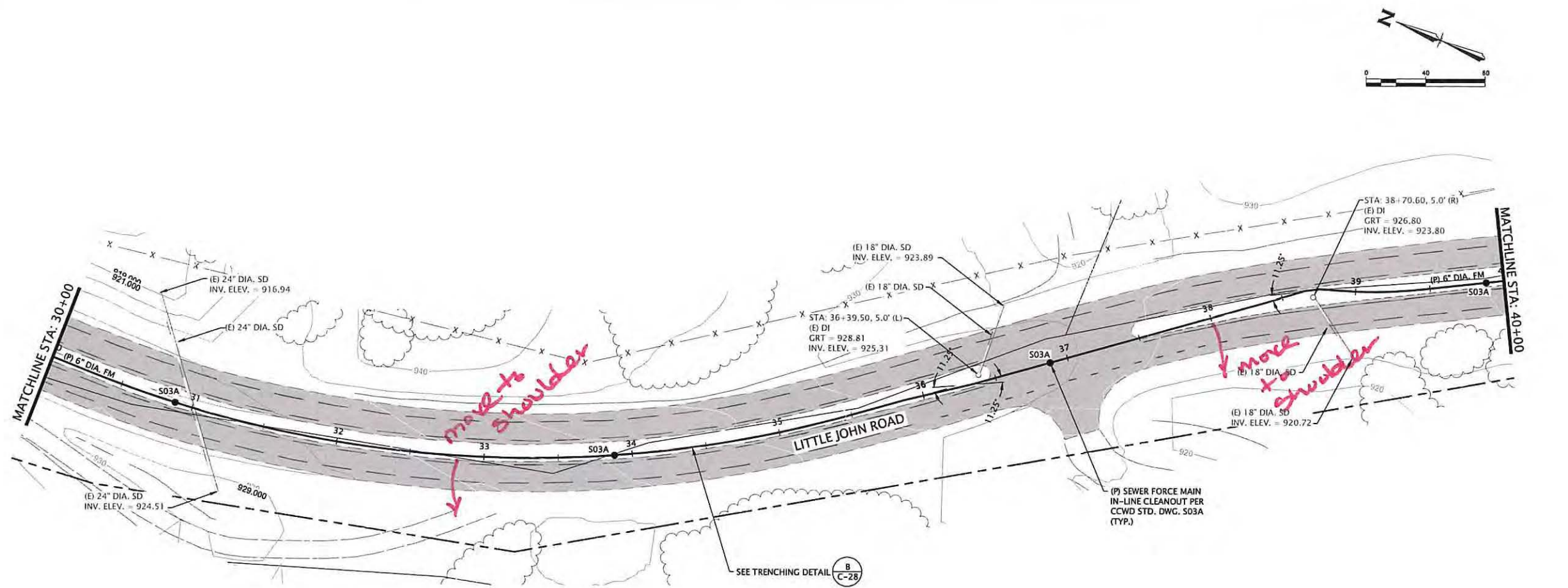
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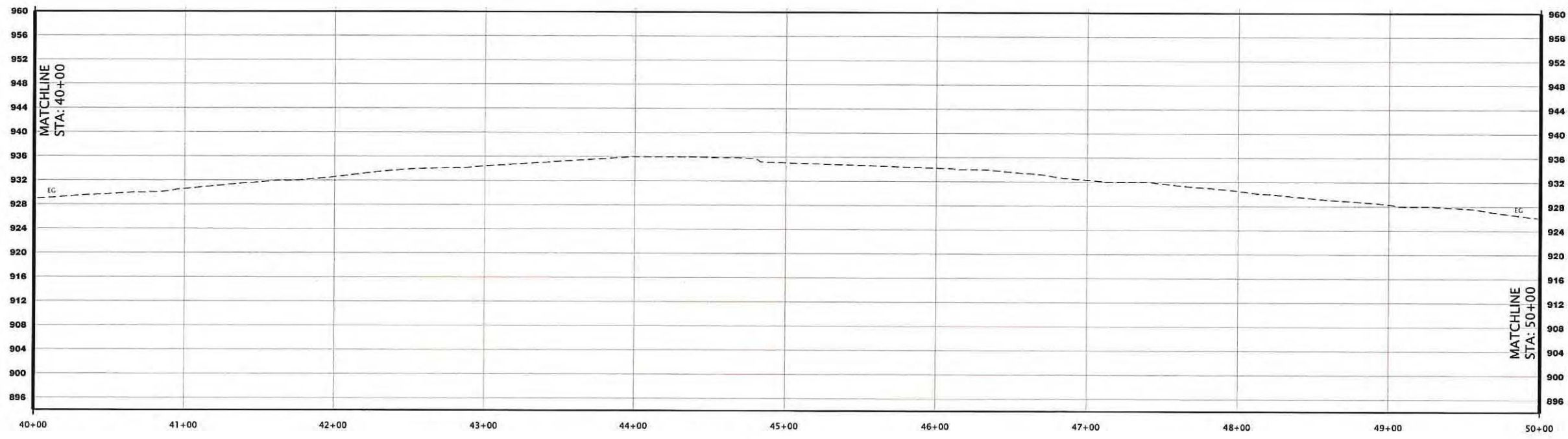
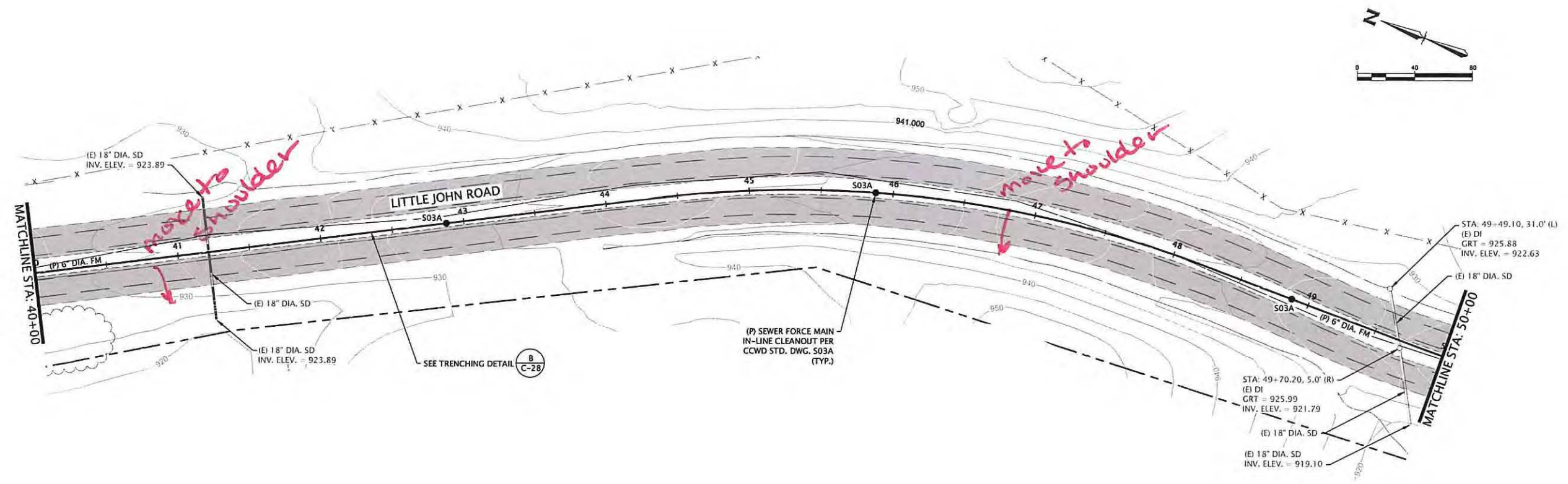
SHT. 6 of SHT. 31



**FORCE MAIN
 PLAN AND PROFILE**
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FORCE MAIN - PLAN AND PROFILE, STA: 30+00 TO STA: 40+00

50% PLANS



**FORCE MAIN
PLAN AND PROFILE**
 HORIZ. SCALE: 1" = 40'
 VERT. SCALE: 1" = 10'

FORCE MAIN - PLAN AND PROFILE, STA: 40+00 TO STA: 50+00

50% PLANS

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**COPPER VALLEY
FORCE MAIN
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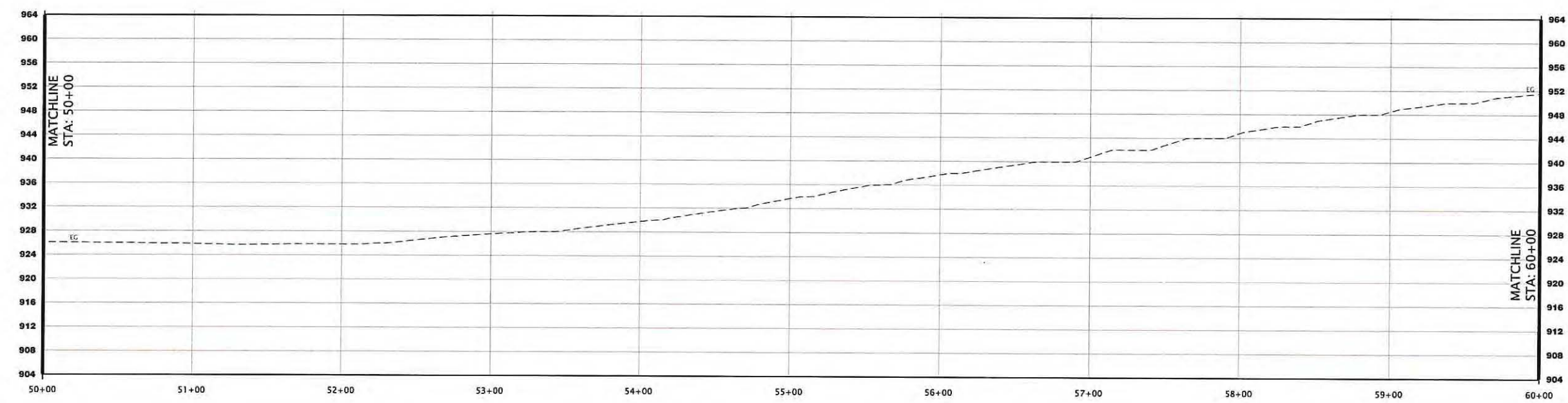
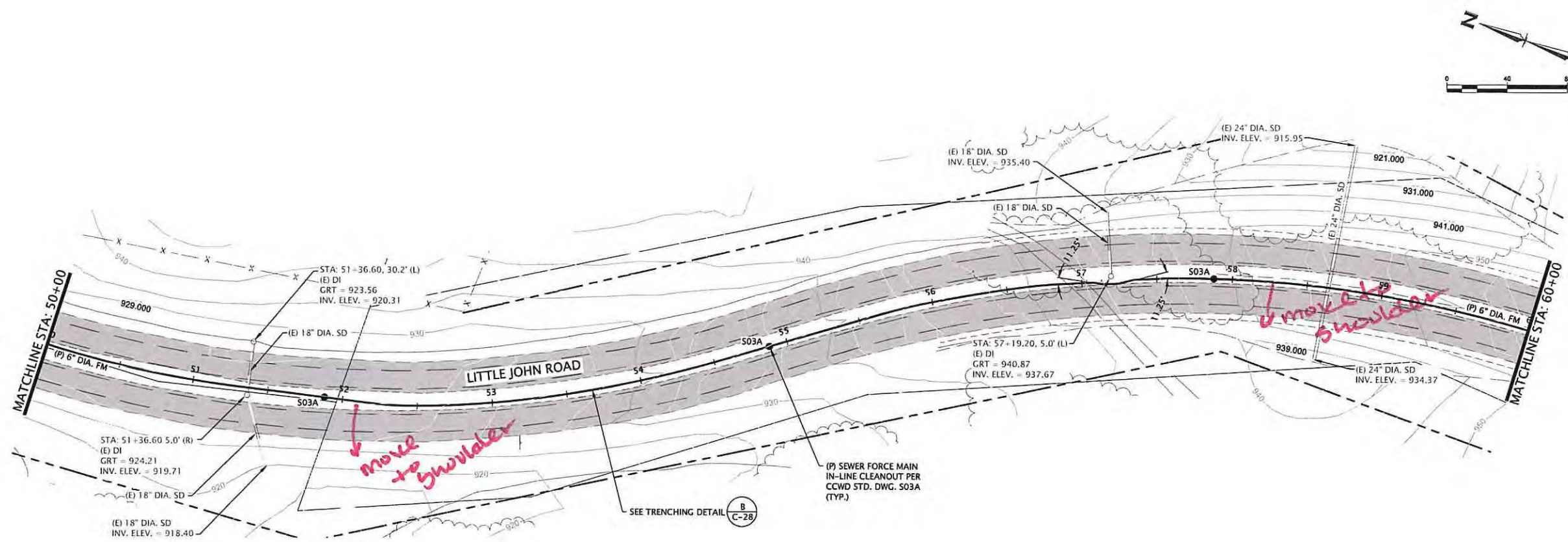
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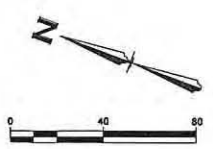
SHT. 7 of SHT. 31



**FORCE MAIN
PLAN AND PROFILE**

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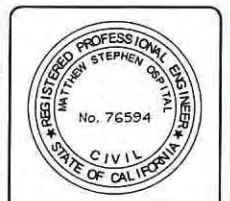
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**COPPER VALLEY
FORCE MAIN
IMPROVEMENT PLANS,
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CALAVERAS COUNTY CALIFORNIA

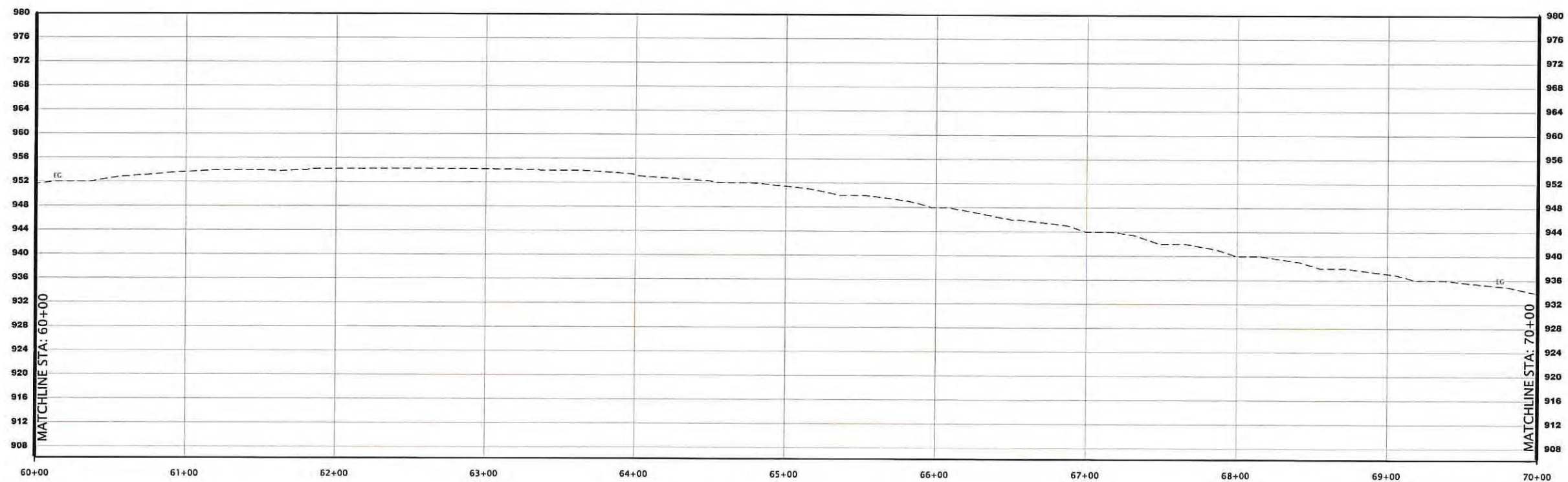
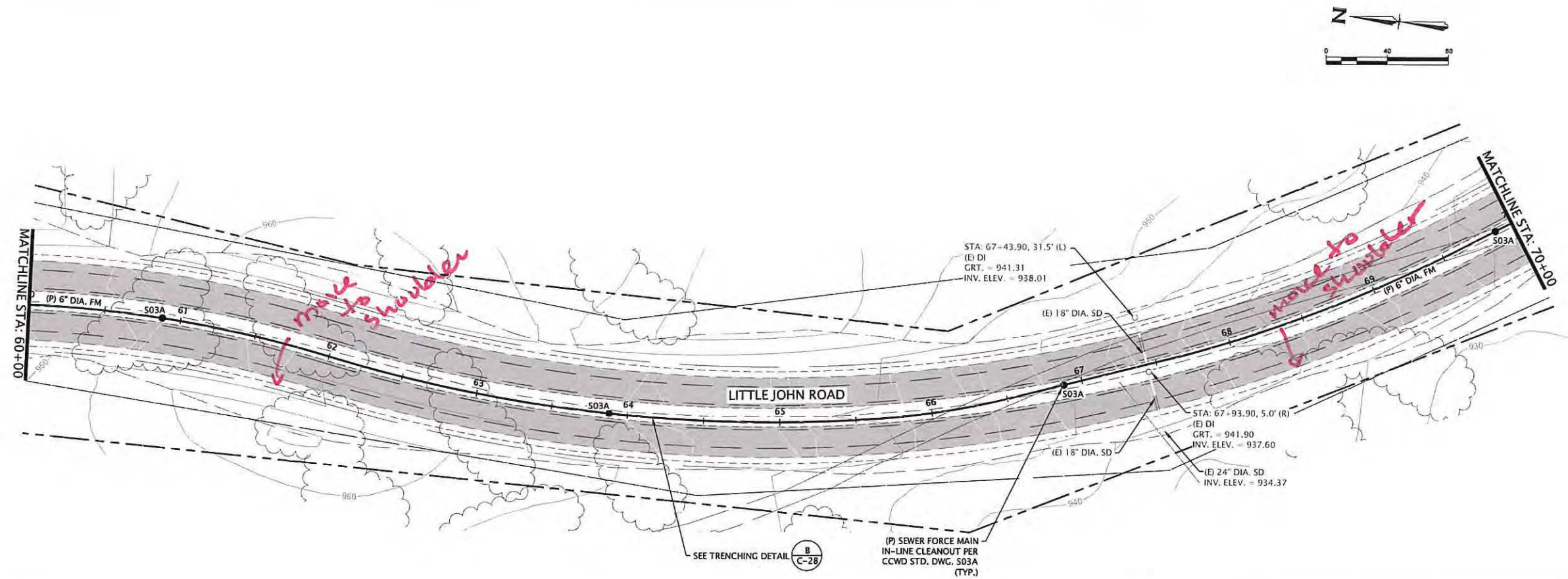


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SHT. 8 of SHT. 31

50% PLANS



FORCE MAIN PLAN AND PROFILE

HORZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 10'

FORCE MAIN - PLAN AND PROFILE, STA: 60+00 TO STA: 70+00

50% PLANS

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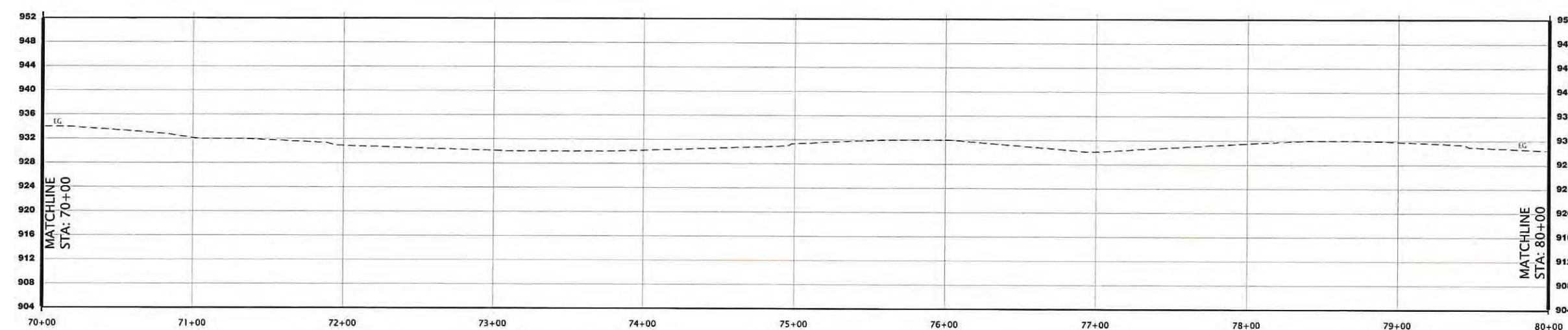
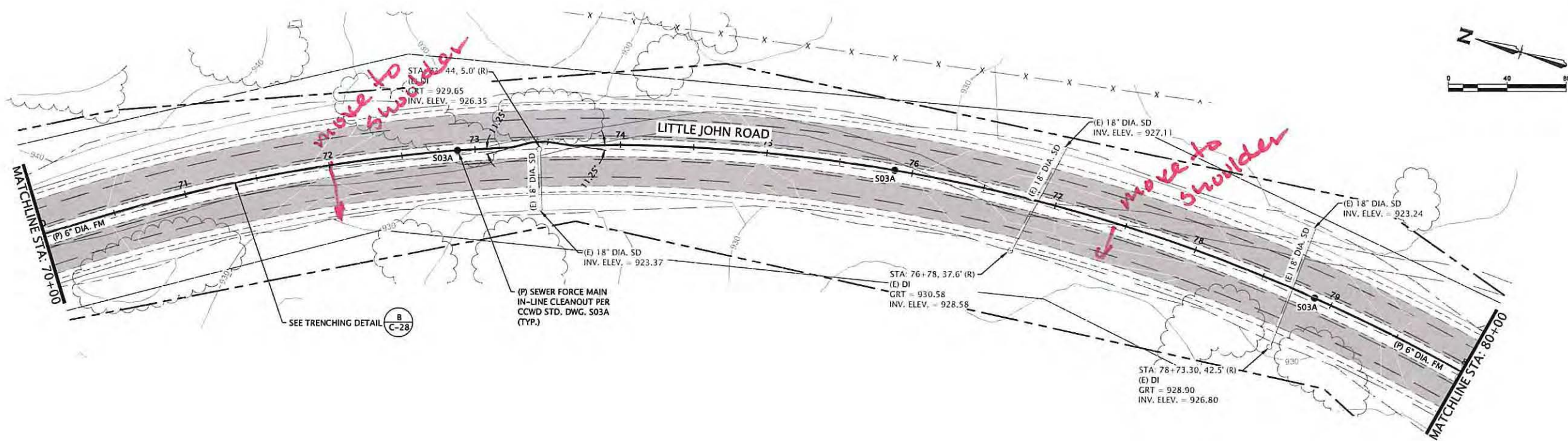
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COPPER VALLEY
FORCE MAIN
IMPROVEMENT PLANS,
PHASE I
CALAVERAS COUNTY CALIFORNIA



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DATE:	08/22/2023
SCALE:	AS SHOWN
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C-09



FORCE MAIN
PLAN AND PROFILE
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 10'

FORCE MAIN - PLAN AND PROFILE, STA: 70+00 TO STA: 80+00

50% PLANS

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REV. No.	DESCRIPTION

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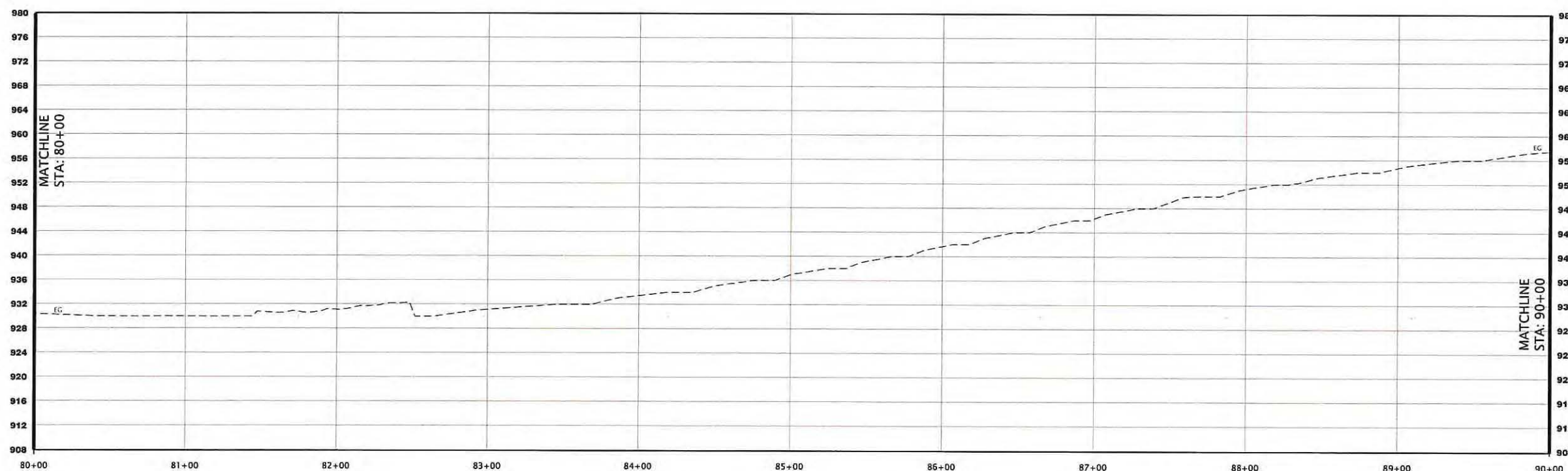
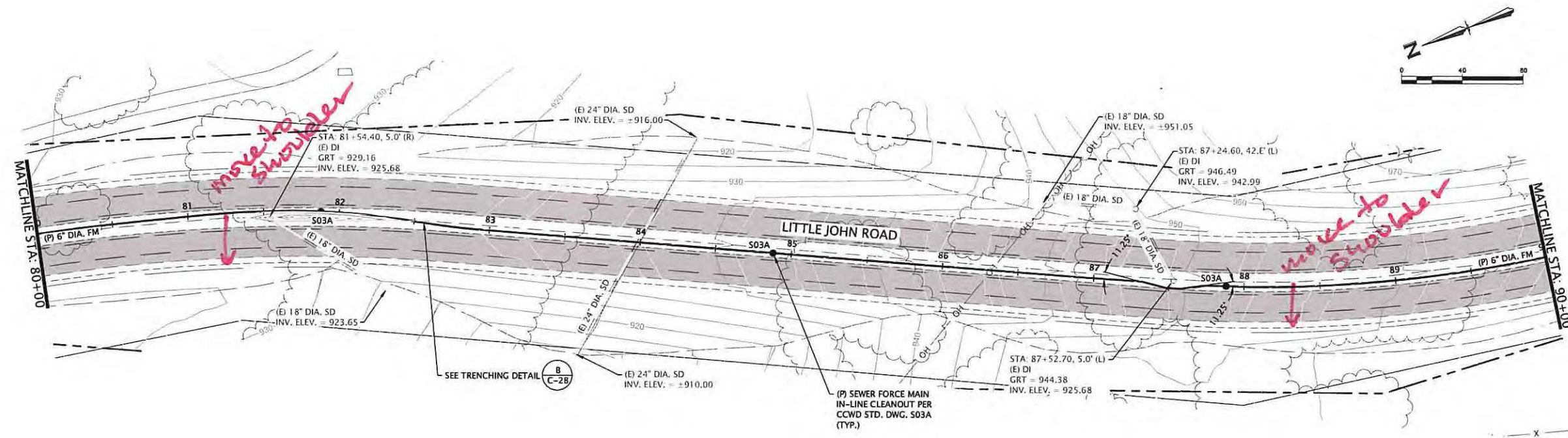
**COPPER VALLEY
FORCE MAIN
IMPROVEMENT PLANS,
PHASE I**

CALAVERAS COUNTY CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
MATTHEW STEPHEN CRITAL
No. 76594
CIVIL
STATE OF CALIFORNIA

PRJ. No.: 2986
DATE: 08/22/2023
SCALE: AS SHOWN
DRAWN BY: DMV
CHECKED BY: MSO

C-10
SHT. 10 of SHT. 31



**FORCE MAIN
PLAN AND PROFILE**
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 10'

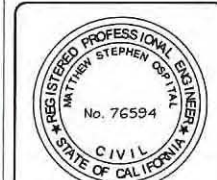
FORCE MAIN - PLAN AND PROFILE, STA: 80+00 TO STA: 90+00

50% PLANS

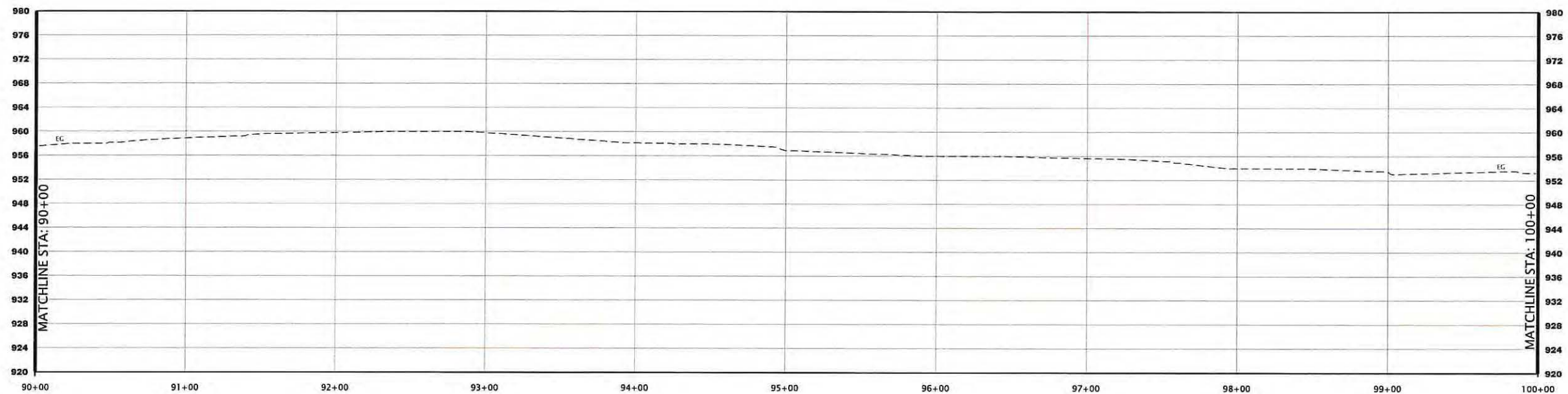
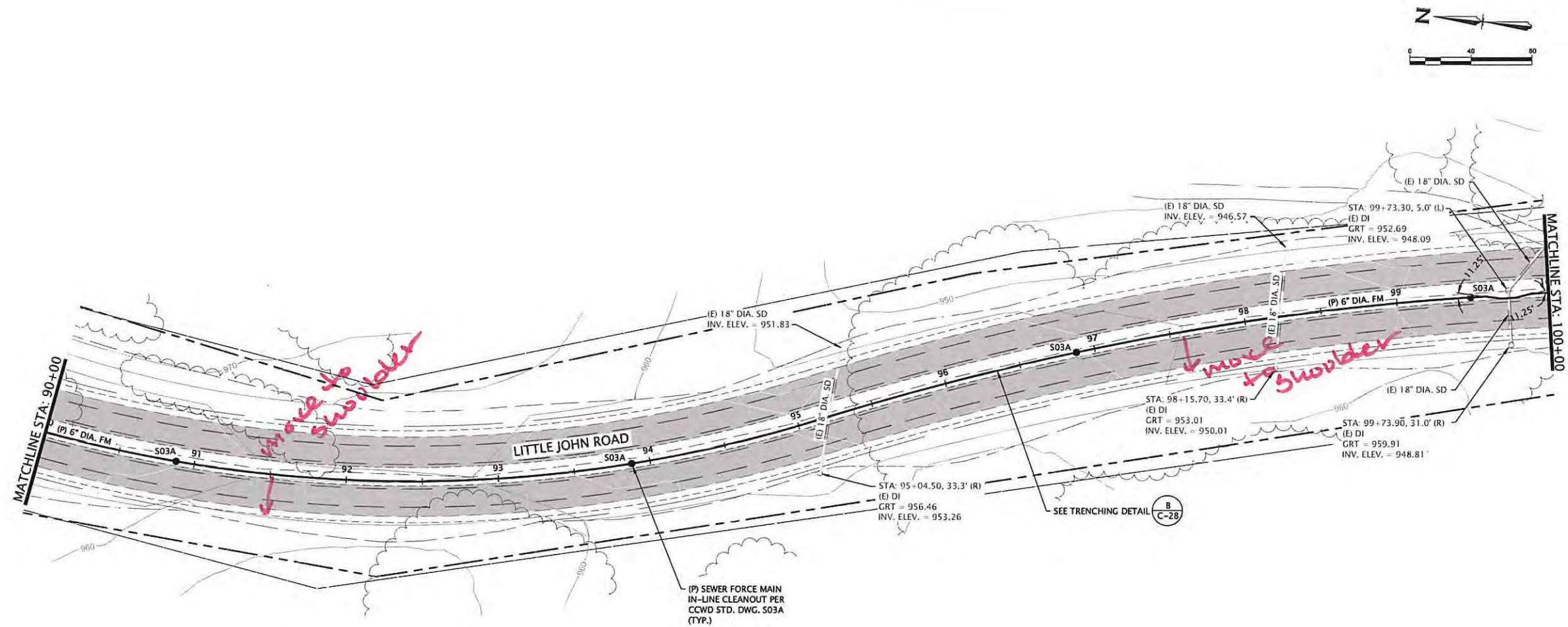
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WGA WEBER, GHIO & ASSOCIATES
civil engineering consultant
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(209) 754-1824

**COPPER VALLEY
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IMPROVEMENT PLANS,
PHASE I**
CALAVERAS COUNTY CALIFORNIA



PRJ. No.:	2986
DATE:	08/22/2023
SCALE:	AS SHOWN
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CHECKED BY:	MSO



FORCE MAIN PLAN AND PROFILE

HORZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 10'

FORCE MAIN - PLAN AND PROFILE, STA: 90+00 TO STA: 100+00

50% PLANS

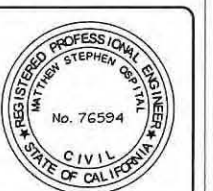
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civil engineering consultant

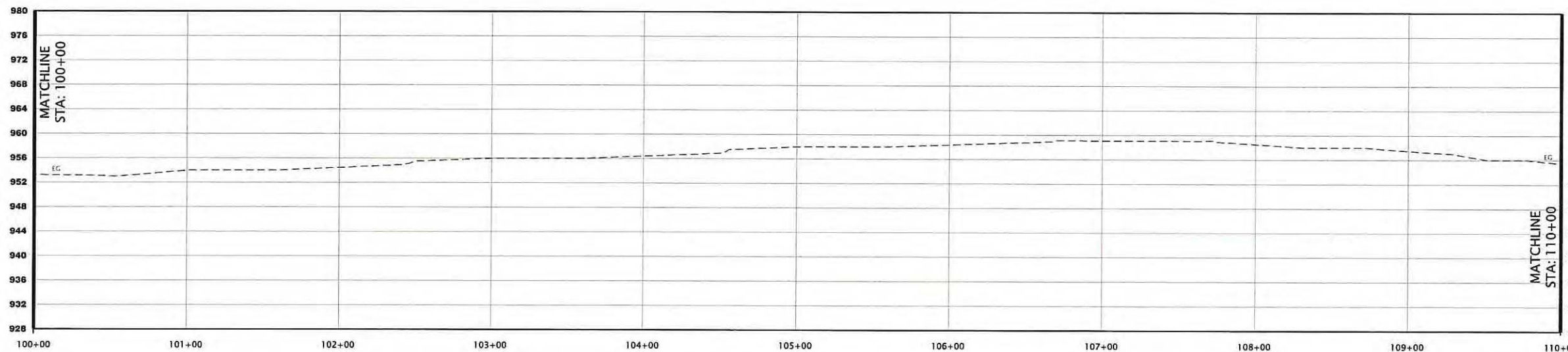
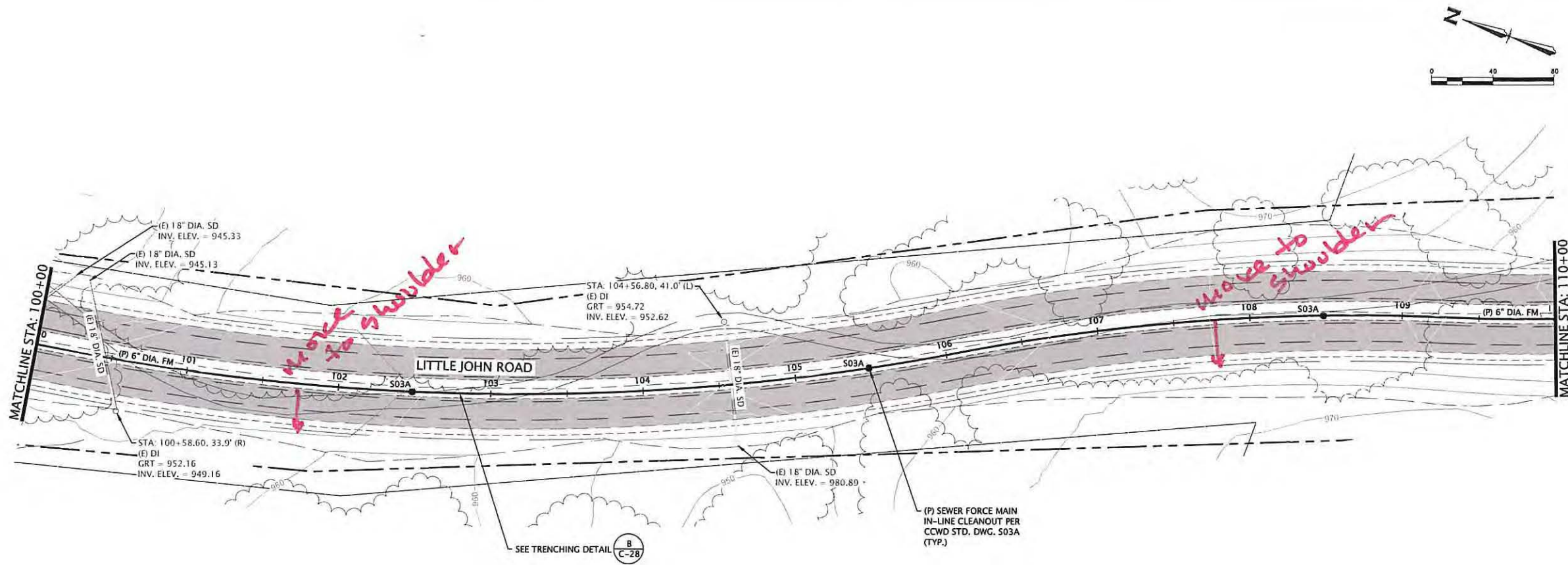
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**COPPER VALLEY
FORCE MAIN
IMPROVEMENT PLANS,
PHASE I**

CALAVERAS COUNTY CALIFORNIA



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DATE:	08/22/2023
SCALE:	AS SHOWN
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CHECKED BY:	MSO



FORCE MAIN
PLAN AND PROFILE
HORZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 20'

FORCE MAIN - PLAN AND PROFILE, STA: 100+00 TO STA: 110+00

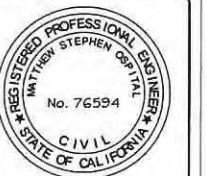
50% PLANS

REVISIONS		REV. DATE	BY
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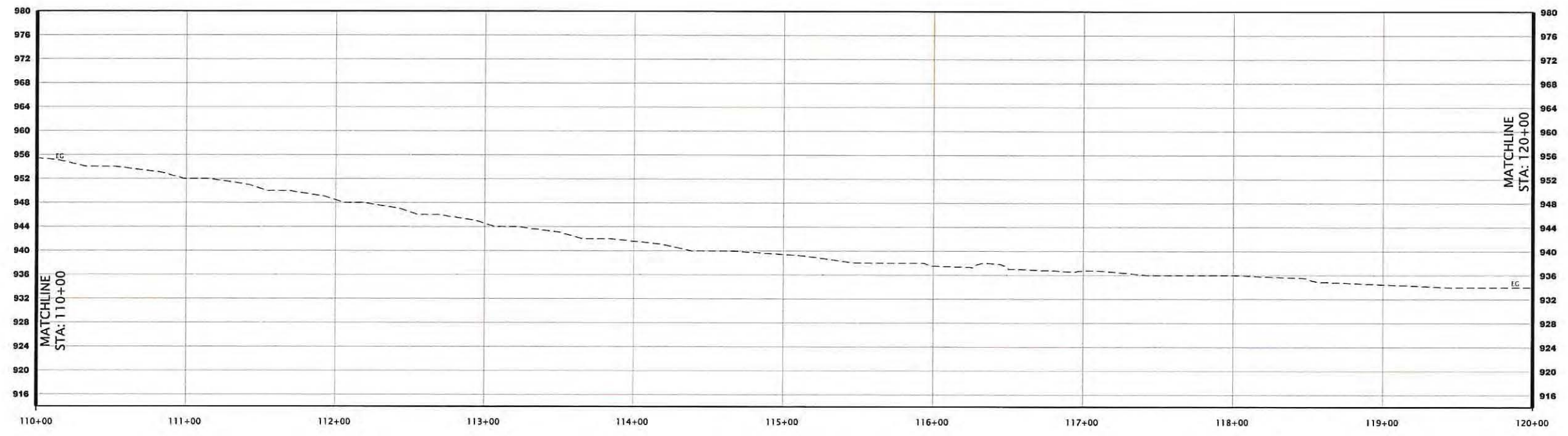
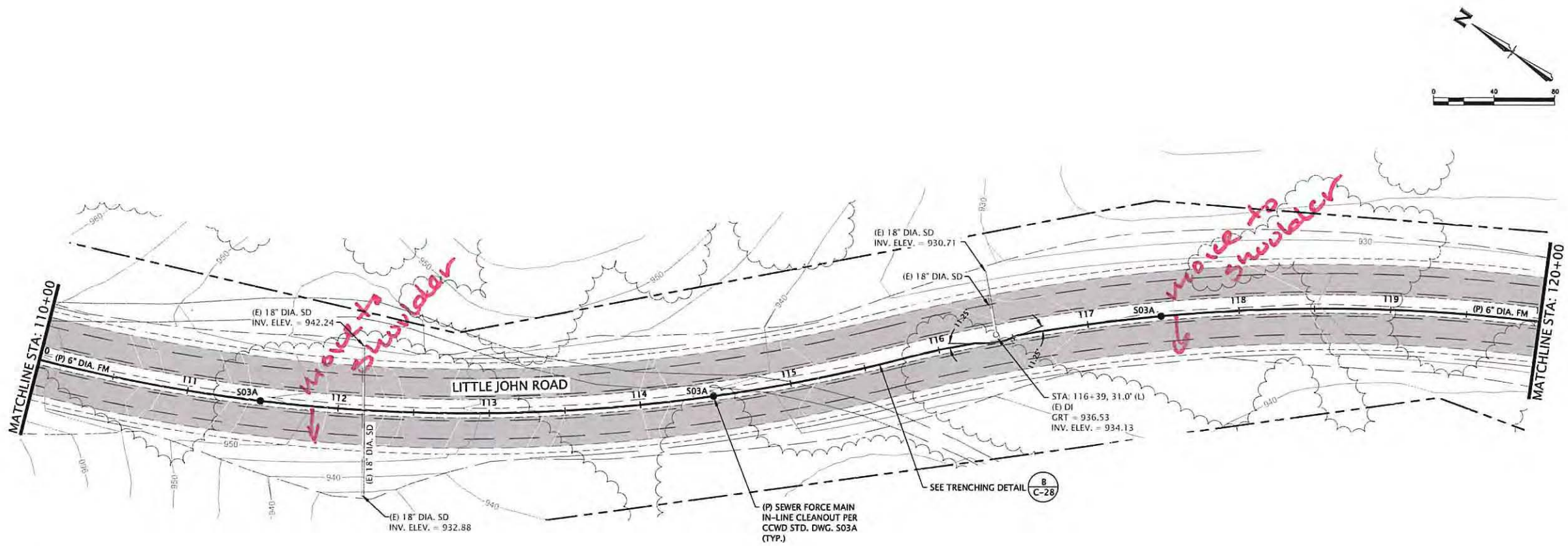
COPPER VALLEY
FORCE MAIN
IMPROVEMENT PLANS,
PHASE I

CALIFORNIA
CALAVERAS COUNTY



PRJ. No.: 2986
DATE: 08/22/2023
SCALE: AS SHOWN
DRAWN BY: DMV
CHECKED BY: MSO

C-13



FORCE MAIN
PLAN AND PROFILE
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 10'

FORCE MAIN - PLAN AND PROFILE, STA: 110+00 TO STA: 120+00

50% PLANS

REVISIONS		REV. No.	DESCRIPTION	REV. DATE	BY
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&
ASSOCIATES
civil engineering consultant

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COPPER VALLEY
FORCE MAIN
IMPROVEMENT PLANS,
PHASE I

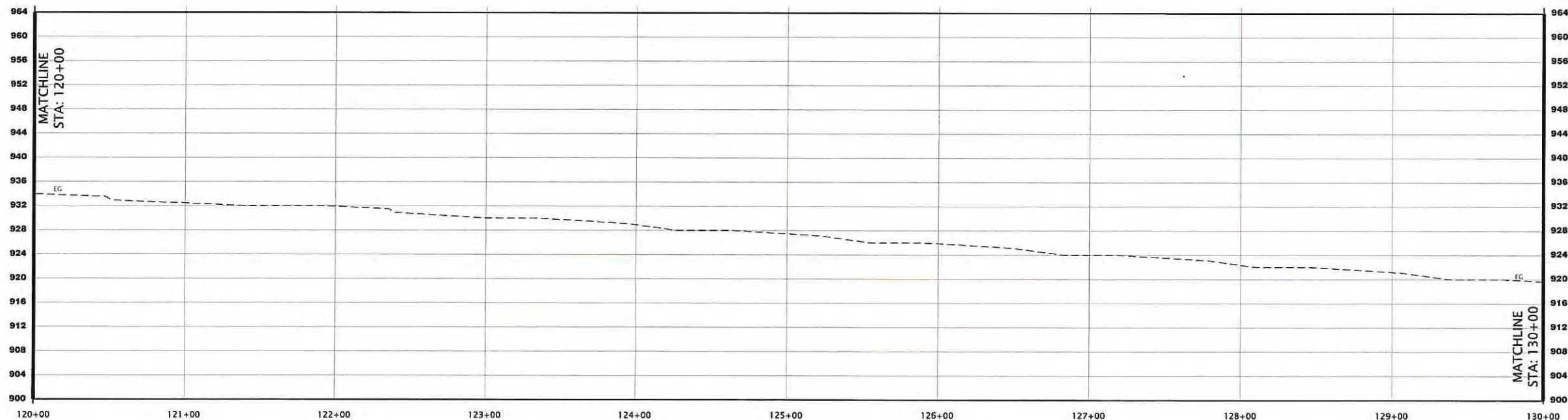
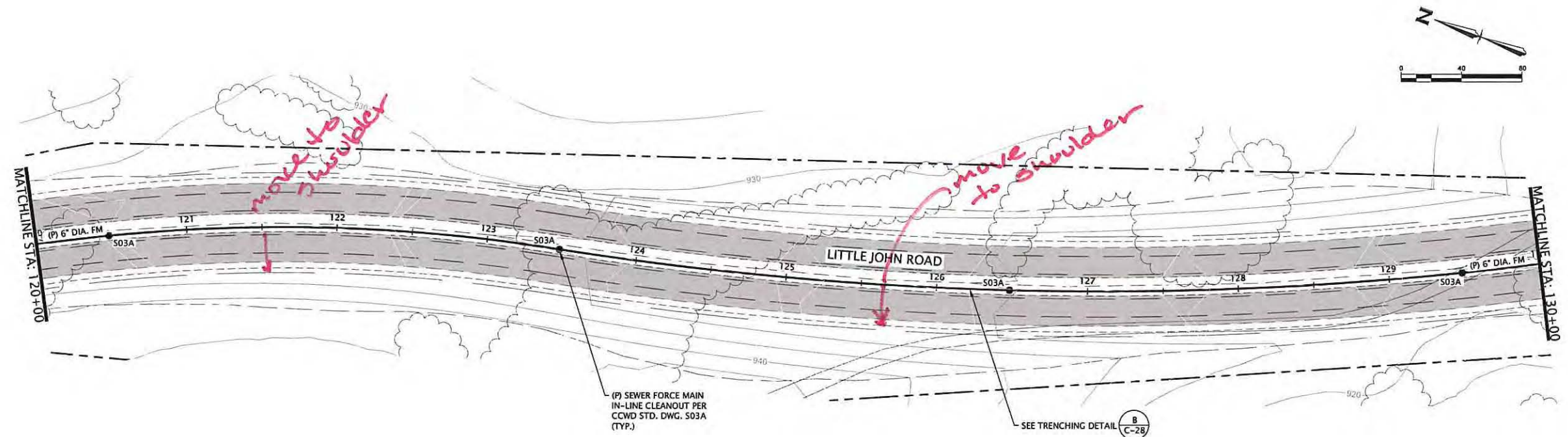
CALAVERAS COUNTY

CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
MATTHEW STEPHEN CRITAL
No. 76594
CIVIL
STATE OF CALIFORNIA

PRJ. No.: 2986
DATE: 08/22/2023
SCALE: AS SHOWN
DRAWN BY: DMV
CHECKED BY: MSO

C-14
SHT. 14 of SHT. 31



FORCE MAIN PLAN AND PROFILE

HORZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 10'

FORCE MAIN - PLAN AND PROFILE, STA: 120+00 TO STA: 130+00

50% PLANS

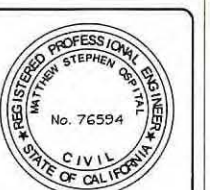
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COPPER VALLEY
FORCE MAIN
IMPROVEMENT PLANS,
PHASE I

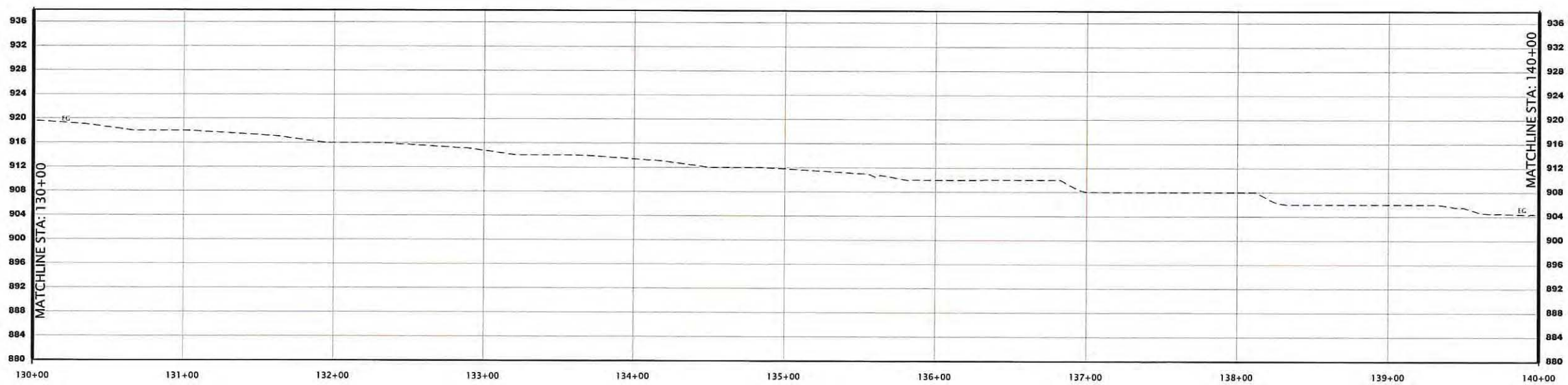
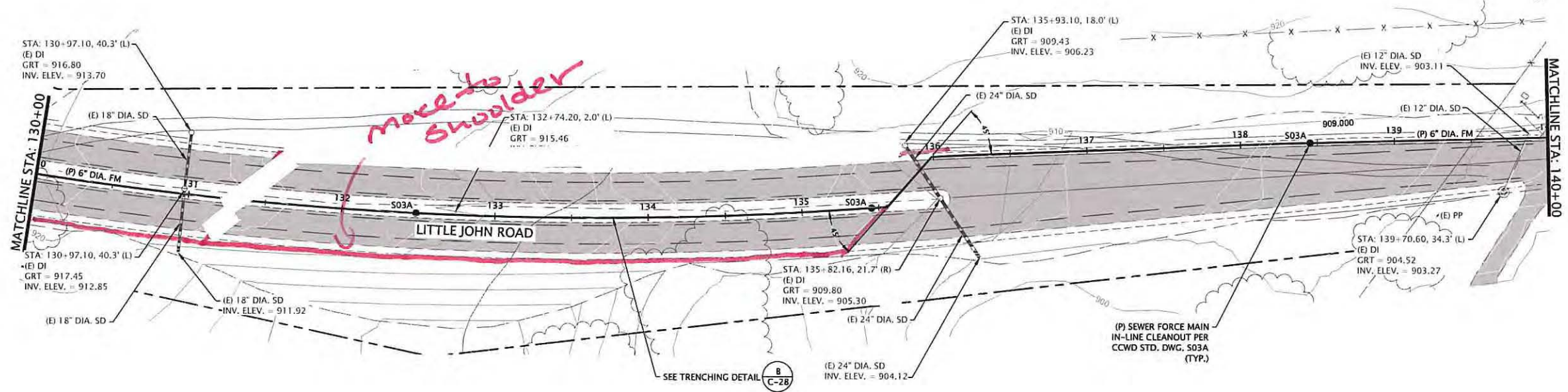
CALAVERAS COUNTY CALIFORNIA



PRJ. No.:	2986
DATE:	08/22/2023
SCALE:	AS SHOWN
DRAWN BY:	DMV
CHECKED BY:	MSO

C-15

SHT. 15 of SHT. 31



**FORCE MAIN
PLAN AND PROFILE**
 HORZ. SCALE: 1" = 40'
 VERT. SCALE: 1" = 10'

FORCE MAIN – PLAN AND PROFILE, STA: 130+00 TO STA: 140+00

50% PLANS


REVISIONS	
REV. NO.	DESCRIPTION



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**COPPER VALLEY
FORCE MAIN
IMPROVEMENT PLANS,
PHASE I**

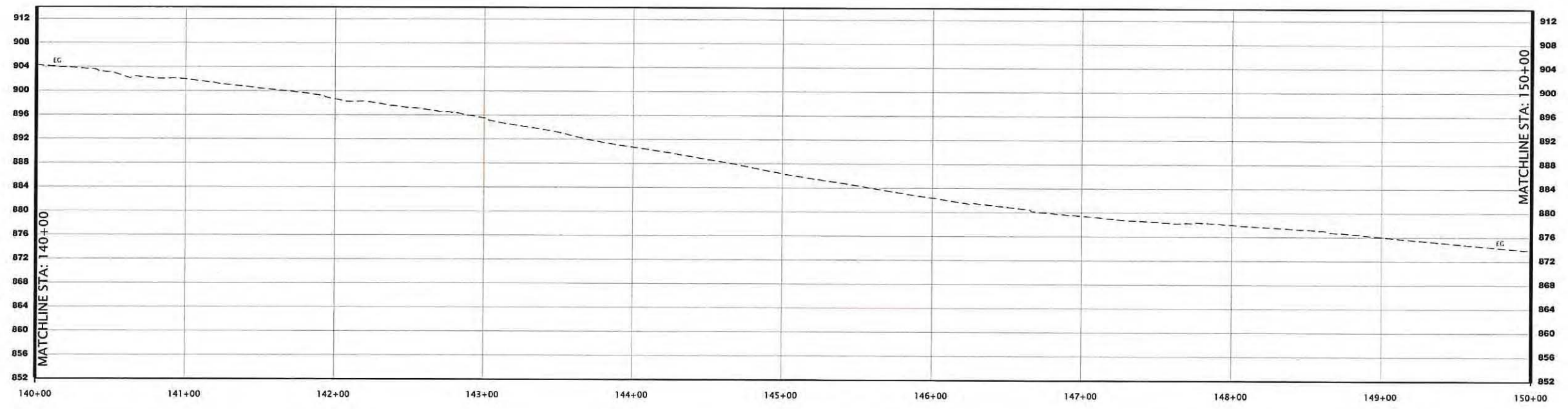
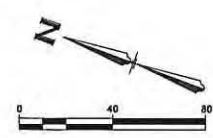
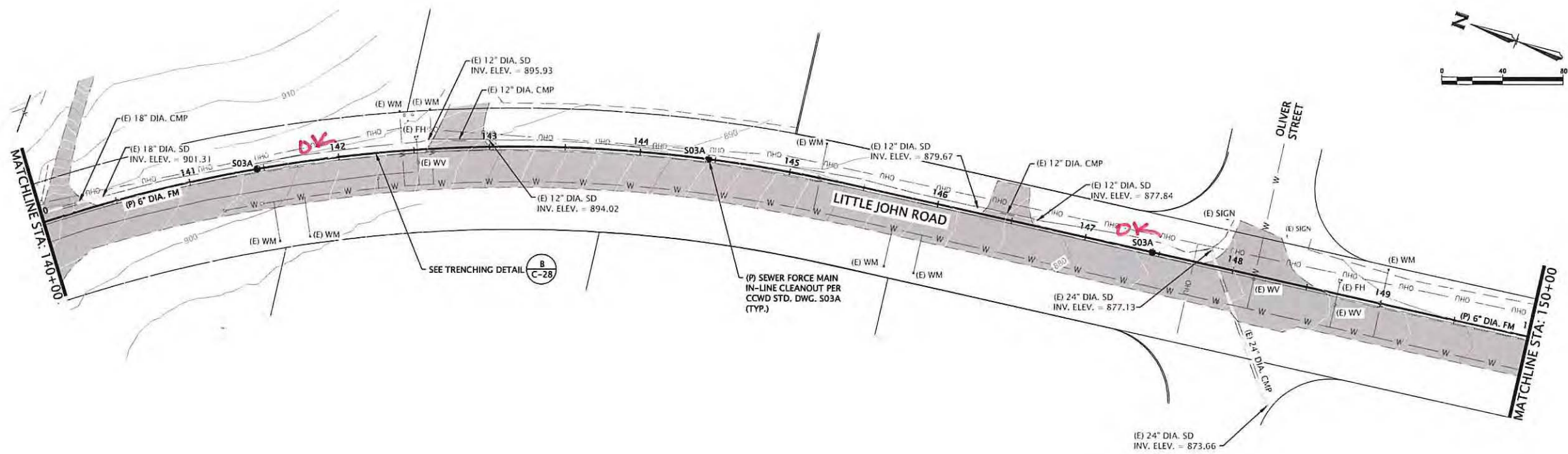
CALAVERAS COUNTY CALIFORNIA



PRJ. No.: 2986
 DATE: 08/22/2023
 SCALE: AS SHOWN
 DRAWN BY: DMV
 CHECKED BY: MSO

C-16

SHT. 16 of SH. 31



**FORCE MAIN
PLAN AND PROFILE**
 HORZ. SCALE: 1" = 40'
 VERT. SCALE: 1" = 10'

FORCE MAIN – PLAN AND PROFILE, STA: 140+00 TO STA: 150+00

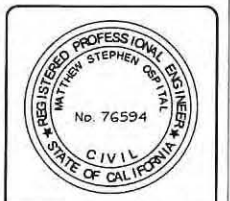
50% PLANS

REVISIONS		REV. No.	DESCRIPTION	REV. DATE	BY

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**COPPER VALLEY
FORCE MAIN
IMPROVEMENT PLANS,
PHASE I**

CALAVERAS COUNTY CALIFORNIA

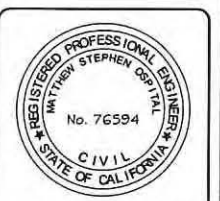


PRJ. No.:	2986
DATE:	08/22/2023
SCALE:	AS SHOWN
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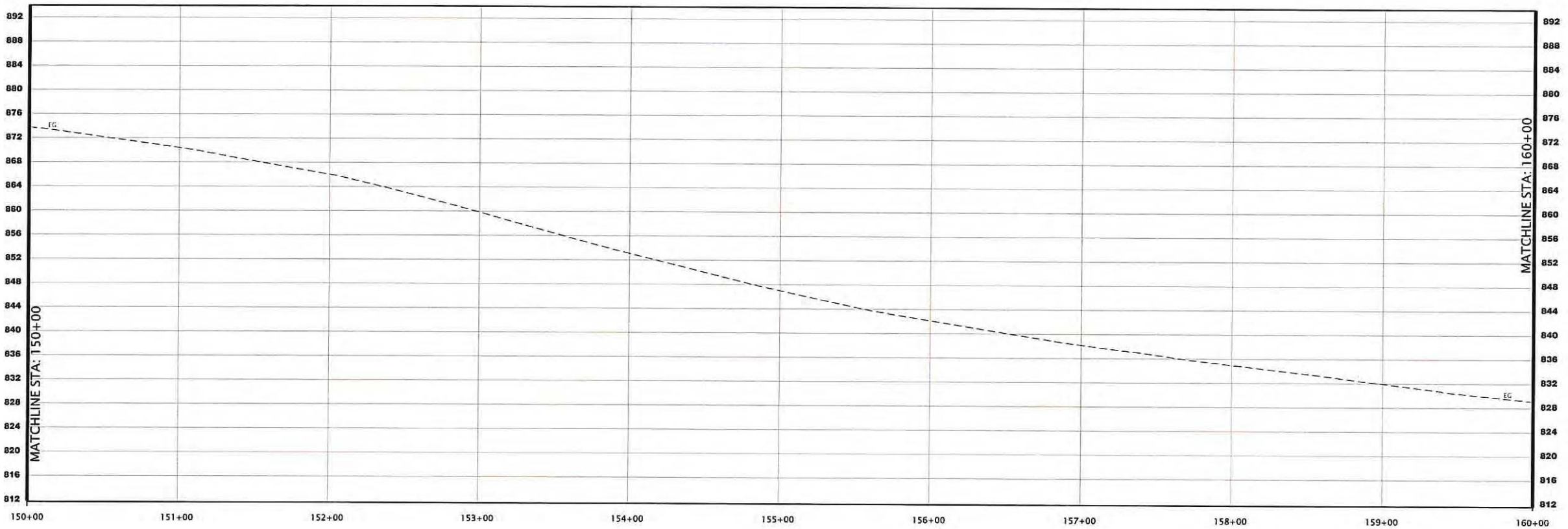
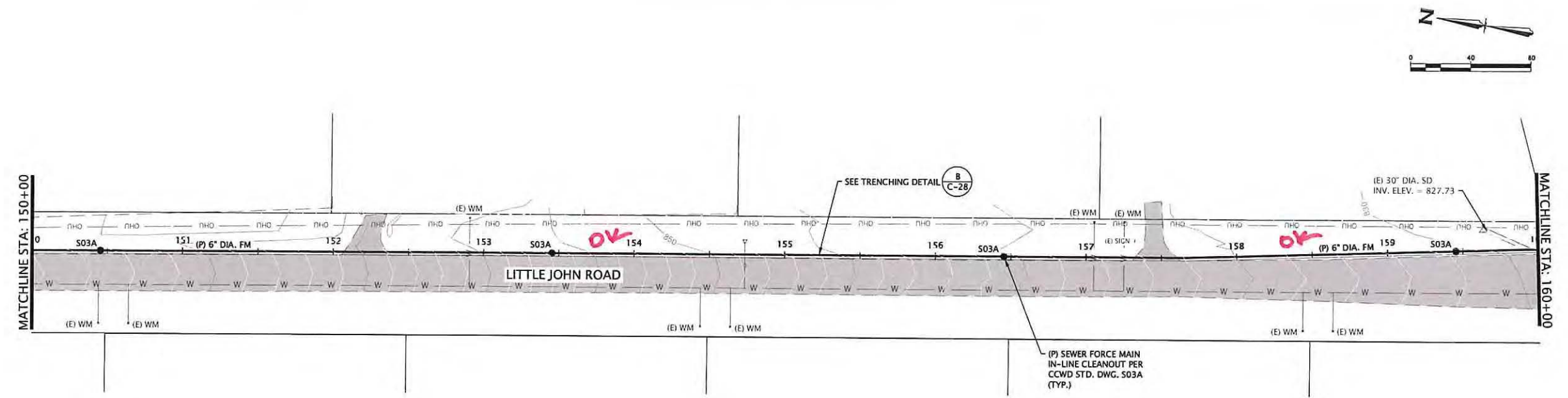
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COPPER VALLEY
FORCE MAIN
IMPROVEMENT PLANS,
PHASE I
CALAVERAS COUNTY CALIFORNIA



PRJ. No.:	2986
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SCALE:	AS SHOWN
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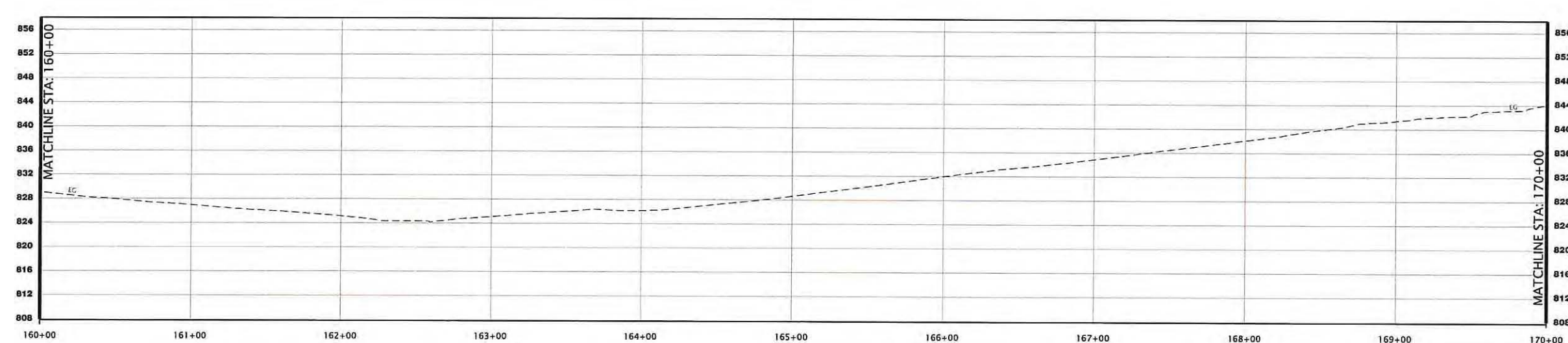
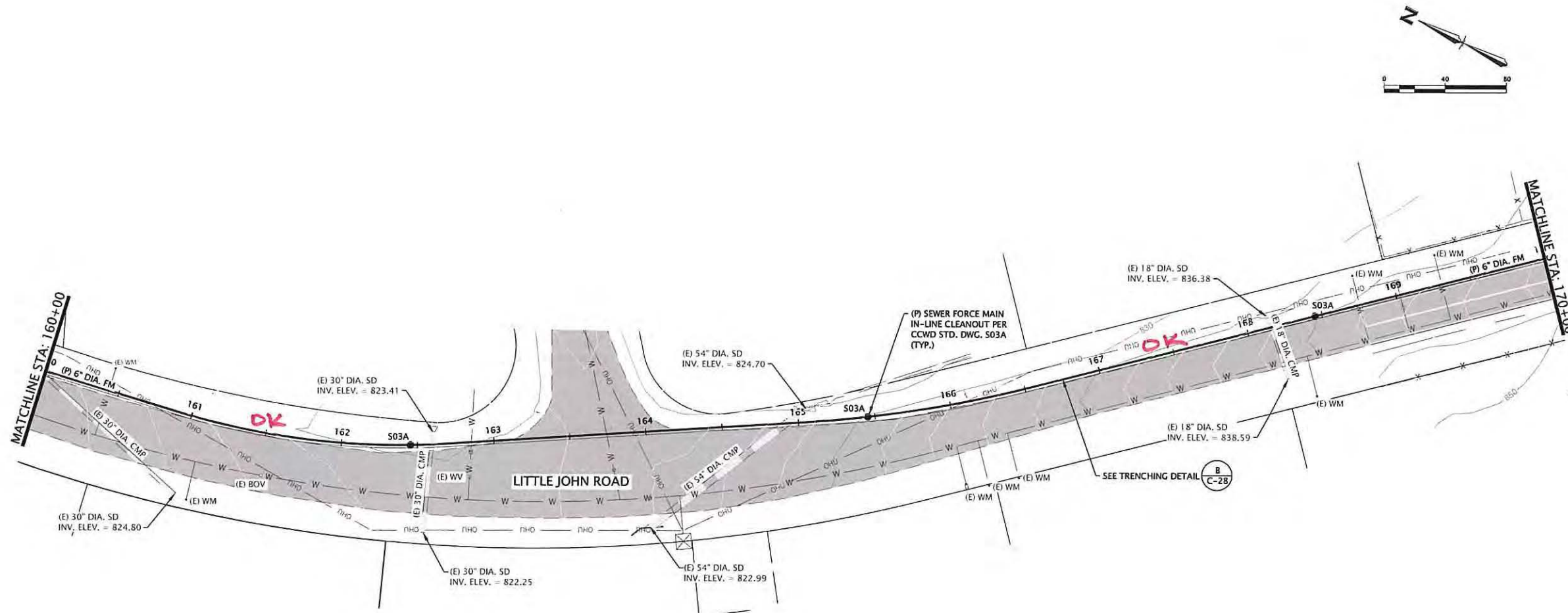
C-18
SHT. 18 of SHT. 31



**FORCE MAIN
PLAN AND PROFILE**
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 10'

FORCE MAIN - PLAN AND PROFILE, STA: 150+00 TO STA: 160+00

50% PLANS



**FORCE MAIN
PLAN AND PROFILE**
 HORIZ. SCALE: 1" = 40'
 VERT. SCALE: 1" = 10'

FORCE MAIN - PLAN AND PROFILE, STA: 160+00 TO STA: 170+00

50% PLANS

REVISIONS		
REV. No.	DESCRIPTION	REV. DATE

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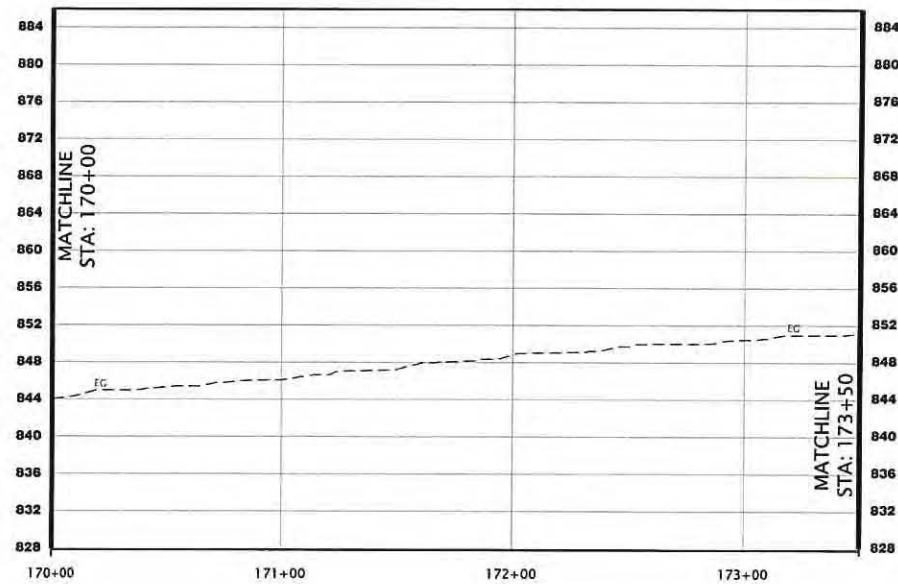
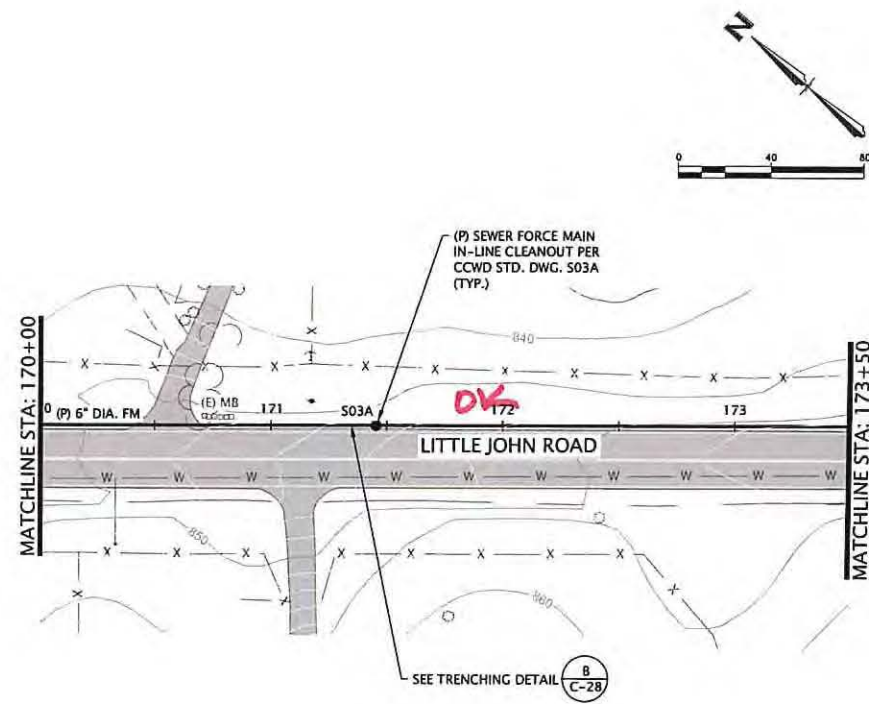
**COPPER VALLEY
FORCE MAIN
IMPROVEMENT PLANS,
PHASE I**

CALAVERAS COUNTY CALIFORNIA



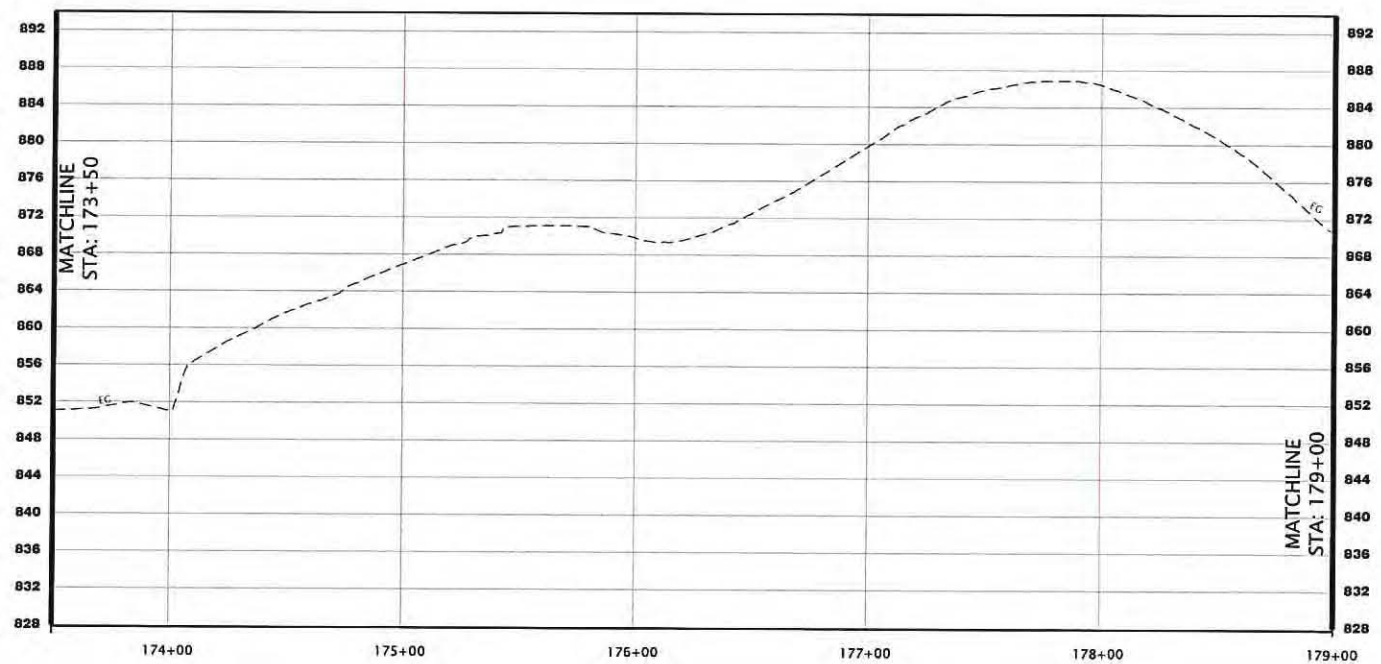
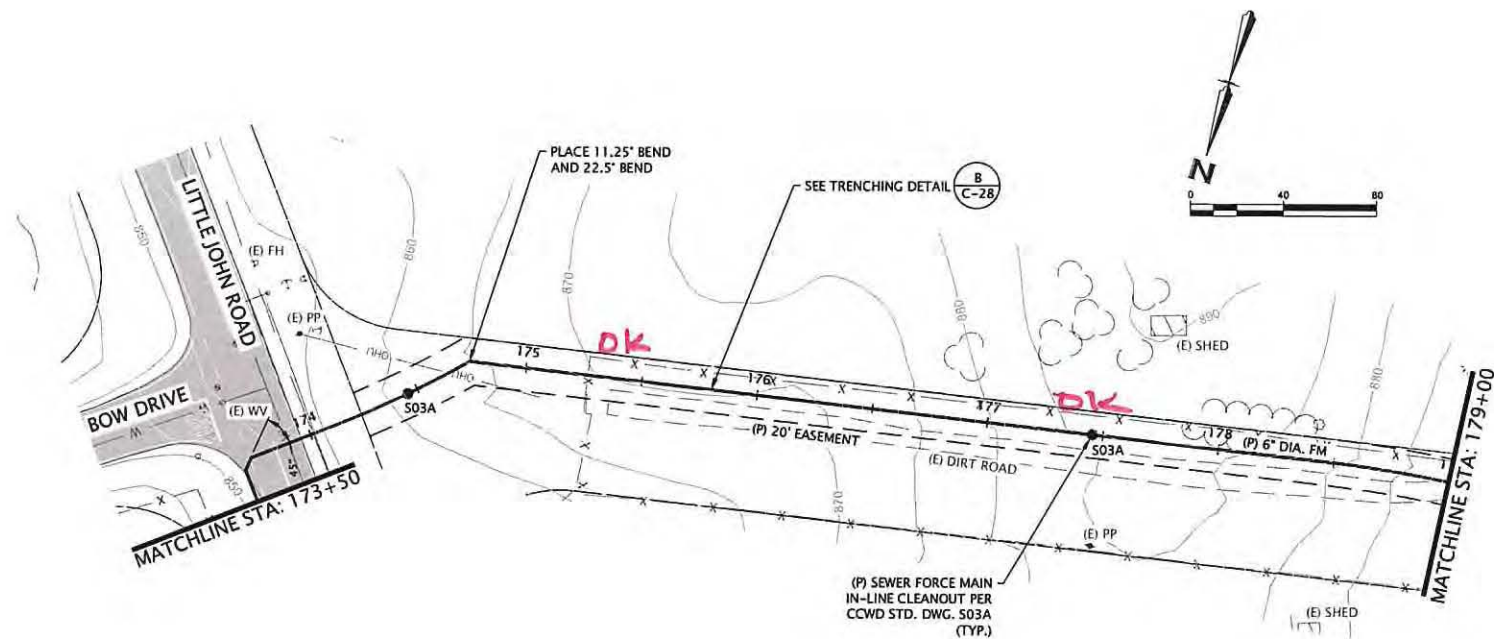
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DATE:	08/22/2023
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CHECKED BY:	MSO

C-19
 SHT. 19 of SHT. 31



**FORCE MAIN
PLAN AND PROFILE**

HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 10'



**FORCE MAIN
PLAN AND PROFILE**

HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 10'

FORCE MAIN - PLAN AND PROFILE, STA: 170+00 TO STA: 180+00

50% PLANS

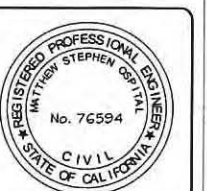
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**COPPER VALLEY
FORCE MAIN
IMPROVEMENT PLANS,
PHASE I**

CALAVERAS COUNTY CALIFORNIA



PRJ. No.:	2986
DATE:	08/22/2023
SCALE:	AS SHOWN
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CHECKED BY:	MSO

C-20

SHT. 20 of 21

3. Attachment C Species Lists:



Selected Elements by Scientific Name

California Department of Fish and Wildlife

California Natural Diversity Database



Query Criteria: Quad< IS (New Melones Dam (3712085) OR Knights Ferry (3712076) OR Keystone (3712075) OR Copperopolis (3712086) OR Salt Spring Valley (3812016) OR Angels Camp (3812015) OR Oakdale (3712077) OR Bachelor Valley (3712087) OR Jenny Lind (3812017))

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Acipenser medirostris pop. 1</i> green sturgeon - southern DPS	AFCAA01031	Threatened	None	G2T1	S1	SSC
<i>Actinemys marmorata</i> northwestern pond turtle	ARAAD02031	Proposed Threatened	None	G2	SNR	SSC
<i>Agelaius tricolor</i> tricolored blackbird	ABPBXB0020	None	Threatened	G1G2	S2	SSC
<i>Agrostis hendersonii</i> Henderson's bent grass	PMPOA040K0	None	None	G2Q	S2	3.2
<i>Allium tuolumnense</i> Rawhide Hill onion	PMLIL022W0	None	None	G2	S2	1B.2
<i>Ambystoma californiense pop. 1</i> California tiger salamander - central California DPS	AAAAA01181	Threatened	Threatened	G2G3T3	S3	WL
<i>Anodonta californiensis</i> California floater	IMBIV04220	None	None	G3	S2?	
<i>Antrozous pallidus</i> pallid bat	AMACC10010	None	None	G4	S3	SSC
<i>Athene cunicularia</i> burrowing owl	ABNSB10010	None	Candidate Endangered	G4	S2	SSC
<i>Bombus pensylvanicus</i> American bumble bee	IIHYM24260	None	None	G3G4	S2	
<i>Branchinecta lynchi</i> vernal pool fairy shrimp	ICBRA03030	Threatened	None	G3	S3	
<i>Brodiaea pallida</i> Chinese Camp brodiaea	PMLIL0C0C0	Threatened	Endangered	G1	S1	1B.1
<i>Buteo swainsoni</i> Swainson's hawk	ABNKC19070	None	Threatened	G5	S4	
<i>Calicina breva</i> Stanislaus harvestman	ILARAU8020	None	None	G1	S1	
<i>Calycadenia hooveri</i> Hoover's calycadenia	PDAST1P040	None	None	G2	S2	1B.3
<i>Calycadenia spicata</i> spicate calycadenia	PDAST1P090	None	None	G3?	S3	1B.3
<i>Chlorogalum grandiflorum</i> Red Hills soaproot	PMLIL0G020	None	None	G3	S3	1B.2
<i>Clarkia rostrata</i> beaked clarkia	PDONA050Y0	None	None	G2G3	S2S3	1B.3



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Corynorhinus townsendii</i> Townsend's big-eared bat	AMACC08010	None	None	G4	S2	SSC
<i>Cryptantha mariposae</i> Mariposa cryptantha	PDBOR0A1Q0	None	None	G2G3	S2S3	1B.3
<i>Cryptantha spithamaea</i> Red Hills cryptantha	PDBOR0A2M2	None	None	G2	S2	1B.3
<i>Desmocerus californicus dimorphus</i> valley elderberry longhorn beetle	IICOL48011	Threatened	None	G3T3	S3	
<i>Diplacus pulchellus</i> yellow-lip pansy monkeyflower	PDSCR1B280	None	None	G2	S2	1B.2
<i>Downingia pusilla</i> dwarf downingia	PDCAM060C0	None	None	GU	S2	2B.2
<i>Eremophila alpestris actia</i> California horned lark	ABPAT02011	None	None	G5T4Q	S4	WL
<i>Erethizon dorsatum</i> North American porcupine	AMAFJ01010	None	None	G5	S3	
<i>Eryngium pinnatisectum</i> Tuolumne button-celery	PDAP10Z0P0	None	None	G2	S2	1B.2
<i>Eryngium racemosum</i> Delta button-celery	PDAP10Z0S0	None	Endangered	G1	S1	1B.1
<i>Eryngium spinosepalum</i> spiny-sepaled button-celery	PDAP10Z0Y0	None	None	G2	S2	1B.2
<i>Erythranthe marmorata</i> Stanislaus monkeyflower	PDPHR01130	None	None	G2?	S2?	1B.1
<i>Eumops perotis californicus</i> western mastiff bat	AMACD02011	None	None	G4G5T4	S3S4	SSC
<i>Fritillaria agrestis</i> stinkbells	PMLIL0V010	None	None	G3	S3	4.2
<i>Hesperoleucus symmetricus serpentinus</i> Red Hills roach	AFCJB19028	None	None	GNRT1	S1	SSC
<i>Icteria virens</i> yellow-breasted chat	ABPBX24010	None	None	G5	S4	SSC
<i>Lagophylla dichotoma</i> forked hare-leaf	PDAST5J070	None	None	G2	S2	1B.1
<i>Lasionycteris noctivagans</i> silver-haired bat	AMACC02010	None	None	G3G4	S3S4	
<i>Lasiurus cinereus</i> hoary bat	AMACC05032	None	None	G3G4	S4	
<i>Lasiurus frantzii</i> western red bat	AMACC05080	None	None	G4	S3	SSC
<i>Lepidurus packardii</i> vernal pool tadpole shrimp	ICBRA10010	Endangered	None	G3	S3	



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Linderiella occidentalis</i> California linderiella	ICBRA06010	None	None	G2G3	S2S3	
<i>Lomatium congdonii</i> Congdon's lomatium	PDAP11B0B0	None	None	G2	S2	1B.2
<i>Lupinus spectabilis</i> shaggyhair lupine	PDFAB2B3P0	None	None	G2	S2	1B.2
<i>Monadenia mormonum buttoni</i> Button's Sierra sideband	IMGASC7071	None	None	G2T1T2	S1S2	
<i>Monadenia mormonum hirsuta</i> hirsute Sierra sideband	IMGASC7072	None	None	G2T1	S1	
<i>Monardella venosa</i> veiny monardella	PDLAM18082	None	None	G1	S1	1B.1
<i>Mylopharodon conocephalus</i> hardhead	AFCJB25010	None	None	G3	S3	SSC
<i>Myotis yumanensis</i> Yuma myotis	AMACC01020	None	None	G5	S4	
<i>Navarretia paradoxiclara</i> Patterson's navarretia	PDPLM0C150	None	None	G2	S2	1B.3
<i>Neostapfia colusana</i> Colusa grass	PMPOA4C010	Threatened	Endangered	G1	S1	1B.1
<i>Northern Hardpan Vernal Pool</i> Northern Hardpan Vernal Pool	CTT44110CA	None	None	G3	S3.1	
<i>Oncorhynchus mykiss irideus pop. 11</i> steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	G5T2Q	S2	SSC
<i>Pseudobahia bahiifolia</i> Hartweg's golden sunburst	PDAST7P010	Endangered	Endangered	G1	S1	1B.1
<i>Rhaphiomidas trochilus</i> San Joaquin Valley giant flower-loving fly	IIDIP05010	None	None	G1	S1	
<i>Scopelophila cataractae</i> tongue-leaf copper moss	NBMUS6U010	None	None	G3G4	S1	2B.2
<i>Senecio clevelandii var. heterophyllus</i> Red Hills ragwort	PDAST8H0R2	None	None	G4?T2Q	S2	1B.2
<i>Spea hammondi</i> western spadefoot	AAABF02020	Proposed Threatened	None	G2G3	S3S4	SSC
<i>Verbena californica</i> Red Hills vervain	PDVER0N050	Threatened	Threatened	G2	S2	1B.1

Record Count: 57



Multiple Occurrences per Page
California Department of Fish and Wildlife
California Natural Diversity Database



Query Criteria: Quad< IS (New Melones Dam (3712085) OR Knights Ferry (3712076) OR Keystone (3712075) OR Copperopolis (3712086) OR Salt Spring Valley (3812016) OR Angels Camp (3812015) OR Oakdale (3712077) OR Bachelor Valley (3712087) OR Jenny Lind (3812017))

Ambystoma californiense pop. 1				Element Code: AAAAA01181	
California tiger salamander - central California DPS					
Listing Status:	Federal:	Threatened	CNDDB Element Ranks:	Global:	G2G3T3
	State:	Threatened		State:	S3
	Other:	CDFW_WL-Watch List, IUCN_VU-Vulnerable			
Habitat:	General:	LIVES IN VACANT OR MAMMAL-OCCUPIED BURROWS THROUGHOUT MOST OF THE YEAR; IN GRASSLAND, SAVANNA, OR OPEN WOODLAND HABITATS.			
	Micro:	NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS, AND VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING.			
Occurrence No.	131	Map Index: 24665	EO Index: 6526	Element Last Seen:	1993-04-23
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1993-04-23
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1993-11-02
Quad Summary: Knights Ferry (3712076)					
County Summary: Stanislaus					
Lat/Long:	37.80311 / -120.70925		Accuracy:	1/5 mile	
UTM:	Zone-10 N4186441 E701671		Elevation (ft):	260	
PLSS:	T01S, R11E, Sec. 36, SE (M)		Acres:	0.0	
Location:	SOUTH OF HWY 120, 8 MILES EAST OF OAKDALE.				
Detailed Location:	LARVAE FOUND IN 2 TEMPORARY PONDS, LOCATED 100 FEET SOUTH OF HWY 120 AND 0.3 MILE WEST OF "STA 1400" HWY MARKER.				
Ecological:	HABITAT CONSISTS OF TWO SMALL TEMPORARY PONDS SURROUNDED BY GRAZED ANNUAL GRASSLAND. 1 BULLFROG TADPOLE OBSERVED IN ONE OF THE PONDS.				
General:	AN UNKNOWN NUMBER OF AMBYSTOMA LARVAE WERE OBSERVED IN 2 TEMPORARY PONDS ON 15 APRIL 1993; BY 23 APRIL, THE PONDS WERE ALMOST DRY, THE LARVAE WERE GONE, AND RACCOON TRACKS WERE ABUNDANT IN THE AREA.				
Owner/Manager:	PVT				
Occurrence No.	226	Map Index: 33081	EO Index: 19331	Element Last Seen:	1994-04-08
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1994-04-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1995-03-23
Quad Summary: Oakdale (3712077)					
County Summary: Stanislaus					
Lat/Long:	37.84694 / -120.77152		Accuracy:	1/5 mile	
UTM:	Zone-10 N4191173 E696072		Elevation (ft):	250	
PLSS:	T01S, R11E, Sec. 16 (M)		Acres:	0.0	
Location:	SOUTH SIDE OF FRANKENHEIMER ROAD, 1.5 MILES SOUTH OF SONORA ROAD, 6 MILES NE OF OAKDALE.				
Detailed Location:					
Ecological:					
General:	COLLECTION #RS-NC-2, CAPTURED AND RELEASED ON-SITE.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	230	Map Index:	25068	EO Index:	20825	Element Last Seen:	1993-04-13
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1993-04-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1994-02-08
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.80049 / -120.80738				Accuracy:	specific area	
UTM:	Zone-10 N4185944 E693038				Elevation (ft):	160	
PLSS:	T01S, R11E, Sec. 31 (M)				Acres:	1.7	
Location:	JUST NORTH OF RODDEN CREEK, 0.5 MILE NE OF RODDEN ROAD, 1.5 MILES EAST OF TWENTYEIGHT MILE ROAD, OAKDALE.						
Detailed Location:	MAN-MADE LAKE LOCATED 1300 FEET EAST OF A PRIVATE ROAD WEST OF RODDEN CREEK AND RUNNING PARALLEL TO IT.						
Ecological:	HABITAT SURROUNDING MAN-MADE LAKE CONSISTS OF GRAZED ANNUAL GRASSLANDS.						
General:	AN UNKNOWN NUMBER OF CTS OBSERVED ON 13 APRIL 1993. ACCORDING TO LANDOWNER, POND DRIED OUT IN 1992, KILLING ALL STOCKED FISH.						
Owner/Manager:	PVT						
Occurrence No.	231	Map Index:	25065	EO Index:	20832	Element Last Seen:	1993-04-15
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	1993-04-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1994-02-18
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.80123 / -120.83773				Accuracy:	1/5 mile	
UTM:	Zone-10 N4185963 E690364				Elevation (ft):	190	
PLSS:	T01S, R10E, Sec. 35 (M)				Acres:	0.0	
Location:	SOUTH OF THE JUNCTION OF TULLOCH AND BURNETT LATERALS, EAST OF TWENTYEIGHT MILE RD, 1 MILE NORTH OF GILBERT RD, OAKDALE.						
Detailed Location:	TEMPORARY POND LOCATED 1000 FEET EAST OF TWENTYEIGHT MILE ROAD.						
Ecological:	HABITAT SURROUNDING TEMPORARY POND CONSISTED OF GRAZED ANNUAL GRASSLAND AND ORCHARDS.						
General:	AN UNKNOWN NUMBER OF CTS OBSERVED ON 15 APRIL 1993. AN UNIDENTIFIED SPECIES OF TADPOLE SHRIMP ALSO FOUND HERE.						
Owner/Manager:	PVT						



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Occurrence No.	232	Map Index:	25067	EO Index:	20834	Element Last Seen:	1993-04-13
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1993-04-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1994-02-08
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.79774 / -120.81263				Accuracy:	specific area	
UTM:	Zone-10 N4185628 E692583				Elevation (ft):	180	
PLSS:	T02S, R11E, Sec. 06 (M)				Acres:	4.3	
Location:	JUST NE OF RODDEN ROAD, 1.5 MILES EAST OF TWENTYEIGHT MILE ROAD, OAKDALE.						
Detailed Location:	LARGE, TEMPORARY LAKE, LOCATED 100 FEET EAST OF A PRIVATE ROAD WEST OF AND RUNNING PARALLEL TO RODDEN CREEK.						
Ecological:	HABITAT SURROUNDING TEMPORARY LAKE CONSISTS OF GRAZED ANNUAL GRASSLAND.						
General:	AN UNKNOWN NUMBER OF CTS OBSERVED ON 13 APRIL 1993.						
Owner/Manager:	PVT						

Occurrence No.	233	Map Index:	25066	EO Index:	20835	Element Last Seen:	1993-04-29
Occ. Rank:	Poor			Presence:	Presumed Extant	Site Last Seen:	1993-04-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1994-02-08
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.80169 / -120.81887				Accuracy:	1/5 mile	
UTM:	Zone-10 N4186053 E692023				Elevation (ft):	200	
PLSS:	T01S, R10E, Sec. 36 (M)				Acres:	0.0	
Location:	JUST EAST OF PERSIMMON HILL ROAD, 0.4 MILE NORTH OF RODDEN ROAD, 1.2 MILES EAST OF TWENTYEIGHT MILE ROAD, OAKDALE.						
Detailed Location:	TWO PONDS, LOCATED ABOUT 50 FEET EAST OF PERSIMMON HILL (PRIVATE) ROAD.						
Ecological:	TWO PONDS ARE FOUND ON THE SOUTH END OF A FRESHWATER MARSH; SURROUNDING HABITAT CONSISTS OF ROLLING HILLS/ANNUAL GRASSLAND.						
General:	AN UNKNOWN NUMBER OF CTS OBSERVED ON 29 APRIL 1993.						
Owner/Manager:	PVT						

Occurrence No.	291	Map Index:	12533	EO Index:	28420	Element Last Seen:	1975-XX-XX
Occ. Rank:	None			Presence:	Extirpated	Site Last Seen:	1975-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2001-09-04
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.76742 / -120.85327				Accuracy:	1 mile	
UTM:	Zone-10 N4182180 E689081				Elevation (ft):	150	
PLSS:	T02S, R10E, Sec. 15 (M)				Acres:	0.0	
Location:	OAKDALE.						
Detailed Location:							
Ecological:							
General:	MVZ 10684 COLLECTED BY E.R. SCHNEIDER 28 NOV 1927. OBSERVED BY PACIFIC GAS & ELECTRIC CO. BIOLOGIST IN 1975. JENNINGS CONSIDERS THIS SITE EXTIRPATED.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	500	Map Index:	46417	EO Index:	46417	Element Last Seen:	1988-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1988-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2008-11-25
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.91538 / -120.81148				Accuracy:	non-specific area	
UTM:	Zone-10 N4198684 E692378				Elevation (ft):	200	
PLSS:	T01N, R11E, Sec. 30 (M)				Acres:	224.5	
Location:	ALONG DUNTON ROAD, BACHELOR VALLEY, NORTH OF WOODWARD RESERVOIR, NORTH OF OAKDALE.						
Detailed Location:	SOURCE DOCUMENT GIVES ROAD NAME AS "DENTON" ROAD.						
Ecological:							
General:	DURING A 1973 TO 1988 FOOD HABITS STUDY MANY AOR AND DOR SALAMANDERS WERE OBSERVED.						
Owner/Manager:	UNKNOWN						

Occurrence No.	1030	Map Index:	A2317	EO Index:	103931	Element Last Seen:	2013-02-05
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2013-02-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-10-21
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.75795 / -120.72321				Accuracy:	specific area	
UTM:	Zone-10 N4181401 E700565				Elevation (ft):	232	
PLSS:	T02S, R11E, Sec. 14 (M)				Acres:	59.0	
Location:	VICINITY OF HETCH HETCHY AQUEDUCT, FROM ABOUT 0.3 TO 0.8 MILES NE OF THE FOGARTY RD CROSSING, 3.2 MILES NW OF PAULSELL.						
Detailed Location:	MAPPED TO INCLUDE PROVIDED COORDINATES AND MAPPED LOCATIONS.						
Ecological:	FLAT, NON-NATIVE GRASSLAND INTERSPERSED WITH VERNAL POOLS. DETECTIONS ALONG SFPUC RIGHT-OF-WAY.						
General:	EGGS & LARVAE FOUND IN 8 POOLS DURING 2010-2011 WET SEASON SURVEYS. 1 ADULT RELOCATED HERE FROM NEARBY CONSTRUCTION SITE (OCC #1239); LARVAE OBSERVED IN 6-7 POOLS DURING 2013 CONSTRUCTION MONITORING.						
Owner/Manager:	SFPUC						



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Occurrence No.	1031	Map Index:	A2318	EO Index:	103932	Element Last Seen:	2013-02-05
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2013-02-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-10-21
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.76396 / -120.70898				Accuracy:	80 meters	
UTM:	Zone-10 N4182098 E701802				Elevation (ft):	260	
PLSS:	T02S, R11E, Sec. 13, NE (M)				Acres:	5.0	
Location:	VICINITY OF HETCH HETCHY AQUEDUCT, ABOUT 1.5 MILES NE OF THE FOGARTY RD CROSSING, 3.3 MILES NNW OF PAULSELL.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES.						
Ecological:	MOSTLY BARREN CONSTRUCTION AREA IN SFPUC RIGHT-OF-WAY, SURROUNDED BY NON-NATIVE GRASSLAND. INDIVIDUAL FOUND IN VOLE SURFACE TUNNELS, UNDER PIECE OF PLYWOOD.						
General:	1 ADULT FEMALE FOUND DURING CONSTRUCTION ON 5 FEB 2013 AND RELOCATED TO BURROW ADJACENT TO NEARBY VERNAL POOLS (OCC #1238).						
Owner/Manager:	SFPUC						

Occurrence No.	1141	Map Index:	33068	EO Index:	118424	Element Last Seen:	1995-03-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1995-03-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-05-18
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.98510 / -120.84158				Accuracy:	1/5 mile	
UTM:	Zone-10 N4206360 E689552				Elevation (ft):	240	
PLSS:	T02N, R10E, Sec. 35, NE (M)				Acres:	0.0	
Location:	EAST SIDE OF MILTON ROAD, 2.7 MILES NORTH OF HIGHWAY 4, ABOUT 2.5 MILES SOUTH OF MILTON.						
Detailed Location:	MAPPED TO PROVIDED TOPO MAP FOR RECORD 95-102.						
Ecological:							
General:	DETECTED HERE ON 16 MAR 1995.						
Owner/Manager:	UNKNOWN						

Spea hammondi

Element Code: AAABF02020

western spadefoot

Listing Status: **Federal:** Proposed Threatened

CNDDB Element Ranks: **Global:** G2G3

State: None

State: S3S4

Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened

Habitat: **General:** OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro: VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.



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Occurrence No.	15	Map Index:	20938	EO Index:	9393	Element Last Seen:	1990-07-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1990-07-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1992-04-10
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.84625 / -120.71781			Accuracy:	80 meters		
UTM:	Zone-10 N4191210 E700800			Elevation (ft):	250		
PLSS:	T01S, R11E, Sec. 13 (M)			Acres:	0.0		
Location:	ON THE WEST SIDE OF SONORA ROAD, 3.4 MI NW OF KNIGHTS FERRY.						
Detailed Location:	LARVAE WERE FOUND IN A 10' X 6' POOL, AT THE OUTFALL OF A CULVERT UNDER SONORA ROAD, IN A SMALL EPHEMERAL STREAM, TRIBUTARY TO LITTLEJOHNS CREEK.						
Ecological:	SURROUNDING HABITAT CONSISTS OF INTRODUCED ANNUAL GRASSLAND.						
General:	THIS WAS THE ONLY STANDING WATER AWAY FROM LITTLEJOHNS CREEK. A WINDMILL 150 M NORTH OF THE POOL WAS PUMPING WATER INTO A LIVESTOCK TROUGH MAY HAVE BEEN THE SOURCE OF THE WATER FOR THE POOL IN THE STREAMBED. 19 LARVAE & 1 JUVENILE OBSERVED.						
Owner/Manager:	PVT						

Occurrence No.	34	Map Index:	24665	EO Index:	6527	Element Last Seen:	1993-04-15
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	1993-04-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-01-18
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.80311 / -120.70925			Accuracy:	1/5 mile		
UTM:	Zone-10 N4186441 E701671			Elevation (ft):	260		
PLSS:	T01S, R11E, Sec. 36, SE (M)			Acres:	0.0		
Location:	SOUTH SIDE OF HWY 120, ABOUT 2 MI NE OF LANCASTER RD INTERSECTION, 8 MILES EAST OF OAKDALE.						
Detailed Location:	1993 DETECTIONS FOUND IN A "SMALL TEMPORARY POND LOCATED 100 FEET SOUTH OF HWY 120 AND 0.3 MILE WEST OF "STA 14 00" HWY MARKER. 1994 DETECTION LOCATION UNCLEAR AND THEREFORE ATTRIBUTED TO THE CLOSEST OCCURRENCE.						
Ecological:	HABITAT CONSISTS OF A TEMPORARY POND SURROUNDED BY GRAZED ANNUAL GRASSLAND IN ROLLING HILLS.						
General:	SITE FIRST VISITED ON 15 APRIL 1993; BY 23 APRIL, ONE TADPOLE & NUMEROUS TOADLETS WERE PRESENT. 1 CAPTURED AND RELEASED ON 21 MAR 1994; EXACT LOCATION UNKNOWN, GENERALLY DESCRIBED AS IN VICINITY OF OAKDALE & ATTRIBUTED TO THIS OCCURRENCE.						
Owner/Manager:	PVT						



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Occurrence No.	1286	Map Index:	B4792	EO Index:	117731	Element Last Seen:	1981-06-07
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1981-06-07		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2020-01-23		
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.95984 / -120.84364			Accuracy:	1/5 mile		
UTM:	Zone-10 N4203553 E689437			Elevation (ft):	211		
PLSS:	T01N, R10E, Sec. 2, S (M)			Acres:	70.0		
Location:	MILTON RD, ABOUT 1 MILE NORTH OF ITS INTERSECTION WITH HWY 4, 5 MILES SOUTH OF MILTON, EAST OF STOCKTON.						
Detailed Location:							
Ecological:							
General:	COLLECTED ON 7 JUN 1981.						
Owner/Manager:	PVT						

<i>Buteo swainsoni</i>			Element Code: ABNKC19070		
Swainson's hawk					
Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G5
	State:	Threatened		State:	S4
	Other:	BLM_S-Sensitive, IUCN_LC-Least Concern			
Habitat:	General:	BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, AND AGRICULTURAL OR RANCH LANDS WITH GROVES OR LINES OF TREES.			
	Micro:	REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.			

Occurrence No.	1611	Map Index:	63883	EO Index:	63978	Element Last Seen:	2002-07-21
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2002-07-21
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-02-02
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.98404 / -120.84909				Accuracy:	80 meters	
UTM:	Zone-10 N4206227 E688895				Elevation (ft):	205	
PLSS:	T02N, R10E, Sec. 35, NW (M)				Acres:	0.0	
Location:	ALONG ROCK CREEK, 0.3 MILE WEST OF MILTON ROAD, 5.7 MILES SW OF SALT SPRING VALLEY RESERVOIR.						
Detailed Location:							
Ecological:	NEST TREE WAS A VALLEY OAK; SURROUNDED BY ROW CROPS TO THE SE AND SW, AND PASTURELAND TO THE NE AND NW.						
General:	FEMALE OBSERVED ON NEST, WITH MALE RETRIEVING PREY, ON 22 MAY; 1 ADULT FLEW FROM THE NEST AND 1 CHICK REMAINED AT THE NEST ON 21 JUL 2002.						
Owner/Manager:	UNKNOWN						



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Athene cunicularia

Element Code: ABNSB10010

burrowing owl

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G4
State: Candidate Endangered **State:** S2
Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern
Habitat: **General:** OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS, AND SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.
Micro: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Occurrence No. 505 **Map Index:** 48980 **EO Index:** 48980 **Element Last Seen:** 1991-04-01
Occ. Rank: Fair **Presence:** Presumed Extant **Site Last Seen:** 1991-04-01
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2002-10-09

Quad Summary: Oakdale (3712077)

County Summary: Stanislaus

Lat/Long: 37.79834 / -120.85846 **Accuracy:** 80 meters
UTM: Zone-10 N4185601 E688546 **Elevation (ft):** 230
PLSS: T02S, R10E, Sec. 03, NE (M) **Acres:** 0.0

Location: 1 MILE NNW OF THE INTERSECTION OF GILBERT ROAD & RODDEN ROAD, NORTH OF OAKDALE.

Detailed Location:

Ecological: HABITAT CONSISTS OF FALLOW AGRICULTURAL LAND, DOMINATED BY BRASSICA SPP, RAPHANUS SPP, ERODIUM SPP, AND TRIFOLIUM SPP. SOIL IS STONY WITH SILTY CLAY; VERY SLIGHT ASPECT/SLOPE. GROUND SQUIRREL BURROWS PRESENT FOR BURROW SITES.

General: 1 ADULT OBSERVED ON 1 APR 1991.

Owner/Manager: PVT



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Eremophila alpestris actia

Element Code: ABPAT02011

California horned lark

Listing Status: **Federal:** None **CNDDDB Element Ranks:** **Global:** G5T4Q
State: None **State:** S4
Other: CDFW_WL-Watch List, IUCN_LC-Least Concern
Habitat: **General:** COASTAL REGIONS, CHIEFLY FROM SONOMA COUNTY TO SAN DIEGO COUNTY. ALSO MAIN PART OF SAN JOAQUIN VALLEY AND EAST TO FOOTHILLS.
Micro: SHORT-GRASS PRAIRIE, "BALD" HILLS, MOUNTAIN MEADOWS, OPEN COASTAL PLAINS, FALLOW GRAIN FIELDS, ALKALI FLATS.

Occurrence No. 1 **Map Index:** 34859 **EO Index:** 8657 **Element Last Seen:** XXXX-XX-XX
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** XXXX-XX-XX
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 1996-07-30

Quad Summary: Cooperstown (3712065), Keystone (3712075)

County Summary: Stanislaus

Lat/Long: 37.74306 / -120.59200 **Accuracy:** 1 mile
UTM: Zone-10 N4180037 E712167 **Elevation (ft):** 239
PLSS: T02S, R12E, Sec. 24, SW (M) **Acres:** 0.0

Location: NNE OF WARNERVILLE; NEAR JUNCTION OF WILLMS ROAD AND ROCK RIVER ROAD.

Detailed Location:

Ecological:

General: UNKNOWN NUMBERS OF HORNED LARKS OBSERVED BY B. COREY.

Owner/Manager: UNKNOWN



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Icteria virens

Element Code: ABPBX24010

yellow-breasted chat

Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5
	State: None		State: S4
	Other: CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern		
Habitat:	General: SUMMER RESIDENT; INHABITS RIPARIAN THICKETS OF WILLOW AND OTHER BRUSHY TANGLES NEAR WATERCOURSES.		
	Micro: NESTS IN LOW, DENSE RIPARIAN, CONSISTING OF WILLOW, BLACKBERRY, WILD GRAPE; FORAGES AND NESTS WITHIN 10 FT OF GROUND.		

Occurrence No.	53	Map Index:	12632	EO Index:	24874	Element Last Seen:	1987-06-24
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			1987-06-24
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			1989-08-10

Quad Summary: Oakdale (3712077)

County Summary: Stanislaus

Lat/Long:	37.87158 / -120.79827	Accuracy:	1/5 mile
UTM:	Zone-10 N4193851 E693654	Elevation (ft):	200
PLSS:	T01S, R11E, Sec. 06 (M)	Acres:	0.0

Location: NE OF JUNCTION OF LITTLEJOHN CREEK AND SONORA RD, APPROX 7.6MI NNE OF OAKDALE.

Detailed Location: ONE HEARD.

Ecological: WILLOW BOG 2-5 ACRES IN SIZE. CREEK AND COUNTY RD BORDERED BY DENSE BLACKBERRY AND SPARSE CANOPY OF LARGE WILLOWS, COTTONWOODS, AND BLACK WALNUT. SITE IS AN OASIS IN GRAZED ANNUAL GRASSLAND.

General:

Owner/Manager: PVT

Agelaius tricolor

Element Code: ABPBXB0020

tricolored blackbird

Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G1G2
	State: Threatened		State: S2
	Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered, USFWS_BCC-Birds of Conservation Concern		
Habitat:	General: HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY AND VICINITY. LARGELY ENDEMIC TO CALIFORNIA.		
	Micro: REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, AND FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.		



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Occurrence No.	28	Map Index:	12598	EO Index:	13274	Element Last Seen:	1996-04-20
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Decreasing	Record Last Updated:	2016-12-13
Quad Summary:	Jenny Lind (3812017)						
County Summary:	Calaveras						
Lat/Long:	38.01479 / -120.82839				Accuracy:	3/5 mile	
UTM:	Zone-10 N4209682 E690634				Elevation (ft):	300	
PLSS:	T02N, R10E, Sec. 24 (M)				Acres:	0.0	
Location:	VICINITY OF ROCK CREEK RD AND ROCK CREEK INTERSECTION, ABOUT 1.8 MI SE OF MILTON, W OF SALT SPRING VALLEY RESERVOIR.						
Detailed Location:	1963 & 1987-88 LOCATION WAS "(NORTH BANK) ROCK CREEK DOWNSTREAM OF ROCK CREEK ROAD BRIDGE, 2 MI SE OF MILTON." 1995 LOCATION WAS "0.75 MI W ROCK CREEK ROAD BRIDGE, 2 MI SE MILTON."1996 LOCATION WAS "ROCK CREEK ROAD,1.45 MI E OF MILTON."						
Ecological:	CATTAILS, DENSE PATCHES OF ROSES WITH SOME BLACKBERRY. ADDITIONAL FORAGING FLOCKS ALSO OBSERVED IN THE VICINITY IN 1996. COLONY DATA STORED IN UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAMES "ROCK CREEK ROAD" & "ROCK CREEK RD AT ROCK CRK."						
General:	4K OBS NESTING IN 1963. 300-400 OBS NESTING IN 1988. 7-10K OBS NESTING IN 1995. 500 OBS NESTING IN 1996. 60 OBS IN 1997; NON-NESTING. 500 OBS IN 2000; NON-NESTING. 0 OBS IN 2011 & 2015. FORAGING FLOCKS OBS IN 2005, 2008, 2014.						
Owner/Manager:	UNKNOWN						
Occurrence No.	110	Map Index:	12632	EO Index:	24718	Element Last Seen:	1987-06-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2011-04-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-25
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.87158 / -120.79827				Accuracy:	1/5 mile	
UTM:	Zone-10 N4193851 E693654				Elevation (ft):	200	
PLSS:	T01S, R11E, Sec. 06 (M)				Acres:	0.0	
Location:	NE OF JUNCTION OF LITTLEJOHN CREEK AND SONORA RD, APPROX 7.6 MI NNE OF OAKDALE.						
Detailed Location:	MAPPED TO PROVIDED LOCATION DESCRIPTIONS OF "NE JUNCTION OF LITTLEJOHN CK AND SONORA RD" AND "SONORA RD, 1.4-1.7 MI W OF FRANKENHEIMER RD." COLONY DATA PARTIALLY STORED IN THE UC DAVIS TRBL PORTAL; SITE NAME WAS "SONORA ROAD #2."						
Ecological:	WILLOW BOG 2-5 ACRES IN SIZE. CREEK & COUNTY RD BORDERED BY DENSE BLACKBERRY & SPARSE CANOPY OF LARGE WILLOWS, COTTONWOODS, & BLACK WALNUT. SITE IS AN OASIS IN GRAZED ANNUAL GRASSLAND WITH UNDULATED TERRAIN.						
General:	APPROXIMATELY 250 BIRDS OBSERVED NESTING ON 9 JUN 1987; ADULTS CARRYING FOOD, FLEDGED YOUNG CONFIRMED. NO BIRDS OBSERVED ON 24 JUN 1987. 70-800 BIRDS OBSERVED ON 23-24 APR 1994; FORAGING. 0 OBSERVED ON 17 APR 2011.						
Owner/Manager:	PVT						



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Occurrence No.	150	Map Index:	12552	EO Index:	24686	Element Last Seen:	1987-08-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1987-08-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1989-08-10
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.89214 / -120.84661				Accuracy:	1/5 mile	
UTM:	Zone-10 N4196033 E689349				Elevation (ft):	170	
PLSS:	T01N, R10E, Sec. 35, SW (M)				Acres:	0.0	
Location:	LITTLEJOHNS CREEK, AT SONORA ROAD CROSSING, APPROX 9 MI ESE OF FARMINGTON.						
Detailed Location:							
Ecological:	MARSH AREA SUPPORTING APPROX 125 NESTING PAIRS.						
General:							
Owner/Manager:	UNKNOWN						

Occurrence No.	188	Map Index:	21502	EO Index:	17722	Element Last Seen:	1996-04-20
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2015-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-09-06
Quad Summary:	Jenny Lind (3812017)						
County Summary:	Calaveras						
Lat/Long:	38.04750 / -120.83083				Accuracy:	non-specific area	
UTM:	Zone-10 N4213306 E690334				Elevation (ft):	500	
PLSS:	T02N, R10E, Sec. 01, SW (M)				Acres:	54.0	
Location:	TOWER RANCH, ABOUT 1.4 MI NE OF HUNT RD & MILTON RD/HWY J14 INTERSECTION, NE OF MILTON, W OF GOPHER RIDGE.						
Detailed Location:	MAPPED TO PROVIDED MAPS AND LOCATION DESCRIPTIONS. 1992: TOWER RANCH, APPROX. 100 METERS N OF HUNT RD ON TOWER RANCH RD. 1994: HUNT RD, APPROX. 2 MILES OUTSIDE MILTON. 1996: HUNT RD, 1.4 MILES E OF J14, N SIDE.						
Ecological:	NESTING COLONIES WERE LOCATED IN TWO CLUMPS OF BLACKBERRIES (15 X 30 METERS); SURROUNDING HABITAT IS GRAZED ANNUAL GRASSLAND. SITE VERY DRY IN 1997.						
General:	1,000 NESTING ADULTS & 500 JUVENILES OBSERVED ON 8 APR 1992. 350-400 OBS NEST BUILDING ON 6 APR 1994. 400 OBS ON 20 APR 1996; MOSTLY ADULT MALES SINGING, COMING & GOING IN SMALL GROUPS, PRESUMED NESTING. 0 OBS APR OF 1997, 2014 & 2015.						
Owner/Manager:	PVT						



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Occurrence No.	197	Map Index:	21583	EO Index:	12243	Element Last Seen:	2005-04-24
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2015-05-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-09-28
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.9342 / -120.8111			Accuracy:	2/5 mile		
UTM:	Zone-10 N4200774 E692363			Elevation (ft):	223		
PLSS:	T01N, R11E, Sec. 18, SW (M)			Acres:	280.0		
Location:	VICINITY OF HWY 4 & DUNTON RD INTERSECTION, 2 MI ESE OF HWY 4 & MILTON RD INTERSECTION, W OF TELEGRAPH CITY.						
Detailed Location:	BIRDS FOUND IN BOTH SMITH CREEK AND HOODS CREEK. APPEARED THAT HOODS CREEK SERVED AS THE PREDOMINANT NESTING SITE. COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAMES WERE "ORVIS RANCH" & "DUNTON ROAD/HOODS CREEK."						
Ecological:	HABITAT CONSISTED OF COTTONWOOD/WILLOW RIPARIAN. CATTLE/TURKEY RANCH AND GRASSLANDS IN THE VICINITY. COLONY WAS NOT ACTIVE IN 1993. MAPPED ACCORDING TO PROVIDED MAPS AND LOCATION DESCRIPTIONS.						
General:	500-1K OBS NESTING IN 1992. 1-3K LIKELY NESTING IN 1994. 3K FORAGING IN 1995. NOT SURVEYED IN 1996. 150 OBS IN 1997; ID NOT CONFIRMED. 500-3K POSSIBLY NESTING IN 1999. 1.5K LIKELY NESTING IN 2005. 300-1.3K FORAGING IN 2011. 0 IN 2014-15.						
Owner/Manager:	PVT						
Occurrence No.	262	Map Index:	24021	EO Index:	4267	Element Last Seen:	2008-04-25
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-05-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-12
Quad Summary:	Angels Camp (3812015)						
County Summary:	Calaveras						
Lat/Long:	38.10717 / -120.57571			Accuracy:	1/5 mile		
UTM:	Zone-10 N4220482 E712551			Elevation (ft):	1550		
PLSS:	T03N, R13E, Sec. 17, SW (M)			Acres:	0.0		
Location:	0.5 MILE WEST OF DOGTOWN ROAD, 2 MILES NNW OF ALTAVILLE.						
Detailed Location:	MAPPED ACCORDING TO PROVIDED MAPS AND ROAD DESIGNATIONS. COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "DOGTOWN ROAD - AIROLA RANCH."						
Ecological:	NESTING SUBSTRATE CONSISTED OF BLACKBERRY PATCHES; SURROUNDING FORAGING HABITAT IS IRRIGATED, GRAZED PASTURE WITH SEVERAL SMALL PONDS. COLONY OCCUPIES <1 ACRE.						
General:	150-200 BIRDS OBS IN 1989; 1 OBS CARRYING FOOD, LIKELY NESTING BASED ON CONTINUOUS PRESENCE. 1.2K OBS IN PRE-NESTING PHASE IN 1994. 0 OBS IN 1995 & 1997. 500 OBS IN 2005; POSSIBLY NESTING. 320 NESTING IN 2008. 0 OBS IN 2011, 2014 & 2015.						
Owner/Manager:	PVT-AIROLA RANCH						



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Occurrence No.	309	Map Index:	30607	EO Index:	4266	Element Last Seen:	2015-04-20
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-05-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-11
Quad Summary:	Angels Camp (3812015)						
County Summary:	Calaveras						
Lat/Long:	38.09738 / -120.56359				Accuracy:	non-specific area	
UTM:	Zone-10 N4219423 E713643				Elevation (ft):	1602	
PLSS:	T03N, R13E, Sec. 20, E (M)				Acres:	40.0	
Location:	WEST OF DOGTOWN ROAD, 1 MILE N OF HWY 4 & HWY 49 INTERSECTION, 2 MILES NNW OF ANGELS CAMP.						
Detailed Location:	MAPPED ACCORDING TO PROVIDED MAPS AND ROAD DESIGNATIONS. COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "DOGTOWN ROAD/LAKESIDE DR."						
Ecological:	HABITAT COMPOSED OF CATTAILS AND BULRUSHES. TWO SMALL LAKES VISIBLE IN AERIAL IMAGERY. NESTING HABITAT INCREASED FROM 1995 TO 1997; LARGER IN 1997 THAN IN THE PREVIOUS 5 YEARS.						
General:	NESTING IN 1992-93. 1.5K OBS IN 1995; POSSIBLY NESTING. 7.5K OBS IN 1997; NESTING. 15 OBS FORAGING IN 2008. 0 OBS IN 2011. 1K OBS IN 2013; NESTING. 4 OBS IN APR 2014, 600-800 NESTED OBS MAY-JUN. 60 OBS NESTING IN APR 2015, FAILED BY MAY.						
Owner/Manager:	UNKNOWN						

Occurrence No.	372	Map Index:	52418	EO Index:	52418	Element Last Seen:	2014-04-18
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2014-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-09-22
Quad Summary:	Keystone (3712075)						
County Summary:	Stanislaus, Tuolumne						
Lat/Long:	37.76302 / -120.56027				Accuracy:	1/10 mile	
UTM:	Zone-10 N4182325 E714905				Elevation (ft):	300	
PLSS:	T02S, R13E, Sec. 17, NE (M)				Acres:	0.0	
Location:	VICINITY OF THE CLAY PITS JUST NORTHWEST OF ROCK RIVER ROAD ON THE TUOLOMNE/STANISLAUS COUNTY LINE.						
Detailed Location:	COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "CLAY PIT." MAPPED ACCORDING TO PROVIDED COORDINATES AND LOCATION IN UCD PORTAL.						
Ecological:	UNIRRIGATED PASTURE. A WATER-FILLED PIT CREATED BY MINING AND SURROUNDED BY A BAND OF MARSH VEGETATION.						
General:	550 BIRDS OBSERVED NESTING IN 2001. 50 BIRDS OBSERVED ON 24 APR 2005. 0 OBSERVED ON 25 APR 2008. 150 BIRDS OBSERVED ON 14 & 18 APR 2014; FEEDING FLOCKS OBSERVED ADJACENT TO THE PRESUMED NESTING SITE. 35 BIRDS OBSERVED ON 20 APR 2014.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	742	Map Index:	A1360	EO Index:	102931	Element Last Seen:	2015-05-17
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-05-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-10-04
Quad Summary:	Copperopolis (3712086)						
County Summary:	Calaveras						
Lat/Long:	37.9837 / -120.6486				Accuracy:	2/5 mile	
UTM:	Zone-10 N4206615 E706507				Elevation (ft):	986	
PLSS:	T02N, R12E, Sec. 34 (M)				Acres:	280.0	
Location:	ABOUT 0.75 MI NNE OF HWY 4 & HODSON RD INTERSECTION, COOPEROPOLIS.						
Detailed Location:	MAPPED AS BEST GUESS TO PROVIDED LOCATION DESCRIPTIONS AND MAPS. COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WERE "COPPEROPOLIS RESERVOIR," "ROCK CREEK ROAD AT HIGHWAY4," & "COPPEROPOLIS POND."						
Ecological:	CATTAILS. GRASSY FIELDS WITH LIVESTOCK IN ADJACENT AREA.						
General:	SMALL NESTING COLONY & FORAGING ADULTS OBS ON 20 APR 1996. 26 OBS ON 27 APR 1997; POSSIBLY NESTING. NO COLONY 22 APR 2000, 17 APR 2011, 21-26 APR & 27 MAY 2014. 200 OBS ON 17 MAY 2015; ONE BIRD W/ NEST MATERIAL, FEMALES PRESUMABLY HAD EGGS.						
Owner/Manager:	UNKNOWN						

Occurrence No.	921	Map Index:	A1434	EO Index:	103021	Element Last Seen:	2014-06-01
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-05-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-11
Quad Summary:	Angels Camp (3812015)						
County Summary:	Calaveras						
Lat/Long:	38.1119 / -120.5946				Accuracy:	1/10 mile	
UTM:	Zone-10 N4220964 E710881				Elevation (ft):	1200	
PLSS:	T03N, R12E, Sec. 13, E (M)				Acres:	18.0	
Location:	ABOUT 0.4 MI E OF HWY 49 & COSGRAVE RD INTERSECTION, 3.2 MI NW OF ALTAVILLE POST OFFICE.						
Detailed Location:	LOCATION IN GENERAL WAS DIFFICULT TO OBSERVE. COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "HIGHWAY 49 NEAR COSGRAVE RD." MAPPED ACCORDING TO THE LOCATION PROVIDED IN THE PORTAL.						
Ecological:	THE NESTING AREA CONSISTED OF HIMALAYAN BLACKBERRY ON THE EDGE OF A RESERVOIR. THIS SITE MAY BE A POSSIBLE ALTERNATE SITE TO THE TWO SITES TO THE SE NEAR DOGTOWN RD (OCCURRENCES 262 & 309).						
General:	150 OBS ON 26 APR 2014; BIRDS APPEARED TO BE NEST BUILDING. 60 OBS ON 27 MAY 2014; FORAGING. 80 OBS ON 1 JUN 2014; APPEARED TO BE COMING TO AND FROM THE NESTING AREA. 80 OBS ON 19 APR 2015; NESTING NOT OBS. 0 OBS ON 17 & 23 MAY 2015.						
Owner/Manager:	PVT						



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Occurrence No.	922	Map Index:	A1442	EO Index:	103029	Element Last Seen:	2014-05-04
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2015-05-23	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-08-12	
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.92054 / -120.84214			Accuracy:	specific area		
UTM:	Zone-10 N4199195 E689670			Elevation (ft):	183		
PLSS:	T01N, R10E, Sec. 23, SE (M)			Acres:	18.0		
Location:	AREA JUST E OF MILTON RD BRIDGE OVER HOODS CREEK, 1.7 MI S OF HWY 4, 1.9 MI N OF EUGENE.						
Detailed Location:	COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAMES WERE "S MILTON RD" AND "MILTON RD 1.6 MI SOUTH HWY 4." MAPPED ACCORDING TO PROVIDED LOCATIONS IN THE PORTAL.						
Ecological:	HABITAT COMPOSED OF HIMALAYAN BLACKBERRY. BLACKBERRIES ALONG THE BANK OF HOODS CREEK.						
General:	TWO SUBCOLONIES OF 120 & 140 BIRDS OBSERVED FORAGING ON 21 APR 2014, 2.5K OBSERVED CARRYING NEST MATERIAL ON 27 APR. 2K+ OBS CARRYING MUD FOR NEST BUILDING ON 4 MAY 2014. 4 OBS FORAGING ON 19 APR 2015, 0 OBS BY 23 MAY.						
Owner/Manager:	PVT						

Occurrence No.	923	Map Index:	A1444	EO Index:	103031	Element Last Seen:	2015-05-24
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2015-05-24	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-08-12	
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.885 / -120.8295			Accuracy:	1/10 mile		
UTM:	Zone-10 N4195276 E690873			Elevation (ft):	195		
PLSS:	T01S, R10E, Sec. 1, NW (M)			Acres:	18.0		
Location:	ON N SIDE OF SONARA RD, ABOUT 1.3 MI SE OF INTERSECTION WITH MILTON RD, NE OF WOODWARD RESERVOIR.						
Detailed Location:	COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "SONORA ROAD #3." MAPPED ACCORDING TO PROVIDED COORDINATES IN THE PORTAL. SEVERAL BRAMBLES (AT LEAST 6) OF BLACKBERRY OCCUPIED BY BIRDS IN 2014.						
Ecological:	PREDOMINANT NESTING SUBSTRATE COMPOSED OF HIMALAYAN BLACKBERRY. ABOUT HALF THE COLONY WAS DESTROYED BY REMOVAL OF BLACKBERRIES ON 24 MAY 2015. 154 DISRUPTED NESTS, 62 DEAD YOUNG, AND 2 DEAD ADULTS CONFIRMED.						
General:	2014: 12KBIRDS OBSERVED ON 21 APR; SOME CARRYING NEST MATERIAL. 12K STILL PRESENT BY 27 APR; COLONY VERY ACTIVE/NOISY. 8K ESTIMATED BY 4 MAY; FEEDING YOUNG. 2015: 500-600 OBS ON 18-19 APR. 7K OBS ON 28 APR. 400 OBS ON 24 MAY (NESTING).						
Owner/Manager:	PVT						



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Occurrence No.	927	Map Index:	A1584	EO Index:	103177	Element Last Seen:	2008-04-25
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-05-23
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-08-25
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.99001 / -120.84856			Accuracy:	non-specific area		
UTM:	Zone-10 N4206891 E688927			Elevation (ft):	211		
PLSS:	T02N, R10E, Sec. 26, SW (M)			Acres:	66.0		
Location:	ALONG MILTON RD, 2.7 MI S OF ROCK CREEK RD INTERSECTION, 3.2 MI N OF HWY 4, S OF MILTON.						
Detailed Location:	LOCATION DESCRIBED AS "MILTON ROAD, SOUTH OF CALAVERAS COUNTY LINE" AND "MILTON RD 3.1-3.3 N OF HWY 4, 0.2 MI W OF MILTON RD." COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "MILTON RD #1."						
Ecological:	NESTING IN A RIPARIAN AREA WITH OTHER BLACKBIRDS. GENERAL AREA COMPOSED OF GRASSLANDS.						
General:	400 OBS NESTING ON 23 APR 1987. 500 OBS ON 23-24 APR 1994; NESTING SUSPECTED. 120 OBS ON 24 APR 1999. 5.5K POSSIBLY NESTED ON 22 MAY 2005. 12.5K OBS NESTING ON 25 APR 2008. 200 OBS IN 2011. 20-50 OBS ON APR-MAY 2014. 0 ON APR-MAY 2015.						
Owner/Manager:	UNKNOWN						

Occurrence No.	951	Map Index:	B2917	EO Index:	114847	Element Last Seen:	2016-05-30
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2016-05-30
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2019-04-19
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.87911 / -120.81285			Accuracy:	1/5 mile		
UTM:	Zone-10 N4194657 E692352			Elevation (ft):	214		
PLSS:	T01S, R11E, Sec. 6, W (M)			Acres:	70.0		
Location:	S SIDE OF SONORA RD, ABOUT 1.6 MI ESE OF 28 MILE RD INTERSECTION, EUGENE.						
Detailed Location:	COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD; SITE NAMES WERE "SONORA ROAD POND" & "SONORA ROAD #1." IT IS POSSIBLE THAT THE LARGE FLOCK OBSERVED ON 10 MAY 2016 MOVED TO SONORA #3 FOR A SECOND WAVE OF NESTING.						
Ecological:	NESTING IN MILK THISTLE AND TULE. GRAZED ANNUAL GRASSLAND. NEAR POND WITH SOME CATTAILS.						
General:	TWO FORAGING FLOCKS OF 25 AND 110 OBSERVED ON 23 APR 1994. 0 OBSERVED ON 17 APR 2011 AND 18 APR 2015. APPROXIMATELY 2000 BIRDS OBSERVED ON 10 MAY 2016; NESTING MATERIAL/FLEDGLINGS OBSERVED. 50 OBS ON 30 MAY 2016; BRINGING FOOD TO NESTS.						
Owner/Manager:	UNKNOWN, PVT						



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Occurrence No.	970	Map Index:	A1969	EO Index:	103558	Element Last Seen:	1995-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1995-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-11-04
Quad Summary:	New Melones Dam (3712085)						
County Summary:	Calaveras, Tuolumne						
Lat/Long:	37.9384 / -120.5333				Accuracy:	4/5 mile	
UTM:	Zone-10 N4201850 E716767				Elevation (ft):	938	
PLSS:	T01N, R13E, Sec. 15 (M)				Acres:	1312.0	
Location:	JUST BELOW NEW MELONES DAM, 6.9 MI SE OF COPPEROPOLIS.						
Detailed Location:	LOCATION DESCRIBED AS "ABOUT 2 MILES EAST OF SIERRA CONSERVATION CAMP, EAST OF COPPEROPOLIS ON THE O'BYRNES FERRY... LESS THAN A MILE WEST OF THE NEW MELONES DAM POWER HOUSE." MAPPED GENERALLY TO THE AREA BELOW THE DAM.						
Ecological:	HABITAT WAS VALLEY OAK-GRASSLANDS. BIRDS FEEDING IN GRASSY HILLSIDES AND IN A SMALL DRAINAGE. COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "NEW MELONES LAKE DAM."						
General:	AN ESTIMATED 300 BIRDS OBSERVED FLYING BACK AND FORTH ACROSS THE ROAD IN 1995; OBSERVER BELIEVED THE COLONY BRED AT THIS LOCATION.						
Owner/Manager:	USBOR						

Occurrence No.	975	Map Index:	A2039	EO Index:	103632	Element Last Seen:	2000-04-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-04-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-10-03
Quad Summary:	Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.0479 / -120.6977				Accuracy:	2/5 mile	
UTM:	Zone-10 N4213632 E702017				Elevation (ft):	1173	
PLSS:	T02N, R12E, Sec. 6, SW (M)				Acres:	280.0	
Location:	ALONG HUNT RD, NEAR SALT SPRINGS VALLEY RD INTXN, 2.8 AIR MILES WNW OF HWY 4 INTXN, ENE OF SALT SPRING VALLEY DAM.						
Detailed Location:	MAPPED ACCORDING TO THE LOCATION ON THE PROVIDED MAP.						
Ecological:	HABITAT COMPOSED OF HIMALAYAN BLACKBERRY. SMALL POND PRESENT IN 1997 AND 2000.						
General:	ANECDOTALLY REPORTED AS NESTING IN 1997. AN ESTIMATED 40 BIRDS OBSERVED NESTING ON 22 APR 2000.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	976	Map Index:	A2042	EO Index:	103635	Element Last Seen:	1997-04-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2015-04-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-10-03
Quad Summary:	Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.0529 / -120.7249				Accuracy:	1/10 mile	
UTM:	Zone-10 N4214128 E699617				Elevation (ft):	1141	
PLSS:	T02N, R11E, Sec. 2, SE (M)				Acres:	18.0	
Location:	ALONG S SIDE OF HUNT RD, 1.9 AIR MILES WNW OF SALT SPRINGS VALLEY RD INTERSECTION, 2.6 MI NE OF SALT SPRING VALLEY DAM.						
Detailed Location:	COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "HUNT ROAD #2." MAPPED ACCORDING TO PROVIDED MAP AND LOCATION IN THE PORTAL.						
Ecological:	HABITAT IN 1997 COMPOSED OF CATTAILS. SUITABLE HABITAT PRESENT IN 2015.						
General:	NO BIRDS OBSERVED DURING 1996 SURVEY. ABOUT 27 BIRDS OBSERVED NESTING ON 27 APR 1997. 0 BIRDS OBSERVED ON 20 APR 2015.						
Owner/Manager:	UNKNOWN, PVT						

Acipenser medirostris pop. 1				Element Code: AFCAA01031			
green sturgeon - southern DPS							
Listing Status:	Federal:	Threatened			CNDDDB Element Ranks:	Global:	G2T1
	State:	None				State:	S1
	Other:	AFS_VU-Vulnerable, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered					
Habitat:	General:	SPAWNING SITE FIDELITY. SPAWNS IN THE SACRAMENTO, FEATHER AND YUBA RIVERS. PRESENCE IN UPPER STANISLAUS AND SAN JOAQUIN RIVERS MAY INDICATE SPAWNING. NON-SPAWNING ADULTS OCCUPY MARINE/ESTUARINE WATERS. DELTA ESTUARY IS IMPORTANT FOR REARING JUVENILES.					
	Micro:	SPAWNING OCCURS PRIMARILY IN COOL (11-15 C) SECTIONS OF MAINSTEM RIVERS IN DEEP POOLS (8-9 METERS) WITH SUBSTRATE CONTAINING SMALL TO MEDIUM SIZED SAND, GRAVEL, COBBLE, OR BOULDER.					

Occurrence No.	5	Map Index:	91311	EO Index:	121158	Element Last Seen:	2017-10-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2017-10-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2022-01-28
Quad Summary:	Riverbank (3712068), Knights Ferry (3712076), Oakdale (3712077), Escalon (3712078), Salida (3712161), Ripon (3712162), Avena (3712171)						
County Summary:	Calaveras, San Joaquin, Stanislaus, Tuolumne						
Lat/Long:	37.80905 / -120.67948				Accuracy:	non-specific area	
UTM:	Zone-10 N4187166 E704276				Elevation (ft):	200	
PLSS:	T01S, R12E, Sec. 32 (M)				Acres:	6681.0	
Location:	LOWER STANISLAUS RIVER, FROM ITS MOUTH AT THE SAN JOAQUIN RIVER TO GOODWIN DAM.						
Detailed Location:	MAPPED TO THE LOWER 58 MILES OF THE STANISLAUS RIVER FROM SAN JOAQUIN RIVER CONFLUENCE TO THE IMPASSIBLE GOODWIN DAM ABOUT 3.5 MILES NE OF KNIGHTS FERRY.						
Ecological:	HISTORIC USE OF THE SAN JOAQUIN RIVER BASIN IS UNDOCUMENTED BUT PLAUSIBLE. REGULAR OCCURRENCE AND HABITAT USE OF THE STANISLAUS RIVER IS POORLY UNDERSTOOD. POACHING OF STURGEON ON SAN JOAQUIN RIVER NEAR STANISLAUS RIVER HAS BEEN A CONCERN.						
General:	FIRST CONFIRMED GREEN STURGEON IN THE STANISLAUS RIVER OCCURED IN 2017 NEAR KNIGHTS FERRY; INITIALLY AN INCIDENTAL RAFTING DETECTION ON 23 SEP, FOLLOWED BY SNORKLE & VIDEO ON 5 OCT, AND POSITIVE EDNA SAMPLE ON 9 OCT. NO WHITE STURGEON DNA.						
Owner/Manager:	UNKNOWN						



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***Oncorhynchus mykiss irideus* pop. 11**

Element Code: AFCHA0209K

steelhead - Central Valley DPS

Listing Status: **Federal:** Threatened

CNDDDB Element Ranks: **Global:** G5T2Q

State: None

State: S2

Other: AFS_TH-Threatened, CDFW_SSC-Species of Special Concern

Habitat: **General:** POPULATIONS IN THE SACRAMENTO AND SAN JOAQUIN RIVERS AND THEIR TRIBUTARIES.

Micro: ☐

Occurrence No.	20	Map Index:	91311	EO Index:	92386	Element Last Seen:	2014-01-20
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2014-01-20	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2014-03-28	

Quad Summary: Riverbank (3712068), Knights Ferry (3712076), Oakdale (3712077), Escalon (3712078), Salida (3712161), Ripon (3712162), Avena (3712171)

County Summary: Calaveras, San Joaquin, Stanislaus, Tuolumne

Lat/Long:	37.80905 / -120.67948	Accuracy:	non-specific area
UTM:	Zone-10 N4187166 E704276	Elevation (ft):	200
PLSS:	T01S, R12E, Sec. 32 (M)	Acres:	6681.0

Location: LOWER STANISLAUS RIVER, FROM ITS MOUTH AT THE SAN JOAQUIN RIVER TO GOODWIN DAM (RM 58.4).

Detailed Location: MAPPED TO RIVER REACH NAVIGABLE BY STEELHEAD (SH). GOODWIN DAM(GD) IS BARRIER TO ANADROMY. ROTARY SCREW TRAPS (RSTS) AT CASWELL SP (RM8.6) & OAKDALE (RM40.1). REARING & SUSPECTED SPAWNING GROUNDS BETWEEN GD & ORANGE BLOSSOM BRIDGE (RM46.9).

Ecological: SNORKEL SURVEYS 2000-07 INDICATED MANY JUVENILES EMIGRATED IN FALL (OR TOOK REFUGE UNDER SUBSTRATE IN WINTER). HIGHEST TROUT DENSITIES IN UPPER REACHES & GRAVEL AUGMENTATION SITES. IN 2008 OTOLITH STUDY 11% TROUT OF SAMPLED WERE SH PROGENY.

General: AVERAGE CATCH/YEAR FROM RSTS (#RSTS VARIED) = 23 IN 1993-1999; 44 IN 2000-2010; MANY WERE SMOLTS. VIDEO WEIR NEAR RM31 RECORDED U/S MIGRATION OF 1-17 ADULTS/YR FROM 2005-2010, 24-92 TROUT/YR FROM 2011-2014 (26 -40% HATCHERY ORIGIN).

Owner/Manager: UNKNOWN

Occurrence No.	23	Map Index:	91468	EO Index:	92525	Element Last Seen:	2010-03-22
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2010-03-22	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2014-02-27	

Quad Summary: Peters (3712181), Stockton East (3712182), Stockton West (3712183), Jenny Lind (3812017), Valley Springs SW (3812018), Valley Springs (3812027), Linden (3812111), Waterloo (3812112), Lodi South (3812113)

County Summary: Calaveras, San Joaquin, Stanislaus

Lat/Long:	38.04961 / -121.01419	Accuracy:	non-specific area
UTM:	Zone-10 N4213181 E674239	Elevation (ft):	
PLSS:	T02N, R09E, Sec. 05 (M)	Acres:	8020.0

Location: LOWER CALAVERAS RIVER BELOW NEW HOGAN DAM (RM42), INCLUDING MORMON SLOUGH AND STOCKTON DIVERTING CANAL.

Detailed Location: NEW HOGAN DAM (NHD) A TOTAL BARRIER TO ANADROMY. 20MI OF SPAWNING/REARING HABITAT ABOVE BELLOTA WEIR (BW, RM25.3) INACCESSIBLE TO STEELHEAD (SH) EXCEPT IN FLOOD FLOWS; RESIDENT TROUT POP ABOVE BW PRODUCES SOME SMOLTS. RST AT SHELTON (RM28).

Ecological: HISTORICALLY INTERMITTENT RIVER, NOW YR-ROUND FROM NHD TO BW. CONNECTS W/SJQ RIVER ONLY AFTER IRRIGATION RELEASES/RAIN; DRAWDOWN STRANDS FISH. SOME SPAWNING HABITAT IN MORMON SLOUGH(MS). 49 OF 180 FISH IN 2008 OTOLITH STUDY WERE SH PROGENY.

General: SPAWNING OBSERVED IN MS, 2002; HIGH TEMPS LIKELY KILLED EGGS/FRY. OBS BELOW BW 2003-04 & '07, INCLUDING SMOLTS. YEARLY RST CATCH 2004-10 FROM 199-14,788, INCL. PRESUMABLY EMIGRATING SMOLTS. ~64 STRANDED TROUT OBS IN SURVEYS 2005, '06 & '10.

Owner/Manager: UNKNOWN



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Hesperoleucus symmetricus serpentinus

Element Code: AFCJB19028

Red Hills roach

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** GNRT1
State: None **State:** S1
Other: AFS_VU-Vulnerable, BLM_S-Sensitive, CDFW_SSC-Species of Special Concern
Habitat: **General:** SPRING-FED INTERMITTENT CREEKS AND SMALL STREAMS NEAR SONORA. MAY BE CONFINED TO POOLS AND PERENNIAL STREAM REACHES DURING SUMMER AND DROUGHT.
Micro: ADAPTED FOR LIVING IN SMALL STREAMS FLOWING THROUGH SERPENTINE OUTCROPS.

Occurrence No. 6 **Map Index:** 42624 **EO Index:** 42624 **Element Last Seen:** 1999-06-15
Occ. Rank: Fair **Presence:** Presumed Extant **Site Last Seen:** 1999-06-15
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2005-07-12

Quad Summary: Keystone (3712075), New Melones Dam (3712085)

County Summary: Tuolumne

Lat/Long: 37.87406 / -120.50774 **Accuracy:** specific area
UTM: Zone-10 N4194770 E719204 **Elevation (ft):** 1030
PLSS: T01S, R13E, Sec. 02, SE (M) **Acres:** 18.7

Location: ANDREW CREEK, AT THE CROSSING OF HIGHWAY 108/120, 2.7 MILES NORTH OF KEYSTONE, RED HILLS.

Detailed Location: CREEK IN CULVERT BELOW HIGHWAY 108.

Ecological: FINE ROCK, ALGAE, FISH ABUNDANT IN POOLS 1 TO 3 FEET DEEP. SURROUNDING LAND USE PASTURE/COWS.

General: 17 APR 1999: "MANY" OBSERVED. 15 JUN 1999: 5 ADULTS COLLECTED, FIN CLIPS TAKEN AND FISH RELEASED; UCSC MUSEUM #WJJLS37.

Owner/Manager: PVT

Occurrence No. 7 **Map Index:** 51535 **EO Index:** 51535 **Element Last Seen:** 2000-07-10
Occ. Rank: Poor **Presence:** Presumed Extant **Site Last Seen:** 2000-07-10
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2003-06-13

Quad Summary: New Melones Dam (3712085)

County Summary: Tuolumne

Lat/Long: 37.92601 / -120.53054 **Accuracy:** 1/10 mile
UTM: Zone-10 N4200481 E717046 **Elevation (ft):** 800
PLSS: T01N, R13E, Sec. 22, NE (M) **Acres:** 0.0

Location: PEORIA CREEK. EAST OF THE STANISLAUS RIVER, BETWEEN TULLOCK RESERVOIR & NEW MELONES LAKE.

Detailed Location: PEORIA CREEK NEAR THE FIRE STATION.

Ecological: CREEK WITH HEAVY UNDERBRUSH, SOME CATTAILS IN LARGE POOLS. LOTS OF GAMBUSIA & LOTS OF BENTHIC FILAMENTOUS ALGAE.

General: 5 CAPTURED, FIN CLIPPED AND RELEASED.

Owner/Manager: UNKNOWN



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Mylopharodon conocephalus

Element Code: AFCJB25010

hardhead

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G3
State: None **State:** S3
Other: CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive
Habitat: **General:** LOW TO MID-ELEVATION STREAMS IN THE SACRAMENTO-SAN JOAQUIN DRAINAGE. ALSO PRESENT IN THE RUSSIAN RIVER.
Micro: CLEAR, DEEP POOLS WITH SAND-GRAVEL-BOULDER BOTTOMS AND SLOW WATER VELOCITY. NOT FOUND WHERE EXOTIC CENTRARCHIDS PREDOMINATE.

Occurrence No. 15 **Map Index:** 72976 **EO Index:** 73888 **Element Last Seen:** 2008-03-27
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 2008-04-02
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2010-08-11

Quad Summary: Oakdale (3712077)

County Summary: Stanislaus

Lat/Long: 37.77083 / -120.86777 **Accuracy:** 80 meters
UTM: Zone-10 N4182530 E687795 **Elevation (ft):** 104
PLSS: T02S, R10E, Sec. 10, SW (M) **Acres:** 0.0

Location: STANISLAUS RIVER JUST NW OF OAKDALE.

Detailed Location:

Ecological: OTHER FISH TAKEN: GOLDEN SHINER, LARGEMOUTH BASS, PRICKLY SCULPIN, RAINBOW TROUT, SACRAMENTO BLACKFISH, SACRAMENTO PIKEMINNOW, SACRAMENTO SUCKER, MOSQUITOFISH, CHINOOK SALMON, COMMON CARP, LAMPREY, BLUEGILL, REDEAR SUNFISH, TULE PERCH.

General: TAKEN ON 72 SAMPLE DATES 1 MAY 2006 TO 2 APR 2008. 1-81 FISH (AVE = 5.7 FISH/SAMPLE DATE) CAPTURED IN ROTARY SCREW TRAP & RELEASED. OTHER FISH TAKEN: WHITE CATFISH, RED SHINER, BLACK CRAPPIE, HITCH, RIFFLE SCULPIN, GOLDFISH, WARMOUTH.

Owner/Manager: UNKNOWN

Myotis yumanensis

Element Code: AMACC01020

Yuma myotis

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G5
State: None **State:** S4
Other: BLM_S-Sensitive, IUCN_LC-Least Concern
Habitat: **General:** OPTIMAL HABITATS ARE OPEN FORESTS AND WOODLANDS WITH SOURCES OF WATER OVER WHICH TO FEED.
Micro: DISTRIBUTION IS CLOSELY TIED TO BODIES OF WATER. MATERNITY COLONIES IN CAVES, MINES, BUILDINGS OR CREVICES.



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Occurrence No.	145	Map Index:	68813	EO Index:	69336	Element Last Seen:	1999-08-15
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-08-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-19
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.77654 / -120.78129				Accuracy:	non-specific area	
UTM:	Zone-10 N4183340 E695398				Elevation (ft):	108	
PLSS:	T02S, R11E, Sec. 08 (M)				Acres:	61.0	
Location:	ABOUT 3.7 ROAD MILES NE OF OAKDALE ON HWY 120, AT INTERSECTION WITH ORANGE BLOSSOM RD.						
Detailed Location:	EXACT LOCATION UNKNOWN, AS SOURCE GIVES LOCALITY ONLY AS "ORANGE BLOSSOM, HWY 120." MAPPED AS BEST ESTIMATE.						
Ecological:							
General:	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 15 AUG 1999.						
Owner/Manager:	UNKNOWN						

Occurrence No.	146	Map Index:	68815	EO Index:	69342	Element Last Seen:	1999-08-15
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-08-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-04
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81431 / -120.72429				Accuracy:	non-specific area	
UTM:	Zone-10 N4187653 E700317				Elevation (ft):	164	
PLSS:	T01S, R11E, Sec. 26 (M)				Acres:	152.0	
Location:	ABOUT 3 MILES WSW OF KNIGHTS FERRY, HORSESHOE ROAD.						
Detailed Location:	EXACT LOCATION UNKNOWN, AS SOURCE GIVES LOCALITY ONLY AS "HORSESHOE A & B, HWY 120." THE ENTIRE HORSESHOE RD NEAR HWY 120 WAS MAPPED.						
Ecological:							
General:	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 15 AUG 1999.						
Owner/Manager:	UNKNOWN						

Occurrence No.	147	Map Index:	66400	EO Index:	69349	Element Last Seen:	1999-09-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-09-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-05-08
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81974 / -120.67173				Accuracy:	1/10 mile	
UTM:	Zone-10 N4188369 E704929				Elevation (ft):	130	
PLSS:	T01S, R12E, Sec. 29 (M)				Acres:	0.0	
Location:	KNIGHTS FERRY.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY PIE04R001; INCLUDES LOCALITY "COTTONWOODS."						
Ecological:	COTTONWOOD/SYCAMORE. DOMINATED BY MATURE TREES. CONSISTS OF A STRIP THAT IS ONLY 2-3 TREES WIDE.						
General:	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 3 JUL 1998, 17 JUN, 15 AUG, & 16 SEP 1999.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	192	Map Index:	64072	EO Index:	69716	Element Last Seen:	1999-09-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-09-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-19
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Calaveras, Tuolumne						
Lat/Long:	37.84068 / -120.64195				Accuracy:	1/10 mile	
UTM:	Zone-10 N4190759 E707492				Elevation (ft):	250	
PLSS:	T01S, R12E, Sec. 22 (M)				Acres:	0.0	
Location:	ABOUT 2 MILES NE OF KNIGHTS FERRY, STANISLAUS RIVER, TWO MILE BAR.						
Detailed Location:							
Ecological:							
General:	BAT(S) DETECTED ON 16 SEP 1999.						
Owner/Manager:	UNKNOWN						

Occurrence No.	193	Map Index:	69001	EO Index:	69722	Element Last Seen:	1999-09-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-09-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-05-08
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81999 / -120.66170				Accuracy:	1/10 mile	
UTM:	Zone-10 N4188419 E705811				Elevation (ft):	180	
PLSS:	T01S, R12E, Sec. 28, NW (M)				Acres:	0.0	
Location:	ABOUT 0.5 MILE EAST OF KNIGHTS FERRY.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY PIE04R001. INCLUDES "FLOODPLAIN," "HC PLATFORM, RIVER EDGE," & "PICNIC AREA."						
Ecological:	COTTONWOOD/SYCAMORE. DOMINATED BY MATURE TREES. CONSISTS OF A STRIP THAT IS ONLY 2-3 TREES WIDE.						
General:	BAT(S) DETECTED ON 3 JUL & 15 SEP 1998. 29 APR, 17 -18 JUN, 15 AUG 16 SEP & 22 OCT 1999.						
Owner/Manager:	UNKNOWN						

Occurrence No.	195	Map Index:	69005	EO Index:	69733	Element Last Seen:	1999-04-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-04-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-19
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.78819 / -120.76259				Accuracy:	1/10 mile	
UTM:	Zone-10 N4184672 E697014				Elevation (ft):	120	
PLSS:	T02S, R11E, Sec. 04, SE (M)				Acres:	0.0	
Location:	ABOUT 5 MILES ENE OF OAKDALE, ORANGE BLOSSOM RD CROSSING OF STANISLAUS RIVER.						
Detailed Location:	EXACT LOCATION UNKNOWN. SOURCE GIVES LOCALITY AS "STANISLAUS RIVER, ORANGE BLOSSOM." MAPPED AS BEST ESTIMATE AT ORANGE BLOSSOM RD CROSSING OF STANISLAUS RIVER.						
Ecological:							
General:	BAT(S) DETECTED ON 29 APR 1999.						
Owner/Manager:	UNKNOWN						



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Lasionycteris noctivagans

Element Code: AMACC02010

silver-haired bat

Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G3G4
	State:	None		State:	S3S4
	Other:	IUCN_LC-Least Concern			
Habitat:	General:	PRIMARILY A COASTAL AND MONTANE FOREST DWELLER, FEEDING OVER STREAMS, PONDS AND OPEN BRUSHY AREAS.			
	Micro:	ROOSTS IN HOLLOW TREES, BENEATH EXFOLIATING BARK, ABANDONED WOODPECKER HOLES, AND RARELY UNDER ROCKS. NEEDS DRINKING WATER.			

Occurrence No.	138	Map Index:	69001	EO Index:	69718	Element Last Seen:	1999-04-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-04-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-23

Quad Summary: Knights Ferry (3712076)

County Summary: Stanislaus

Lat/Long:	37.81999 / -120.66170	Accuracy:	1/10 mile
UTM:	Zone-10 N4188419 E705811	Elevation (ft):	180
PLSS:	T01S, R12E, Sec. 28, NW (M)	Acres:	0.0

Location: ABOUT 0.5 MILE EAST OF KNIGHTS FERRY.

Detailed Location: MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY SOURCE, WITH LOCALITY "FLOODPLAIN."

Ecological: COTTONWOOD/SYCAMORE. DOMINATED BY MATURE TREES. CONSISTS OF A STRIP THAT IS ONLY 2-3 TREES WIDE.

General: BAT(S) DETECTED ON 29 APR 1999.

Owner/Manager: UNKNOWN

Lasiurus cinereus

Element Code: AMACC05032

hoary bat

Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G3G4
	State:	None		State:	S4
	Other:	IUCN_LC-Least Concern			
Habitat:	General:	PREFERS OPEN HABITATS OR HABITAT MOSAICS, WITH ACCESS TO TREES FOR COVER AND OPEN AREAS OR HABITAT EDGES FOR FEEDING.			
	Micro:	ROOSTS IN DENSE FOLIAGE OF MEDIUM TO LARGE TREES. FEEDS PRIMARILY ON MOTHS. REQUIRES WATER.			



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Occurrence No.	157	Map Index:	68815	EO Index:	69341	Element Last Seen:	1999-08-15
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-08-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-04
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81431 / -120.72429				Accuracy:	non-specific area	
UTM:	Zone-10 N4187653 E700317				Elevation (ft):	164	
PLSS:	T01S, R11E, Sec. 26 (M)				Acres:	152.0	
Location:	ABOUT 3 MILES WSW OF KNIGHTS FERRY, HORSESHOE ROAD.						
Detailed Location:	EXACT LOCATION UNKNOWN, AS SOURCE GIVES LOCALITY ONLY AS "HORSESHOE A & B, HWY 120." THE ENTIRE HORSESHOE RD NEAR HWY 120 WAS MAPPED.						
Ecological:							
General:	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 15 AUG 1999.						
Owner/Manager:	UNKNOWN						

Occurrence No.	158	Map Index:	66400	EO Index:	69348	Element Last Seen:	1999-10-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-10-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-05-08
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81974 / -120.67173				Accuracy:	1/10 mile	
UTM:	Zone-10 N4188369 E704929				Elevation (ft):	130	
PLSS:	T01S, R12E, Sec. 29 (M)				Acres:	0.0	
Location:	KNIGHTS FERRY.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY SOURCE. INCLUDES LOCALITIES KNIGHTS FERRY "COTTONWOODS."						
Ecological:							
General:	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 3 JUL 1998, 29 APR, 17 JUN, 15 AUG, 16 SEP AND 22 OCT 1999.						
Owner/Manager:	UNKNOWN						

Occurrence No.	208	Map Index:	69001	EO Index:	69720	Element Last Seen:	1999-10-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-10-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-05-08
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81999 / -120.66170				Accuracy:	1/10 mile	
UTM:	Zone-10 N4188419 E705811				Elevation (ft):	180	
PLSS:	T01S, R12E, Sec. 28, NW (M)				Acres:	0.0	
Location:	ABOUT 0.5 MILE EAST OF KNIGHTS FERRY.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATS PROVIDED BY SOURCE. INCLUDES "FLOODPLAIN," "HC PLATFORM, RIVER EDGE," & "PICNIC AREA."						
Ecological:	COTTONWOOD/SYCAMORE. DOMINATED BY MATURE TREES. CONSISTS OF A STRIP THAT IS ONLY 2-3 TREES WIDE.						
General:	BAT(S) DETECTED ON 3 JUL & 15 SEP 1998. 29 APR, 17 -18 JUN, 15 AUG, 16 SEP & 22 OCT 1999.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	210	Map Index:	69005	EO Index:	69731	Element Last Seen:	1999-04-29
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1999-04-29		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2007-04-19		
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.78819 / -120.76259			Accuracy:	1/10 mile		
UTM:	Zone-10 N4184672 E697014			Elevation (ft):	120		
PLSS:	T02S, R11E, Sec. 04, SE (M)			Acres:	0.0		
Location:	ABOUT 5 MILES ENE OF OAKDALE, ORANGE BLOSSOM RD CROSSING OF STANISLAUS RIVER.						
Detailed Location:	EXACT LOCATION UNKNOWN. SOURCE GIVES LOCALITY AS "STANISLAUS RIVER, ORANGE BLOSSOM." MAPPED AS BEST ESTIMATE AT ORANGE BLOSSOM RD CROSSING OF STANISLAUS RIVER.						
Ecological:							
General:	BAT(S) DETECTED ON 29 APR 1999.						
Owner/Manager:	UNKNOWN						

<i>Lasiurus frantzii</i>				Element Code:	AMACC05080
western red bat					
Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G4
	State:	None		State:	S3
	Other:	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern			
Habitat:	General:	ROOSTS PRIMARILY IN TREES, 2-40 FT ABOVE GROUND, FROM SEA LEVEL UP THROUGH MIXED CONIFER FORESTS.			
	Micro:	PREFERS HABITAT EDGES AND MOSAICS WITH TREES THAT ARE PROTECTED FROM ABOVE AND OPEN BELOW WITH OPEN AREAS FOR FORAGING.			

Occurrence No.	18	Map Index:	68813	EO Index:	69334	Element Last Seen:	1999-08-15
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1999-08-15		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2007-04-19		
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.77654 / -120.78129				Accuracy:	non-specific area	
UTM:	Zone-10 N4183340 E695398				Elevation (ft):	108	
PLSS:	T02S, R11E, Sec. 08 (M)				Acres:	61.0	
Location:	ABOUT 3.7 ROAD MILES NE OF OAKDALE ON HWY 120, AT INTERSECTION WITH ORANGE BLOSSOM RD.						
Detailed Location:	EXACT LOCATION UNKNOWN, AS SOURCE GIVES LOCALITY ONLY AS "ORANGE BLOSSOM, HWY 120." MAPPED AS BEST ESTIMATE.						
Ecological:							
General:	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 15 AUG 1999.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	19	Map Index:	68815	EO Index:	69340	Element Last Seen:	1999-08-15
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-08-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-04
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81431 / -120.72429				Accuracy:	non-specific area	
UTM:	Zone-10 N4187653 E700317				Elevation (ft):	164	
PLSS:	T01S, R11E, Sec. 26 (M)				Acres:	152.0	
Location:	ABOUT 3 MILES WSW OF KNIGHTS FERRY, HORSESHOE ROAD.						
Detailed Location:	EXACT LOCATION UNKNOWN, AS SOURCE GIVES LOCALITY ONLY AS "HORSESHOE B, HWY 120." THE ENTIRE HORSESHOE RD NEAR HWY 120 WAS MAPPED.						
Ecological:							
General:	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 15 AUG 1999.						
Owner/Manager:	UNKNOWN						

Occurrence No.	20	Map Index:	66400	EO Index:	69347	Element Last Seen:	1999-09-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-09-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-05-08
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81974 / -120.67173				Accuracy:	1/10 mile	
UTM:	Zone-10 N4188369 E704929				Elevation (ft):	220	
PLSS:	T01S, R12E, Sec. 29, NE (M)				Acres:	0.0	
Location:	KNIGHTS FERRY.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY PIE04R0001. INCLUDES LOCALITY "COTTONWOODS."						
Ecological:	COTTONWOOD/SYCAMORE. DOMINATED BY MATURE TREES. CONSISTS OF A STRIP THAT IS ONLY 2-3 TREES WIDE.						
General:	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 3 JUL 1998, 29 APR (MAXIMUM # OF DETECTION OBTAINED BY A SINGLE DETECTOR WAS 2), 15 AUG (MAX. 12), & 16 SEP (MAX. 5) 1999.						
Owner/Manager:	UNKNOWN						

Occurrence No.	72	Map Index:	64072	EO Index:	69715	Element Last Seen:	1999-09-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-09-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-19
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Calaveras, Tuolumne						
Lat/Long:	37.84068 / -120.64195				Accuracy:	1/10 mile	
UTM:	Zone-10 N4190759 E707492				Elevation (ft):	250	
PLSS:	T01S, R12E, Sec. 22, NW (M)				Acres:	0.0	
Location:	ABOUT 2 MILES NE OF KNIGHTS FERRY, STANISLAUS RIVER, TWO MILE BAR.						
Detailed Location:							
Ecological:							
General:	BAT(S) DETECTED ON 16 SEP 1999.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	73	Map Index:	69001	EO Index:	69719	Element Last Seen:	1999-10-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-10-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-05-08
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81999 / -120.66170			Accuracy:	1/10 mile		
UTM:	Zone-10 N4188419 E705811			Elevation (ft):	180		
PLSS:	T01S, R12E, Sec. 28, NW (M)			Acres:	0.0		
Location:	ABOUT 0.5 MILE EAST OF KNIGHTS FERRY.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATS PROVIDED BY PIE04R0001. INCLUDES "FLOODPLAIN," "HC PLATFORM, RIVER EDGE," & "PICNIC AREA."						
Ecological:	COTTONWOOD/SYCAMORE. DOMINATED BY MATURE TREES. CONSISTS OF A STRIP THAT IS ONLY 2-3 TREES WIDE.						
General:	BAT(S) DETECTED ON 3 JUL & 15 SEP 1998. 29 APR, 17 -18 JUN, 15 AUG, 16 SEP & 22 OCT 1999.						
Owner/Manager:	UNKNOWN						
Occurrence No.	75	Map Index:	69005	EO Index:	69732	Element Last Seen:	1999-04-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-04-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-19
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.78819 / -120.76259			Accuracy:	1/10 mile		
UTM:	Zone-10 N4184672 E697014			Elevation (ft):	120		
PLSS:	T02S, R11E, Sec. 04, SE (M)			Acres:	0.0		
Location:	ABOUT 5 MILES ENE OF OAKDALE, ORANGE BLOSSOM RD CROSSING OF STANISLAUS RIVER.						
Detailed Location:	EXACT LOCATION UNKNOWN. SOURCE GIVES LOCALITY AS "STANISLAUS RIVER, ORANGE BLOSSOM." MAPPED AS BEST ESTIMATE AT ORANGE BLOSSOM RD CROSSING OF STANISLAUS RIVER.						
Ecological:							
General:	BAT(S) DETECTED ON 29 APR 1999.						
Owner/Manager:	UNKNOWN						



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Corynorhinus townsendii

Element Code: AMACC08010

Townsend's big-eared bat

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G4
State: None **State:** S2
Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive
Habitat: **General:** THROUGHOUT CALIFORNIA IN A WIDE VARIETY OF HABITATS. MOST COMMON IN MESIC SITES.
Micro: ROOSTS IN THE OPEN, HANGING FROM WALLS AND CEILINGS. ROOSTING SITES LIMITING. EXTREMELY SENSITIVE TO HUMAN DISTURBANCE.

Occurrence No. 37 **Map Index:** 13112 **EO Index:** 24314 **Element Last Seen:** 2001-08-12
Occ. Rank: Good **Presence:** Presumed Extant **Site Last Seen:** 2001-08-12
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2001-10-11

Quad Summary: Knights Ferry (3712076)

County Summary: Calaveras, Tuolumne

Lat/Long: 37.86242 / -120.63275 **Accuracy:** 1/10 mile
UTM: Zone-10 N4193191 E708240 **Elevation (ft):** 365
PLSS: T01S, R12E, Sec. 10, SE (M) **Acres:** 0.0

Location: GOODWIN DAM, KNIGHTS FERRY.

Detailed Location: BATS ROOST IN AN ABANDONED MINE SHAFT ON THE NORTH SLOPE OF THE RIVER CANYON, ABOUT 100 METERS DOWNSTREAM OF GOODWIN RESERVOIR DAM.

Ecological: HABITAT CONSISTS OF STEEP-SIDED SLOPES ADJACENT TO THE STANISLAUS RIVER BELOW GOODWIN RESERVOIR. ROOST SITE IS AN OLD MINE SHAFT (2 METERS HIGH X 2.5 METERS WIDE X 50 METERS DEEP). ENTRANCE IS OBSCURED BY 20-FT HIGH DECIDUOUS SHRUBS.

General: MVZ SPECIMEN #112333 COLLECTED ON 14 NOV 1948. 30-40 INDIVIDUALS OBSERVED USING THE MINE ON 12 AUG 2001; AN EQUAL NUMBER OF YUMA MYOTIS ALSO PRESENT.

Owner/Manager: UNKNOWN

Occurrence No. 202 **Map Index:** 69001 **EO Index:** 69346 **Element Last Seen:** 1999-08-15
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1999-08-15
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2007-04-19

Quad Summary: Knights Ferry (3712076)

County Summary: Stanislaus

Lat/Long: 37.81999 / -120.66170 **Accuracy:** 1/10 mile
UTM: Zone-10 N4188419 E705811 **Elevation (ft):** 180
PLSS: T01S, R12E, Sec. 28, NW (M) **Acres:** 0.0

Location: ABOUT 0.5 MILE EAST OF KNIGHTS FERRY.

Detailed Location: MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY SOURCE. INCLUDES LOCALITIES "KNIGHTS FERRY RIVER" AND "HC PLATFORM, RIVER EDGE."

Ecological: COTTONWOOD/SYCAMORE. DOMINATED BY MATURE TREES. CONSISTS OF A STRIP THAT IS ONLY 2-3 TREES WIDE.

General: INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 15 AUG 1999.

Owner/Manager: UNKNOWN

Antrozous pallidus

Element Code: AMACC10010

pallid bat

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G4
State: None **State:** S3
Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive
Habitat: **General:**



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DESERTS, GRASSLANDS, SHRUBLANDS, WOODLANDS AND FORESTS. MOST COMMON IN OPEN, DRY HABITATS WITH ROCKY AREAS FOR ROOSTING.

Micro: ROOSTS MUST PROTECT BATS FROM HIGH TEMPERATURES. VERY SENSITIVE TO DISTURBANCE OF ROOSTING SITES.

Occurrence No.	64	Map Index:	46016	EO Index:	46016	Element Last Seen:	2001-08-07
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2001-08-07	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2001-10-02	

Quad Summary: New Melones Dam (3712085)

County Summary: Calaveras

Lat/Long:	37.87785 / -120.60688	Accuracy:	80 meters
UTM:	Zone-10 N4194962 E710472	Elevation (ft):	500
PLSS:	T01S, R12E, Sec. 01 (M)	Acres:	0.0

Location: NORTH END OF TULLOCH RESERVOIR DAM.

Detailed Location: BASALT CLIFF FORMATIONS SURROUND THE STANISLAUS RIVER CANYON IN THIS AREA; CLIFFS ARE FOUND WITHIN 0.25-0.50 MILE OF THE TRAPPING SITE.

Ecological: HABITAT SURROUNDING THE RESERVOIR CONSISTS OF OAK SAVANNAH, WITH NUMEROUS OAK SNAGS. SITE HAS A SOUTHERLY ASPECT, WITH A SLOPE OF ABOUT 4%.

General: 1 ADULT TRAPPED ON 7 AUG 2001.

Owner/Manager: TRI-DAM

Occurrence No.	133	Map Index:	66479	EO Index:	66590	Element Last Seen:	1895-06-12
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1895-06-12	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2006-09-29	

Quad Summary: Angels Camp (3812015)

County Summary: Calaveras

Lat/Long:	38.07201 / -120.54294	Accuracy:	1 mile
UTM:	Zone-10 N4216655 E715527	Elevation (ft):	1440
PLSS:	T03N, R13E, Sec. 33 (M)	Acres:	0.0

Location: ANGELS CAMP.

Detailed Location: MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN BY MANIS, WITH UNCERTAINTY OF 2143.6462 M.

Ecological:

General: 1 MALE SPECIMEN COLLECTED BY M.P. ANDERSON 12 JUN 1895, MVZ #30371.

Owner/Manager: UNKNOWN



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Occurrence No.	361	Map Index:	68815	EO Index:	69337	Element Last Seen:	1999-08-15
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-08-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-04
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81431 / -120.72429				Accuracy:	non-specific area	
UTM:	Zone-10 N4187653 E700317				Elevation (ft):	164	
PLSS:	T01S, R11E, Sec. 26 (M)				Acres:	152.0	
Location:	ABOUT 3 MILES WSW OF KNIGHTS FERRY, HORSESHOE ROAD.						
Detailed Location:	EXACT LOCATION UNKNOWN, AS SOURCE GIVES LOCALITY ONLY AS "HORSESHOE B, HWY 120." THE ENTIRE HORSESHOE RD NEAR HWY 120 WAS MAPPED.						
Ecological:							
General:	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 15 AUG 1999.						
Owner/Manager:	UNKNOWN						

Occurrence No.	362	Map Index:	66400	EO Index:	69344	Element Last Seen:	1999-09-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-09-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-19
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81974 / -120.67173				Accuracy:	1/10 mile	
UTM:	Zone-10 N4188369 E704929				Elevation (ft):	130	
PLSS:	T01S, R12E, Sec. 29 (M)				Acres:	0.0	
Location:	KNIGHTS FERRY.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY PIE04R0001; INCLUDES LOCALITIES KNIGHTS FERRY "COTTONWOODS."						
Ecological:							
General:	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 3 JUL 1998, 17 JUN, 15 AUG AND 16 SEP 1999.						
Owner/Manager:	UNKNOWN						

Occurrence No.	389	Map Index:	69001	EO Index:	69723	Element Last Seen:	1999-09-16
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-09-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-23
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81999 / -120.66170				Accuracy:	1/10 mile	
UTM:	Zone-10 N4188419 E705811				Elevation (ft):	180	
PLSS:	T01S, R12E, Sec. 28, NW (M)				Acres:	0.0	
Location:	ABOUT 0.5 MILE EAST OF KNIGHTS FERRY.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY PIE04R0001. INCLUDES "FLOODPLAIN," "HC PLATFORM, RIVER EDGE," "PICNIC AREA."						
Ecological:	COTTONWOOD/SYCAMORE. DOMINATED BY MATURE TREES. CONSISTS OF A STRIP THAT IS ONLY 2-3 TREES WIDE.						
General:	BAT(S) DETECTED ON 3 JUL & 15 SEP 1998. 29 APR, 17 -18 JUN, 15 AUG AND 16 SEP 1999.						
Owner/Manager:	UNKNOWN						



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Eumops perotis californicus

Element Code: AMACD02011

western mastiff bat

Listing Status: **Federal:** None

CNDDB Element Ranks: **Global:** G4G5T4

State: None

State: S3S4

Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern

Habitat: **General:** MANY OPEN, SEMI-ARID TO ARID HABITATS, INCLUDING CONIFER AND DECIDUOUS WOODLANDS, COASTAL SCRUB, GRASSLANDS, CHAPARRAL, ETC.

Micro: ROOSTS IN CREVICES IN CLIFF FACES, HIGH BUILDINGS, TREES AND TUNNELS.

Occurrence No. 18 **Map Index:** 31659 **EO Index:** 2316 **Element Last Seen:** 1995-02-24

Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1995-02-24

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2006-09-27

Quad Summary: Keystone (3712075), Knights Ferry (3712076)

County Summary: Calaveras, Tuolumne

Lat/Long: 37.86230 / -120.62991 **Accuracy:** non-specific area

UTM: Zone-10 N4193184 E708490 **Elevation (ft):** 600

PLSS: T01S, R12E, Sec. 10, E (M) **Acres:** 107.0

Location: VICINITY OF TABLE MOUNTAIN, BOTH SIDES OF STANISLAUS RIVER.

Detailed Location: LOCATED IN THE BASALT CLIFFS OVER GOODWIN RESERVOIR AND GOODWIN DAM. MAPPED AS THREE POLYGONS ALONG THE STANISLAUS RIVER IN THE W1/2 SEC 11 AND THE E1/2 SEC 10.

Ecological: HABITAT SURROUNDING BASALT CLIFFS CONSISTS OF BLUE OAK WOODLAND AND ANNUAL GRASSLAND.

General: MULTIPLE INDIVIDUALS DETECTED 3 & 13 OCT 1994. ROOST LOCATED 20 NOV 1994. SEASON OF USE & NUMBERS OF INDIVIDUALS UNKNOWN; PROBABLY MULTIPLE ROOSTS PRESENT 24 FEB 1995.

Owner/Manager: PVT

Occurrence No. 19 **Map Index:** 31658 **EO Index:** 22296 **Element Last Seen:** 1995-03-01

Occ. Rank: Good **Presence:** Presumed Extant **Site Last Seen:** 1995-03-01

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2005-06-22

Quad Summary: Sonora (3712084), New Melones Dam (3712085)

County Summary: Tuolumne

Lat/Long: 37.87865 / -120.50072 **Accuracy:** 1/5 mile

UTM: Zone-10 N4195296 E719808 **Elevation (ft):** 1250

PLSS: T01S, R13E, Sec. 02, SE (M) **Acres:** 0.0

Location: 1 MILE SW OF YOSEMITE JUNCTION, SOUTH OF HWY 120, ABOUT 4 MILES SOUTH OF NEW MELONES LAKE.

Detailed Location: LOCATED ON THE WEST ASPECT OF TABLE MOUNTAIN, SOUTH OF HWY 120/108.

Ecological: HABITAT CONSISTS OF THE BASALT CLIFFS OF TABLE MOUNTAIN; BLUE OAK WOODLAND FOUND BELOW.

General: ALTHOUGH USED BY A NUMBER OF INDIVIDUALS DURING THE SUMMER, THIS IS APPARENTLY NOT A MATERNITY ROOST. SERVAL ADULTS OBSERVED IN AREA 25 OCT 1994.

Owner/Manager: PVT



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Occurrence No.	22	Map Index:	33335	EO Index:	14554	Element Last Seen:	1995-04-04
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1995-04-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-02-16
Quad Summary:	New Melones Dam (3712085)						
County Summary:	Tuolumne						
Lat/Long:	37.90878 / -120.56047				Accuracy:	80 meters	
UTM:	Zone-10 N4198500 E714465				Elevation (ft):	1000	
PLSS:	T01N, R13E, Sec. 28, SW (M)				Acres:	0.0	
Location:	"IF I CAN" MINE, AT "JAILHOUSE ROCK," NE OF TULLOCH RESERVOIR, JUST EAST OF THE STANISLAUS RIVER.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF THE BASALT CLIFFS OF TABLE MOUNTAIN, OVER BLUE OAK WOODLAND, NEAR TULLOCH RESERVOIR.						
General:	8 INDIVIDUALS OBSERVED ROOSTING ON 4 APRIL 1995.						
Owner/Manager:	PVT						

Occurrence No.	90	Map Index:	66329	EO Index:	66423	Element Last Seen:	1957-12-27
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1957-12-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-09-21
Quad Summary:	Oakdale (3712077), Escalon (3712078)						
County Summary:	Stanislaus						
Lat/Long:	37.79802 / -120.86587				Accuracy:	3/5 mile	
UTM:	Zone-10 N4185550 E687893				Elevation (ft):		
PLSS:	T02S, R10E, Sec. 03 (M)				Acres:	0.0	
Location:	2 MILES NORTH OF OAKDALE.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN IN MANIS, WITH UNCERTAINTY 804.672 M.						
Ecological:							
General:	1 FEMALE COLLECTED BY B. NEAL AND R. GARRETSON ON 27 DEC 1957, MVZ #183488.						
Owner/Manager:	UNKNOWN						

Occurrence No.	96	Map Index:	66343	EO Index:	66440	Element Last Seen:	1994-11-20
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1994-11-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-09-25
Quad Summary:	New Melones Dam (3712085)						
County Summary:	Tuolumne						
Lat/Long:	37.88257 / -120.56277				Accuracy:	1/10 mile	
UTM:	Zone-10 N4195586 E714338				Elevation (ft):	900	
PLSS:	T01S, R13E, Sec. 05, NE (M)				Acres:	0.0	
Location:	TULLOCH LAKE, TABLE MT.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COODINATES GIVEN.						
Ecological:							
General:	ROOST LOCATED 20 NOV 1994.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	97	Map Index:	66344	EO Index:	66441	Element Last Seen:	1994-10-13
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1994-10-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2006-09-25
Quad Summary:	New Melones Dam (3712085)						
County Summary:	Calaveras, Tuolumne						
Lat/Long:	37.87646 / -120.60386			Accuracy:	1/10 mile		
UTM:	Zone-10 N4194815 E710742			Elevation (ft):	450		
PLSS:	T01S, R12E, Sec. 01, SW (M)			Acres:	0.0		
Location:	TULLOCH RESERVOIR, NORTH SHORE.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN. INCLUDES LOCALITIES "O'BYRNE'S FERRY RD. & STANISLAUS RIVER" AND "TABLE MT, TULLOCH LAKE." COORDINATES PLACE OCCURRENCE NEAR DAM; NEEDS FIELDWORK.						
Ecological:							
General:	MULTIPLE INDIVIDUALS DETECTED 3 & 13 OCT 1994. ROOST LOCATED 20 NOV 1994.						
Owner/Manager:	UNKNOWN						
Occurrence No.	144	Map Index:	66400	EO Index:	66495	Element Last Seen:	1999-10-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-10-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-19
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81974 / -120.67173			Accuracy:	1/10 mile		
UTM:	Zone-10 N4188369 E704929			Elevation (ft):	210		
PLSS:	T01S, R12E, Sec. 29, E (M)			Acres:	0.0		
Location:	KNIGHTS FERRY.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN. INCLUDES LOCALITY "COTTONWOODS."						
Ecological:	COTTONWOOD/SYCAMORE. DOMINATED BY MATURE TREES. CONSISTS OF A STRIP THAT IS ONLY 2-3 TREES WIDE.						
General:	MULTIPLE INDIVIDUALS DETECTED 13 OCT 1994. INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 15 AUG, & 22 OCT 1999.						
Owner/Manager:	UNKNOWN						
Occurrence No.	216	Map Index:	68815	EO Index:	69338	Element Last Seen:	1999-08-15
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-08-15
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-04
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81431 / -120.72429			Accuracy:	non-specific area		
UTM:	Zone-10 N4187653 E700317			Elevation (ft):	164		
PLSS:	T01S, R11E, Sec. 26 (M)			Acres:	152.0		
Location:	ABOUT 3 MILES WSW OF KNIGHTS FERRY, HORSESHOE ROAD.						
Detailed Location:	EXACT LOCATION UNKNOWN, AS SOURCE GIVES LOCALITY ONLY AS "HORSESHOE A & B, HWY 120." THE ENTIRE HORSESHOE RD NEAR HWY 120 WAS MAPPED.						
Ecological:							
General:	INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 15 AUG 1999.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	236	Map Index:	64072	EO Index:	69717	Element Last Seen:	1999-10-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-10-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-04-19
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Calaveras, Tuolumne						
Lat/Long:	37.84068 / -120.64195			Accuracy:	1/10 mile		
UTM:	Zone-10 N4190759 E707492			Elevation (ft):	250		
PLSS:	T01S, R12E, Sec. 22 (M)			Acres:	0.0		
Location:	ABOUT 2 MILES NE OF KNIGHTS FERRY, STANISLAUS RIVER, TWO MILE BAR.						
Detailed Location:							
Ecological:							
General:	MULTIPLE INDIVIDUALS DETECTED 13 OCT 1994. INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 17 JUN, 15 AUG, 16 SEP AND 22 OCT 1999.						
Owner/Manager:	UNKNOWN						
Occurrence No.	237	Map Index:	69001	EO Index:	69721	Element Last Seen:	1999-10-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1999-10-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2007-05-08
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81999 / -120.66170			Accuracy:	1/10 mile		
UTM:	Zone-10 N4188419 E705811			Elevation (ft):	180		
PLSS:	T01S, R12E, Sec. 28, NW (M)			Acres:	0.0		
Location:	ABOUT 0.5 MILE EAST OF KNIGHTS FERRY.						
Detailed Location:	MAPPED ACCORDING TO LAT/LONG COORDINATS PROVIDED BY SOURCE. INCLUDES "FLOODPLAIN," "HC PLATFORM, RIVER EDGE", & "PICNIC AREA."						
Ecological:	COTTONWOOD/SYCAMORE. DOMINATED BY MATURE TREES. CONSISTS OF A STRIP THAT IS ONLY 2-3 TREES WIDE.						
General:	BAT(S) DETECTED ON 3 JUL & 15 SEP 1998. 17 -18 JUN, 15 AUG, & 22 OCT 1999.						
Owner/Manager:	UNKNOWN						



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Erethizon dorsatum

Element Code: AMAFJ01010

North American porcupine

Listing Status: **Federal:** None

CNDDB Element Ranks: **Global:** G5

State: None

State: S3

Other: IUCN_LC-Least Concern

Habitat: **General:** FORESTED HABITATS IN THE SIERRA NEVADA, CASCADE, AND COAST RANGES, WITH SCATTERED OBSERVATIONS FROM FORESTED AREAS IN THE TRANSVERSE RANGES.

Micro: WIDE VARIETY OF CONIFEROUS AND MIXED WOODLAND HABITAT.

Occurrence No. 427 **Map Index:** A6223 **EO Index:** 107979 **Element Last Seen:** 2015-09-13
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 2015-09-13
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2017-09-05

Quad Summary: Copperopolis (3712086)

County Summary: Calaveras

Lat/Long: 37.97909 / -120.64106 **Accuracy:** 2/5 mile
UTM: Zone-10 N4206120 E707182 **Elevation (ft):** 973
PLSS: T02N, R12E, Sec. 34, S (M) **Acres:** 280.0

Location: AREA JUST SE OF HWY 4 AT ROCK CREEK RD, COPPEROPOLIS.

Detailed Location: MAPPED TO INCLUDE THE PROVIDED COORDINATES AND GENERAL LOCATION DESCRIPTION OF "COPPEROPOLIS."

Ecological:

General: 1 PORCUPINE OBSERVED COMING UP ON THE PORCH OF A PRIVATE RESIDENCE ON 13 SEP 2015.

Owner/Manager: UNKNOWN, PVT

Occurrence No. 428 **Map Index:** A6116 **EO Index:** 107869 **Element Last Seen:** 2013-05-11
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 2013-05-11
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2017-08-28

Quad Summary: Copperopolis (3712086)

County Summary: Calaveras

Lat/Long: 37.95138 / -120.69531 **Accuracy:** non-specific area
UTM: Zone-10 N4202926 E702493 **Elevation (ft):** 998
PLSS: T01N, R12E, Sec. 7, E (M) **Acres:** 49.0

Location: ALONG HWY 4, ABOUT 0.2-1 MI W OF HORSESHOE LN INTERSECTION, 1.1 MI ESE OF BOUCHER MOUNTAIN PEAK, W OF COPPEROPOLIS.

Detailed Location: MAPPED ACCORDING TO THE PROVIDED LOCATION DESCRIPTION OF "HWY 4, ABOUT 3.8 MILES WEST OF COPPEROPOLIS." COORDINATES WERE PROVIDED BUT WERE LOCATED ABOUT 0.2 MI OFF OF THE ROAD. USED ONLY AS AN ESTIMATE OF THE LOCATION ON THE ROAD.

Ecological:

General: 1 PORCUPINE OBSERVED AS ROADKILL ON 11 MAY 2013.

Owner/Manager: UNKNOWN

Actinemys marmorata

Element Code: ARAAD02031

northwestern pond turtle

Listing Status: **Federal:** Proposed Threatened

CNDDB Element Ranks: **Global:** G2

State: None

State: SNR

Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable, USFS_S-Sensitive

Habitat: **General:** ☐

Micro: ☐



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Occurrence No.	105	Map Index:	38604	EO Index:	33611	Element Last Seen:	1997-06-12
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1997-06-12
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-04-13
Quad Summary:	Keystone (3712075)						
County Summary:	Tuolumne						
Lat/Long:	37.86506 / -120.53549				Accuracy:	specific area	
UTM:	Zone-10 N4193706 E716789				Elevation (ft):	600	
PLSS:	T01S, R13E, Sec. 10, NW (M)				Acres:	24.7	
Location:	GREEN SPRING RUN, 0.5 MILES UPSTREAM OF MOUNTAIN PASS CREEK CONFLUENCE, SW OF SONORA.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF GRAZED RIPARIAN. RIPARIAN IN POOR CONDITION; VEGETATION IS SCANT AND DOMINATED BY WOODY SPECIES/NON-NATIVES. STREAM RUNS DRY IN SECTIONS DUE TO LACK OF RIPARIAN VEGETATION.						
General:	1 ADULT POND TURTLE OBSERVED ON 12 JUN 1997.						
Owner/Manager:	BLM						

Occurrence No.	451	Map Index:	32807	EO Index:	12431	Element Last Seen:	1879-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1879-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-02-22
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81844 / -120.67240				Accuracy:	1 mile	
UTM:	Zone-10 N4188223 E704873				Elevation (ft):	150	
PLSS:	T01S, R12E, Sec. 29 (M)				Acres:	0.0	
Location:	KNIGHTS FERRY.						
Detailed Location:	NO OTHER LOCATION INFORMATION GIVEN.						
Ecological:							
General:	LOCKINGTON COLLECTED UNKNOWN NUMBER OF SPECIMENS IN 1879.						
Owner/Manager:	UNKNOWN						

Occurrence No.	529	Map Index:	34697	EO Index:	323	Element Last Seen:	1993-06-17
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	1993-06-17
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-04-02
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.80775 / -120.83243				Accuracy:	specific area	
UTM:	Zone-10 N4186698 E690814				Elevation (ft):	200	
PLSS:	T01S, R10E, Sec. 35 (M)				Acres:	7.7	
Location:	LARGE MAN-MADE LAKE 100 FT N OF BURNETT LATERAL, 0.9 MI DUE N OF RODDEN ROAD, 0.45 MI E OF TWENTY-EIGHT MILE ROAD.						
Detailed Location:							
Ecological:	LARGE MAN-MADE LAKE SURROUNDED BY ANNUAL GRASSLANDS AND ORCHARDS.						
General:	1 ADULT OBSERVED BY C. LUKE.						
Owner/Manager:	PVT						



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Occurrence No.	530	Map Index:	34698	EO Index:	322	Element Last Seen:	1993-06-17
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	1993-06-17	Record Last Updated:	1996-04-02
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.80225 / -120.82875				Accuracy:	1/5 mile	
UTM:	Zone-10 N4186095 E691152				Elevation (ft):	180	
PLSS:	T01S, R10E, Sec. 36 (M)				Acres:	0.0	
Location:	LARGE POND AT INTERSECTION OF HI LINE & COLLINS LATERALS; 0.45 MI NORTH OF RODDEN RD; 0.65 MI E OF TWENTY-EIGHT MILE RD.						
Detailed Location:							
Ecological:	MAN-MADE POND, WITH WEEPING WILLOWS ALONG SOUTHERN BANK, AT THE INTERSECTION OF TWO CREEKS, SURROUNDED BY ANNUAL GRASSLAND, IRRIGATION DITCHES AND ORCHARDS.						
General:	1 ADULT AND 1 JUVENILE OBSERVED AT POND BY C. LUKE.						
Owner/Manager:	PVT						

Northern Hardpan Vernal Pool

Element Code: CTT44110CA

Northern Hardpan Vernal Pool

Listing Status:	Federal:	None	CNDDDB Element Ranks:	Global:	G3
	State:	None		State:	S3.1
	Other:				
Habitat:	General:	<input type="checkbox"/>			
	Micro:	<input type="checkbox"/>			

Occurrence No.	77	Map Index:	12701	EO Index:	26873	Element Last Seen:	1986-07-24
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1986-07-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1998-07-15
Quad Summary:	Knights Ferry (3712076), Oakdale (3712077), Copperopolis (3712086), Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.88742 / -120.75798				Accuracy:	1 mile	
UTM:	Zone-10 N4195694 E697156				Elevation (ft):	340	
PLSS:	T01N, R11E, Sec. 34, SW (M)				Acres:	0.0	
Location:	HEADWATERS OF SHIRLEY CREEK, ABOUT 6 AIR MILES NW OF KNIGHTS FERRY (RANCHERIA DEL RIO ESTANISLAO).						
Detailed Location:	IN ANNUAL GRASSLAND.						
Ecological:	NEOSTAPFIA COLUSANA IN DEEPEST PORTION OF POOL W/ CRYPIS NILIACEA. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.						
General:	SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	PVT						

Branchinecta lynchi

Element Code: ICBRA03030

vernal pool fairy shrimp

Listing Status:	Federal:	Threatened	CNDDDB Element Ranks:	Global:	G3
	State:	None		State:	S3
	Other:	IUCN_VU-Vulnerable			
Habitat:	General:	ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MOUNTAINS, AND SOUTH COAST MOUNTAINS, IN ASTATIC RAIN-FILLED POOLS.			



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Micro: INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.							
Occurrence No.	795	Map Index:	93974	EO Index:	95102	Element Last Seen:	2013-02-04
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-02-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-09-30
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.76042 / -120.71720				Accuracy:	non-specific area	
UTM:	Zone-10 N4181688 E701086				Elevation (ft):	250	
PLSS:	T02S, R11E, Sec. 13 (M)				Acres:	33.0	
Location:	ALONG HETCH HETCHY AQUEDUCT, 0.3 TO 0.9 MILE NE OF WHERE FOGARTY ROAD CROSSES SIERRA RAILROAD, EAST OF OAKDALE.						
Detailed Location:	CASHMAN CREEK STUDY AREA. MAPPED TO OCCUPIED POOLS.						
Ecological:	VERNAL POOLS WITHIN HETCH HETCHY AQUEDUCT RIGHT-OF-WAY ON LAND USED FOR GRAZING.						
General:	ADULTS DETECTED IN 4 OF 62 POOLS SAMPLED IN 2010-2011. B. LYNCHI CYSTS IDENTIFIED FROM AN ADDITIONAL 5 POOLS (AND A TOTAL OF 7 POOLS). 1S FOUND IN 1 POOL ON 4 FEB 2013.						
Owner/Manager:	SFPUC						
Occurrence No.	796	Map Index:	93977	EO Index:	95109	Element Last Seen:	2013-01-07
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-01-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-09-29
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.77673 / -120.67720				Accuracy:	80 meters	
UTM:	Zone-10 N4183584 E704566				Elevation (ft):	460	
PLSS:	T02S, R12E, Sec. 08, NW (M)				Acres:	0.0	
Location:	ALONG THE HETCH HETCHY AQUEDUCT, 1.8 MILES EAST OF CASHMAN DAM, EAST OF OAKDALE.						
Detailed Location:	VERNAL POOL 54.70-1 IN SFPUC EAST SEGMENT PIPELINE 4 HABITAT MAP BOOK.						
Ecological:	VERNAL POOL WITHIN SFPUC ROW. POOL ABOUT 7 INCHES DEEP, 8 DEGREES CELSIUS. VISIBLE DISTURBANCES FROM ACCESS ROAD AND CATTLE GRAZING NOTED.						
General:	1S DETECTED IN 1 POOL ON 7 JAN 2013.						
Owner/Manager:	SFPUC						



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Occurrence No.	797	Map Index:	93979	EO Index:	95112	Element Last Seen:	2013-01-07
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-01-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2014-09-29
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.78471 / -120.66437				Accuracy:	specific area	
UTM:	Zone-10 N4184497 E705674				Elevation (ft):	540	
PLSS:	T02S, R12E, Sec. 04, SW (M)				Acres:	6.0	
Location:	JUST NORTH OF THE HETCH HETCHY AQUEDUCT, 2.6 MILES ENE OF CASHMAN DAM, EAST OF OAKDALE.						
Detailed Location:	POOLS AR10-2 AND AR10-5 IN SFPUC EAST SEGMENT PIPELINE 4 HABITAT MAP BOOK.						
Ecological:	TWO VERNAL POOLS ADJACENT TO SFPUC ACCESS ROAD, DEPTH 5 INCHES, TEMPERATURE 10 DEGREES C. SURROUNDING USES GRAZING, ALMOND ORCHARDS.						
General:	3 ADULTS FOUND IN 2 POOLS ON 7 JAN 2013.						
Owner/Manager:	SFPUC, PVT						

Occurrence No.	921	Map Index:	B5266	EO Index:	118217	Element Last Seen:	2003-01-20
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-01-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-03-13
Quad Summary:	Keystone (3712075)						
County Summary:	Stanislaus						
Lat/Long:	37.77283 / -120.62123				Accuracy:	80 meters	
UTM:	Zone-10 N4183276 E709508				Elevation (ft):	299	
PLSS:	T02S, R12E, Sec. 11, SW (M)				Acres:	5.0	
Location:	W SIDE OF WILMS RD, ABOUT 2.6 MILES NW OF THE ROCK RIVER RD JUNCTION & 4.2 MI SE OF KNIGHTS FERRY.						
Detailed Location:	SITE DESCRIPTION: "ISOLATED POND 2.59 MILES NW OF ROCK RIVER RD JUNCT."						
Ecological:	ISOLATED POND WITH SILT AND VEGETATION SUBSTRATES.						
General:	4 FEMALE AND 9 MALE ADULTS DETECTED ON 20 JAN 2003.						
Owner/Manager:	UNKNOWN						

Occurrence No.	922	Map Index:	B5267	EO Index:	118219	Element Last Seen:	2003-01-20
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2003-01-20
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-03-13
Quad Summary:	Keystone (3712075)						
County Summary:	Stanislaus						
Lat/Long:	37.75137 / -120.60291				Accuracy:	specific area	
UTM:	Zone-10 N4180935 E711182				Elevation (ft):	251	
PLSS:	T02S, R12E, Sec. 24, NW (M)				Acres:	9.0	
Location:	W SIDE OF WILMS RD, ABOUT 0.8 MILES NW OF THE ROCK RIVER RD JUNCTION & 6.0 MI SE OF KNIGHTS FERRY.						
Detailed Location:	SITE DESCRIPTIONS: "ISOLATED PONDS 0.86 MILE NW OF ROCK RIVER RD JUNCT" & "ISOLATED POND 0.77 MILES NW OF ROCK RIVER RD JUNCT."						
Ecological:							
General:	8 FEMALE, 28 MALE & 1 UNKNOWN ADULTS DETECTED ON 20 JAN 2003.						
Owner/Manager:	UNKNOWN						



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<i>Linderiella occidentalis</i>				Element Code: ICBRA06010	
California linderiella					
Listing Status:	Federal:	None	CNDDDB Element Ranks:	Global:	G2G3
	State:	None		State:	S2S3
	Other:	IUCN_NT-Near Threatened			
Habitat:	General:	SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.			
	Micro:	WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TOTAL DISSOLVED SOLIDS.			

Occurrence No.	35	Map Index:	33068	EO Index:	3701	Element Last Seen:	1994-04-08
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1994-04-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-03-21
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						

Lat/Long:	37.98510 / -120.84158	Accuracy:	1/5 mile
UTM:	Zone-10 N4206360 E689552	Elevation (ft):	240
PLSS:	T02N, R10E, Sec. 35, NE (M)	Acres:	0.0

Location:	EAST SIDE OF MILTON ROAD, 2.7 MILES NORTH OF HIGHWAY 4, ABOUT 2.5 MILES SOUTH OF MILTON.
Detailed Location:	
Ecological:	
General:	COLLECTION #MW-94-33, DEPOSITED AT DFG-IFD.
Owner/Manager:	UNKNOWN

Occurrence No.	36	Map Index:	33069	EO Index:	3702	Element Last Seen:	1994-04-08
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1994-04-08
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1995-03-21
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						

Lat/Long:	37.99244 / -120.84576	Accuracy:	1/5 mile
UTM:	Zone-10 N4207166 E689167	Elevation (ft):	220
PLSS:	T02N, R10E, Sec. 26, SW (M)	Acres:	0.0

Location:	EAST SIDE OF MILTON ROAD, 3.2 MILES NORTH OF HIGHWAY 4, ABOUT 3 MILES SOUTH OF MILTON.
Detailed Location:	
Ecological:	
General:	COLLECTION #MW-94-34, DEPOSITED AT DFG-IFD.
Owner/Manager:	UNKNOWN



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Occurrence No.	482	Map Index:	B5557	EO Index:	118526	Element Last Seen:	2013-02-26
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-02-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-05-26
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.75462 / -120.72655				Accuracy:	specific area	
UTM:	Zone-10 N4181023 E700279				Elevation (ft):	215	
PLSS:	T02S, R11E, Sec. 14, SE (M)				Acres:	3.0	
Location:	ALONG FOGARTY ROAD AT SIERRA RAILROAD, 6.6 MILES EAST OF OAKDALE.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES FOR POOL ID 14-6. AT THE NW CORNER OF SIERRA RAILROAD AND FOGARTY ROAD (DIRT) SOUTH OF HETCH HETCHY AQUEDUCT.						
Ecological:	NEARBY LAND CONVERTED TO ALMOND ORCHARDS AROUND 2016.						
General:	DETECTED HERE ON 26 FEB 2013.						
Owner/Manager:	UNKNOWN						

Occurrence No.	483	Map Index:	B5558	EO Index:	118527	Element Last Seen:	2013-02-04
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2013-02-04
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-05-29
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.75955 / -120.71927				Accuracy:	specific area	
UTM:	Zone-10 N4181586 E700908				Elevation (ft):	239	
PLSS:	T02S, R11E, Sec. 13, SW (M)				Acres:	23.0	
Location:	ALONG HETCH HETCHY AQUEDUCT WHERE FOGARTY RD TURNS INTO WAMBLE RD JUST E OF SIERRA RAILROAD, 6.9 MILES E OF OAKDALE.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES FOR ABOUT 13 POOLS ALONG THE HETCH HETCHY AQUEDUCT JUST EAST OF SIERRA RAILROAD.						
Ecological:	SOME POOLS APPEAR TO HAVE BEEN CONVERTED TO ALMOND ORCHARDS AROUND 2016.						
General:	86 CYSTS DETECTED IN 13 OF 62 POOLS IN AUG 2011. FOUND HERE ON 7 JAN AND 4 FEB 2013.						
Owner/Manager:	UNKNOWN						

<i>Lepidurus packardii</i>			Element Code: ICBRA10010	
vernal pool tadpole shrimp				
Listing Status:	Federal:	Endangered	CNDDB Element Ranks:	Global: G3
	State:	None		State: S3
	Other:	IUCN_EN-Endangered		
Habitat:	General:	INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.		
	Micro:	POOLS COMMONLY FOUND IN GRASS-BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED AND HIGHLY TURBID.		



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Occurrence No.	64	Map Index:	34784	EO Index:	28654	Element Last Seen:	1993-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1993-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-07-30
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.79096 / -120.86574				Accuracy:	80 meters	
UTM:	Zone-10 N4184767 E687924				Elevation (ft):	185	
PLSS:	T02S, R10E, Sec. 03 (M)				Acres:	0.0	
Location:	NNW OF OAKDALE; IMMEDIATELY EAST OF VALLEY HOME ROAD AT BURNETT LATERAL.						
Detailed Location:	2 PARALLEL DITCHES BETWEEN LARGE FISH POND AND HIGHWAY 120.						
Ecological:							
General:	NUNKOWN NUMBER OF TADPOLE SHRIMP COLLECTED; PROPERTY FOR SALE ON 5/17/1993.						
Owner/Manager:	PVT						

Occurrence No.	65	Map Index:	34785	EO Index:	12639	Element Last Seen:	1993-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1993-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1996-07-30
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.80133 / -120.83721				Accuracy:	80 meters	
UTM:	Zone-10 N4185976 E690409				Elevation (ft):	190	
PLSS:	T01S, R10E, Sec. 35 (M)				Acres:	0.0	
Location:	EAST OF BURNETT LATERAL AT OLD TULLOCH DRAIN; 850 FEET EAST OF TWENTY-EIGHT MILE ROAD; 0.5 MILE NORTH OF RODDEN ROAD.						
Detailed Location:							
Ecological:	LARGE, SHALLOW, TEMPORARY POND.						
General:	TADPOLE SHRIMP OBSERVED AND COLLECTED; DATA RECEIVED FROM USFWS IN 1996.						
Owner/Manager:	PVT						

Occurrence No.	102	Map Index:	33705	EO Index:	30658	Element Last Seen:	1993-03-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1993-03-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	1997-03-18
Quad Summary:	Oakdale (3712077)						
County Summary:	Stanislaus						
Lat/Long:	37.76108 / -120.80255				Accuracy:	3/5 mile	
UTM:	Zone-10 N4181580 E693566				Elevation (ft):	200	
PLSS:	T02S, R11E, Sec. 18 (M)				Acres:	0.0	
Location:	VICINITY OF WREN ROAD AND SIERRA ROAD, ABOUT 2 MILES ESE OF OAKDALE.						
Detailed Location:	VERNAL POOLS LOCATED SOMEWHERE IN SECTION 18.						
Ecological:	NATURAL VERNAL POOLS.						
General:	LEPIDURUS PACKARDI OBSERVED IN THE ONE FEATURE INSPECTED. SUGNET RECORD #112. NO B. LYNCHI OBSERVED.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	164	Map Index:	46009	EO Index:	46009	Element Last Seen:	2001-08-27
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2001-08-27
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2001-10-02
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus, Tuolumne						
Lat/Long:	37.81954 / -120.64529				Accuracy:	3/5 mile	
UTM:	Zone-10 N4188405 E707257				Elevation (ft):	460	
PLSS:	T01S, R12E, Sec. 27 (M)				Acres:	0.0	
Location:	EAST OF KNIGHTS FERRY.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF NORTHERN VOLCANIC MUDFLOW VERNAL POOL; VEGETATED BY LASTHENIA FREMONTII, ERYNGIUM CASTRENSE, PLAGIOBOTHRYUS STIPITATUS, DOWNINGIA ORNATISSIMA, RANUNCULUS BONARIENSIS, AND DESCHAMPSIA DANTHONIOIDES.						
General:	25 CYSTS COLLECTED ON 27 AUG 2001 AND DEPOSITED AT BOHART MUSEUM (UCD).						
Owner/Manager:	PVT						

Occurrence No.	349	Map Index:	95218	EO Index:	96355	Element Last Seen:	2013-02-26
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2013-02-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2015-02-24
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.75920 / -120.72066				Accuracy:	specific area	
UTM:	Zone-10 N4181544 E700785				Elevation (ft):	240	
PLSS:	T02S, R11E, Sec. 14 (M)				Acres:	59.0	
Location:	VICINITY OF HETCH HETCHY AQUEDUCT, FROM FOGARTY RD AT THE SIERRA RR CROSSING TO WAMBLE RD AT THE AQUEDUCT CROSSING.						
Detailed Location:	CASHMAN CREEK STUDY AREA. MAPPED TO OCCUPIED POOLS.						
Ecological:	VERNAL POOLS WITHIN HETCH HETCHY AQUEDUCT RIGHT-OF-WAY ON LAND USED FOR GRAZING; VP INDICATOR PLANTS PRESENT. SPECIES CO-OCCURRED WITH AMBYSTOMA CALIFORNIENSE LARVAE & LINDERIELLA OCCIDENTALIS. BRANCHINECTA LYNCHI CYSTS ALSO FOUND ONSITE.						
General:	ADULTS FOUND IN 12 OF 62 POOLS SAMPLED IN 2010-2011; CARAPACES ONLY IN AN ADDITIONAL 2 POOLS; CYSTS IN 7 POOLS. 10S-100S FOUND IN 5 POOLS, FEB 2013.						
Owner/Manager:	SFPUC, PVT						



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Desmocerus californicus dimorphus

Element Code: IICOL48011

valley elderberry longhorn beetle

Listing Status: **Federal:** Threatened

CNDDDB Element Ranks: **Global:** G3T3

State: None

State: S3

Other:

Habitat: **General:** OCCURS ONLY IN THE CENTRAL VALLEY OF CALIFORNIA, IN ASSOCIATION WITH BLUE ELDERBERRY (SAMBUCUS MEXICANA).

Micro: PREFERS TO LAY EGGS IN ELDERBERRIES 2-8 INCHES IN DIAMETER; SOME PREFERENCE SHOWN FOR "STRESSED" ELDERBERRIES.

Occurrence No.	219	Map Index:	90164	EO Index:	91175	Element Last Seen:	2009-12-02
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2009-12-02	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2013-08-20	

Quad Summary: Knights Ferry (3712076)

County Summary: Stanislaus

Lat/Long:	37.81823 / -120.66262	Accuracy:	80 meters
UTM:	Zone-10 N4188222 E705734	Elevation (ft):	210
PLSS:	T01S, R12E, Sec. 28, SW (M)	Acres:	0.0

Location: ALONG SCHUPER RD, ABOUT 0.5 MI ESE OF KNIGHTS FERRY (TOWN), 1.8 MI ENE OF LOVERS LEAP.

Detailed Location: MAPPED TO PROVIDED COORDINATES. NEAR 18201 SHUPER RD, KNIGHTS FERRY.

Ecological: ELDERBERRY SHRUB LOCATED AT THE SIDE OF A ROAD IN GRASSLAND/OAK WOODLAND WAS ESTIMATED TO BE 22 FT TALL WITH 20 X 20 FT MAXIMUM CANOPY. SHRUB UNDERGOES REGULAR PRUNING FROM PG&E AND ROAD CLEARANCE ACTIVITIES.

General: 3 EXIT HOLES FOUND ON 2 DEC 2009.

Owner/Manager: UNKNOWN

Occurrence No.	220	Map Index:	90167	EO Index:	91178	Element Last Seen:	2009-12-02
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2009-12-02	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2013-08-20	

Quad Summary: Knights Ferry (3712076)

County Summary: Stanislaus

Lat/Long:	37.79005 / -120.74438	Accuracy:	80 meters
UTM:	Zone-10 N4184918 E698612	Elevation (ft):	150
PLSS:	T02S, R11E, Sec. 03 (M)	Acres:	0.0

Location: ABOUT 0.2 MI WNW OF OLIVE RD AT ORANGE BLOSSOM RD, 6 MI ENE OF OAKDALE CITY HALL.

Detailed Location: MAPPED TO PROVIDED COORDINATES. NEAR DRIVEWAY GATE AT 13537 ORANGE BLOSSOM RD, OAKDALE.

Ecological: ELDERBERRY SHRUB LOCATED AT THE SIDE OF A ROAD IN RESIDENTIAL AREA WAS ESTIMATED TO BE 18 FT TALL WITH 50 X 15 FT MAXIMUM CANOPY. SHRUB UNDERGOES REGULAR PRUNING FROM PG&E AND RESIDENTS.

General: OVER 20 EXIT HOLES FOUND ON 2 DEC 2009.

Owner/Manager: PVT



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Rhaphiomidas trochilus

Element Code: IIDIP05010

San Joaquin Valley giant flower-loving fly

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G1

State: None

State: S1

Other:

Habitat: **General:** HISTORICALLY KNOWN FROM, AND ENDEMIC TO, SANDY SOILS OF THE SAN JOAQUIN VALLEY FROM ANTIOCH DUNES IN CONTRA COSTA CO SOUTH TO SAND RIDGE IN KERN CO. ASSOCIATED WITH SANDY SOILS SUCH AS RIVERINE DEPOSITS AND SAND DUNES WITH RELATIVELY SPARSE VEGETATION.

Micro: ADULT FLIGHT FROM JUL TO OCT AND LIFE SPAN IS ABOUT 3 DAYS AND DO NOT VISIT FLOWERS/NECTAR. FEMALES DEPOSIT EGGS IN AND ON THE SURFACE OF SANDY SOIL. LARVAE BURROW IN FINE SANDS UP TO 10 FEET DEEP AND ARE KNOWN TO LIVE FOR 3 YEARS PRIOR TO PUPATION.

Occurrence No.	3	Map Index:	12533	EO Index:	121295	Element Last Seen:	1961-08-24
Occ. Rank:	None	Presence:	Extirpated	Site Last Seen:			1961-08-24
Occ. Type:	Natural/Native occurrence	Trend:	Decreasing	Record Last Updated:			2022-07-05

Quad Summary: Oakdale (3712077)

County Summary: Stanislaus

Lat/Long:	37.76742 / -120.85327	Accuracy:	1 mile
UTM:	Zone-10 N4182180 E689081	Elevation (ft):	150
PLSS:	T02S, R10E, Sec. 15 (M)	Acres:	0.0

Location: OAKDALE.

Detailed Location: MAPPED NON-SPECIFICALLY TO TOWN OF OAKDALE. SPECIMEN RECORD ONLY NOTED AS "OAKDALE" (CAZIER 1985). POSSIBLY COLLECTED FROM SANDY BANKS OF THE STANISLAUS RIVER.

Ecological: THIS SPECIES WAS THOUGHT TO BE EXTINCT BY 1979 AFTER THE LAST DETECTION AT THE TIME WAS IN 1974 (ANTIOCH DUNES). THE SPECIES WAS REDISCOVERED IN 1997 IN KERN COUNTY AND IS NOW ONLY KNOWN FROM ONE SITE.

General: 1 MALE COLLECTED BY GRAHAM ON 24 AUG 1961.

Owner/Manager: UNKNOWN



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Bombus pensylvanicus

Element Code: IIHYM24260

American bumble bee

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G3G4
State: None **State:** S2
Other: IUCN_VU-Vulnerable
Habitat: **General:** ☐
Micro: LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Occurrence No. 91 **Map Index:** 32807 **EO Index:** 124191 **Element Last Seen:** 1957-08-09
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1957-08-09
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2023-06-19

Quad Summary: Knights Ferry (3712076)

County Summary: Stanislaus

Lat/Long: 37.81844 / -120.67240 **Accuracy:** 1 mile
UTM: Zone-10 N4188223 E704873 **Elevation (ft):** 150
PLSS: T01S, R12E, Sec. 29 (M) **Acres:** 0.0

Location: KNIGHTS FERRY.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED NON-SPECIFICALLY TO TOWN OF KNIGHTS FERRY.

Ecological:

General: 1 ADULT COLLECTED BY S. FULLERTON ON 18 JUL 1956. 1 ADULT COLLECTED BY S. FULLERTON ON 12 MAY 1957. 1 ADULT COLLECTED BY S. FULLERTON ON 19 JUN 1957. 3 ADULTS COLLECTED BY S. FULLERTON ON 9 AUG 1957.

Owner/Manager: UNKNOWN

Calicina breva

Element Code: ILARAU8020

Stanislaus harvestman

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G1
State: None **State:** S1
Other:
Habitat: **General:** KNOWN ONLY FROM THE TYPE LOCALITY, 1.6 KM SOUTH OF KNIGHT'S FERRY, STANISLAUS COUNTY.
Micro: FOUND UNDER BASALT ROCKS IN GRASSLAND.

Occurrence No. 1 **Map Index:** 59463 **EO Index:** 59499 **Element Last Seen:** 1967-04-11
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1967-04-11
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2005-01-19

Quad Summary: Knights Ferry (3712076)

County Summary: Stanislaus

Lat/Long: 37.80414 / -120.67121 **Accuracy:** 2/5 mile
UTM: Zone-10 N4186639 E705017 **Elevation (ft):** 320
PLSS: T01S, R12E, Sec. 32 (M) **Acres:** 0.0

Location: 1 MILE SOUTH OF KNIGHTS FERRY.

Detailed Location:

Ecological: FOUND UNDER BASALT ROCKS IN A GRASSLAND.

General: HOLOTYPE MALE, ALLOTYPE FEMALE, AND THREE MALE AND TWO FEMALE PARATYPES.

Owner/Manager: UNKNOWN



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Anodonta californiensis

Element Code: IMBIV04220

California floater

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G3

State: None

State: S2?

Other: USFS_S-Sensitive

Habitat: **General:** FRESHWATER LAKES AND SLOW-MOVING STREAMS AND RIVERS. TAXONOMY UNDER REVIEW BY SPECIALISTS.

Micro: GENERALLY IN SHALLOW WATER.

Occurrence No.	1	Map Index:	47242	EO Index:	47242	Element Last Seen:	1999-01-20
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			1999-01-20
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2002-02-19

Quad Summary: Keystone (3712075), New Melones Dam (3712085)

County Summary: Calaveras, Tuolumne

Lat/Long:	37.89725 / -120.57003	Accuracy:	non-specific area
UTM:	Zone-10 N4197199 E713658	Elevation (ft):	505
PLSS:	T01N, R13E, Sec. 32 (M)	Acres:	992.1

Location: TULLOCK LAKE.

Detailed Location: FOUND AROUND THE MARGINS OF THE LAKE DURING DRAWDOWN. FOUND ON THE ROCK AND SAND/SILT BOTTOM.

Ecological: LAKE USED FOR RECREATION AND AGRICULTURAL AND DOMESTIC WATER SUPPLY.

General: EACH WINTER THE LAKE IS DRAWN DOWN FROM 509 FT TO 500 FT EXPOSING THE MUSSELS. THREE SPECIMENS TO BE DEPOSITED IN CAS.

Owner/Manager: PVT



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Monadenia mormonum buttoni

Element Code: IMGASC7071

Button's Sierra sideband

Listing Status: **Federal:** None

CNDDB Element Ranks: **Global:** G2T1T2

State: None

State: S1S2

Other: IUCN_DD-Data Deficient

Habitat: **General:** KNOWN FROM THE CENTRAL SIERRA NEVADA COUNTIES.

Micro: ☐

Occurrence No.	1	Map Index:	13132	EO Index:	23077	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		XXXX-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2005-11-29	

Quad Summary: Angels Camp (3812015), Salt Spring Valley (3812016)

County Summary: Calaveras

Lat/Long:	38.03686 / -120.62326	Accuracy:	1 mile
UTM:	Zone-10 N4212571 E708581	Elevation (ft):	1520
PLSS:	T02N, R12E, Sec. 11, SW (M)	Acres:	0.0

Location: NASSAU VALLEY.

Detailed Location: RARE AND WITH A LIMITED DISTRIBUTION.

Ecological:

General: TYPE #73630, ANSP.

Owner/Manager: UNKNOWN

Occurrence No.	4	Map Index:	64072	EO Index:	64167	Element Last Seen:	2001-04-09
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2001-04-09	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2006-02-27	

Quad Summary: Knights Ferry (3712076)

County Summary: Calaveras, Tuolumne

Lat/Long:	37.84068 / -120.64195	Accuracy:	1/10 mile
UTM:	Zone-10 N4190759 E707492	Elevation (ft):	254
PLSS:	T01S, R12E, Sec. 22, NW (M)	Acres:	0.0

Location: TWO MILE BAR ON THE SOUTH SIDE OF THE STANISLAUS RIVER. ABOUT 2 MILES NORTHEAST OF KNIGHTS FERRY.

Detailed Location:

Ecological: HABITAT IS A RIPARIAN AREA.

General: 1 ADULT & 2 OTHERS (LIFE STAGE GIVEN AS "MULTI") OBSERVED/COLLECTED ON 9 APR 2001 BY B. ROTH.

Owner/Manager: UNKNOWN



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Monadenia mormonum hirsuta

Element Code: IMGASC7072

hirsute Sierra sideband

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G2T1

State: None

State: S1

Other: BLM_S-Sensitive, IUCN_DD-Data Deficient

Habitat: **General:** KNOWN ONLY FROM A FEW BASALTIC OUTCROPS IN TUOLUMNE COUNTY.

Micro: ☐

Occurrence No.	1	Map Index:	13332	EO Index:	23072	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		XXXX-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2005-11-29	

Quad Summary: Sonora (3712084), New Melones Dam (3712085)

County Summary: Tuolumne

Lat/Long:	37.89353 / -120.48606	Accuracy:	1 mile
UTM:	Zone-10 N4196982 E721053	Elevation (ft):	1400
PLSS:	T01N, R14E, Sec. 31, SW (M)	Acres:	0.0

Location: MOUNTAIN PASS, NEAR STATE HWY 108 APPROX 5 MI SW OF JAMES TOWN.

Detailed Location:

Ecological: ASSOCIATED WITH THE BASALT OF TABLE MOUNTAIN; SHELLS FOUND AMONG LOOSE ROCKS AT THE BASE OF BLACK LAVA CLIFF.

General: CAS TYPE #2639; PARATYPES #2640-41; ANSP #142003; TYPE LOT (CAS #21513) COLLECTED BY HANNA AND BIXFORD.

Owner/Manager: UNKNOWN

Occurrence No.	3	Map Index:	59804	EO Index:	59840	Element Last Seen:	2001-02-07
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2001-02-07	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2006-07-07	

Quad Summary: Chinese Camp (3712074), Keystone (3712075), Sonora (3712084), New Melones Dam (3712085)

County Summary: Tuolumne

Lat/Long:	37.87726 / -120.50258	Accuracy:	non-specific area
UTM:	Zone-10 N4195137 E719648	Elevation (ft):	1300
PLSS:	T01S, R13E, Sec. 02, SE (M)	Acres:	70.6

Location: TABLE MOUNTAIN, ABOVE ANDREW CREEK, ON THE EAST SIDE OF HIGHWAY 120/108, SE OF NEW MELONES RESERVOIR.

Detailed Location: LOCATED IN RUBBLE BY CLIFF ABOVE ANDREW CREEK; IN YOSEMITE ESTATES SUBDIVISION.

Ecological: HABITAT CONSISTS OF ROCK RUBBLE AT THE BASE OF TABLE MOUNTAIN.

General: SEVERAL ADULTS OBSERVED ON 7 FEB 2001. THREE ADULTS AND FIVE EMPTY SHELLS FROM JUVENILE TO SUBADULT, IN POOR TO FAIR CONDITION, COLLECTED BY BRIAN QUELVOG, ID BY BARRY ROTH; DATE NOT GIVEN.

Owner/Manager: PVT



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Scopelophila cataractae

Element Code: NBMUS6U010

tongue-leaf copper moss

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G3G4

State: None

State: S1

Other: Rare Plant Rank - 2B.2

Habitat: **General:** CISMONTANE WOODLAND.

Micro: MOSS ON METAMORPHIC SUBSTRATE; ON SOIL. 400 M.

Occurrence No.	1	Map Index:	45681	EO Index:	45681	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		XXXX-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-06-08	

Quad Summary: Copperopolis (3712086)

County Summary: Calaveras

Lat/Long:	37.97310 / -120.63436	Accuracy:	1/5 mile
UTM:	Zone-10 N4205470 E707787	Elevation (ft):	1000
PLSS:	T01N, R12E, Sec. 03 (M)	Acres:	0.0

Location: OLD DISCOVERY MINE AT COPPEROPOLIS.

Detailed Location: MAPPED BY CNDDDB AT DISCOVERY MINE, JUST SOUTH OF COPPEROPOLIS.

Ecological: OLD COPPER DIGS.

General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS AN UNDATED STEEN COLLECTION. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Eryngium pinnatisectum

Element Code: PDAPI0Z0P0

Tuolumne button-celery

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G2

State: None

State: S2

Other: Rare Plant Rank - 1B.2, SB_UCSC-UC Santa Cruz

Habitat: **General:** VERNAL POOLS, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST.

Micro: VOLCANIC SOILS; VERNAL POOLS AND MESIC SITES WITHIN OTHER NATURAL COMMUNITIES. 65-915 M.

Occurrence No.	6	Map Index:	57532	EO Index:	57548	Element Last Seen:	1983-04-06
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1983-04-06	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2004-10-21	

Quad Summary: Sonora (3712084), New Melones Dam (3712085)

County Summary: Tuolumne

Lat/Long:	37.88039 / -120.50069	Accuracy:	specific area
UTM:	Zone-10 N4195489 E719805	Elevation (ft):	1250
PLSS:	T01S, R13E, Sec. 01, SW (M)	Acres:	2.5

Location: SOUTHWEST OF YOSEMITE JUNCTION; ABOUT 4 MI SOUTH OF NEW MELONES LAKE, TUOLUMNE COUNTY.

Detailed Location: ON TABLELAND ABOUT 1/4 MI EAST OF HIGHWAY 120/108. NW 1/4 OF SW 1/4 OF SECTION 1, AND EXTENDS INTO NE 1/4 OF SE 1/4 OF SECTION 2.

Ecological: VERNAL POOL. FOUND WITH RANUNCULUS MURICATUS AND DELPHINIUM SPP.

General: ALSO ATTRIBUTED TO THIS SITE IS ANOTHER 1983 ROGERS SOURCE THAT GIVES T-R-S OF 1S 13E SEC 1. OWNER IS RED HILLS DEVELOPMENT. THIS 1983 SOURCE ALSO INCLUDES EO 2.

Owner/Manager: PVT



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Occurrence No.	9	Map Index:	57543	EO Index:	57559	Element Last Seen:	1983-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1983-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2004-10-21		
Quad Summary:	Sonora (3712084), New Melones Dam (3712085)						
County Summary:	Tuolumne						
Lat/Long:	37.89557 / -120.49578			Accuracy:	non-specific area		
UTM:	Zone-10 N4197185 E720191			Elevation (ft):	1250		
PLSS:	T01N, R13E, Sec. 36 (M)			Acres:	650.0		
Location:	YOSEMITE JUNCTION AREA; ABOUT 3 MI SOUTH OF NEW MELONES LAKE.						
Detailed Location:	SOURCE ONLY GIVES SEC 36 OF T 1N, R 13E.						
Ecological:	SERPENTINE VERNAL POOL.						
General:	NEEDS FIELDWORK.						
Owner/Manager:	PVT?						

Occurrence No.	10	Map Index:	57551	EO Index:	57567	Element Last Seen:	2006-XX-XX
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:	2006-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2010-07-06		
Quad Summary:	Copperopolis (3712086)						
County Summary:	Calaveras						
Lat/Long:	37.96931 / -120.65449			Accuracy:	specific area		
UTM:	Zone-10 N4205006 E706028			Elevation (ft):	980		
PLSS:	T01N, R12E, Sec. 04, NE (M)			Acres:	3.0		
Location:	ABOUT 1 AIR MILE SOUTHWEST OF COPPEROPOLIS IN VICINITY OF SAWMILL CREEK.						
Detailed Location:	1.1 MILES SOUTHWEST FROM JUNCTION OF HIGHWAY 4 AND ROCK CREEK ROAD ON HIGHWAY 4. FOUR COLONIES MAPPED BY CNDDB AS THREE POLYGONS ACCORDING TO A 2007 MAP FROM NORTH FORK ASSOCIATES.						
Ecological:	GRASSY SLOPE, SOUTH-FACING, WITH SMALL VERNAL DRAINAGE STREAMBED. FOUND WITH RHAMNUS, JUNCUS, RUMEX, LOTUS, BOISDUVALIA, AND CENTAURIUM.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 1987 AND 2006. 1921 COLLECTIONS BY GREGORY AND TRACY FROM COPPEROPOLIS ATTRIBUTED HERE, 1958 COLLECTIONS BY CONSTANCE AND BACIGALUPI FROM "1.1 MI SW COPPEROPOLIS" ALSO ATTRIBUTED HERE.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	13	Map Index:	57561	EO Index:	57577	Element Last Seen:	1987-05-30
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:	1987-05-30		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2004-10-21		
Quad Summary:	Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.02007 / -120.74519			Accuracy:	non-specific area		
UTM:	Zone-10 N4210442 E697924			Elevation (ft):	1080		
PLSS:	T02N, R11E, Sec. 15, SE (M)			Acres:	42.8		
Location:	JUST SE OF SALT SPRINGS VALLEY RESERVOIR; CALAVERAS COUNTY.						
Detailed Location:	ABOUT 1.2 MI FROM INTERSECTION OF ROCK CREEK ROAD AND ENTRANCE TO RESERVOIR. SE 1/4 OF SE 1/4 OF SEC 15.						
Ecological:	VERNAL POOL; OPEN, GRASSY, SLIGHTLY SLOPING. FOUND WITH OTHER ERYNGIUM SPP.						
General:	FEW PLANTS EXIST OUTSIDE THE VERNAL POOLS AT THIS SITE. OTHER COLLECTIONS ATTRIBUTED TO THIS SITE DESCRIBE GENERALLY "SALT SPRINGS VALLEY RESERVOIR" AND "SOUTH OF..."						
Owner/Manager:	UNKNOWN						

Occurrence No.	14	Map Index:	57562	EO Index:	57578	Element Last Seen:	2001-06-08
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	2001-06-08		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2010-07-01		
Quad Summary:	Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.00560 / -120.66539			Accuracy:	80 meters		
UTM:	Zone-10 N4209009 E704970			Elevation (ft):	1100		
PLSS:	T02N, R12E, Sec. 21, SW (M)			Acres:	0.0		
Location:	2 MI NORTH OF COPPEROPOLIS ALONG ROCK CREEK ROAD; SOUTHERN SALT SPRING VALLEY.						
Detailed Location:	MAPPED ACCORDING TO UTM COORDINATES AND MAP PROVIDED IN SW1/4 OF SW1/4 SEC 21.						
Ecological:	SWALES AND VERNAL POOL MARGINS. FOUND WITH LOLIUM MULTIFLORUM AND POLYPOGON MONSPELIENSIS.						
General:	100'S OF PLANTS OBSERVED IN 2001.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	18	Map Index:	57589	EO Index:	57605	Element Last Seen:	1984-06-18
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1984-06-18
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2004-10-25
Quad Summary:	Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.00741 / -120.69467			Accuracy:	non-specific area		
UTM:	Zone-10 N4209145 E702394			Elevation (ft):	1200		
PLSS:	T02N, R12E, Sec. 19, SE (M)			Acres:	40.6		
Location:	UPPER LITTLEJOHNS CREEK DRAINAGE; SOUTH END OF SALT SPRING VALLEY, ABOUT 2.7AIR MI NW OF COPPEROPOLIS.						
Detailed Location:	AMONG THE MARGINS OF AN EPHEMERAL STREAM. "2.7 AIR MILES SW OF COPPEROPOLIS" GIVEN IN 1984 COLLECTION; INTERPRETED BY CNDDB AS NW. MAPPED BY CNDDB ACCORDING TO GIVEN T-R-S: NW 1/4 OF SE 1/4 OF SEC 19.						
Ecological:	VERNALLY WET CLAY SOIL. ASSOCIATED WITH ERYNGIUM CASTRENSE, ISOETES HOWELLII, ALLOCARYA BRACTEATA, DOWNINGIA CUSPIDATA, CENTAURIUM FLORIBUNDUM, CICENDIA QUADRANGULARIS, LYTHRUM HYSSOPIFOLIA, SIDA LCEA HIRSUTA, NAVARRETIA INTERTEXTA, ETC.						
General:	PLANTS LOCALLY COMMON IN 1984. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	22	Map Index:	79266	EO Index:	80241	Element Last Seen:	1992-05-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1992-05-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-04-30
Quad Summary:	Copperopolis (3712086)						
County Summary:	Calaveras						
Lat/Long:	37.96357 / -120.66657			Accuracy:	specific area		
UTM:	Zone-10 N4204342 E704983			Elevation (ft):	900		
PLSS:	T01N, R12E, Sec. 04, SW (M)			Acres:	10.0		
Location:	ALONG AN UNNAMED TRIBUTARY BETWEEN HIGHWAY 4 AND HORSESHOE LANE, ABOUT 1.5-2 AIR MILES SOUTHWEST OF COPPEROPOLIS.						
Detailed Location:	MAPPED BY CNDDB ACCORDING TO WRITTEN DESCRIPTION: 0.47 AND 0.77 MILES SOUTHWEST OF THE NORTHERN APEX OF FLOWERS RANCH PROPERTY. THE SOUTHWESTERN COLONY IS AT THE NORTHWEST EDGE OF A POND FORMED BY IMPOUNDING THE TRIBUTARY.						
Ecological:							
General:	ABOUT 5 PLANTS OBSERVED AT EACH COLONY IN 1992. A 1937 HOOVER COLLECTION FROM "TWO MILES WEST OF COPPEROPOLIS" IS ALSO ATTRIBUTED TO THIS SITE.						
Owner/Manager:	PVT						



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Occurrence No.	23	Map Index:	79268	EO Index:	80243	Element Last Seen:	2006-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2006-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-07-02
Quad Summary:	Copperopolis (3712086)						
County Summary:	Calaveras						
Lat/Long:	37.96043 / -120.64742				Accuracy:	specific area	
UTM:	Zone-10 N4204035 E706675				Elevation (ft):	800	
PLSS:	T01N, R12E, Sec. 03, SW (M)				Acres:	1.0	
Location:	SAWMILL CREEK, ABOUT 0.3 AIR MILE SOUTH OF THE LAKE AND 1.75 AIR MILES SOUTHWEST OF ABBOTTS PEAK.						
Detailed Location:	MAPPED IN THE SW 1/4 OF THE SW 1/4 OF SECTION 3.						
Ecological:							
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2006. NEEDS POPULATION INFO.						
Owner/Manager:	PVT						

Occurrence No.	24	Map Index:	79269	EO Index:	80244	Element Last Seen:	1992-05-22
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1992-05-22
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-07-02
Quad Summary:	Copperopolis (3712086)						
County Summary:	Calaveras						
Lat/Long:	37.95302 / -120.64136				Accuracy:	specific area	
UTM:	Zone-10 N4203227 E707228				Elevation (ft):	800	
PLSS:	T01N, R12E, Sec. 10, E (M)				Acres:	12.0	
Location:	SAWMILL CREEK, ABOUT 1 AIR MILE SSE OF THE LAKE AND 1.9 AIR MILES SSW OF ABBOTTS PEAK.						
Detailed Location:	4 COLONIES MAPPED BY CNDDB AS 2 POLYGONS ACCORDING TO DESCRIPTION: ALONG SAWMILL CREEK 0.52, 0.53, 0.56, AND 0.67 MILES SSE OF THE POINT WHICH IT ENTERS FLOWERS RANCH. N COLONIES FOUND ON THE W SIDE OF THE CREEK, S COLONY ON THE E SIDE.						
Ecological:							
General:	1992: THE 0.53 MILE LOCALITY (CENTER OF THE NORTHERN POLYGON) HAD 4 PLANTS; REMAINING COLONIES HAD 1 PLANT EACH.						
Owner/Manager:	PVT						



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Occurrence No.	25	Map Index:	79270	EO Index:	80245	Element Last Seen:	2007-05-31
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2007-05-31
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-05-01
Quad Summary:	Copperopolis (3712086)						
County Summary:	Calaveras						
Lat/Long:	37.94361 / -120.63526				Accuracy:	80 meters	
UTM:	Zone-10 N4202196 E707790				Elevation (ft):	690	
PLSS:	T01N, R12E, Sec. 15, NE (M)				Acres:	0.0	
Location:	2.6 AIR MILES SOUTH OF COPPEROPOLIS, ON EAST BANK OF SAWMILL CREEK.						
Detailed Location:	MAPPED IN THE NE 1/4 OF THE NE 1/4 OF SECTION 15.						
Ecological:	BLUE OAK/FOOTHILL PINE WOODLAND. IN SALINE SEEP. ASSOCIATED WITH HORDEUM MARINUM SSP. GUSSONEANUM, LYTHRUM HYSSOPIFOLIUM, RUMEX TRIANGULARIS, RANUNCULUS MURICATUS, TRIFOLIUM VARIEGATUM, AND ELEOCHARIS ACICULARIS.						
General:	30 PLANTS OBSERVED IN 2007.						
Owner/Manager:	PVT						

Occurrence No.	28	Map Index:	B5366	EO Index:	118328	Element Last Seen:	2013-04-16
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2013-04-16
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-04-30
Quad Summary:	Angels Camp (3812015)						
County Summary:	Calaveras						
Lat/Long:	38.06753 / -120.61442				Accuracy:	specific area	
UTM:	Zone-10 N4215995 E709270				Elevation (ft):	1215	
PLSS:	T03N, R12E, Sec. 35, SE (M)				Acres:	2.0	
Location:	APPROXIMATELY 70 FEET SOUTH OF STATE ROUTE 4 AND 1 MILE NE OF STALLION WAY, NNE OF ELKHORN STATION.						
Detailed Location:	MAPPED ACCORDING TO A 2013 SCUDIERS MAP, IN THE NE 1/4 OF THE SE 1/4 OF SECTION 35.						
Ecological:	IMMEDIATELY ADJACENT TO AND WITHIN WATERMAN CREEK. OCCURS IN OPEN PASTURE LAND HABITAT ASSOCIATED WITH HYDROPHYTIC VEGETATION.						
General:	106 PLANTS OBSERVED IN 2013.						
Owner/Manager:	PVT						

Occurrence No.	29	Map Index:	B5367	EO Index:	118329	Element Last Seen:	2013-05-14
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2013-05-14
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-04-30
Quad Summary:	Angels Camp (3812015)						
County Summary:	Calaveras						
Lat/Long:	38.05842 / -120.61875				Accuracy:	specific area	
UTM:	Zone-10 N4214974 E708916				Elevation (ft):	1440	
PLSS:	T02N, R12E, Sec. 2, NE (M)				Acres:	5.0	
Location:	APPROXIMATELY 150 FEET EAST OF STATE ROUTE 4 AND 0.38 MIILE NE OF STALLION WAY, NNE OF ELKHORN STATION.						
Detailed Location:	MAPPED ACCORDING TO A 2013 SCUDIERS MAP, IN THE NW 1/4 OF THE NE 1/4 OF SECTION 2.						
Ecological:	IMMEDIATELY ADJACENT TO AND WITHIN A WETLAND FEATURE AND A TRIBUTARY TO WATERMAN CREEK. OCCURS IN OPEN PASTURE LAND HABITAT ASSOCIATED WITH HYDROPHYTIC VEGETATION.						
General:	958 PLANTS OBSERVED IN 2013.						
Owner/Manager:	PVT						



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<i>Eryngium racemosum</i>				Element Code: PDAPI0Z0S0	
Delta button-celery					
Listing Status:	Federal:	None	CNDDB Element Ranks:		Global: G1
	State:	Endangered			State: S1
	Other:	Rare Plant Rank - 1B.1			
Habitat:	General:	RIPARIAN SCRUB.			
	Micro:	SEASONALLY INUNDATED FLOODPLAIN ON CLAY. 1-335 M.			
Occurrence No.	34	Map Index: 51504	EO Index: 51504	Element Last Seen:	1971-09-22
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1971-09-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-09-15
Quad Summary:	Salt Spring Valley (3812016), Jenny Lind (3812017)				
County Summary:	Calaveras				
Lat/Long:	38.02634 / -120.76050		Accuracy:	non-specific area	
UTM:	Zone-10 N4211104 E696564		Elevation (ft):	1100	
PLSS:	T02N, R11E, Sec. 16 (M)		Acres:	814.9	
Location:	MARGIN OF SALT SPRING VALLEY RESERVOIR.				
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED IN VICINITY OF RESERVOIR MARGIN.				
Ecological:	SEASONALLY INUNDATED MARGIN OF RESERVOIR, SANDY GRAVEL FLAT.				
General:	ORIGINAL SOURCE OF INFORMATION IS 1971 COLLECTION BY SHEIKH & CONSTANCE. ID UNCERTAIN; PRESTON BELIEVES THIS MAY BE E. VASEYI VAR. VALLICOLA.				
Owner/Manager:	UNKNOWN				



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Eryngium spinosepalum

Element Code: PDAPI0Z0Y0

spiny-sepaled button-celery

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G2

State: None

State: S2

Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden

Habitat: **General:** VERNAL POOLS, VALLEY AND FOOTHILL GRASSLAND.

Micro: SOME SITES ON CLAY SOIL OF GRANITIC ORIGIN; VERNAL POOLS, WITHIN GRASSLAND. 15-1270 M.

Occurrence No. 24 **Map Index:** 40385 **EO Index:** 35392 **Element Last Seen:** 1994-XX-XX

Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1994-XX-XX

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 1998-12-14

Quad Summary: New Melones Dam (3712085)

County Summary: Calaveras, Tuolumne

Lat/Long: 37.89636 / -120.55026 **Accuracy:** 1 mile

UTM: Zone-10 N4197145 E715399 **Elevation (ft):** 900

PLSS: T01N, R13E, Sec. 33 (M) **Acres:** 0.0

Location: VICINITY OF SHOTGUN CREEK, EAST OF TULLOCH RESERVOIR AND SOUTHWEST OF TABLE MOUNTAIN. SW OF NEW MELONES RESERVOIR.

Detailed Location: WITHIN SITE OF PROPOSED SHOTGUN CREEK ESTATES. EXACT LOCATION NOT KNOWN, BUT MAPPED IN AREA OF SHOTGUN CREEK, BETWEEN THE TULLOCH RESERVOIR AND TABLE MOUNTAIN.

Ecological: CLARKIA ROSTRATA IS IN THE GENERAL AREA.

General: MAP AND ECOLOGICAL INFORMATION NEEDED FOR THIS SITE.

Owner/Manager: PVT

Lomatium congdonii

Element Code: PDAPI1B0B0

Congdon's lomatium

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G2

State: None

State: S2

Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden

Habitat: **General:** CISMONTANE WOODLAND, CHAPARRAL.

Micro: SERPENTINE SOILS WITH SERPENTINE CHAPARRAL PLANTS AND GREY PINES. 335-625 M.

Occurrence No. 15 **Map Index:** 13310 **EO Index:** 19951 **Element Last Seen:** 1975-XX-XX

Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1975-XX-XX

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 1989-08-11

Quad Summary: Chinese Camp (3712074), Keystone (3712075), Sonora (3712084), New Melones Dam (3712085)

County Summary: Tuolumne

Lat/Long: 37.87131 / -120.50743 **Accuracy:** 1 mile

UTM: Zone-10 N4194465 E719239 **Elevation (ft):**

PLSS: T01S, R13E, Sec. 02, S (M) **Acres:** 0.0

Location: 2.5 MILES NORTH OF KEYSTONE.

Detailed Location:

Ecological:

General: SCATTERED IN THE AREA.

Owner/Manager: BLM-FOLSOM RA, PVT



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Occurrence No.	21	Map Index:	74934	EO Index:	75937	Element Last Seen:	1955-04-29
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1955-04-29
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2009-04-30
Quad Summary:	New Melones Dam (3712085)						
County Summary:	Tuolumne						
Lat/Long:	37.88820 / -120.54206				Accuracy:	4/5 mile	
UTM:	Zone-10 N4196259 E716144				Elevation (ft):	1100	
PLSS:	T01S, R13E, Sec. 04 (M)				Acres:	0.0	
Location:	2.5 MILES NW OF SONORA RD (HWY 120), BASE OF HILL BETWEEN O'BYRNES FERRY AND YOSEMITE JUNCTION.						
Detailed Location:	MAPPED BY CNDDDB AS BEST GUESS ~2.5 ROAD MILES W OF HWY 120 ALONG OBYRNES FERRY RD (COUNTY HWY E15).						
Ecological:	AMONG FOOTHILL PINES AND ARCTOSTAPHYLOS.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1955 BACIGALUPI ET AL. COLLECTION. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	22	Map Index:	58627	EO Index:	75938	Element Last Seen:	1998-06-06
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1998-06-06
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-06-15
Quad Summary:	Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.01848 / -120.63706				Accuracy:	80 meters	
UTM:	Zone-10 N4210500 E707421				Elevation (ft):	1600	
PLSS:	T02N, R12E, Sec. 15, SE (M)				Acres:	0.0	
Location:	HWY 4, 2.5 ROAD MILES NORTH OF COPPEROPOLIS.						
Detailed Location:	ON GENTLE SLOPE 0.3 MI EAST OF HIGHWAY, WATERSHED OF BLACK CREEK. MAPPED ACCORDING TO A 1998 TAYLOR MAP FOR CRYPTANTHA MARIPOSAE, LOMATIUM MENTIONED AS AN ASSOCIATED SPECIES.						
Ecological:	GENTLE SLOPE, SERPENTINE RED, CLAY RICH SUBSTRATUM SET IN CEANOTHUS CHAPARRAL.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 1998.						
Owner/Manager:	BLM						



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Calycadenia hooveri

Element Code: PDAST1P040

Hoover's calycadenia

Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.3, BLM_S-Sensitive		
Habitat:	General: CISMONTANE WOODLAND, VALLEY AND FOOTHILL GRASSLAND.		
	Micro: ON EXPOSED, ROCKY, BARREN SOIL. 60-260 M.		

Occurrence No.	2	Map Index: 13134	EO Index: 6015	Element Last Seen:	2016-06-17
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2016-06-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-07-20

Quad Summary: Keystone (3712075)

County Summary: Stanislaus

Lat/Long:	37.76626 / -120.61477	Accuracy:	specific area
UTM:	Zone-10 N4182560 E710095	Elevation (ft):	350
PLSS:	T02S, R12E, Sec. 14, NE (M)	Acres:	11.6

Location: 5.5 MILES SOUTHEAST OF KNIGHTS FERRY ON WILLMS ROAD.

Detailed Location: FOUND UNDER, AND TO THE NORTH OF, THE FIRST TRANSMISSION TOWER WEST OF THE ROAD. THE POPULATION EXTENDS 100-400 METERS NORTHEAST OF THE ROAD.

Ecological: ANNUAL GRASSLAND ON BARE ROCKY HILLTOP OF IONE FORMATION.

General: TYPE LOCALITY. ABUNDANT IN (EARLY?) 1980'S. LOCALLY COMMON IN 1987. 10,000+ PLANTS OBSERVED BY STONE IN 1988. A 2016 PARK PHOTO FROM "WILLMS RD" IS ATTRIBUTED HERE. LAND USE AS DRY PASTURE CONSISTENT WITH CONTINUED EXISTENCE OF THIS PLANT.

Owner/Manager: PVT-HETCH HETCHY WATER & POWER

Calycadenia spicata

Element Code: PDAST1P090

spicate calycadenia

Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G3?
	State: None		State: S3
	Other: Rare Plant Rank - 1B.3		
Habitat:	General: VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND.		
	Micro: DRY, ADOBE, CLAY, GRAVELLY, ROCKY, DISTURBED AREAS, OPENINGS, ROADSIDES. 40-1400 M.		



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Occurrence No.	9	Map Index:	C0104	EO Index:	128330	Element Last Seen:	1980-09-15
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1980-09-15		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2024-02-23		
Quad Summary:	Keystone (3712075), Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.76482 / -120.61505			Accuracy:	1 mile		
UTM:	Zone-10 N4182401 E710074			Elevation (ft):	325		
PLSS:	T02S, R12E, Sec. 14 (M)			Acres:	1987.0		
Location:	~5 MILES SOUTH OF KNIGHTS FERRY ON WILLMS ROAD (TO WARNERVILLE).						
Detailed Location:	JUST SOUTH OF CREEK CROSSING AFTER "DOUBLE" CREEK CROSSING. EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB TO ENCOMPASS DOUBLE CREEK CROSSINGS WITHIN 5 MILES OF KNIGHTS FERRY.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1980 COLLECTION BY CARR. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	10	Map Index:	C0107	EO Index:	128331	Element Last Seen:	1937-08-24
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1937-08-24		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2024-03-07		
Quad Summary:	Keystone (3712075)						
County Summary:	Tuolumne						
Lat/Long:	37.84514 / -120.54502			Accuracy:	1 mile		
UTM:	Zone-10 N4191474 E716010			Elevation (ft):	990		
PLSS:	T01S, R13E, Sec. 16 (M)			Acres:	1987.0		
Location:	30 KM E OF OAKDALE.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB 30 ROAD KM E OF OAKDALE ALONG HWY 108 ACCORDING TO A 1914 COLLECTION BY HALL. OTHER COLLECTIONS ON THIS DATE BY HALL CITE HIM NEAR KEYSTONE AND MODESTO.						
Ecological:							
General:	MAIN SOURCE OF INFORMATION IS A 1914 HALL COLLECTION. A 1936 COLLECITON BY HOOVER FROM "KEYSTONE" AND A1937 COLLECTION BY HOOVER FROM "KEYSTONE, 3.5 MILES N OF KNIGHTS FERRY ON HIGHWAY TO SONORA" ARE ATTRIBUTED HERE. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	11	Map Index:	30237	EO Index:	128335	Element Last Seen:	1934-09-16
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1934-09-16	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2024-02-26	
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.80038 / -120.72096			Accuracy:	1 mile		
UTM:	Zone-10 N4186113 E700647			Elevation (ft):	200		
PLSS:	T01S, R11E, Sec. 35 (M)			Acres:	0.0		
Location:	8 MILES EAST OF OAKDALE.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB ALONG HWY 108 APPROXIMATELY 8 ROAD MILES EAST OF OAKDALE.						
Ecological:							
General:	ONLY SOURCE OF INFORMATION IS A 1934 COLLECTION BY HOOVER. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	13	Map Index:	C0111	EO Index:	128337	Element Last Seen:	2021-09-26
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2021-09-26	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2024-04-19	
Quad Summary:	Jenny Lind (3812017)						
County Summary:	Calaveras						
Lat/Long:	38.02605 / -120.84454			Accuracy:	specific area		
UTM:	Zone-10 N4210898 E689188			Elevation (ft):	314		
PLSS:	T02N, R10E, Sec. 14, N (M)			Acres:	11.0		
Location:	ALONG ROCK CREEK RD 0.3-0.8 AIR MI SSE OF MILTON AND 1.5-1.6 AIR MILES SW OF TOWER RANCH.						
Detailed Location:	SEVERAL POLYGONS MAPPED BY CNDDDB ACCORDING TO 2021 COORDINATES FROM O'DELL.						
Ecological:	WITHIN HEAVILY GRAZED FIELDS AND ON ROAD CUTS AND OTHER DISTURBED SOIL AREAS AROUND MILTON. LAGUNA FORMATION? (CONSOLIDATED ALLUVIAL DEPOSITS) - VERY COBBLY GRAVELLY SANDY CLAY DEPOSITS. MOST EXPOSED AT THE LANDFILL AROUND COYOTE RIDGE RD.						
General:	1,616-16,000 SCATTERED PLANTS SEEN IN 2021.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	14	Map Index:	C0113	EO Index:	128339	Element Last Seen:	2021-09-26
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2021-09-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2024-04-19
Quad Summary:	Jenny Lind (3812017)						
County Summary:	Calaveras						
Lat/Long:	38.03916 / -120.84486				Accuracy:	specific area	
UTM:	Zone-10 N4212352 E689126				Elevation (ft):	500	
PLSS:	T02N, R10E, Sec. 11, W (M)				Acres:	19.0	
Location:	ALONG HUNT RD; 0.4-0.9 AIR MI NE OF MILTON, 0.5-1.0 AIR MI SW OF TOWER RANCH.						
Detailed Location:	MANY POLYGONS MAPPED BY CNDDDB ACCORDING TO 2021 COORDINATES FROM O'DELL.						
Ecological:	WITHIN HEAVILY GRAZED FIELDS AND ON ROAD CUTS AND OTHER DISTURBED SOIL AREAS AROUND MILTON. LAGUNA FORMATION? (CONSOLIDATED ALLUVIAL DEPOSITS) - VERY COBBLY GRAVELLY SANDY CLAY DEPOSITS. MOST EXPOSED AT THE LANDFILL AROUND COYOTE RIDGE ROAD						
General:	3,599-24,700 SCATTERED PLANTS SEEN IN 2021.						
Owner/Manager:	UNKNOWN						
Occurrence No.	15	Map Index:	C0114	EO Index:	128341	Element Last Seen:	2021-09-26
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2021-09-26
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2024-04-19
Quad Summary:	Jenny Lind (3812017)						
County Summary:	Calaveras						
Lat/Long:	38.03984 / -120.85619				Accuracy:	specific area	
UTM:	Zone-10 N4212404 E688130				Elevation (ft):	375	
PLSS:	T02N, R10E, Sec. 10, NE (M)				Acres:	3.0	
Location:	ALONG MILTON RD/COUNTY HWY J14, 0.5-0.6 AIR MI N OF MILTON AND 1.3 AIR MILES WSW OF TOWER RANCH.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO 2020 AND 2021 COORDINATES FROM O'DELL. UPHILL ROAD BANK.						
Ecological:	WITHIN HEAVILY GRAZED FIELDS AND ON ROAD CUTS AND OTHER DISTURBED SOIL AREAS AROUND MILTON. LAGUNA FORMATION? (CONSOLIDATED ALLUVIAL DEPOSITS) - VERY COBBLY GRAVELLY SANDY CLAY DEPOSITS. VERY COBBLY SAND LOAM SOIL. ROLLING HILLS.						
General:	761-4,700 PLANTS SEEN IN 2020. 303-3,000 SCATTERED PLANTS SEEN IN 2021. A 1971 COLLECTION BY CARR FROM "HWY J14, 0.7 MI N OF MILTON" IS ATTRIBUTED HERE.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	16	Map Index:	C0115	EO Index:	128342	Element Last Seen:	2020-09-07
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2020-09-07
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2024-04-19
Quad Summary:	Jenny Lind (3812017)						
County Summary:	Calaveras						
Lat/Long:	38.05956 / -120.87124				Accuracy:	specific area	
UTM:	Zone-10 N4214563 E686759				Elevation (ft):	325	
PLSS:	T02N, R10E, Sec. 4, NE (M)				Acres:	2.0	
Location:	ALONG MILTON ROAD/COUNTY HWY J14, ~0.1 MI S OF JUNCTION WITH SOUTH GULCH ROAD AND 2.2 AIR MILES NNW OF MILTON.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO 2020 COORDINATES FROM O'DELL. UPHILL ROAD BANK.						
Ecological:	VERY COBBLY SANDY LOAM SOIL. SANDSTONE TABLE.						
General:	964-5,900 PLANTS SEEN IN 2020.						
Owner/Manager:	UNKNOWN						



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Lagophylla dichotoma			Element Code: PDAST5J070		
forked hare-leaf					
Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G2
	State:	None		State:	S2
	Other:	Rare Plant Rank - 1B.1			
Habitat:	General:	CISMONTANE WOODLAND, VALLEY AND FOOTHILL GRASSLAND.			
	Micro:	SOMETIMES CLAY. 190-335 M.			

Occurrence No.	15	Map Index:	32807	EO Index:	86787	Element Last Seen:	1938-05-09
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	1938-05-09
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-04-18
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.81844 / -120.67240				Accuracy:	1 mile	
UTM:	Zone-10 N4188223 E704873				Elevation (ft):		
PLSS:	T01S, R12E, Sec. 29 (M)				Acres:	0.0	
Location:	KNIGHTS FERRY, ABOUT 10 MILES EAST OF OAKDALE.						
Detailed Location:	MAPPED BY CNDDB AROUND KNIGHTS FERRY ACCORDING TO TWO HOOVER COLLECTIONS.						
Ecological:							
General:	OCCURRENCE KNOWN ONLY FROM 1937 AND 1938 HOOVER COLLECTIONS. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	16	Map Index:	85764	EO Index:	86794	Element Last Seen:	2000-XX-XX
Occ. Rank:	Unknown			Presence:	Presumed Extant	Site Last Seen:	2000-XX-XX
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2012-04-18
Quad Summary:	New Melones Dam (3712085), Copperopolis (3712086)						
County Summary:	Calaveras						
Lat/Long:	37.92885 / -120.62800				Accuracy:	1 mile	
UTM:	Zone-10 N4200574 E708470				Elevation (ft):		
PLSS:	T01N, R12E, Sec. 23 (M)				Acres:	0.0	
Location:	BLACK CREEK RANCH, SOUTH OF COPPEROPOLIS, SIERRA NEVADA FOOTHILLS.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS BEST GUESS AROUND BLACK CREEK RANCH ACCORDING TO A 2000 HRUSA OBSERVATION.						
Ecological:	MOIST ROCKS, CATCHMENTS, SAWMILL CREEK.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2000 HRUSA OBSERVATION.						
Owner/Manager:	UNKNOWN						



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Pseudobahia bahiifolia

Element Code: PDAST7P010

Hartweg's golden sunburst

Listing Status: **Federal:** Endangered

CNDDDB Element Ranks: **Global:** G1

State: Endangered

State: S1

Other: Rare Plant Rank - 1B.1, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden

Habitat: **General:** VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND.

Micro: CLAY SOILS, OFTEN ACIDIC. PREDOMINANTLY ON THE NORTHERN SLOPES OF KNOLLS, BUT ALSO ALONG SHADY CREEKS OR NEAR VERNAL POOLS. 60-170 M.

Occurrence No.	11	Map Index:	30237	EO Index:	16910	Element Last Seen:	1939-04-01
Occ. Rank:	None	Presence:	Possibly Extirpated	Site Last Seen:			2010-04-09
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2011-04-15

Quad Summary: Knights Ferry (3712076)

County Summary: Stanislaus

Lat/Long:	37.80038 / -120.72096	Accuracy:	1 mile
UTM:	Zone-10 N4186113 E700647	Elevation (ft):	200
PLSS:	T01S, R11E, Sec. 35 (M)	Acres:	0.0

Location: HAYSTACK HILL, 8 MILES EAST OF OAKDALE.

Detailed Location: MAPPED ABOUT 8 MILES EAST OF OAKDALE ALONG HWY 120/108. THE LIKELY SITE FOR HOOVER'S COLLECTIONS IS NOW AN OLD SOIL QUARRY ON THE SOUTH SIDE OF THE ROAD, 7.6 MILES EAST OF OAKDALE ACCORDING TO J. STEBBINS.

Ecological:

General: THE ACCESSIBLE LANDS ON BOTH SIDES OF THE HWY, 4-12 MI E OF OAKDALE WERE SURVEYED IN 1990; NO PLANTS FOUND. SOME NATIVE GRASSLAND STILL EXISTS TO THE SE OF OAKDALE, BUT SOIL CONDITIONS DIDN'T SEEM FAVORABLE IN 1990. NONE OBSERVED IN 2010.

Owner/Manager: PVT

Occurrence No.	34	Map Index:	46009	EO Index:	63657	Element Last Seen:	1937-04-01
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			2010-04-09
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2011-04-14

Quad Summary: Knights Ferry (3712076)

County Summary: Stanislaus, Tuolumne

Lat/Long:	37.81954 / -120.64529	Accuracy:	3/5 mile
UTM:	Zone-10 N4188405 E707257	Elevation (ft):	
PLSS:	T01S, R12E, Sec. 27 (M)	Acres:	0.0

Location: 1 MILE EAST OF KNIGHTS FERRY.

Detailed Location: LOCATION DESCRIPTION VAGUE; MAPPED AS BEST GUESS 1 AIR MILE EAST OF KNIGHTS FERRY, IN VICINITY OF HIGHWAY 108/120.

Ecological: AROUND MARGINS OF VOLCANIC BOULDERS.

General: OCCURRENCE KNOWN ONLY FROM A 1937 COLLECTION BY BELSHAW. NOT OBSERVED HERE IN 2010 AND HABITAT CONDITIONS DID NOT APPEAR SUITABLE FOR SPECIES (SUBSTATE IS DARK VOLCANIC MATERIAL, NOT AMADOR LOAM).

Owner/Manager: PVT



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Senecio clevelandii* var. *heterophyllus

Element Code: PDAST8H0R2

Red Hills ragwort

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G4?T2Q
State: None **State:** S2
Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden
Habitat: **General:** CISMONTANE WOODLAND.
Micro: DRYING SERPENTINE SOILS; OFTEN ALONG STREAMS. 260-385 M.

Occurrence No. 12 **Map Index:** B1754 **EO Index:** 113670 **Element Last Seen:** 2015-07-09
Occ. Rank: Good **Presence:** Presumed Extant **Site Last Seen:** 2015-07-09
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2018-12-24

Quad Summary: Keystone (3712075)

County Summary: Tuolumne

Lat/Long: 37.87082 / -120.50323 **Accuracy:** specific area
UTM: Zone-10 N4194421 E719611 **Elevation (ft):** 1060
PLSS: T01S, R13E, Sec. 2, SE (M) **Acres:** 1.0

Location: ANDREW CREEK, ABOUT 1.6 AIR MILES SOUTHWEST OF YOSEMITE JUNCTION, NORTHWEST END OF RED HILLS.

Detailed Location: FROM BLM GATE (APPROX 1.55 MI WEST OF YOSEMITE JUNCTION) ON HWY 120, TRAVEL 0.21 AND 0.45 MILE TO THE SOUTHEAST. 2 POLYGONS MAPPED ACCORDING TO 2015 NIELSEN COORDINATES.

Ecological: SERPENTINE HABITAT. SPRING INCLUSION WITH STANDING WATER IN DRY, INTERMITTENT CREEK AND TRIBUTARY. FLOWS TO WEST. <5 DEGREES. ASSOC W/ PINUS SABINIANA, CEANOTHUS CUNEATUS, SALIX SP., QUERCUS DOUGLASII, CALYCANTHUS OCCIDENTALIS, ETC.

General: <10 PLANTS SEEN IN NORTHERN POLYGON AND <20 PLANTS SEEN IN SOUTHERN POLYGON IN 2015.

Owner/Manager: BLM

Cryptantha mariposae

Element Code: PDBOR0A1Q0

Mariposa cryptantha

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G2G3
State: None **State:** S2S3
Other: Rare Plant Rank - 1B.3, BLM_S-Sensitive
Habitat: **General:** CHAPARRAL.
Micro: ON SERPENTINE OUTCROPS. 90-825 M.



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Occurrence No.	6	Map Index:	58627	EO Index:	58663	Element Last Seen:	1998-06-06
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		1998-06-06	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-06-07	
Quad Summary:	Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.01848 / -120.63706			Accuracy:	80 meters		
UTM:	Zone-10 N4210500 E707421			Elevation (ft):	1600		
PLSS:	T02N, R12E, Sec. 15, SE (M)			Acres:	0.0		
Location:	2.5 ROAD MILES NORTH OF COPPEROPOLIS ALONG HIGHWAY 4; WATERSHED OF BLACK CREEK.						
Detailed Location:	ON A GENTLE SLOPE 0.3 AIR MILES EAST OF HIGHWAY. MAPPED IN THE SW 1/4 OF THE SE 1/4 OF SECTION 15.						
Ecological:	SERPENTINE SOIL. RED, CLAY RICH, SUBSTRATUM SET IN CEANOTHUS CUNEATUS CHAPARRAL, WITH ABUNDANT LASTHENIA CALIFORNICA, MINUARTIA CALIFORNICA, MIMULUS GUTTATUS EARLY IN SEASON. RARE ASSOCIATES: CHLOROGALUM GRANDIFLORUM & LOMATIUM CONGDONII.						
General:	1000 PLANTS OBSERVED IN 1998.						
Owner/Manager:	BLM						

Occurrence No.	7	Map Index:	58633	EO Index:	58669	Element Last Seen:	198X-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1998-05-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-06-07	
Quad Summary:	Chinese Camp (3712074), Keystone (3712075)						
County Summary:	Tuolumne						
Lat/Long:	37.84065 / -120.44737			Accuracy:	non-specific area		
UTM:	Zone-10 N4191206 E724616			Elevation (ft):	1100		
PLSS:	T01S, R14E, Sec. 16 (M)			Acres:	10689.7		
Location:	RED HILLS.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS THE AREA OF RED HILLS. NEARLY UNMAPPABLE; MAPPED AS BEST GUESS TO INCLUDE ENTIRE SET OF HILLS.						
Ecological:							
General:	MAIN SOURCE OF INFORMATION FOR THIS SITE IS AN UNDATED COLLECTION BY CLIFTON. TAYLOR RECORDED IT AS PRESENT DURING 1980 INVENTORY WORK, BUT WAS UNABLE TO RELOCATE IN 1998; CONCLUDES THAT POPULATIONS, IF PRESENT, ARE SMALL. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	10	Map Index:	79017	EO Index:	79975	Element Last Seen:	1895-05-21
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1895-05-21	Record Last Updated:	2010-06-07
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.05437 / -120.66236			Accuracy:	3/5 mile		
UTM:	Zone-10 N4214427 E705099			Elevation (ft):			
PLSS:	T02N, R12E, Sec. 04 (M)			Acres:	0.0		
Location:	CARMEN PEAK.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB IN VICINITY OF CARMEN PEAK. TAYLOR INDICATES THAT AN OCCURRENCE ON BLM PARCEL FRA-222 MAY BE THE SAME OCCURRENCE; UNABLE TO LOCATE PARCEL.						
Ecological:							
General:	MAIN SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1895 DAVY COLLECTION FROM HARMON PEAK, NOW CALLED CARMEN PEAK. AN UNDATED TAYLOR OBSERVATION REPORTS THAT THIS IS A SMALL POPULATION.						
Owner/Manager:	UNKNOWN						



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Cryptantha spithamaea

Element Code: PDBOR0A2M2

Red Hills cryptantha

Listing Status: **Federal:** None

CNDDB Element Ranks: **Global:** G2

State: None

State: S2

Other: Rare Plant Rank - 1B.3, BLM_S-Sensitive, SB_UCSC-UC Santa Cruz

Habitat: **General:** CHAPARRAL, CISMONTANE WOODLAND.

Micro: SERPENTINITE, SOMETIMES STREAMBEDS, SOMETIMES OPENINGS. 270-550 M.

Occurrence No. 5 **Map Index:** 95439 **EO Index:** 96559 **Element Last Seen:** 1996-04-15

Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1996-04-15

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2015-03-11

Quad Summary: Sonora (3712084), New Melones Dam (3712085)

County Summary: Tuolumne

Lat/Long: 37.92137 / -120.50400 **Accuracy:** 1/5 mile

UTM: Zone-10 N4200029 E719392 **Elevation (ft):** 900

PLSS: T01N, R13E, Sec. 24, SW (M) **Acres:** 0.0

Location: PEORIA BASIN; SLOPES AT SE EDGE OF BASIN ABOUT 1 MILE EAST OF PEORIA PASS RD.

Detailed Location: MAPPED AROUND COORDINATES GIVEN BY TAYLOR IN A 2014 EMAIL INTERPRETING THE LOCATION OF HIS 1996 COLLECTION; ACCURACY OF COORDINATES IS UNCERTAIN. COLLECTION LABEL INDICATES SITE IS IN THE SW 1/4 OF THE SW 1/4 OF SECTION 24.

Ecological: STONY RED WEATHERED SERPENTINE SOILS DOMINATED BY CEANOTHUS CUNEATUS CHAPARRAL.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1996 TAYLOR COLLECTION.

Owner/Manager: UNKNOWN

Occurrence No. 6 **Map Index:** 95440 **EO Index:** 96560 **Element Last Seen:** 1999-04-29

Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1999-04-29

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2015-03-11

Quad Summary: Angels Camp (3812015)

County Summary: Calaveras

Lat/Long: 38.03164 / -120.51455 **Accuracy:** 1/5 mile

UTM: Zone-10 N4212241 E718138 **Elevation (ft):** 1800

PLSS: T02N, R13E, Sec. 14, N (M) **Acres:** 0.0

Location: SERPENTINE HILLTOP ABOUT 1 MILE NW OF CARSON HILL ON HIGHWAY 49.

Detailed Location: EXACT LOCATION UNKNOWN. COORDINATES OF -120.513, 38.02996 PROVIDED BY TAYLOR IN 2014 EMAIL CONTRADICT COORDINATES OF -120 30 58 W, 38 02 00 N AND TRS OF NE 1/4 NW 1/4 SEC 14 ON ORIGINAL COLLECTION LABEL. MAPPED TO ENCOMPASS BOTH SOURCES.

Ecological: GRAVELLY DIRT ROAD MARGIN IN ADENOSTOMA CHAPARRAL.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1999 TAYLOR COLLECTION.

Owner/Manager: UNKNOWN



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Downingia pusilla				Element Code: PDCAM060C0	
dwarf downingia					
Listing Status:	Federal:	None	CNDDDB Element Ranks:	Global:	GU
	State:	None		State:	S2
	Other:	Rare Plant Rank - 2B.2			
Habitat:	General:	VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.			
	Micro:	VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-490 M.			
Occurrence No.	25	Map Index: 43381	EO Index: 43381	Element Last Seen:	1937-04-25
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1937-04-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-09-04
Quad Summary:	Knights Ferry (3712076)				
County Summary:	Stanislaus				
Lat/Long:	37.77978 / -120.65363		Accuracy:	1 mile	
UTM:	Zone-10 N4183974 E706633		Elevation (ft):	490	
PLSS:	T02S, R12E, Sec. 09 (M)		Acres:	0.0	
Location:	FLAT IN LOW HILLS, 3 MILES SOUTH OF KNIGHTS LANDING.				
Detailed Location:	EXACT LOCATION NOT KNOWN; MAPPED SOUTH OF WILDCAT CREEK AND EAST OF CASHMAN CREEK.				
Ecological:					
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1937 COLLECTION BY JEPSON. NEEDS FIELDWORK.				
Owner/Manager:	UNKNOWN				



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<i>Lupinus spectabilis</i>		Element Code: PDFAB2B3P0	
shaggyhair lupine			
Listing Status:	Federal:	None	CNDDDB Element Ranks: Global: G2
	State:	None	State: S2
	Other:	Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden	
Habitat:	General:	CHAPARRAL, CISMONTANE WOODLAND.	
	Micro:	OPEN ROCKY SLOPES OF SERPENTINE. MOSTLY ON SERPENTINE CHAPARRAL SURROUNDED BY GREY PINE WOODLAND. 300-825 M.	

Occurrence No.	28	Map Index:	78660	EO Index:	79609	Element Last Seen:	1998-04-15
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			1998-04-15
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2010-04-26

Quad Summary: Sonora (3712084), New Melones Dam (3712085)

County Summary: Tuolumne

Lat/Long:	37.92243 / -120.50082	Accuracy:	1/10 mile
UTM:	Zone-10 N4200154 E719669	Elevation (ft):	1000
PLSS:	T01N, R13E, Sec. 24, SW (M)	Acres:	0.0

Location: SLOPES AT SOUTHEAST EDGE OF PEORIA BASIN, ABOUT 1.9 AIR MILES NORTH OF PEORIA PASS.

Detailed Location: MAPPED ACCORDING TO COORDINATES PROVIDED BY TAYLOR; 120D 30' 01"W, 37D 55' 21"N. DATUM UNKNOWN, MAPPED BETWEEN NAD27 AND NAD83. T-R-S ALSO GIVEN AS SW1/4 SW 1/4 SEC 24, BUT COORDINATES PUT THIS SITE IN THE N 1/2 SW 1/4 OF SEC 24.

Ecological: STONY RED WEATHERED SERPENTINE SOILS DOMINATED BY CEANOTHUS CUNEATUS CHAPARRAL.

General: UNKNOWN NUMBER OF PLANTS OBSERVED IN 1998; NEEDS POPULATION DATA.

Owner/Manager: UNKNOWN



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Monardella venosa				Element Code: PDLAM18082	
veiny monardella					
Listing Status:	Federal:	None	CNDDB Element Ranks:		Global: G1
	State:	None			State: S1
	Other:	Rare Plant Rank - 1B.1, BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_UCBG-UC Botanical Garden at Berkeley			
Habitat:	General:	VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND.			
	Micro:	IN HEAVY CLAY; MOSTLY WITH GRASSLAND ASSOCIATES. REDISCOVERED IN 1992. 30-405 M.			
Occurrence No.	4	Map Index: 13283	EO Index: 13536	Element Last Seen:	1998-07-03
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	1998-07-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2011-05-03
Quad Summary:	New Melones Dam (3712085)				
County Summary:	Tuolumne				
Lat/Long:	37.92041 / -120.51082		Accuracy:	80 meters	
UTM:	Zone-10 N4199906 E718796		Elevation (ft):	860	
PLSS:	T01N, R13E, Sec. 23, SE (M)		Acres:	0.0	
Location:	PEORIA BASIN (ABOUT 2 AIR MI S OF NEW MELONES DAM).				
Detailed Location:	REACHED VIA NEARBY NEW PEORIA FLAT ROAD.				
Ecological:	IN GRAY BLACK VERTISOL ON VERNALLY WET FLAT IN LARGE PATCH OF PERIDERIDIA KELLOGGII, & ZIGADENUS FREMONTII. GRASSLAND W/HORDEUM CA., ELYMUS GLAUCUS, & LOLIUM PERENNE. FRITILLARIA AGRESTIS & TRICHOSTEMA RUBISEPALUM FOUND NEARBY.				
General:	FIRST COLLECTED HERE BY J. RUTTER IN 1935 FROM "COPPERPOLIS (=COPPEROPOLIS), 1 3/4 MI NNW OF PEORIA PASS." SITE VISITED BY JOKERST IN 1988, BUT NO PLANTS FOUND. 2500 SEEN BY TAYLOR AT MAPPED LOCATION IN 1998.				
Owner/Manager:	PVT				



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Clarkia rostrata

Element Code: PDONA050Y0

beaked clarkia

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G2G3
State: None **State:** S2S3
Other: Rare Plant Rank - 1B.3, BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_UCBG-UC Botanical Garden at Berkeley
Habitat: **General:** CISMONTANE WOODLAND, VALLEY AND FOOTHILL GRASSLAND.
Micro: NORTH-FACING SLOPES; SOMETIMES ON SANDSTONE. 60-915 M.

Occurrence No. 8 **Map Index:** 32807 **EO Index:** 50485 **Element Last Seen:** 1938-05-09
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1938-05-09
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2010-07-07

Quad Summary: Knights Ferry (3712076)

County Summary: Stanislaus

Lat/Long: 37.81844 / -120.67240 **Accuracy:** 1 mile
UTM: Zone-10 N4188223 E704873 **Elevation (ft):**
PLSS: T01S, R12E, Sec. 29 (M) **Acres:** 0.0

Location: KNIGHTS FERRY.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDB IN VICINITY OF KNIGHTS FERRY.

Ecological:

General: ONLY SOURCES OF INFORMATION FOR THIS SITE ARE 1936 AND 1938 COLLECTIONS BY HOOVER, NEEDS FIELDWORK. LAND IN IMMEDIATE VICINITY OF TOWN BEING CONSIDERED FOR HISTORICAL PRESERVE (ALLEN, 1974).

Owner/Manager: UNKNOWN

Occurrence No. 25 **Map Index:** 40385 **EO Index:** 50470 **Element Last Seen:** 1994-XX-XX
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1994-XX-XX
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2003-03-06

Quad Summary: New Melones Dam (3712085)

County Summary: Calaveras, Tuolumne

Lat/Long: 37.89636 / -120.55026 **Accuracy:** 1 mile
UTM: Zone-10 N4197145 E715399 **Elevation (ft):** 900
PLSS: T01N, R13E, Sec. 33 (M) **Acres:** 0.0

Location: VICINITY OF SHOTGUN CREEK, EAST OF TULLOCH RESERVOIR AND SOUTHWEST OF TABLE MOUNTAIN. SW OF NEW MELONES RESERVOIR.

Detailed Location: WITHIN SITE OF PROPOSED SHOTGUN CREEK ESTATES. EXACT LOCATION NOT KNOWN, BUT MAPPED IN AREA OF SHOTGUN CREEK, BETWEEN THE TULLOCH RESERVOIR AND TABLE MOUNTAIN.

Ecological: ERYNGIUM SPINOSEPALUM IS IN THE GENERAL AREA.

General: MAP AND ECOLOGICAL INFORMATION NEEDED FOR THIS SITE.

Owner/Manager: PVT



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Erythranthe marmorata

Element Code: PDPHR01130

Stanislaus monkeyflower

Listing Status: **Federal:** None

CNDDB Element Ranks: **Global:** G2?

State: None

State: S2?

Other: Rare Plant Rank - 1B.1, BLM_S-Sensitive

Habitat: **General:** CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST.

Micro: 300-1435 M.

Occurrence No.	3	Map Index:	A2149	EO Index:	103742	Element Last Seen:	1923-04-01
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1923-04-01	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-10-10	

Quad Summary: Keystone (3712075)

County Summary: Tuolumne

Lat/Long:	37.84234 / -120.52508	Accuracy:	non-specific area
UTM:	Zone-10 N4191209 E717773	Elevation (ft):	1000
PLSS:	T01S, R13E, Sec. 15, S (M)	Acres:	75.0

Location: 1 MILE WEST OF KEYSTONE.

Detailed Location: EXACT LOCATION UNKNOWN. OTHER ABRAMS COLLECTIONS FROM THE SAME DAY FOR DIFFERENT SPECIES SAY "1 MILE W OF KEYSTONE NEAR JUNCTION OF COPPEROPOLIS RD." MAPPED AS BEST GUESS BY CNDDB ALONG HWY 120 ABOUT 1 AIR MILE NW OF KEYSTONE.

Ecological: VOLCANIC TABLE LAND.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1923 ABRAMS COLLECTION. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Occurrence No.	4	Map Index:	32807	EO Index:	103743	Element Last Seen:	1895-04-09
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1895-04-09	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-10-14	

Quad Summary: Knights Ferry (3712076)

County Summary: Stanislaus

Lat/Long:	37.81844 / -120.67240	Accuracy:	1 mile
UTM:	Zone-10 N4188223 E704873	Elevation (ft):	
PLSS:	T01S, R12E, Sec. 29 (M)	Acres:	0.0

Location: KNIGHTS FERRY.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB AROUND KNIGHTS FERRY, BASED ON AN 1895 BANCROFT COLLECTION.

Ecological: MOIST ROCKS.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1895 BANCROFT COLLECTION. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Navarretia paradoxiclara

Element Code: PDPLM0C150

Patterson's navarretia

Listing Status: **Federal:** None

CNDDB Element Ranks: **Global:** G2

State: None

State: S2

Other: Rare Plant Rank - 1B.3, BLM_S-Sensitive

Habitat: **General:** MEADOWS AND SEEPS.

Micro: SERPENTINITE, OPENINGS, VERNALLY MESIC, OFTEN DRAINAGES. 150-435 M.



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Occurrence No.	3	Map Index:	A2172	EO Index:	103769	Element Last Seen:	2009-05-28
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	2009-05-28		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2016-10-12		
Quad Summary:	Keystone (3712075)						
County Summary:	Tuolumne						
Lat/Long:	37.84378 / -120.50669			Accuracy:	80 meters		
UTM:	Zone-10 N4191412 E719387			Elevation (ft):	1065		
PLSS:	T01S, R13E, Sec. 14, SE (M)			Acres:	5.0		
Location:	JUST NORTH OF JUNCTION OF HWY 59 AND HWY 108/120, ABOUT 3.9 MILES SW OF YOSEMITE JUNCTION.						
Detailed Location:	BETWEEN HIGHWAY AND RAILROAD TRACK. MAPPED BY CNDDB BASED ON 2009 JOHNSON COORDINATES, IN THE SW 1/4 OF THE SE 1/4 OF SECTION 14.						
Ecological:	AT EDGES OF LONG SEEP AREA WITH SERPENTINE SOILS AMONG GRASSES.						
General:	SITE BASED ON A 2009 JOHNSON COLLECTION. 1953 CANTELOW COLLECTION FROM "3.6 MILES WEST OF YOSEMITE JUNCTION, HIGHWAY 120" ATTRIBUTED HERE.						
Owner/Manager:	PVT						

Occurrence No.	4	Map Index:	A2176	EO Index:	103773	Element Last Seen:	1958-06-06
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1958-06-06		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2016-10-12		
Quad Summary:	Angels Camp (3812015), Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.04935 / -120.63122			Accuracy:	non-specific area		
UTM:	Zone-10 N4213939 E707847			Elevation (ft):	1420		
PLSS:	T02N, R12E, Sec. 2, SW (M)			Acres:	45.0		
Location:	JUST WEST OF ELKHORN STATION, ALONG HWY 4, 5.8 MILES WEST OF ALTAVILLE.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB ALONG HWY 4 FOR ABOUT 0.5 MILE WEST OF ELKHORN STATION, BASED ON A 1958 BACIGALUPI COLLECTION.						
Ecological:	SWALE IN BLUE OAK BELT.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1958 BACIGALUPI COLLECTION. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	5	Map Index:	57589	EO Index:	103781	Element Last Seen:	1984-06-18
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1984-06-18		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2016-10-12		
Quad Summary:	Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.00741 / -120.69467			Accuracy:	non-specific area		
UTM:	Zone-10 N4209145 E702394			Elevation (ft):	1200		
PLSS:	T02N, R12E, Sec. 19, SE (M)			Acres:	40.6		
Location:	UPPER LITTLEJOHNS CREEK DRAINAGE ABOUT 2.7 AIR MILES NW OF COPPEROPOLIS.						
Detailed Location:	EXACT LOCATION UNKNOWN. LOCATION DESCRIPTION OF 1984 COLLECTION GIVEN AS "2.7 AIR MILES SW OF COPPEROPOLIS"; PRESUMABLY MEANT NW. MAPPED BY CNDDDB IN THE NW 1/4 OF THE SE 1/4 OF SECTION 19 BASED ON TRS GIVEN BY STONE.						
Ecological:	VERNALLY WET CLAY SOIL ALONG MARGINS OF AN EPHEMERAL STREAM.						
General:	SITE BASED ON TWO 1984 STONE COLLECTIONS; DESCRIBED BY STONE AS "INFREQUENT". NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						

Occurrence No.	6	Map Index:	A2183	EO Index:	103782	Element Last Seen:	1921-05-19
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1921-05-19		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	2016-10-12		
Quad Summary:	Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.03625 / -120.71513			Accuracy:	1 mile		
UTM:	Zone-10 N4212301 E700519			Elevation (ft):	1000		
PLSS:	T02N, R11E, Sec. 12 (M)			Acres:	1987.0		
Location:	SALT SPRINGS VALLEY.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AROUND CENTRAL PORTION OF SALT SPRINGS VALLEY EAST OF RESERVOIR BY CNDDDB, BASED ON A 1921 TRACY COLLECTION.						
Ecological:	FOOTHILL REGION, EDGES OF WET GROUND.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1921 TRACY COLLECTION. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						



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Diplacus pulchellus

Element Code: PDSCR1B280

yellow-lip pansy monkeyflower

Listing Status: **Federal:** None **CNDDDB Element Ranks:** **Global:** G2
State: None **State:** S2
Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden, USFS_S-Sensitive
Habitat: **General:** LOWER MONTANE CONIFEROUS FOREST, MEADOWS AND SEEPS.
Micro: VERNALLY WET SITES. SOILS CAN BE CLAY, VOLCANIC, OR GRANITIC. 670-1950 M.

Occurrence No. 44 **Map Index:** 75178 **EO Index:** 76175 **Element Last Seen:** XXXX-XX-XX
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** XXXX-XX-XX
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2009-05-21

Quad Summary: Angels Camp (3812015)
County Summary: Calaveras

Lat/Long: 38.10835 / -120.51432 **Accuracy:** non-specific area
UTM: Zone-10 N4220755 E717930 **Elevation (ft):**
PLSS: T03N, R13E, Sec. 14, S (M) **Acres:** 67.0

Location: 4 MILES WEST OF MURPHYS.
Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS BEST GUESS ~4 MILES WEST OF MURPHYS ALONG MURPHYS GRADE ROAD WHICH IS THE MAIN ROAD WEST OF MURPHYS.
Ecological:
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS AN UNDATED STANFORD COLLECTION MENTIONED IN A SYSTEMATIC BOTANY MONOGRAPHS ARTICLE ON MIMULUS. NEEDS FIELDWORK.
Owner/Manager: UNKNOWN



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Verbena californica

Element Code: PDVER0N050

Red Hills vervain

Listing Status:	Federal: Threatened	CNDDDB Element Ranks:	Global: G2
	State: Threatened		State: S2
	Other: Rare Plant Rank - 1B.1, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_UCBG-UC Botanical Garden at Berkeley		
Habitat:	General: CISMONTANE WOODLAND, VALLEY AND FOOTHILL GRASSLAND.		
	Micro: MESIC SITES ON SERPENTINE; USUALLY SERPENTINE SEEPS OR CREEKS. 255-350 M.		

Occurrence No.	12	Map Index: 21577	EO Index: 9007	Element Last Seen:	2015-07-09
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2015-07-09
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-04-03

Quad Summary: Chinese Camp (3712074), Keystone (3712075)

County Summary: Tuolumne

Lat/Long:	37.86956 / -120.50164	Accuracy:	specific area
UTM:	Zone-10 N4194284 E719755	Elevation (ft):	1100
PLSS:	T01S, R13E, Sec. 11, NE (M)	Acres:	32.0

Location: ANDREW CREEK, EAST OF HWY 108/120, APPROXIMATELY 1.6 AIR MILES SSW OF YOSEMITE JUNCTION.

Detailed Location: 10 POLYGONS MAPPED ACCORDING TO A 1998 MAP BY KNOX AND 2015 NIELSEN COORDINATES. WITHIN THE SE 1/4 OF SECTION 2, THE NE 1/4 OF SECTION 11, AND THE NW 1/4 OF SECTION 12.

Ecological: ON SHALLOW, OPEN/ROCKY SOIL IN WET DRAINAGE ON SERPENTINE WITHIN RIPARIAN AND GRASSLAND COMMUNITIES. ASSOC W/ MIMULUS GUTTATUS, RHAMNUS, EPILOBIUM GLANDULOSUM, SENECIO CLEVELANDII, HETEROPHYLLUS, CAREX SPP., JUNCUS SPP., HELIANTHUS, ETC.

General: POP NUMBERS FOR PORTIONS OF SITE: FEWER THAN 50 PLANTS IN 1991, SEVERAL THOUSAND REPORTED IN 1992, AT LEAST 530 PLANTS IN 1996, FEWER IN 1997, 1000+ PLANTS IN 2011, ~60 PLANTS IN 2015. 1938 & 1939 COLLECTIONS BY HOOVER ATTRIBUTED TO SITE.

Owner/Manager: PVT, BLM



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Allium tuolumnense

Element Code: PMLIL022W0

Rawhide Hill onion

Listing Status: **Federal:** None **CNDDB Element Ranks:** **Global:** G2
State: None **State:** S2
Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive
Habitat: **General:** CISMONTANE WOODLAND.
Micro: RESTRICTED TO SERPENTINE SOIL, USUALLY IN GREY PINE CHAPARRAL. STEEP, ROCKY, SOUTH-FACING SLOPES OR SMALL DRAINAGES. 210-505 M.

Occurrence No. 29 **Map Index:** 79371 **EO Index:** 80355 **Element Last Seen:** 2005-04-21
Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 2005-04-21
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2010-07-09

Quad Summary: New Melones Dam (3712085)

County Summary: Tuolumne

Lat/Long: 37.92331 / -120.51916 **Accuracy:** 4/5 mile
UTM: Zone-10 N4200209 E718054 **Elevation (ft):**
PLSS: T01N, R13E, Sec. 23 (M) **Acres:** 0.0

Location: PEORIA BASIN.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB IN VICINITY OF PEORIA BASIN.

Ecological:

General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 2005 TAYLOR PHOTO FROM CALPHOTOS. NEEDS LOCATION INFORMATION.

Owner/Manager: UNKNOWN

Occurrence No. 32 **Map Index:** B2836 **EO Index:** 114769 **Element Last Seen:** 2015-07-09
Occ. Rank: Good **Presence:** Presumed Extant **Site Last Seen:** 2015-07-09
Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2019-04-05

Quad Summary: Keystone (3712075)

County Summary: Tuolumne

Lat/Long: 37.87336 / -120.50546 **Accuracy:** specific area
UTM: Zone-10 N4194698 E719407 **Elevation (ft):** 1035
PLSS: T01S, R13E, Sec. 2, SE (M) **Acres:** 1.0

Location: ALONG ANDREW CREEK, APPROXIMATELY 0.15 MILE EAST OF WHERE IT CROSSES CA-120/CA-108, RED HILLS.

Detailed Location: MAPPED ACCORDING TO 2015 NIELSEN COORDINATES, IN THE SW 1/4 OF THE SE 1/4 OF SECTION 32.

Ecological: SERPENTINE HABITAT. SPRING INCLUSION WITH STANDING WATER IN DRY, INTERMITTENT CREEK (ANDREW CREEK). FLOWS TO WEST. <5 DEGREES. PINUS SABINIANA AND CEANOTHUS CUNEATUS. ALSO SALIX, QUERCUS DOUGLASII, CALYCANTHUS OCCIDENTALIS, RHAMNUS, ETC.

General: HUNDREDS OF PLANTS OBSERVED IN 2015. ALLIUM TUOLUMNENSE IS VERY COMMON THROUGHOUT ALL THE DRY CREEK BEDS.

Owner/Manager: BLM

Brodiaea pallida

Element Code: PMLIL0C0C0

Chinese Camp brodiaea

Listing Status: **Federal:** Threatened **CNDDB Element Ranks:** **Global:** G1
State: Endangered **State:** S1
Other: Rare Plant Rank - 1B.1, IUCN_EN-Endangered
Habitat: **General:** VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND.



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Micro: OFTEN IN ROCKY, INTERMITTENT STREAMBEDS. AT LEAST SOMETIMES ON SERPENTINE. 165-385 M.							
Occurrence No.	2	Map Index:	43988	EO Index:	43988	Element Last Seen:	2008-06-05
Occ. Rank:	Excellent			Presence:	Presumed Extant	Site Last Seen:	2008-06-05
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-04-22
Quad Summary:	New Melones Dam (3712085), Copperopolis (3712086)						
County Summary:	Calaveras						
Lat/Long:	37.93151 / -120.62206				Accuracy:	specific area	
UTM:	Zone-10 N4200883 E708985				Elevation (ft):	550	
PLSS:	T01N, R12E, Sec. 14, S (M)				Acres:	175.0	
Location:	SAWMILL & BLACK CREEKS, FROM JUST N OF THE WEST ARM OF TULLOCH RESERVOIR TO 0.5 MI UP SAWMILL CR, W OF NEW MELONES DAM.						
Detailed Location:	ALONG BLACK CREEK FROM ABOUT 0.12 MILE SOUTH OF COPPER COVE DRIVE CROSSING (NOT MARKED ON TOPO MAP) TO BRIDGE IMMEDIATELY ABOVE TULLOCK RESERVOIR AND ALONG SAWMILL CREEK FROM CONFLUENCE WITH BLACK CREEK UPSTREAM (NORTH) ABOUT 0.5 MILE.						
Ecological:	IN SOIL CATCHMENTS WITHIN AN OPEN, SEASONAL CREEKBED WITH HARD MEDISEDIMENTARY ROCK BASE. SOUTH SLOPES WITH BLUE OAK WOODLAND, NORTH SLOPES WITH MIXED FOOTHILL WOODLAND. ASSOC W/ POLYPOGON MONSPELIENSIS, JUNCUS BALTICUS, ETC.						
General:	5000+ PLANTS OBSERVED IN 2000, MANY OF WHICH WERE CLONES. ~570 INDIVIDUAL PLANTS COUNTED AT SE END OF OCCURRENCE IN 2006. 15,313 FLOWERING STALKS COUNTED IN 2008. PORTION OF CREEK MAY HAVE BEEN DREDGED (2000).						
Owner/Manager:	PVT						
Occurrence No.	3	Map Index:	79098	EO Index:	80064	Element Last Seen:	2005-07-13
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2005-07-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-02-24
Quad Summary:	Copperopolis (3712086)						
County Summary:	Calaveras						
Lat/Long:	37.89751 / -120.63038				Accuracy:	specific area	
UTM:	Zone-10 N4197092 E708349				Elevation (ft):	675	
PLSS:	T01N, R12E, Sec. 35, NW (M)				Acres:	1.0	
Location:	LITTLE JOHNS CREEK, ABOUT 1.3 AIR MILES WNW OF ALTO MINE.						
Detailed Location:	LOCATED WITHIN THE ORDINARY HIGH WATER MARK OF THE CREEK, VISIBLE DURING LOW FLOW PERIODS AND SUMMER MONTHS. UNSECTIONED PORTION OF THE RANCHERIA DEL RIO ESTANISLAO LAND GRANT.						
Ecological:	GROWING IN ROCKY SUBSTRATE. ASSOCIATED WITH ELEOCHARIS MACROSTACHYA, PASPALUM DILATATUM, POLYPOGON MONSPELIENSIS, CYNODON DACTYLON, TRIFOLIUM VARIEGATUM, AND LEONTODON TARAXACOIDES.						
General:	~11 PLANTS OBSERVED IN 2005. ID CONFIRMED BY BARRETT ANDERSON AND ROB PRESTON, 8/2010.						
Owner/Manager:	PVT						



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Occurrence No.	4	Map Index:	79099	EO Index:	80065	Element Last Seen:	2005-07-13
Occ. Rank:	Good			Presence:	Presumed Extant	Site Last Seen:	2005-07-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-06-16
Quad Summary:	Copperopolis (3712086)						
County Summary:	Calaveras						
Lat/Long:	37.89358 / -120.62726			Accuracy:	specific area		
UTM:	Zone-10 N4196662 E708635			Elevation (ft):	650		
PLSS:	T01N, R12E, Sec. 35, SW (M)			Acres:	1.0		
Location:	LITTLE JOHNS CREEK, ABOUT 1.1 AIR MILES WEST OF ALTO MINE.						
Detailed Location:	LOCATED WITHIN THE ORDINARY HIGH WATER MARK OF THE CREEK, VISIBLE DURING LOW FLOW PERIODS AND SUMMER MONTHS. UNSECTIONED PORTION OF THE RANCHERIA DEL RIO ESTANISLAO LAND GRANT.						
Ecological:	GROWING IN ROCKY SUBSTRATE. ASSOCIATED W/ ELEOCHARIS MACROSTACHYA, PASPALUM DILATATUM, HORDEUM MARINUM, POLYPOGON MONSPELIENSIS, CYNODON DACTYLON, TRIFOLIUM VARIEGATUM, LEONTODON TARAXACOIDES, NAVARRETIA INTERTEXTA, LOLIUM MULTIFLORUM, ETC.						
General:	~69 PLANTS OBSERVED IN 2005. ID CONFIRMED BY BARRETT ANDERSON AND ROB PRESTON, 8/2010.						
Owner/Manager:	PVT						

Occurrence No.	5	Map Index:	79100	EO Index:	80066	Element Last Seen:	2005-07-13
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2005-07-13
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2010-06-16
Quad Summary:	Copperopolis (3712086)						
County Summary:	Calaveras						
Lat/Long:	37.87648 / -120.63730			Accuracy:	specific area		
UTM:	Zone-10 N4194741 E707800			Elevation (ft):	560		
PLSS:	T01S, R12E, Sec. 03, SE (M)			Acres:	2.0		
Location:	LITTLE JOHNS CREEK, ABOUT 1.75 AIR MILES WEST OF TULLOCH DAM.						
Detailed Location:	LOCATED WITHIN THE ORDINARY HIGH WATER MARK OF THE CREEK, VISIBLE DURING LOW FLOW PERIODS AND SUMMER MONTHS. UNSECTIONED PORTION OF THE RANCHERIA DEL RIO ESTANISLAO LAND GRANT.						
Ecological:	GROWING IN ROCKY SUBSTRATE. ASSOCIATED W/ ELEOCHARIS MACROSTACHYA, PASPALUM DILATATUM, HORDEUM MARINUM, POLYPOGON MONSPELIENSIS, AND RANUNCULUS BONARIENSIS.						
General:	~32 PLANTS OBSERVED IN 2005. ID CONFIRMED BY BARRETT ANDERSON AND ROB PRESTON, 8/2010.						
Owner/Manager:	PVT						

<i>Chlorogalum grandiflorum</i>					Element Code: PMLILOG020		
Red Hills soaproot							
Listing Status:	Federal:	None			CNDDDB Element Ranks:	Global:	G3
	State:	None				State:	S3
	Other:	Rare Plant Rank - 1B.2, BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden					
Habitat:	General:	CISMONTANE WOODLAND, CHAPARRAL, LOWER MONTANE CONIFEROUS FOREST.					
	Micro:	OCCURS FREQUENTLY ON SERPENTINE OR GABBRO, BUT ALSO ON NON-ULTRAMAFIC SUBSTRATES; OFTEN ON "HISTORICALLY DISTURBED" SITES. 265-1695 M.					



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Occurrence No.	16	Map Index:	13299	EO Index:	8420	Element Last Seen:	1980-04-28
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1980-04-28	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1992-09-16	
Quad Summary:	New Melones Dam (3712085)						
County Summary:	Tuolumne						
Lat/Long:	37.91234 / -120.51034			Accuracy:	non-specific area		
UTM:	Zone-10 N4199011 E718862			Elevation (ft):	1025		
PLSS:	T01N, R13E, Sec. 26, NE (M)			Acres:	114.9		
Location:	PEORIA BASIN ALONG ROAD TO NEW MELONES DAM AT ROAD MARKER A83+70.						
Detailed Location:							
Ecological:	LOW ROCKY KNOB IN DELPIEDRA (SERPENTINE) SOIL WITH SCATTERED CEANOTHUS CUNEATUS AND SPARSE HERBACEOUS COVER.						
General:	AREA FROM MOUNTAIN TOP TO STANISLAUS RIVER IS ALSO SERPENTINE AND SHOULD BE SEARCHED FOR PLANTS ACCORDING TO POWELL.						
Owner/Manager:	PVT						

Occurrence No.	78	Map Index:	79071	EO Index:	80032	Element Last Seen:	2005-05-25
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2005-05-25	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-06-15	
Quad Summary:	New Melones Dam (3712085)						
County Summary:	Calaveras						
Lat/Long:	37.95052 / -120.56176			Accuracy:	2/5 mile		
UTM:	Zone-10 N4203130 E714229			Elevation (ft):	1079		
PLSS:	T01N, R13E, Sec. 09 (M)			Acres:	0.0		
Location:	NEW MELONES RESERVOIR, 100 METERS FROM FRENCH CREEK AND 100 METERS FROM THE ROAD.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB IN VICINITY OF FRENCH CREEK AND ASSOCIATED UNNAMED ROADS AROUND GIVEN ELEVATION OF 1079 FT.						
Ecological:	THE PLOT IS DOMINATED BY A HIGH PERCENTAGE OF COBBLE AND THIN SOILS AND A DISTINCT COMMUNITY OF CHLOROGALUM AND HOLOCARPHA.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2005. NEEDS LOCATION INFORMATION.						
Owner/Manager:	USBOR, BLM						



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Occurrence No.	79	Map Index:	79072	EO Index:	80033	Element Last Seen:	2003-08-01
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2003-08-01	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-06-15	
Quad Summary:	New Melones Dam (3712085)						
County Summary:	Tuolumne						
Lat/Long:	37.94530 / -120.52284			Accuracy:	80 meters		
UTM:	Zone-10 N4202640 E717665			Elevation (ft):	1505		
PLSS:	T01N, R13E, Sec. 14, NW (M)			Acres:	0.0		
Location:	NORTHWEST FACE OF PEORIA RIDGE, ABOUT 1 AIR MILE NORTHEAST OF CENTRAL FERRY (SITE).						
Detailed Location:	MAPPED IN THE NW 1/4 OF THE NW 1/4 OF SECTION 14.						
Ecological:	ROCKY NW-FACING SLOPE; AESCULUS CALIFORNICA W/ QUERCUS DOUGLASII AND SOME Q. WISLIZENI. EXOTIC ANNUAL GRASSES SIGNIFICANT PART OF THE HERB LAYER BUT MANY NATIVE FORBS AND GRASSES FOUND ON ROCKY OUTCROPS. ASSOC W/ AVENA FATUA, BROMUS, ETC.						
General:	0.2% COVER OF THIS PLANT IN 2003.						
Owner/Manager:	USBOR						

Occurrence No.	80	Map Index:	79073	EO Index:	80035	Element Last Seen:	2003-07-30
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2003-07-30	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-06-15	
Quad Summary:	New Melones Dam (3712085)						
County Summary:	Tuolumne						
Lat/Long:	37.93689 / -120.53395			Accuracy:	80 meters		
UTM:	Zone-10 N4201681 E716714			Elevation (ft):	876		
PLSS:	T01N, R13E, Sec. 15, SE (M)			Acres:	0.0		
Location:	WESTERN SLOPES OF PEORIA RIDGE, NW OF PAVED ACCESS ROAD TO NEW MELONES DAM LOOKOUT, JUST EAST OF CENTRAL FERRY (SITE).						
Detailed Location:	STAND OCCURS ON S AND W FACING SLOPES OF PEORIA RIDGE. MAPPED IN THE NW 1/4 OF THE SE 1/4 OF SECTION 15.						
Ecological:	OPEN QUERCUS DOUGLASII WOODLAND W/ ANNUAL GRASS UNDERSTORY. PINUS SABINIANA OCCURS OCCASIONALLY WITHIN STAND AND IS MORE ABUNDANT ON W-FACING SLOPE OF STAND ABOVE STANISLAUS RIVER. ASSOC W/ BROMUS HORDACEUS, AVENA FATUA, ETC.						
General:	0.2% COVER OF THIS PLANT IN 2003.						
Owner/Manager:	USBOR						



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Occurrence No.	81	Map Index:	79074	EO Index:	80036	Element Last Seen:	2003-07-30
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2003-07-30	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-06-15	
Quad Summary:	New Melones Dam (3712085)						
County Summary:	Tuolumne						
Lat/Long:	37.93076 / -120.53067			Accuracy:	80 meters		
UTM:	Zone-10 N4201008 E717020			Elevation (ft):	870		
PLSS:	T01N, R13E, Sec. 22, NE (M)			Acres:	0.0		
Location:	NORTHEAST OF BASELINE CONSERVATION CAMP, NW SLOPES OF PEORIA BASIN, ABOUT 0.6 AIR MI SOUTHEAST OF CENTRAL FERRY (SITE).						
Detailed Location:	MAPPED IN THE NW 1/4 OF THE NE 1/4 OF SECTION 22.						
Ecological:	QUERCUS DOUGLASII WOODLAND ON LOW, GENTLY SLOPING RIDGE. CANOPY COVER VARIES FROM 15-50%. OVERSTORY TREES PREDOMINATELY Q. DOUGLASII WITH A FEW Q. WISLIZENI, UNDERSTORY LARGELY EXOTIC ANNUAL GRASSES. ASSOC W/ BROMUS HORDACEUS, AVENA, ETC.						
General:	0.2% COVER OF THIS PLANT IN 2003.						
Owner/Manager:	USBOR						

Occurrence No.	82	Map Index:	79076	EO Index:	80039	Element Last Seen:	2003-08-01
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2003-08-01	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-06-15	
Quad Summary:	New Melones Dam (3712085)						
County Summary:	Tuolumne						
Lat/Long:	37.93927 / -120.50262			Accuracy:	80 meters		
UTM:	Zone-10 N4202019 E719460			Elevation (ft):	1571		
PLSS:	T01N, R13E, Sec. 13, W (M)			Acres:	0.0		
Location:	RIDGE BETWEEN PEORIA MOUNTAIN AND NEW MELONES RESERVOIR, ABOUT 1.9 AIR MILES EAST OF CENTRAL FERRY (SITE).						
Detailed Location:	ON A ROCKY SOUTH FACING KNOLL THAT DRAINS TOWARDS A SMALL WATERSHED. MAPPED IN THE SW 1/4 OF THE NW 1/4 OF SECTION 13.						
Ecological:	INTERMITTENT SHRUB LAYER AND AN INTERMITTENT HERB LAYER; ENTIRE STAND SURROUNDED BY QUERCUS DOUGLASII. ASSOC W/ AVENA FATUA, TOXICODENDRON DIVERSILOBUM, VICIA VILLOSA, BROMUS HORDACEUS, KECKIELLA BREVIFLORA, PHACELIA CICUTARIA, ETC.						
General:	0.2% COVER OF THIS PLANT IN 2003.						
Owner/Manager:	USBOR						



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Occurrence No.	83	Map Index:	58627	EO Index:	80041	Element Last Seen:	1998-06-06
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1998-06-06	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-06-15	
Quad Summary:	Salt Spring Valley (3812016)						
County Summary:	Calaveras						
Lat/Long:	38.01848 / -120.63706				Accuracy:	80 meters	
UTM:	Zone-10 N4210500 E707421				Elevation (ft):	1600	
PLSS:	T02N, R12E, Sec. 15, SE (M)				Acres:	0.0	
Location:	2.5 ROAD MILES NORTH OF COPPEROPOLIS ALONG HIGHWAY 4; WATERSHED OF BLACK CREEK.						
Detailed Location:	ON A GENTLE SLOPE 0.3 AIR MILES EAST OF HIGHWAY. MAPPED IN THE SW 1/4 OF THE SE 1/4 OF SECTION 15.						
Ecological:	SERPENTINE SOIL. RED, CLAY RICH, SUBSTRATUM SET IN CEANOTHUS CUNEATUS CHAPARRAL, WITH ABUNDANT LASTHENIA CALIFORNICA, MINUARTIA CALIFORNICA, MIMULUS GUTTATUS EARLY IN SEASON. RARE ASSOCIATES: CRYPTANTHA MARIPOSAE & LOMATIUM CONGDONII.						
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 1998; LISTED AS AN ASSOCIATE ON FIELD SURVEY FORM FOR CRYPTANTHA MARIPOSAE.						
Owner/Manager:	BLM						

<i>Fritillaria agrestis</i>	Element Code: PMLILOV010		
stinkbells			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G3
	State: None		State: S3
	Other: Rare Plant Rank - 4.2		
Habitat:	General: CISMONTANE WOODLAND, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND, PINYON AND JUNIPER WOODLAND.		
	Micro: SOMETIMES ON SERPENTINE; MOSTLY FOUND IN NONNATIVE GRASSLAND OR IN GRASSY OPENINGS IN CLAY SOIL. 10-1555 M.		

Occurrence No.	24	Map Index:	21056	EO Index:	9189	Element Last Seen:	1978-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1978-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1992-04-24		
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.76156 / -120.69216				Accuracy:	1/5 mile	
UTM:	Zone-10 N4181868 E703290				Elevation (ft):	360	
PLSS:	T02S, R12E, Sec. 18, SW (M)				Acres:	0.0	
Location:	ALONG DIRT SECTION OF WAMBLE ROAD WHERE IT DEAD ENDS IN CENTER OF SECTION 18.						
Detailed Location:							
Ecological:							
General:	VERY LARGE POPUOLATION SEEN IN 1978 ACC TO MEDEIROS.						
Owner/Manager:	UNKNOWN						



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Agrostis hendersonii

Element Code: PMPOA040K0

Henderson's bent grass

Listing Status: **Federal:** None

CNDDDB Element Ranks: **Global:** G2Q

State: None

State: S2

Other: Rare Plant Rank - 3.2

Habitat: **General:** VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro: MOIST PLACES IN GRASSLAND OR VERNAL POOL HABITAT. 65-1030 M.

Occurrence No. 2 **Map Index:** 17315 **EO Index:** 9795 **Element Last Seen:** 1936-04-07

Occ. Rank: Unknown **Presence:** Presumed Extant **Site Last Seen:** 1936-04-07

Occ. Type: Natural/Native occurrence **Trend:** Unknown **Record Last Updated:** 2010-11-10

Quad Summary: New Melones Dam (3712085)

County Summary: Calaveras, Tuolumne

Lat/Long: 37.90973 / -120.57022 **Accuracy:** non-specific area

UTM: Zone-10 N4198584 E713604 **Elevation (ft):** 950

PLSS: T01N, R13E, Sec. 29 (M) **Acres:** 641.0

Location: 1 MILE SOUTHWEST OF SUGARLOAF MOUNTAIN.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AROUND SECTION 29 ACCORDING TO GIVEN T-R-S: 1N13E29.

Ecological: SLOPE 5%.

General: ONLY SOURCES OF INFORMATION FOR THIS OCCURRENCE ARE TWO CARLSON COLLECTIONS FROM 1936. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Neostapfia colusana

Element Code: PMPOA4C010

Colusa grass

Listing Status: **Federal:** Threatened

CNDDDB Element Ranks: **Global:** G1

State: Endangered

State: S1

Other: Rare Plant Rank - 1B.1

Habitat: **General:** VERNAL POOLS.

Micro: USUALLY IN THE BOTTOMS OF LARGE, OR DEEP VERNAL POOLS; ADOBE SOILS. 5-125 M.



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Occurrence No.	47	Map Index:	12702	EO Index:	19591	Element Last Seen:	1986-07-24
Occ. Rank:	None			Presence:	Possibly Extirpated	Site Last Seen:	1986-07-24
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2016-02-09
Quad Summary:	Bachelor Valley (3712087)						
County Summary:	Stanislaus						
Lat/Long:	37.88724 / -120.75800			Accuracy:	specific area		
UTM:	Zone-10 N4195674 E697154			Elevation (ft):	340		
PLSS:	T01N, R11E, Sec. 34, SW (M)			Acres:	6.9		
Location:	APPROX 6 AIR MILES NORTHWEST OF KNIGHTS FERRY, AT HEADWATERS OF SHIRLEY CREEK.						
Detailed Location:	5 MILES ESE OF EUGENE. INTERMITTENT POND WITHIN THE SW 1/4 OF THE SW 1/4 OF SECTION 34.						
Ecological:	IN A 15 FOOT WIDE BAND BETWEEN BARE MUD AND AREA OF CRYPIS VAGINIFLORA. IN THE DEEPEST PART OF A VERNAL POOL IN AN ANNUAL GRASSLAND. SOILS ARE A REDDING-PENTZ-PETERS ASSOCIATION.						
General:	~150 INDIVIDUALS IN FLOWER IN 1986. CATTLE GRAZING IN AREA DOESN'T APPEAR TO DISTURB HABITAT HERE ALTHOUGH IT MAY FACILITATE INVASION OF CRYPIS VAGINIFLORA. BASED ON AERIAL IMAGERY, POOL MAY HAVE BEEN EXTIRPATED BY AG BTWN 2011 & 2013.						
Owner/Manager:	PVT						

Occurrence No.	55	Map Index:	25009	EO Index:	6269	Element Last Seen:	2017-07-10
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2017-07-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-04-21
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.76111 / -120.64585			Accuracy:	specific area		
UTM:	Zone-10 N4181919 E707371			Elevation (ft):	340		
PLSS:	T02S, R12E, Sec. 15, SW (M)			Acres:	7.8		
Location:	POND UNDER TRANSMISSION LINES ABOUT 4.7 AIR MILES SSE OF KNIGHTS LANDING.						
Detailed Location:	1.6 MILES WEST OF WILLIAMS ROAD WITHIN THE NW 1/4 OF THE SW 1/4 OF SECTION 15 (ADJACENT TO SECTION LINE). IN 2017, PLANTS ONLY OBSERVED ON THE WILLMS RANCH SIDE OF STOCKPOND; ADJACENT RANCH SUBJECT TO INTENSE GRAZING.						
Ecological:	ARTIFICIAL POND ALONG INTERMITTENT DRAINAGE. ASSOCIATED WITH CRYPIS VAGINIFLORA, XANTHIUM STRUMARIUM, AND AMARANTHUS. ANNUAL GRASSLAND SURROUNDS.						
General:	1000+ PLANTS OBSERVED IN 1988 AND 2017. PRESENT GRAZING REGIME MAY BE CONSISTENT WITH EXISTENCE OF THIS OCCURRENCE, THOUGH TRAMPLING OF POND PROBABLY RESTRICTS DENSITY OF NEOSTAPFIA SEEDLINGS.						
Owner/Manager:	PVT						



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Occurrence No.	75	Map Index:	B1448	EO Index:	113354	Element Last Seen:	2017-07-10
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2017-07-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-04-21
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.76826 / -120.63559				Accuracy:	80 meters	
UTM:	Zone-10 N4182736 E708256				Elevation (ft):	375	
PLSS:	T02S, R12E, Sec. 15, NE (M)				Acres:	5.0	
Location:	APPROXIMATELY 3.4 AIR MILES SSE OF THE JUNCTION OF CA-108 WITH WILLMS ROAD, WILLMS RANCH.						
Detailed Location:	MAPPED AROUND STOCKPOND AT COORDINATES PROVIDED, IN THE NW 1/4 OF THE NE 1/4 OF SECTION 15.						
Ecological:	LARGE STOCKPOND THAT ENCOMPASSES PART OF NATURAL DRAINAGE ON PENTZ CLAY LOAM. ASSOCIATED WITH CRYPIS SCHOENOIDES AND AMARANTHUS ALBUS.						
General:	25 PLANTS OBSERVED IN 2017.						
Owner/Manager:	PVT						


Occurrence No.	76	Map Index:	B1449	EO Index:	113355	Element Last Seen:	2017-07-10
Occ. Rank:	Fair			Presence:	Presumed Extant	Site Last Seen:	2017-07-10
Occ. Type:	Natural/Native occurrence			Trend:	Unknown	Record Last Updated:	2020-04-21
Quad Summary:	Knights Ferry (3712076)						
County Summary:	Stanislaus						
Lat/Long:	37.75948 / -120.65809				Accuracy:	80 meters	
UTM:	Zone-10 N4181712 E706297				Elevation (ft):	355	
PLSS:	T02S, R12E, Sec. 16, SW (M)				Acres:	5.0	
Location:	APPROXIMATELY 3.8 AIR MILES SOUTH OF THE JUNCTION OF CA-108 WITH WILLMS ROAD, WILLMS RANCH.						
Detailed Location:	MAPPED AROUND STOCKPOND AT COORDINATES PROVIDED, IN THE NE 1/4 OF THE SW 1/4 OF SECTION 16.						
Ecological:	ADJACENT TO TAILINGS PILE. LARGE STOCKPOND THAT ENCOMPASSES PART OF NATURAL DRAINAGE ON PENTZ CLAY LOAM. ASSOCIATED WITH CRYPIS SCHOENOIDES AND AMARANTHUS ALBUS.						
General:	6 PLANTS OBSERVED IN 2017. LAND MANAGER PERIODICALLY REMOVES SEDIMENT FROM STOCKPONDS PLACING THESE TAILINGS AROUND EDGE OF POND AND IN AREAS WHERE NEOSTAFIA SEEMS TO OCCUR.						
Owner/Manager:	PVT						

Search Results

34 matches found. Click on scientific name for details

Search Criteria: 9-Quad include [3712085:3712076:3712075:3712086:3812016:3812015:3712077:3712087:3812017]

CA RARE												
▲ SCIENTIFIC NAME	COMMON NAME	FAMILY	LIFEFORM	BLOOMING PERIOD	FED LIST	STATE LIST	GLOBAL RANK	STATE RANK	PLANT RANK	CA ENDEMIC	DATE ADDED	PHOTO
<u>Agrostis hendersonii</u>	Henderson's bent grass	Poaceae	annual herb	Apr-Jun	None	None	G2Q	S2	3.2		1974-01-01	 <div>©2005 Steve Matson</div>
<u>Allium tuolumnense</u>	Rawhide Hill onion	Alliaceae	perennial bulbiferous herb	Mar-May	None	None	G2	S2	1B.2	Yes	1980-01-01	 <div>© 2010 Steven Perry</div>
<u>Brodiaea pallida</u>	Chinese Camp brodiaea	Themidaceae	perennial bulbiferous herb	May-Jun	FT	CE	G1	S1	1B.1	Yes	1974-01-01	 <div>© 2014 Robert E. Preston, Ph.D.</div>
<u>Brodiaea rosea</u> ssp. <u>vallicola</u>	valley brodiaea	Themidaceae	perennial bulbiferous herb	Apr-May(Jun)	None	None	G4G5T3	S3	4.2	Yes	2019-01-07	 <div>© 2011 Steven Perry</div>
<u>Calycadenia hooveri</u>	Hoover's calycadenia	Asteraceae	annual herb	Jul-Sep	None	None	G2	S2	1B.3	Yes	1980-01-01	No Photo Available
<u>Calycadenia spicata</u>	spicate calycadenia	Asteraceae	annual herb	May-Sep	None	None	G3?	S3	1B.3		2023-04-05	 <div>© 2023 Christopher Bronny</div>
<u>Chlorogalum grandiflorum</u>	Red Hills soaproot	Agavaceae	perennial bulbiferous herb	(Apr)May-Jun	None	None	G3	S3	1B.2	Yes	1974-01-01	No Photo Available

<u>Clarkia</u> <u>rostrata</u>	beaked clarkia	Onagraceae	annual herb	Apr-May	None	None	G2G3	S2S3	1B.3	Yes	1974-01-01	No Photo Available
<u>Claytonia</u> <u>parviflora</u> ssp. <u>grandiflora</u>	streambank spring beauty	Montiaceae	annual herb	Feb-May	None	None	G5T3	S3	4.2	Yes	2006-09-29	No Photo Available
<u>Cryptantha</u> <u>mariposae</u>	Mariposa cryptantha	Boraginaceae	annual herb	Apr-Jun	None	None	G2G3	S2S3	1B.3	Yes	1974-01-01	No Photo Available
<u>Cryptantha</u> <u>spithamaea</u>	Red Hills cryptantha	Boraginaceae	annual herb	Apr-May	None	None	G2	S2	1B.3		2014-12-18	No Photo Available
<u>Delphinium</u> <u>hansenii</u> ssp. <u>ewanianum</u>	Ewan's larkspur	Ranunculaceae	perennial herb	Mar-May	None	None	G4T3	S3	4.2	Yes	1994-01-01	No Photo Available
<u>Diplacus</u> <u>pulchellus</u>	yellow-lip pansy monkeyflower	Phrymaceae	annual herb	Apr-Jul	None	None	G2	S2	1B.2	Yes	1974-01-01	 © 2018 Sierra Pacific Industries
<u>Downingia</u> <u>pusilla</u>	dwarf downingia	Campanulaceae	annual herb	Mar-May	None	None	GU	S2	2B.2		1980-01-01	 © 2013 Aaron Arthur
<u>Eriogonum</u> <u>tripodum</u>	tripod buckwheat	Polygonaceae	perennial deciduous shrub	May-Jul	None	None	G4	S4	4.2	Yes	1974-01-01	 ©2008 Steven Perry
<u>Eryngium</u> <u>pinnatisectum</u>	Tuolumne button-celery	Apiaceae	annual/perennial herb	May-Aug	None	None	G2	S2	1B.2	Yes	1974-01-01	 © 2007 Robert E. Preston, Ph.D.
<u>Eryngium</u> <u>racemosum</u>	Delta button- celery	Apiaceae	annual/perennial herb	(May)Jun- Oct	None	CE	G1	S1	1B.1	Yes	1974-01-01	No Photo Available
<u>Eryngium</u> <u>spinosepalum</u>	spiny-sepaled button-celery	Apiaceae	annual/perennial herb	Apr-Jun	None	None	G2	S2	1B.2	Yes	1980-01-01	No Photo Available
<u>Erythranthe</u> <u>marmorata</u>	Stanislaus monkeyflower	Phrymaceae	annual herb	Mar-May	None	None	G2?	S2?	1B.1	Yes	1974-01-01	No Photo Available

<u><i>Fritillaria agrestis</i></u>	stinkbells	Liliaceae	perennial bulbiferous herb	Mar-Jun	None	None	G3	S3	4.2	Yes	1980-01-01	 <div>© 2016 Aaron Schusteff</div>
<u><i>Githopsis pulchella</i> ssp. <i>serpentinicola</i></u>	serpentine bluecup	Campanulaceae	annual herb	May-Jun	None	None	G4T3	S3	4.3	Yes	2001-01-01	 <div>© 2019 Barry Breckling</div>
<u><i>Hesperevax caulescens</i></u>	hogwallow starfish	Asteraceae	annual herb	Mar-Jun	None	None	G3	S3	4.2	Yes	2001-01-01	 <div>© 2017 John Doyen</div>
<u><i>Jepsonia heterandra</i></u>	foothill jepsonia	Saxifragaceae	perennial herb	Aug-Dec	None	None	G3	S3	4.3	Yes	1994-01-01	 <div>© 2014 Belinda Lo</div>
<u><i>Lagophylla dichotoma</i></u>	forked hare- leaf	Asteraceae	annual herb	Apr-May	None	None	G2	S2	1B.1	Yes	2012-03-13	 <div>© 2010 Chris Winchell</div>
<u><i>Lomatium congdonii</i></u>	Congdon's lomatium	Apiaceae	perennial herb	Mar-Jun	None	None	G2	S2	1B.2	Yes	1974-01-01	No Photo Available
<u><i>Lupinus spectabilis</i></u>	shaggyhair lupine	Fabaceae	annual herb	Apr-May	None	None	G2	S2	1B.2	Yes	1974-01-01	No Photo Available
<u><i>Monardella venosa</i></u>	veiny monardella	Lamiaceae	annual herb	May-Jul	None	None	G1	S1	1B.1	Yes	1984-01-01	 <div>© 2007 George W. Hartwell</div>
<u><i>Navarretia paradoxiclara</i></u>	Patterson's navarretia	Polemoniaceae	annual herb	May- Jun(Jul)	None	None	G2	S2	1B.3	Yes	2016-04-27	No Photo Available
<u><i>Neostapfia colusana</i></u>	Colusa grass	Poaceae	annual herb	May-Aug	FT	CE	G1	S1	1B.1	Yes	1974-01-01	No Photo Available
<u><i>Pseudobahia bahiifolia</i></u>	Hartweg's golden sunburst	Asteraceae	annual herb	Mar-Apr	FE	CE	G1	S1	1B.1	Yes	1974-01-01	No Photo Available
<u><i>Scopelophila cataractae</i></u>	tongue-leaf copper moss	Pottiaceae	moss		None	None	G3G4	S1	2B.2		2001-01-01	No Photo Available

<u>Senecio</u> <u>clevelandii</u> var. <u>heterophyllus</u>	Red Hills ragwort	Asteraceae	perennial herb	May-Jul	None	None	G4?T2Q	S2	1B.2	Yes	1994- 01-01	No Photo Available
<u>Trichostema</u> <u>rubisepalum</u>	Hernandez bluecurls	Lamiaceae	annual herb	Jun-Aug	None	None	G4	S4	4.3	Yes	1974- 01-01	No Photo Available
<u>Verbena</u> <u>californica</u>	Red Hills vervain	Verbenaceae	perennial herb	May-Sep	FT	CT	G2	S2	1B.1	Yes	1984- 01-01	No Photo Available

Showing 1 to 34 of 34 entries

Suggested Citation:

California Native Plant Society, Rare Plant Program. 2024. Rare Plant Inventory (online edition, v9.5). Website <https://www.rareplants.cnps.org> [accessed 18 November 2024].



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Sacramento Fish And Wildlife Office

Federal Building

2800 Cottage Way, Room W-2605

Sacramento, CA 95825-1846

Phone: (916) 414-6600 Fax: (916) 414-6713



In Reply Refer To:

11/19/2024 21:58:03 UTC

Project Code: 2025-0021806

Project Name: CCWD Little John Force Main Project

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2))

(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Sacramento Fish And Wildlife Office

Federal Building

2800 Cottage Way, Room W-2605

Sacramento, CA 95825-1846

(916) 414-6600

PROJECT SUMMARY

Project Code: 2025-0021806

Project Name: CCWD Little John Force Main Project

Project Type: Wastewater Pipeline - New Constr - Below Ground

Project Description: The Calaveras County Water District (CCWD), as the California Environmental Quality Act (CEQA) Lead Agency, proposes the Little Force Main Project (proposed project), within the community of Copperopolis in unincorporated Calaveras County. CCWD proposes the installation of an approximately 27,000-foot-long wastewater force main connecting the existing Copperopolis Town Square wastewater lift station with the existing lift station located south of Oak Creek Drive in the southeastern portion of Copper Valley Specific Plan (previously known as Saddle Creek Specific Plan). CCWD also proposes upgrades to the existing Copperopolis Town Square wastewater lift station. The proposed project is needed to accommodate wastewater generated by approved residential development within the Copper Valley Specific Plan which is anticipated to generate a wastewater flow rate of 120 gallons per minute. The new 6-inch-diameter force main would connect to an existing 4-inch-diameter force main in Sawmill Creek Road and Little John Road between the lift station and holding tanks to the west. From here, the new force main would be installed in the east shoulder of Little John Road to the end of Bow Drive where it would continue on the Copper Valley Specific Plan property. The force main would be installed in the future Bow Drive extension and then be located just west of the easterly property line of the Copper Valley Specific Plan where it would angle west away from the easterly property line where it would cross Saddle Creek Drive at the existing real estate office. The new force main would then run westerly on the south side of Saddle Creek Drive to the hole 10 golf cart path and run adjacent to the cart path along holes 10 and 11 south to Oak Creek Drive where it would tie into an existing manhole that outlets to the existing CVSC main lift station. Figure 1 shows the alignment of the proposed project. CCWD also proposes to upgrade the existing Copperopolis Town Square wastewater lift station with two

50-horsepower pumps capable of pumping 150 gallons per minute of effluent each. The lift station would also be upgraded with a new backup generator with an auto transfer switch to allow pumping during power outages, a new supervisory control and data acquisition (SCADA) and pump control system, and other upgrades to the pump control building needed to bring the system up to current CCWD standards. Construction activities would include trenching to a maximum depth of 5 feet, would commence in June 2025, would take 6 months, and become operational by January 2026.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@37.945092,-120.65005553348723,14z>



Counties: Calaveras County, California

ENDANGERED SPECIES ACT SPECIES

There is a total of 9 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

REPTILES

NAME	STATUS
Northwestern Pond Turtle <i>Actinemys marmorata</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1111	Proposed Threatened

AMPHIBIANS

NAME	STATUS
California Red-legged Frog <i>Rana draytonii</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2891	Threatened
California Tiger Salamander <i>Ambystoma californiense</i> Population: U.S.A. (Central CA DPS) There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2076	Threatened
Foothill Yellow-legged Frog <i>Rana boylei</i> Population: South Sierra Distinct Population Segment (South Sierra DPS) No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5133	Endangered
Western Spadefoot <i>Spea hammondi</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5425	Proposed Threatened

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

CRUSTACEANS

NAME	STATUS
Vernal Pool Fairy Shrimp <i>Branchinecta lynchi</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/498	Threatened
Vernal Pool Tadpole Shrimp <i>Lepidurus packardii</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2246	Endangered

FLOWERING PLANTS

NAME	STATUS
Chinese Camp Brodiaea <i>Brodiaea pallida</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/8290	Threatened

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Aren Der-Gevorgian
Address: 11060 White Rock Road, Suite 200
City: Rancho Cordova
State: CA
Zip: 95670-6061
Email: adergevorgian@dewberry.com
Phone: 9168223952

4. **Attachment D Species Observed:**

Little John Force Main Project

Species Observed

COMMON NAME	SCIENTIFIC NAME
Wildlife	
Acorn woodpecker	<i>Melanerpes formicivorus</i>
Anna's hummingbird	<i>Calypte anna</i>
Black phoebe	<i>Sayornis nigricans</i>
California quail	<i>Callipepla californica</i>
California scrub jay	<i>Aphelocoma californica</i>
Common raven	<i>Corvus corax</i>
Dark-eyed junco	<i>Junco hyemalis</i>
Great blue heron	<i>Ardea herodias</i>
Great egret	<i>Ardea alba</i>
House finch	<i>Haemorhous mexicanus</i>
Killdeer	<i>Charadrius vociferus</i>
Northern flicker	<i>Colaptes auratus</i>
Oak titmouse	<i>Baeolophus inornatus</i>
Pied-billed grebe	<i>Podilymbus podiceps</i>
Ruby-crowned kinglet	<i>Corthylio calendula</i>
White-crowned sparrow	<i>Zonotrichia leucophrys</i>
Plants	
Black willow	<i>Salix nigra</i>
Blue oak	<i>Quercus douglasiana</i>
Coast live oak	<i>Quercus agrifolia</i>
Dove weed	<i>Croton setiger</i>
Foxtail brome	<i>Bromus madritensis</i>
Fremont cottonwood	<i>Populus fremontii</i>
Italian thistle	<i>Salsola tragus</i>
Milk thistle	<i>Silybum marianum</i>
Pennyroyal	<i>Mentha pulegium</i>
Ripgut brome	<i>Bromus diandrus</i>
Soft chess	<i>Bromus hordeaceus</i>
Wild oat	<i>Avena sp.</i>

ATTACHMENT C
CULTURAL RESOURCES MEMO (REDACTED)

PREPARED FOR: Kevin Williams, Calaveras County Water District

PREPARED BY: Jennifer Howry, Senior Environmental Scientist

DATE: January 15, 2025

SUBJECT: Little John Force Main Project – Cultural Resources Survey and Inventory Memorandum

1. Summary

The Calaveras County Water District (CCWD), as the California Environmental Quality Act (CEQA) Lead Agency, proposes the Little John Force Main Project (proposed project), within the community of Copperopolis in unincorporated Calaveras County. CCWD proposes the installation of an approximately 27,000-foot-long wastewater force main connecting the existing Copperopolis Town Square wastewater lift station with the existing lift station located south of Oak Creek Drive in the southeastern portion of Copper Valley Specific Plan (previously known as Saddle Creek Specific Plan). CCWD also proposes upgrades to the existing Copperopolis Town Square wastewater lift station. The proposed project is needed to accommodate wastewater generated by approved residential development within the Copper Valley Specific Plan which is anticipated to generate a wastewater flow rate of 120 gallons per minute.

This technical memorandum was prepared in compliance with the California Environmental Quality Act (CEQA) of 1970, as amended, and to support the findings of the Categorical Exemption for the proposed project. Under CEQA, a significant effect on the environment is defined as a substantial or potentially substantial adverse change in any of the physical conditions within the area affected by the project, including land, air, water, minerals, flora, fauna, ambient noise, and objects of historic or aesthetic significance (CEQA Guidelines, Section 15382). Substantial adverse changes include both physical changes to the historical resource, or to its immediate surroundings such that the significance of the historical resource would be materially impaired. Lead agencies are expected to identify potentially feasible measures to mitigate significant adverse changes in the significance of a historical resource before they approve such projects. Significant adverse change to historical resources may be avoided under CEQA (Guidelines Section 15126.4) by the incorporation of measures to the project design.

The survey was conducted on January 11, 2025, by Dewberry's Senior Archaeologist/Architectural Historian, Katie Vallaire, and Senior Environmental Scientist, Jennifer Hildebrandt. Ms. Vallaire has a B.A. in Anthropology from CSU, Chico, an M.A. in History from CSU, Sacramento, and over 20 years of cultural resources management experience in California. She qualifies in Archeology, History, and Architectural History under the Secretary of the Interior's Professional Qualification Standards (as defined in 36 CFR Part 61) and is Registered Professional Archaeologist 32791044. Ms. Hildebrandt has a M.S. in Environmental Management from the University of San Francisco, a B.S. in Anthropology from the University of California, Davis, and over 19 years of cultural resources management experience in California. She qualifies as an archaeologist under the Secretary of the Interior's Professional Qualification Standards (as defined in 36 CFR Part 61).

Twenty-seven cultural resources were identified as being adjacent to and within 1/4-mile of the Area of Potential Effects (APE). All resources identified during the record search process will not be affected by the undertaking or are no longer extant. No further consideration or these resources are warranted. No additional unrecorded pre-contact or historic-era cultural resources were observed in the APE during the pedestrian field survey.

2. Project Location and Description

The new 6-inch-diameter force main would connect to an existing 4-inch-diameter force main in Sawmill Creek Road and Little John Road between the lift station and holding tanks to the west. From here, the

new force main would be installed in the west shoulder of Little John Road, cut to the eastern shoulder just north of Quiver Street, and then turn west to the end of Bow Drive where it would continue on the Copper Valley Specific Plan property. The force main would be installed in the future Bow Drive extension and then be located just west of the easterly property line of the Copper Valley Specific Plan where it would angle west away from the easterly property line where it would cross Saddle Creek Drive at the existing real estate office. The new force main would then run westerly on the south side of Saddle Creek Drive to the hole 10 golf cart path and run adjacent to the cart path along holes 10 and 11 south to Oak Creek Drive where it would tie into an existing manhole that outlets to the existing Copper Valley Saddle Creek (CVSC) main lift station. Attachment A Figures 1 and 2 shows the alignment of the proposed project.

CCWD also proposes to upgrade the existing Copperopolis Town Square wastewater lift station with two 50-horsepower pumps capable of pumping 150 gallons per minute of effluent each. The lift station would also be upgraded with a new backup generator with an auto transfer switch to allow pumping during power outages, a new supervisory control and data acquisition (SCADA) and pump control system, and other upgrades to the pump control building needed to bring the system up to current CCWD standards.

Construction activities would include trenching to a maximum depth of 5 feet, would commence in June 2025, would take 6 months, and become operational by January 2026.

2.1 Area of Potential Effect (APE)

The APE is defined as the geographic area or areas within which an undertaking may directly or indirectly cause alterations in the character or use of historic properties. Dewberry delineated the APE based on the design of the project and the potential for the project to cause effects to cultural resources that may meet the definition of a historic property. There are no built environment resources over 50 years old within or adjacent to the APE. The APE was delineated as the area that will be directly subjected to ground disturbance during construction of undertaking, as well as staging and access areas.

The APE for the proposed undertaking measure approximately 23.6 acres. The APE consists of the project footprint including a 15-foot buffer on each side from the proposed sewer force main line, and construction access and staging areas (Attachment A Figure 3).

3. Sources Consulted

To determine the location and nature of previously recorded cultural resources and cultural resources studies within or near the project site, a records search of the California Historical Information System (CHRIS) was performed by staff at the Central California Information Center (CCaIC), California State University, Stanislaus (File No. 13117J and 13144J). The record search area encompassed the APE and a 1/4-mile radius buffer (study area). The CCaIC included custom geographic information system (GIS) maps depicting the locations of resources and reports within the study area. Results of the CCaIC records search are provided in a confidential attachment in Attachment B.

The CCaIC records search did not identify any cultural resources within the APE. Twenty-seven cultural resources (Table 1) were identified as being adjacent and within 1/4-mile of the APE. All resources will not be affected by the undertaking or are no longer extant. No further consideration or these resources are warranted.

TABLE 1. RESOURCES DOCUMENTED IN THE RECORD SEARCH AREA				
Primary NumBer	Trinomial	Age	ORIGINALLY Recorded by	Location within APE
P-05-001666	CA-CAL-001355	Prehistoric	1991 (S. STEWART, S. MORAN,	Outside the APE

TABLE 1. RESOURCES DOCUMENTED IN THE RECORD SEARCH AREA

Primary NumBer	Trinomial	Age	ORIGINALLY Recorded by	Location within APE
			Archaeological Services, Inc.); 2019 (Ian Patrick, Patrick GIS Group)	
P-05-001671	CA-CAL-001360	Prehistoric	1991 (S. Stewart, S. Moran, Archaeological Services, Inc.)	Adjacent to APE, no longer extant
P-05-001672	CA-CAL-001361H	Historic	1991 (S. Stewart, S. Moran, Archaeological Services, Inc.)	Outside the APE
P-05-002124	CA-CAL-001752H	Historic	1999 (R. George, M. Newland, A. Van Wyke, M. Jablonowski, Anthropological Studies Center Sonoma State University)	Outside the APE
P-05-002129	CA-CAL-001756H	Historic	1999 (R. George, M. Hirn, M. Jablonowski, M. Meyer, M. Newland, A. Van Wyke, K. Wooten, Anthropological Studies Center Sonoma State University); 2018 (T. Hildebrandt, Far Western Anthropological Research Group, Inc.)	Outside the APE
P-05-002277	CA-CAL-001840H	Historic	2000 (Roger Werner, ASI)	Adjacent to APE, no longer extant
P-05-002912		Historic	2003 (Paul Hampson, ASI)	Outside the APE
P-05-002913		Historic	2003 (Paul Hampson, ASI)	Outside the APE
P-05-002914		Prehistoric	2003 (Paul Hampson, ASI)	Outside the APE
P-05-002915	CA-CAL-001979	Prehistoric	2003 (Paul Hampson, ASI)	Outside the APE
P-05-002917		Historic	2003 (Paul Hampson, ASI)	Outside the APE
P-05-002919		Historic	2003 (Paul Hampson, ASI)	Outside the APE
P-05-002920		Historic	2003 (Paul Hampson, ASI)	Outside the APE
P-05-002921		Historic	2003 (Paul Hampson, ASI)	Outside the APE
P-05-002922		Historic	2003 (Paul Hampson, ASI)	Outside the APE
P-05-002923		Historic	2003 (Paul Hampson, ASI)	Outside the APE
P-05-003177		Historic	2002 (Paul Hampson, Jay Flaherty, ASI)	Outside the APE
P-05-003182		Historic	2002 (Paul Hampson, Jay Flaherty, ASI); 2006 (S. Schneyder, D. Gilmour, Jones & Stokes)	Outside the APE

TABLE 1. RESOURCES DOCUMENTED IN THE RECORD SEARCH AREA				
Primary NumBer	Trinomial	Age	ORIGINALLY Recorded by	Location within APE
P-05-003183		Historic	2002 (Paul Hampson, Jay Flaherty, ASI)	Outside the APE
P-05-003184		Historic	2002 (Paul Hampson, Jay Flaherty, ASI)	Outside the APE
P-05-003186		Historic	2002 (Paul Hampson, Jay Flaherty, ASI)	Outside the APE
P-05-003213		Historic	2002 (Paul Hampson, Jay Flaherty, ASI)	Adjacent to APE, no longer extant
P-05-003220		Historic	2002 (Paul Hampson, Jay Flaherty, ASI)	Outside the APE
P-05-003247		Historic	2002 (Paul Hampson, Jay Flaherty, ASI)	Outside the APE
P-05-003311		Historic	2002 (Paul Hampson, Jay Flaherty, ASI); 2006 (S. Ashkar, Jones & Stokes)	Outside the APE
P-05-003403		Historic	2006 (S. Ashkar, Jones & Stokes)	Outside the APE
P-05-000081		Prehistoric	1991 (Suzanne Stewart, CA-01446 Archaeological Services, Inc.)	Adjacent to APE, no longer extant

The CCalC identified 10 studies that had previously been conducted within portions of the APE, and six studies previously conducted within 1/4-mile of the APE.

4. Background

4.1 Environmental Setting

The undertaking is located in the lower western foothills of the Central Sierra Nevada in Copperopolis, Calaveras County. It is approximately 6 miles southwest of New Melones Reservoir and approximately 0.75 miles west of Lake Tulloch.

The dominant plants in the APE consist of blue oak, coastal live oak, Fremont cottonwood, broadleaf cattail, and various brome species. Aquatic resources in the APE included several ephemeral or intermittent drainages that crossed beneath Little John Road and areas of cattail marsh associated with golf course ponds.

Geologically, the APE is located on a low hill marine landform that dates to the Jurassic period (Rogers 1966, Jennings et al. 2010). Based on the landform age, type, soil complex, and previous disturbances in the APE, there is an overall low sensitivity for buried archaeological deposits.

4.2 Cultural Setting

Precontact occupation in Calaveras County has been found to date back as long as 12,000 years ago. The project study area falls within the territory of the Native American group the Central Sierra Miwok. Each tribelet within the Miwok was considered a sovereign nation, taking claim to the natural resources within their territory. Although each tribelet had their own permanently inhabited settlements, they utilized seasonal camps to take advantage of seasonal rounds of hunting, fishing, and gathering (Levy 1978).

Although permanent camps occurred with the Miwok tribes, temporary occupation sites were revisited every year to seek the resources associated with the given area and season. The Central Sierra Miwok

resided in the Sierra Nevada and its foothills. The Miwok utilized a subsistence pattern that focused on prominent resources within the area. Major types of flora that was sought after were seeds, nuts, tubers, roots, berries, fungi, greens and herbs (Basgall & Overly n.d., Levy 1978). The Miwok's diet utilized game, which primarily included hare, rabbit, deer, bear, antelope and elk, as well as fish and waterfowl.

The first recorded visit by a European to the area now known as Calaveras and Tuolumne counties was made in October 1806, when Ensign Gabriel Moraga, with his diarist and chaplain, Padre Pedro Mufioz, visited the Stanislaus River area on their search for potential inland mission sites. Historic-period activity began in earnest soon after Marshall's discovery of gold on the American River in January of 1848-an event that forever changed the faces of Calaveras County and its physical and cultural landscapes (Rosenthal et al. 2008).

Copperopolis, originally called Copper Canyon, was established in 1860 when silver miner Hiram Hughes found high-grade copper at Quail Hill. Copperopolis grew exponentially within the next seven years as it proved to be a thriving copper mining town. Towns in Calaveras County such as Murphys, Angels Camp, and Mokelumne Hill had already been established during the Gold Rush, but placer mining in the area declined once copper mining took over in the 1860s.

As Copperopolis grew into a thriving town and California became known as the land of opportunity, people from all over the world migrated to the western state with family and friends. Many who didn't strike it rich in mining pursuits settled in the area and turned to farming and stock raising.

5. Survey Methods and Findings

A cultural resources pedestrian survey was conducted on January 11, 2025, by Dewberry Senior Archaeologist/Architectural Historian, Katie Vallaire and Senior Environmental Scientist, Jennifer Hildebrandt. Fieldwork consisted of 10-meter transects within all portions of the APE. Visibility within the APE was approximately 5 to 30 percent due to grass and gravel. Surface scrapes were conducted in heavily vegetated areas. Topography was rolling hills with signs of previous ground disturbances. Evidence of prior ground disturbances include roadway, golf course construction, grading, ground movement, and utility undergrounding.

No previously undocumented pre-contact or historic-era cultural resources were identified within the APE during the survey.

6. Findings

As mentioned above, no previously undocumented pre-contact or historic-era cultural resources were identified, as a result, of this study. Based on previous cultural resources studies conducted within and near the APE and the cultural resources pedestrian survey conducted for this study, the undertaking is not likely to cause a substantial adverse change in the significance of an historical resource and the CEQA Categorical Exemption is not negated by an exception pursuant to CEQA Guidelines, Section 15300.2, and Public Resources Code, Section 21084.

6.1 Unanticipated Finds of Human Remains

If human remains are encountered during project implementation, the California Health and Safety Code (HSC) requires that excavation be halted in the immediate area, and that the county coroner be notified to determine the nature of the remains. The coroner is required to examine the remains within 48 hours of receiving notice of the discovery on private or state lands (HSC Section 7050.5[b]). If the coroner determines that the remains are those of a Native American, they must contact the NAHC by phone within 24 hours of making that determination (HSC Section 7050.5[c]).

The responsibilities of the NAHC for acting upon notification of a discovery of Native American human remains are identified within the California Public Resources Code (PRC Section 5097.9). The NAHC is responsible for immediately notifying the person it believes is the Most Likely Descendant (MLD) of the Native American remains. With permission of the legal landowner(s), the MLD may visit the site and make recommendations regarding the treatment and disposition of the human remains and any associated grave goods. This visit should be conducted within 24 hours of their notification by the NAHC (PRC Section 5097.98[a]). If an agreement for treatment of the remains cannot be resolved satisfactorily, any of the parties may request mediation by the NAHC (PRC Section 5097.94[k]). Should mediation fail, the landowner or the landowner's representative must re-inter the remains and associated items with appropriate dignity on the property in a location not subject to further subsurface disturbance (PRC Section 5097.98[b]).

7. References

- Basgall, M., and S.A. Overly
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1978 Eastern Miwok. In California, edited by R.F. Heizer, pp. 398-413. Handbook of North American Indians, Vol. 8, W.C. Sturtevant, general editor. Smithsonian Institute, Washington, D.C.
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1966 *Geologic Map of California: San Jose Sheet*. California Division of Mines and Geology. Army Corps of Engineers, Washington D.C.
- Rosenthal, Jeffrey, et al.
2008 Cultural Resources Survey and Evaluation for the Tuscany Hills Project, Lake Tulloch, Calaveras County. Report on file at the California Historical Resources Information Center, California State University, Sacramento.

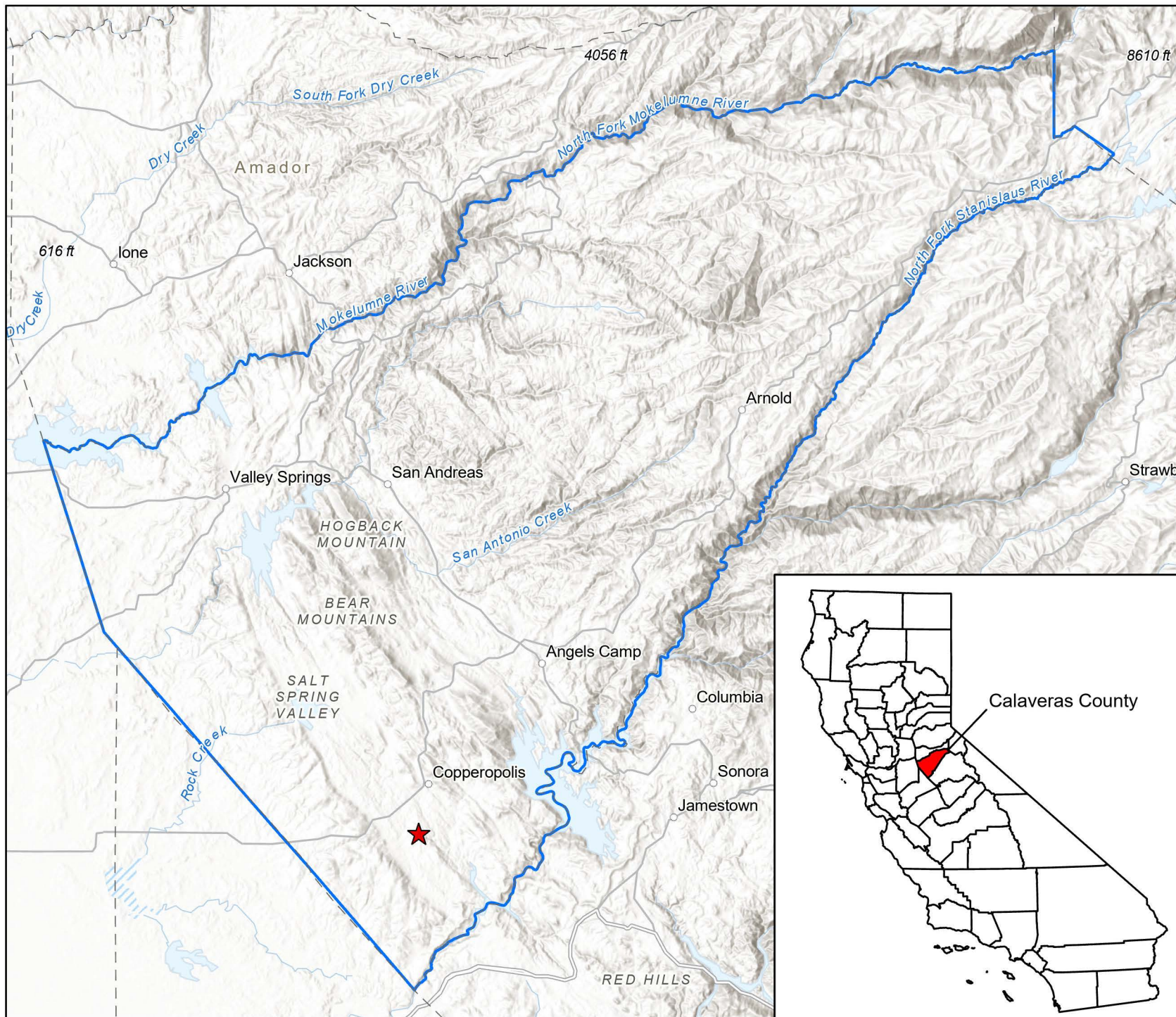
8. Attachments

Attachment A: Figures

Attachment B: Record Search

8.1 Attachment A Figures

Regional Location



Little John Force Main
Calaveras County, CA

Figure 1

Legend

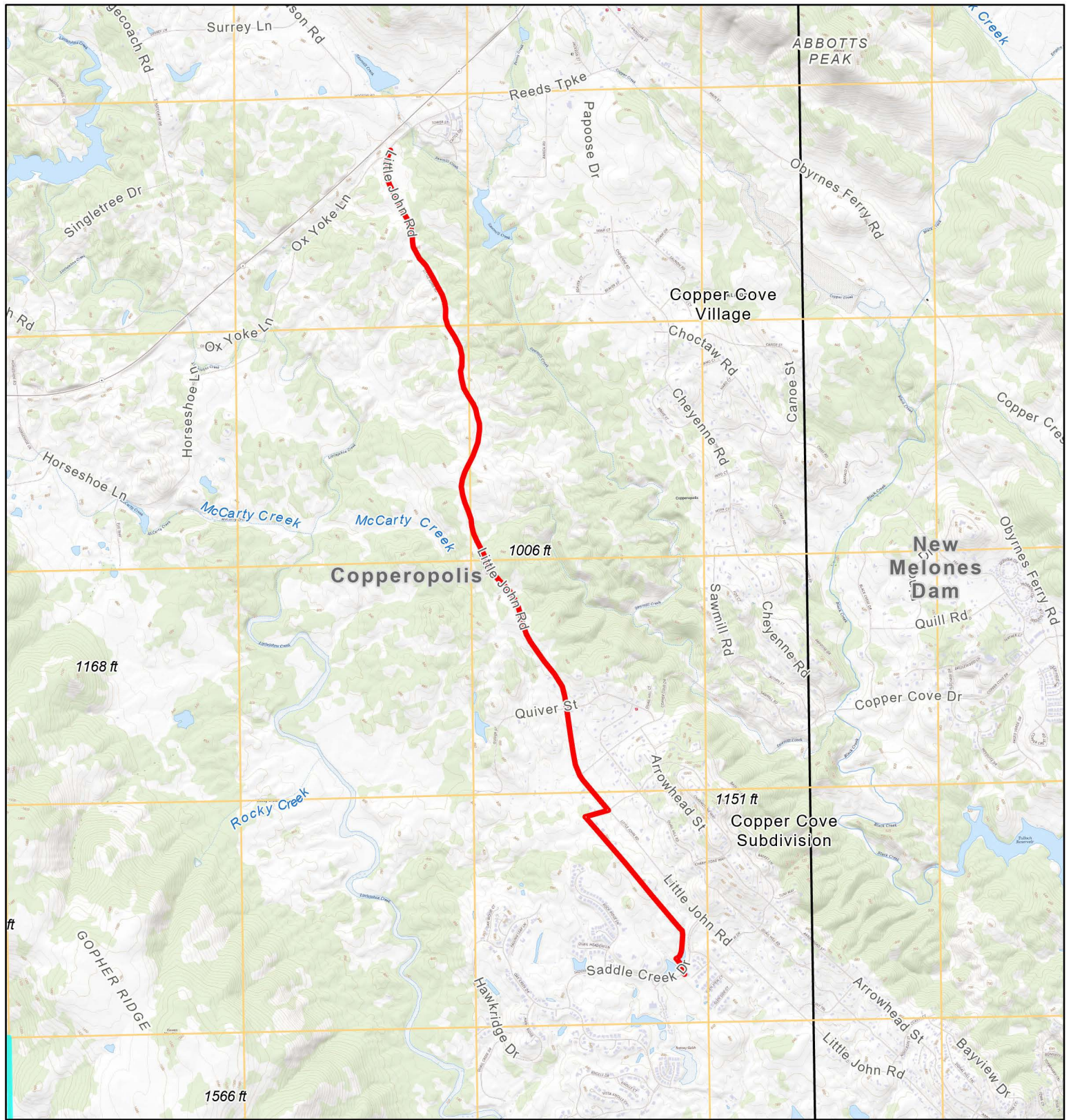
- ★ Project Location
- Calaveras County

0 6
Miles



Author: A. Lloyd
Last updated on Tuesday, November
19, 2024





USGS 7.5 Minute Map

Figure 2

Copperopolis, California 7.5- minute Quadrangle, 2021
T01N, R12E, Sections 3, 4, 9, 10, 15, 16, 21, and 22
Calaveras County, CA

 Little John Force
Main Alignment

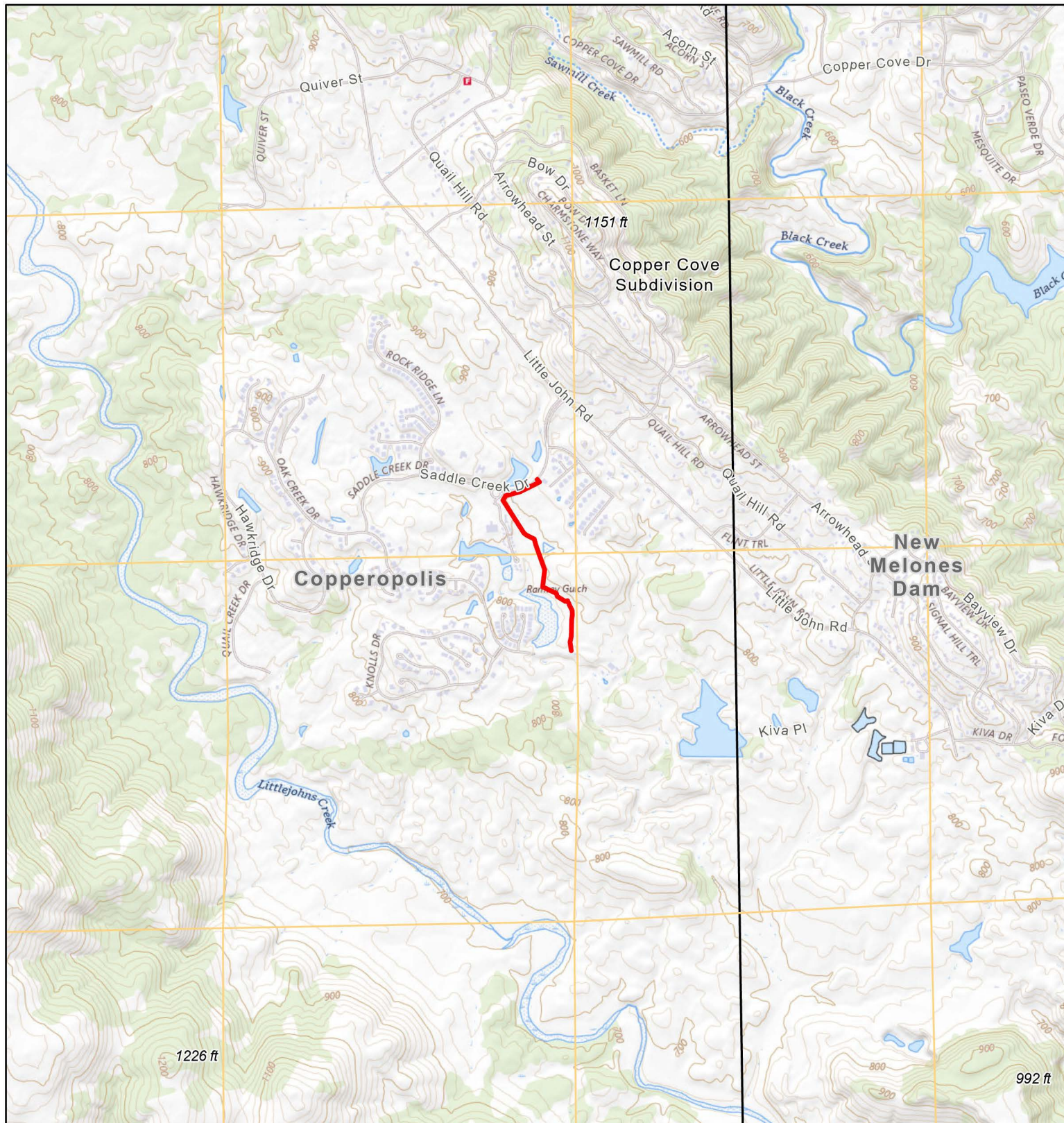
 Project Location

Author: A. Lloyd
Last updated on Tuesday,
November 19, 2024



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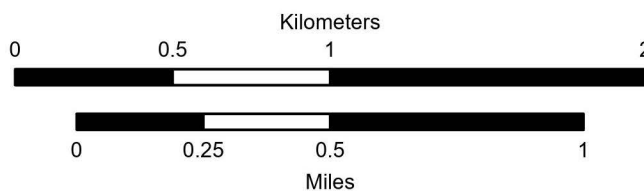
USGS 7.5 Minute Map

Figure 2

Copperopolis, California 7.5- minute Quadrangle, 2021
T01N, R12E, Sections 22 and 27
Calaveras County, CA

- Little John Force Main Alignment - South Section
- ★ Project Location

Author: A. Lloyd
Last updated on Tuesday,
December 3, 2024



1:24,000




Project Vicinity



Little John Force Main
Calaveras County, CA

Figure 3
Page 1

Legend

 Area of Potential Effect
(23.6 ac)

0 800
Feet



Author: A. Lloyd
Last updated on Thursday, January
16, 2025




Project Vicinity

Little John Force Main
Calaveras County, CA

Figure 3
Page 2

Legend

 Area of Potential Effect
(23.6 ac)

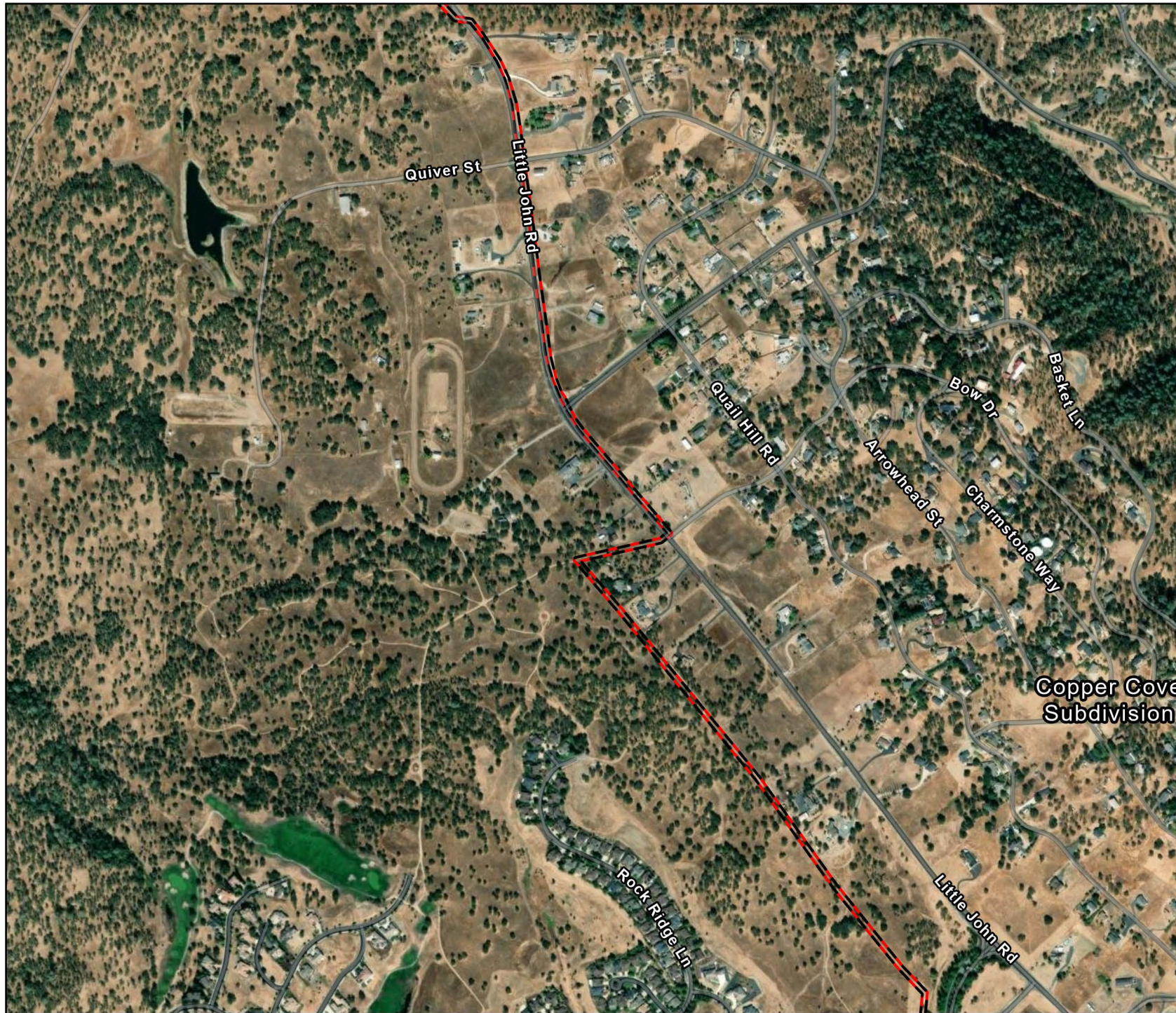
0 800
Feet



Author: A. Lloyd
Last updated on Thursday, January
16, 2025




Project Vicinity



Little John Force Main
Calaveras County, CA

Figure 3
Page 3

Legend

 Area of Potential Effect
(23.6 ac)

0 800
Feet




Author: A. Lloyd
Last updated on Thursday, January
16, 2025

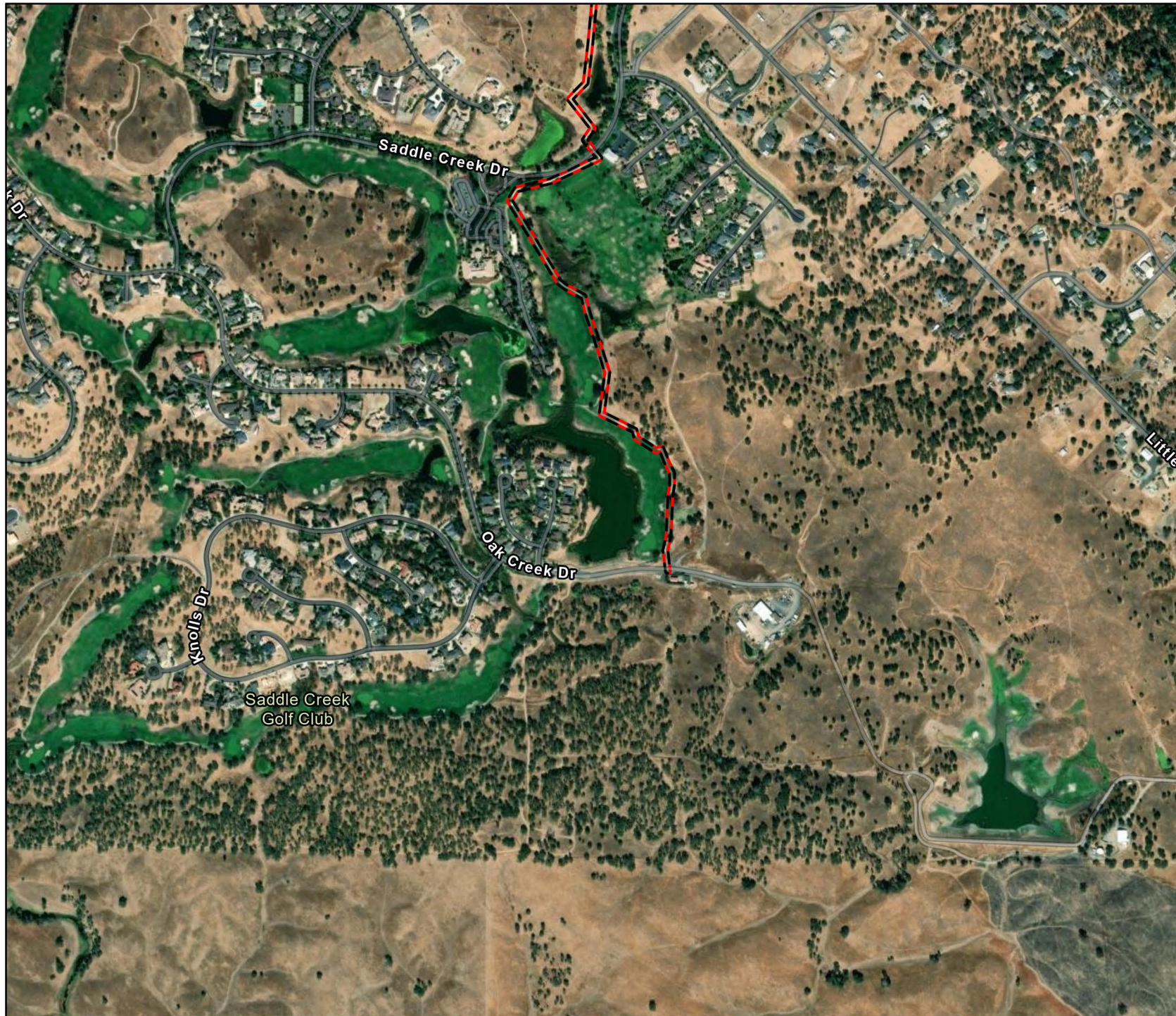
Project Vicinity

Little John Force Main
Calaveras County, CA

Figure 3
Page 4

Legend

 Area of Potential Effect
(23.6 ac)



0 800
Feet



Author: A. Lloyd
Last updated on Thursday, January
16, 2025

 **Dewberry**

8.2 Attachment B Record Search (CONFIDENTIAL)

Confidential Information

Archaeological and other cultural resources might be damaged or destroyed when there is uncontrolled public disclosure of their whereabouts. Archaeological site locations and culturally sensitive information is considered confidential and public access to this information is restricted to those who need to know by state and federal law. Any references in this report to cultural resources location, character and ownership shall be omitted before public review.

Information regarding the location, character or ownership of a historical resource is exempt from the Freedom of Information Act pursuant to Section 304 of the National Historic Preservation Act [16 U.S.C. 470w-3], 36 CFR 800(6)(a)(5) and 36 CFR 800.11(c); Section 9 (a) of the Archaeological Resources Protection Act; Executive Order 13007; Section 6254.10 of the California State Government Code; and the 2005 California Senate Bill 922.

Records maintained or in possession of the Native American Heritage Commission, State and local agencies that are also exempt from public disclosure include those that contain information on Native American graves, cemeteries and sacred places, and included records obtained during consultation with Native Americans pursuant to California Government Code 6254(r) and 6254.10.

ATTATCHMENT D
PLAN SET

COPPER VALLEY FORCE MAIN IMPROVEMENT PLANS

PHASE I

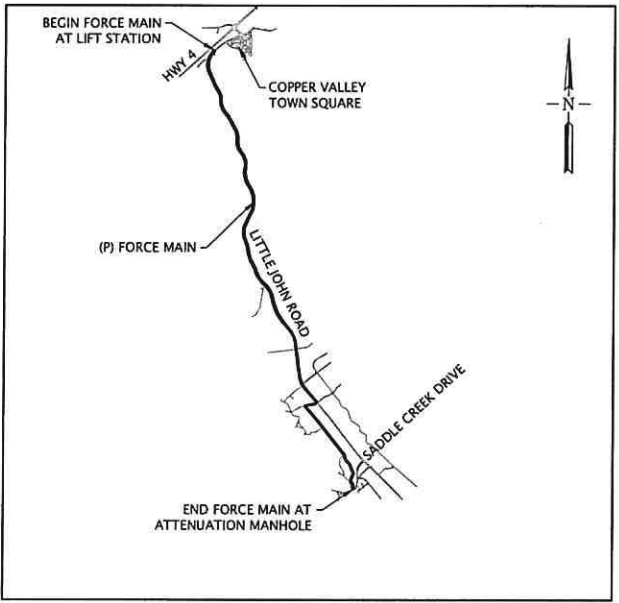
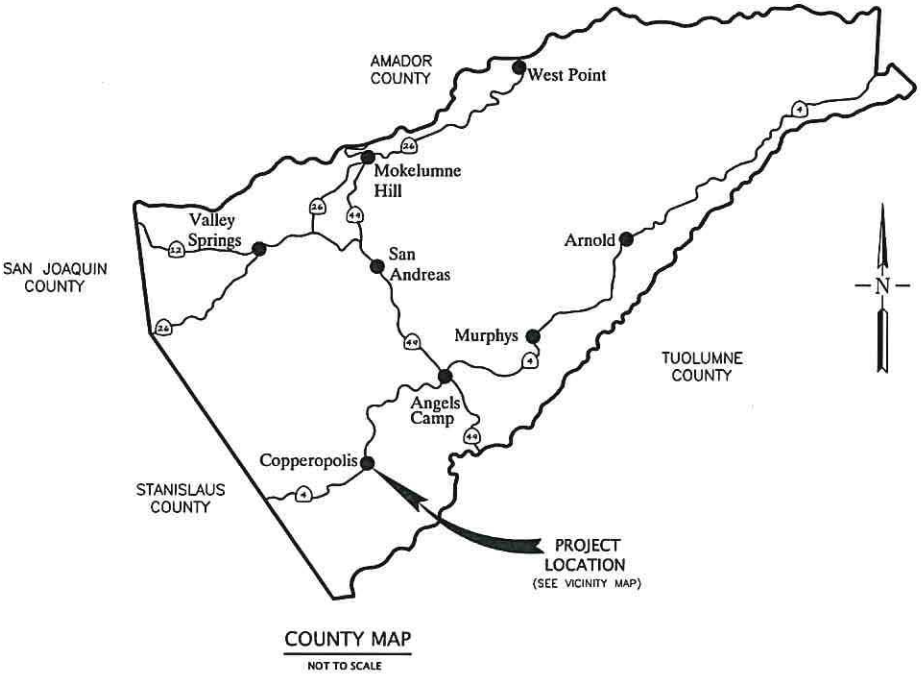
COPPEROPPOLIS, CA
CALAVERAS COUNTY
AUGUST 2023

CIVIL SHEET INDEX:

G-00	TITLE SHEET, VICINITY MAP & LOCATION MAP
C-01	CIVIL GENERAL NOTES, ABBREVIATIONS, LEGENDS & SYMBOLS
C-02	KEY MAP BASIS OF SURVEY
C-03	LIFT STATION - ACCESS ROAD IMPROVEMENT PLAN
C-04	FORCE MAIN - PLAN AND PROFILE, STA: 10+00 TO STA: 20+00
C-05	FORCE MAIN - PLAN AND PROFILE, STA: 20+00 TO STA: 30+00
C-06	FORCE MAIN - PLAN AND PROFILE, STA: 30+00 TO STA: 40+00
C-07	FORCE MAIN - PLAN AND PROFILE, STA: 40+00 TO STA: 50+00
C-08	FORCE MAIN - PLAN AND PROFILE, STA: 50+00 TO STA: 60+00
C-09	FORCE MAIN - PLAN AND PROFILE, STA: 60+00 TO STA: 70+00
C-10	FORCE MAIN - PLAN AND PROFILE, STA: 70+00 TO STA: 80+00
C-11	FORCE MAIN - PLAN AND PROFILE, STA: 80+00 TO STA: 90+00
C-12	FORCE MAIN - PLAN AND PROFILE, STA: 90+00 TO STA: 100+00
C-13	FORCE MAIN - PLAN AND PROFILE, STA: 100+00 TO STA: 110+00
C-14	FORCE MAIN - PLAN AND PROFILE, STA: 110+00 TO STA: 120+00
C-15	FORCE MAIN - PLAN AND PROFILE, STA: 120+00 TO STA: 130+00
C-16	FORCE MAIN - PLAN AND PROFILE, STA: 130+00 TO STA: 140+00
C-17	FORCE MAIN - PLAN AND PROFILE, STA: 140+00 TO STA: 150+00
C-18	FORCE MAIN - PLAN AND PROFILE, STA: 150+00 TO STA: 160+00
C-19	FORCE MAIN - PLAN AND PROFILE, STA: 160+00 TO STA: 170+00
C-20	FORCE MAIN - PLAN AND PROFILE, STA: 170+00 TO STA: 180+00
C-21	FORCE MAIN - PLAN AND PROFILE, STA: 180+00 TO STA: 190+00
C-22	FORCE MAIN - PLAN AND PROFILE, STA: 190+00 TO STA: 200+00
C-23	FORCE MAIN - PLAN AND PROFILE, STA: 200+00 TO STA: 210+00
C-24	FORCE MAIN - PLAN AND PROFILE, STA: 210+00 TO STA: 220+00
C-25	FORCE MAIN - PLAN AND PROFILE, STA: 220+00 TO STA: 224+00 AND ATTENUATION MANHOLE SITE IMPROVEMENT PLAN
C-26	LIFT STATION PLAN AND PROFILE
C-27	LIFT STATION DETAILS
C-28	CIVIL DETAILS
C-29	CONTROL BUILDING PLAN AND ELEVATIONS
C-30	CONTROL BUILDING DETAILS

ELECTRICAL SHEET INDEX:

E1	E
E2	E
E3	E
E4	E
E5	E
E6	E
E7	E
E8	E
E9	E
E0	E
E11	E
E12	E

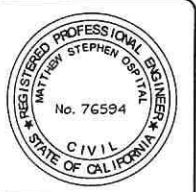


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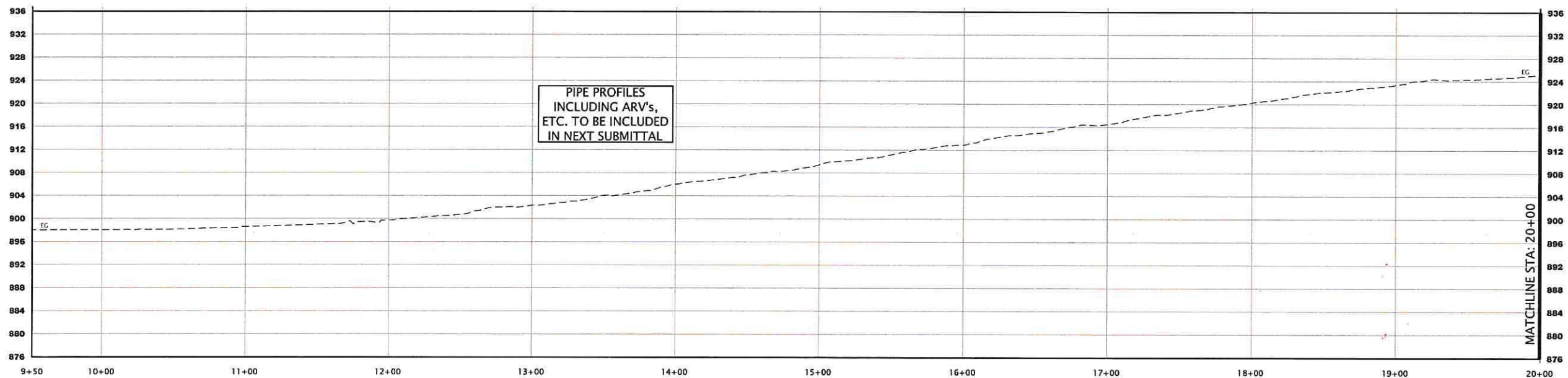
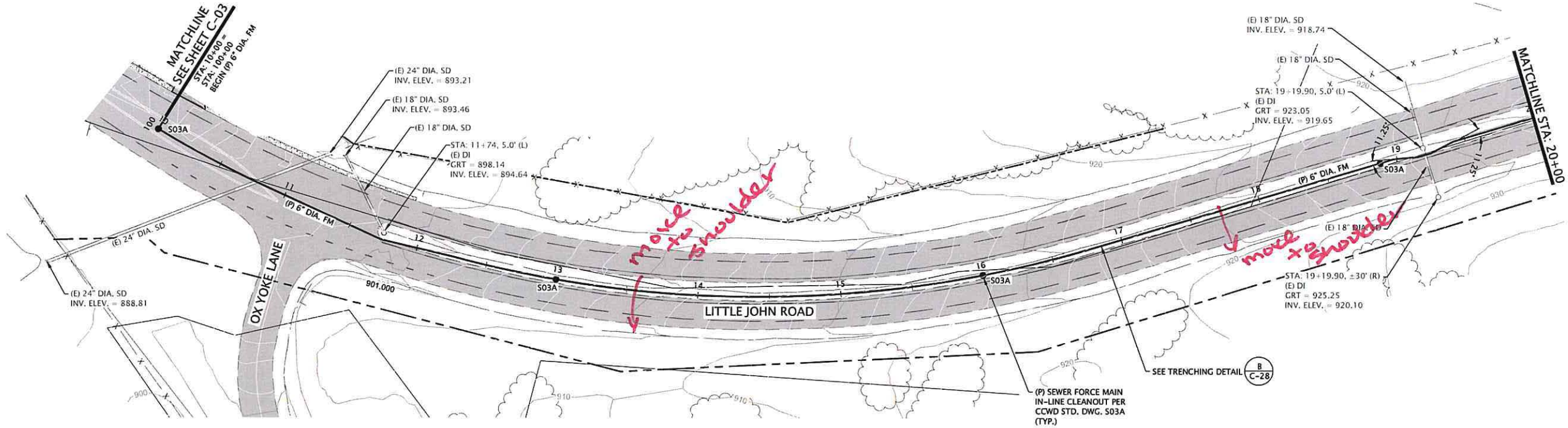
WSA **WEBER, GHIO**
ASSOCIATES
civil engineering consultant
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(209) 754-1824

COPPER VALLEY
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PHASE I
CALAVERAS COUNTY CALIFORNIA



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**FORCE MAIN
PLAN AND PROFILE**

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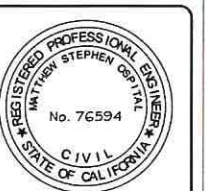
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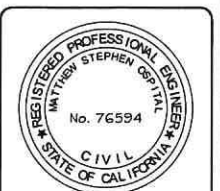
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PHASE I**

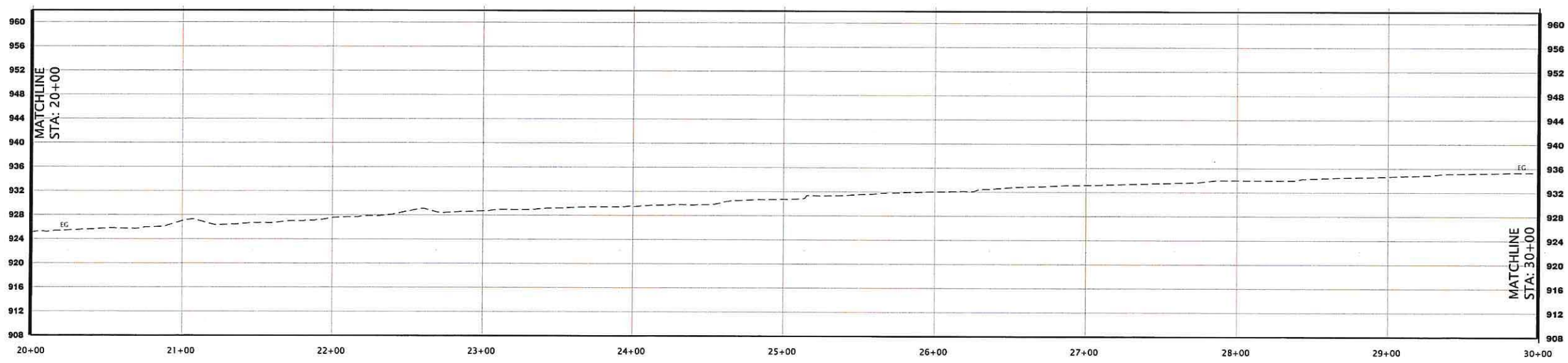
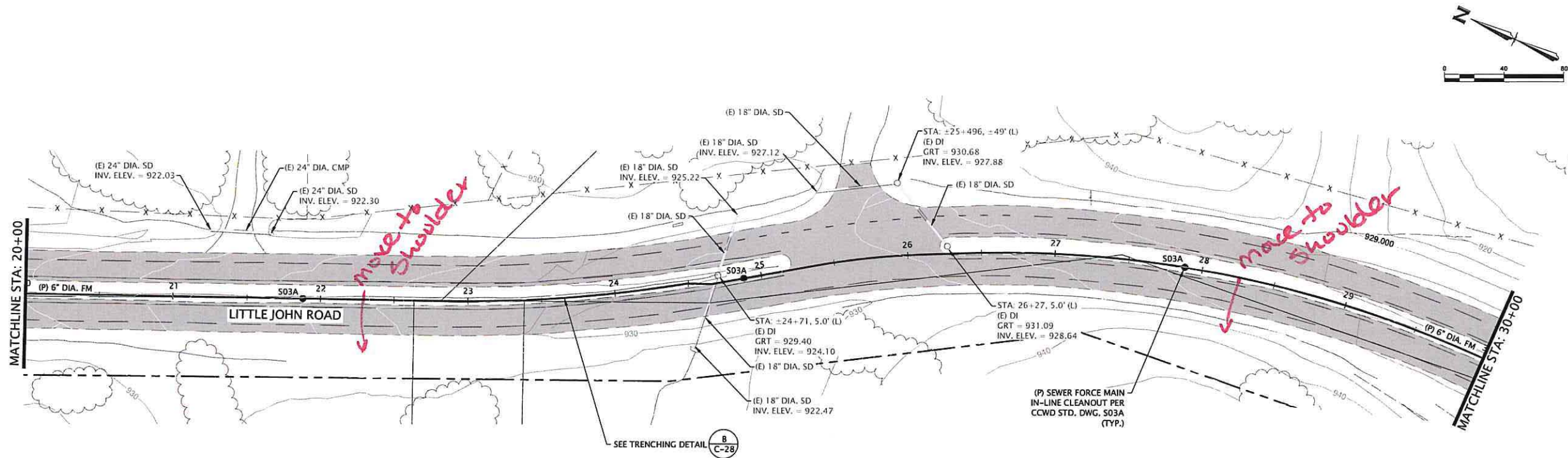
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SHT. 5 of SHT. 31



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VERT. SCALE: 1" = 10'

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 PHASE I**

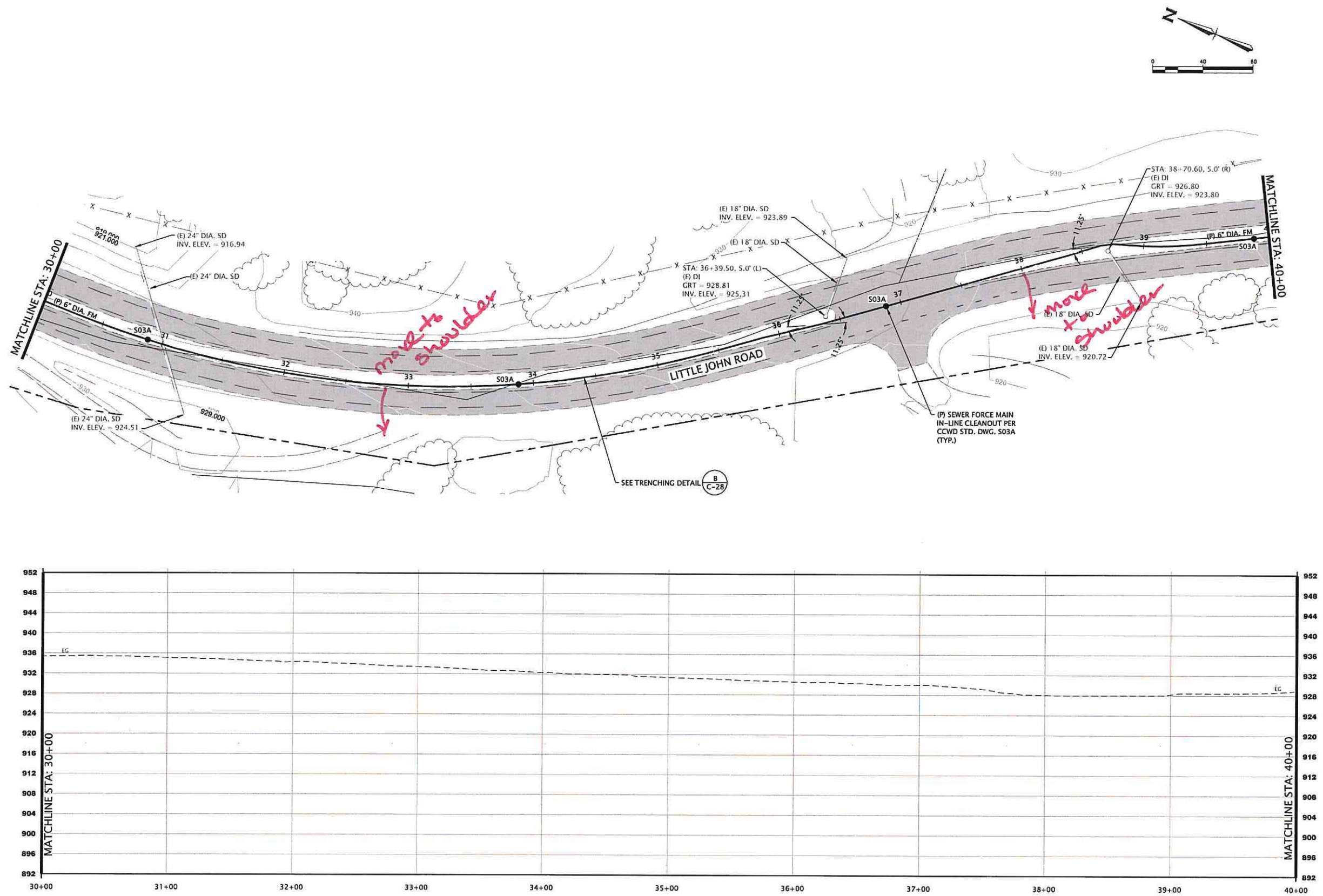
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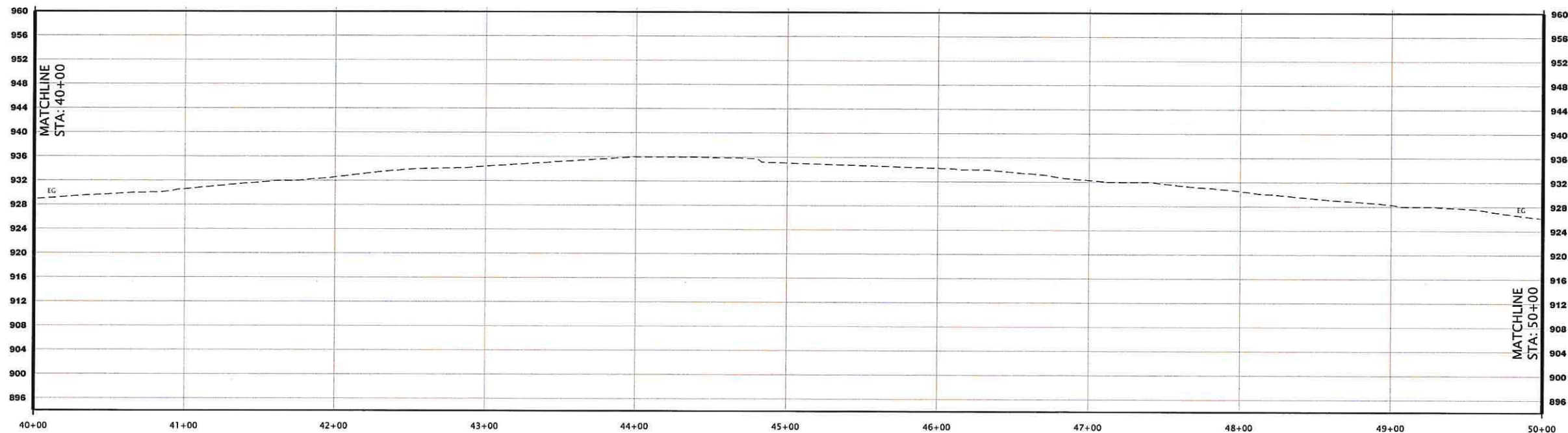
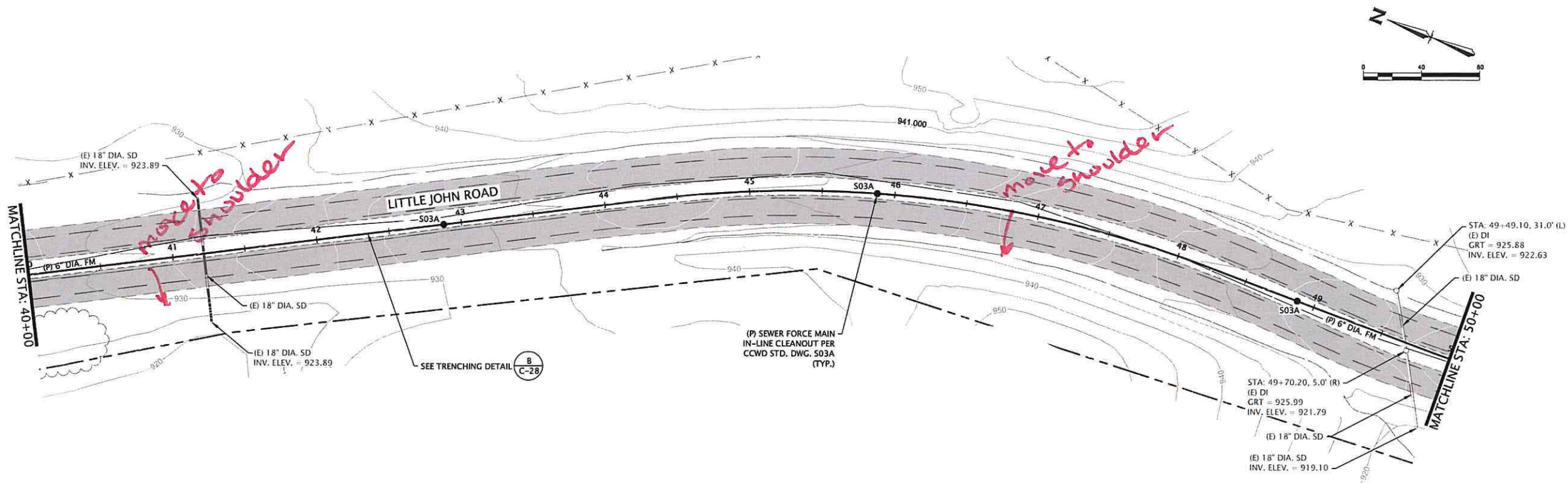
SHT. 6 of SHT. 31



**FORCE MAIN
 PLAN AND PROFILE**

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FORCE MAIN PLAN AND PROFILE

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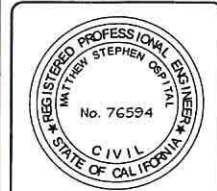
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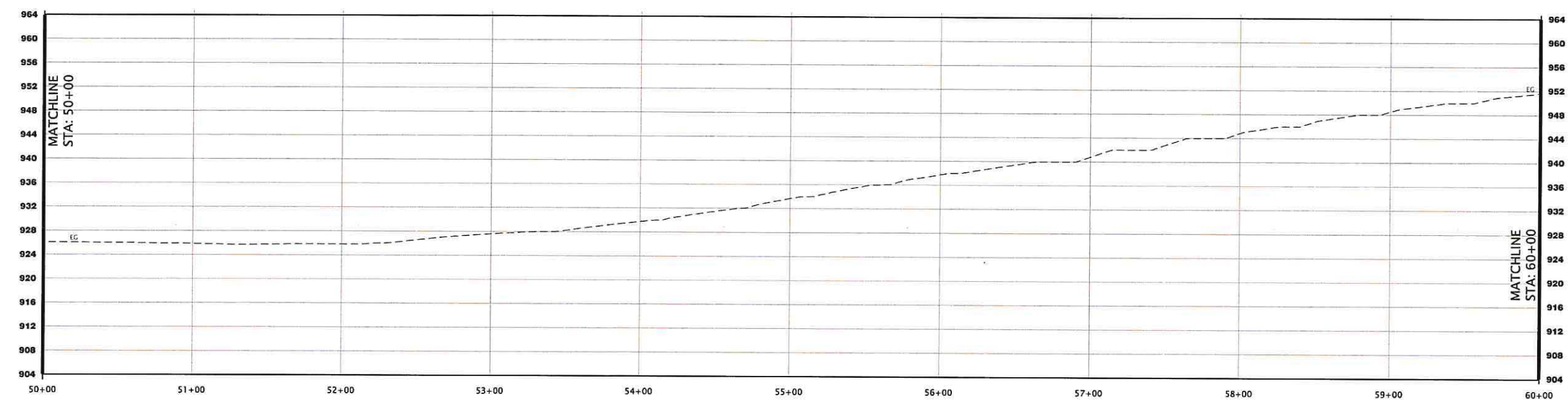
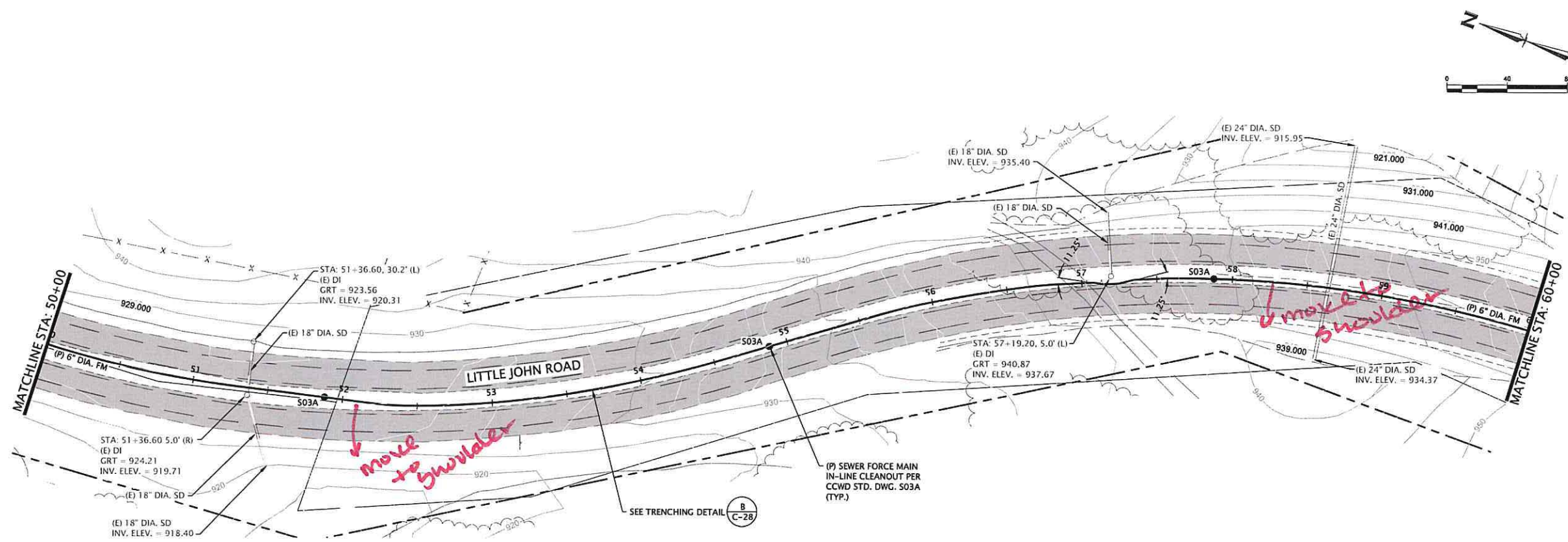
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civil engineering consultant
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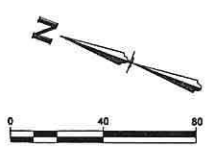
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SHT. 7 of SHT. 31



FORCE MAIN
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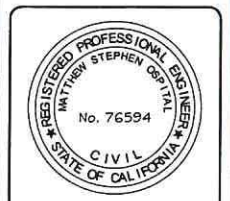
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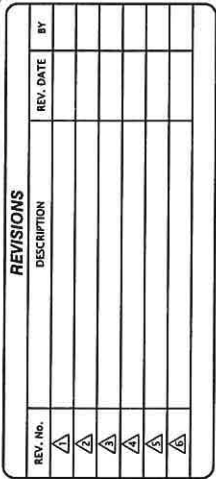
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PHASE I
CALAVERAS COUNTY CALIFORNIA



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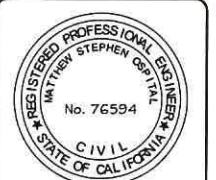
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SHT. 8 of SHT. 31



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FORCE MAIN
IMPROVEMENT PLANS,
PHASE I**

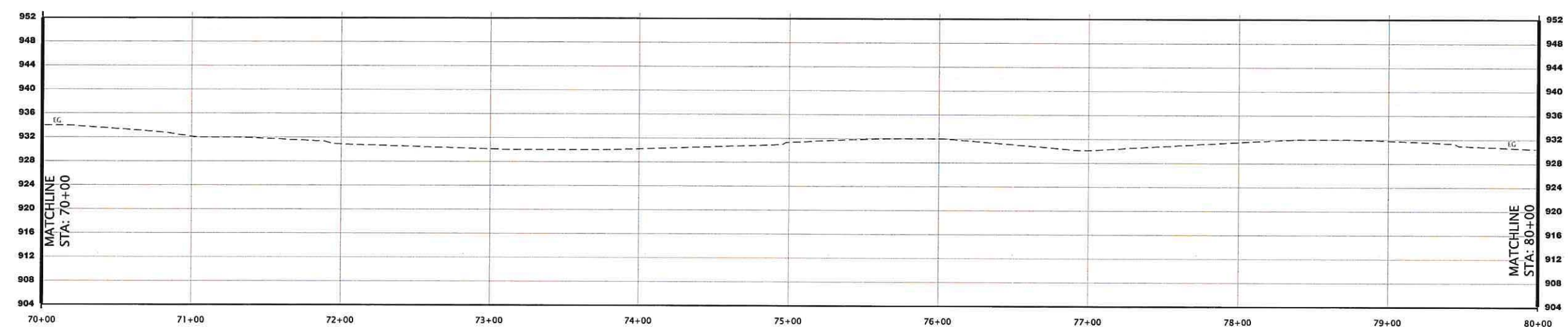
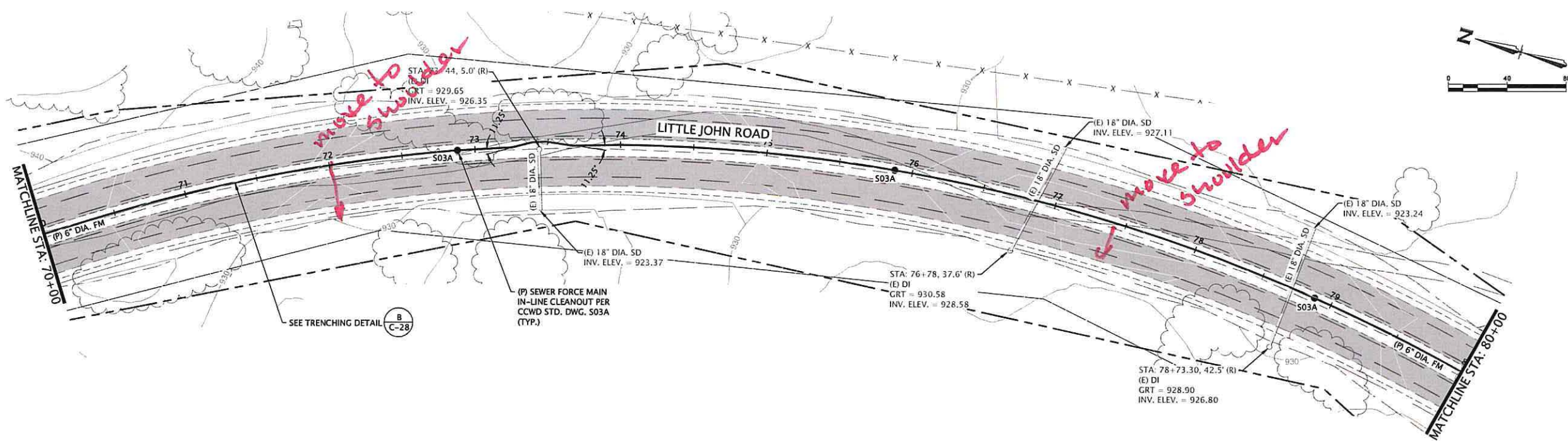


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SHT. 9 of SHT. 31

50% PLANS



FORCE MAIN
PLAN AND PROFILE
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 10'

FORCE MAIN - PLAN AND PROFILE, STA: 70+00 TO STA: 80+00

50% PLANS

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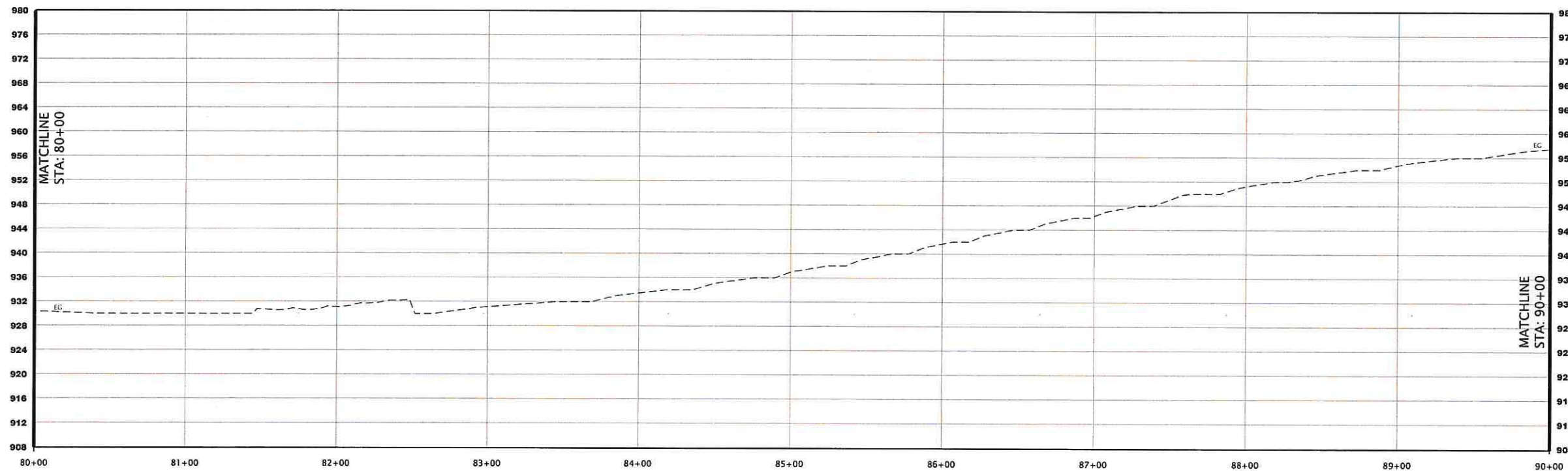
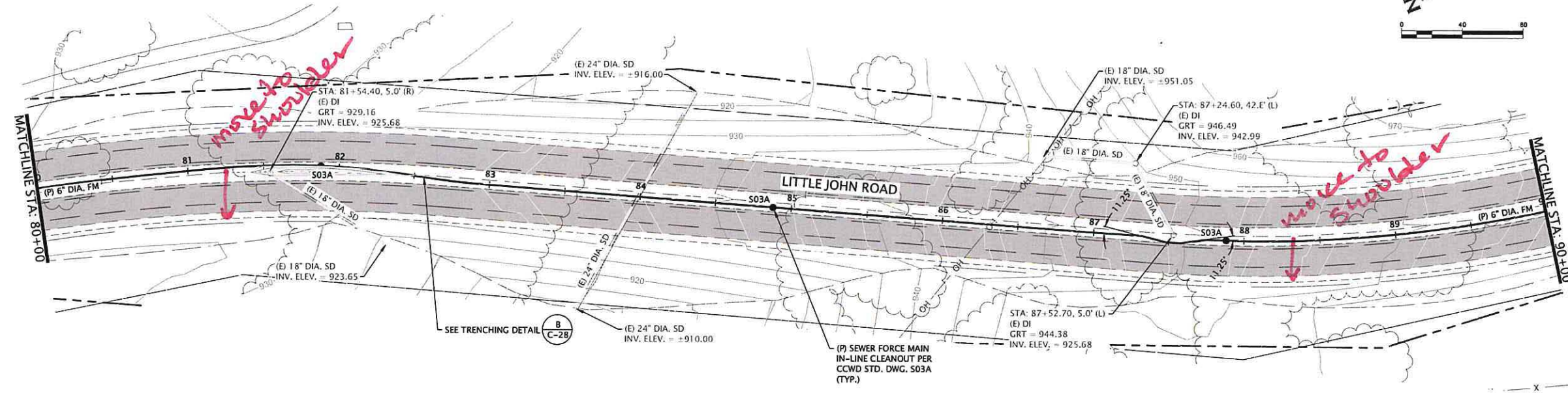
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FORCE MAIN
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PHASE I
CALAVERAS COUNTY CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
MATTHEW STEPHEN CRITAL
No. 76594
CIVIL
STATE OF CALIFORNIA

PRJ. No.: 2986
DATE: 08/22/2023
SCALE: AS SHOWN
DRAWN BY: DMV
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C-10
SHT. 10 of SHT. 31



FORCE MAIN
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VERT. SCALE: 1" = 10'

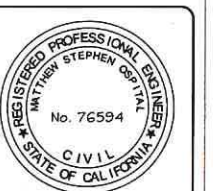
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50% PLANS

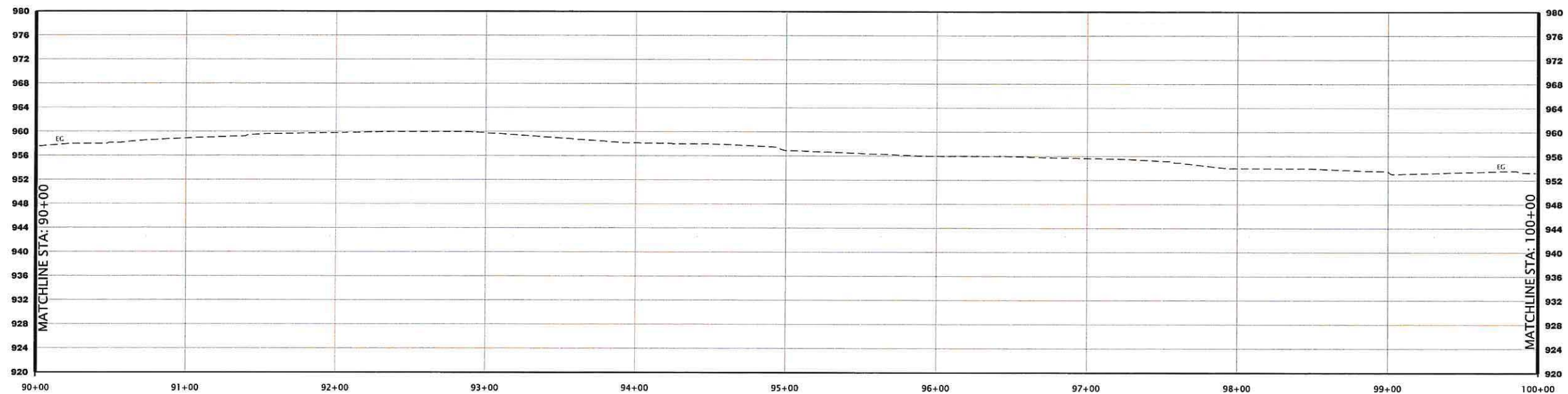
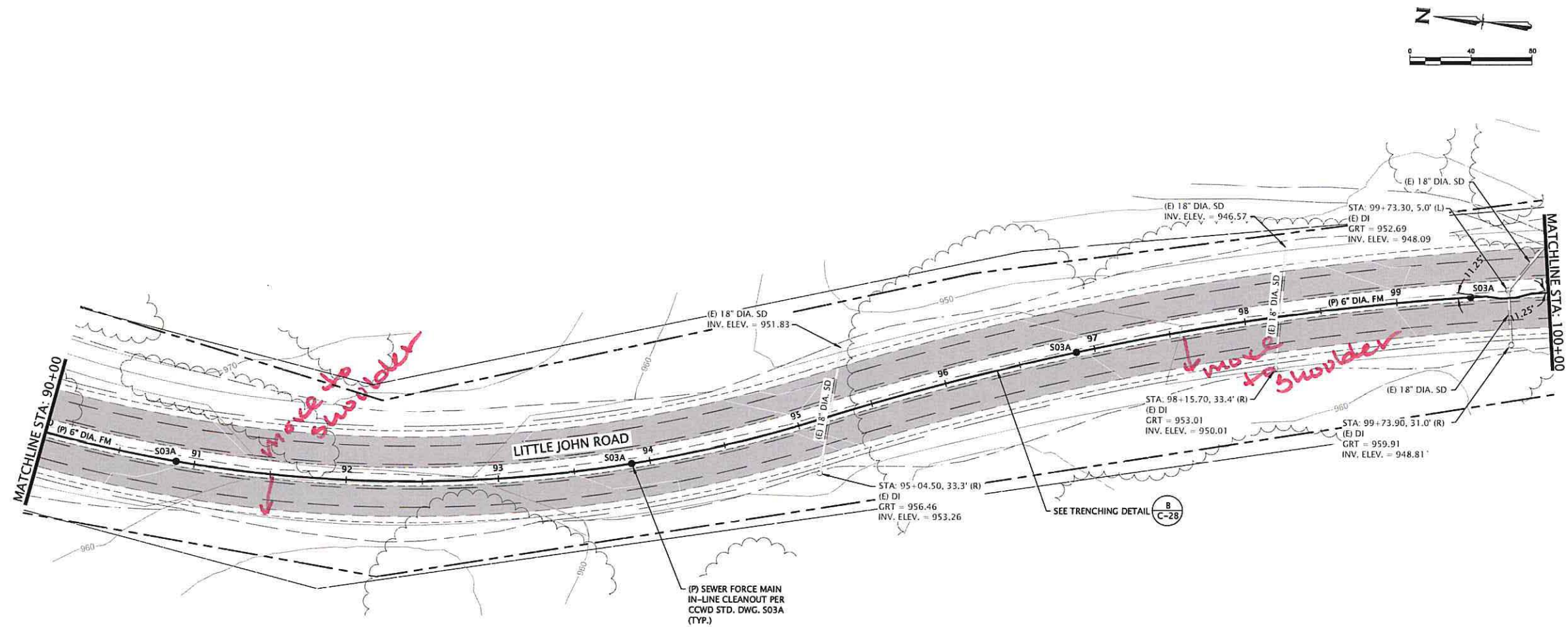
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**COPPER VALLEY
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PHASE I**
CALAVERAS COUNTY CALIFORNIA



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FORCE MAIN PLAN AND PROFILE

HORZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 10'

FORCE MAIN - PLAN AND PROFILE, STA: 90+00 TO STA: 100+00

50% PLANS

REVISIONS

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COPPER VALLEY
FORCE MAIN
IMPROVEMENT PLANS,
PHASE I

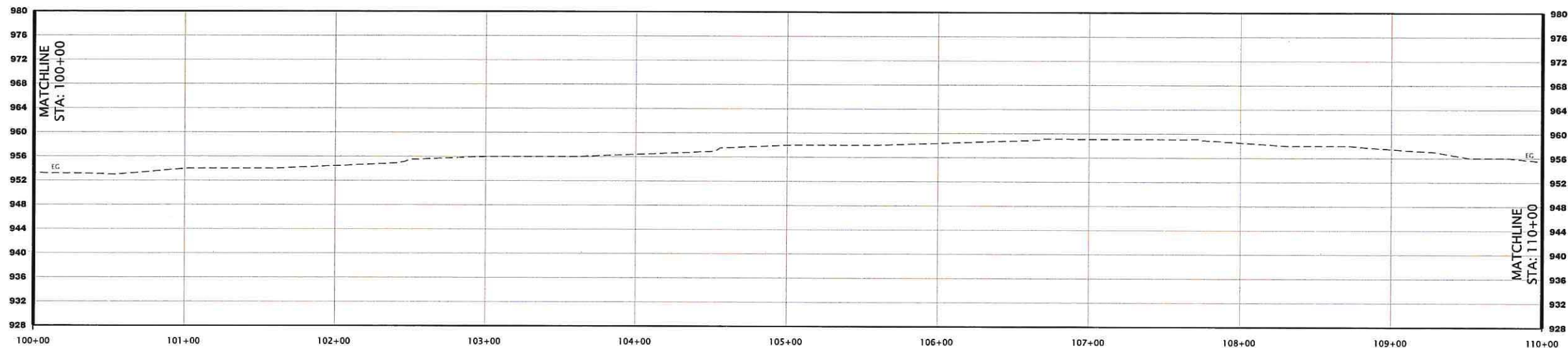
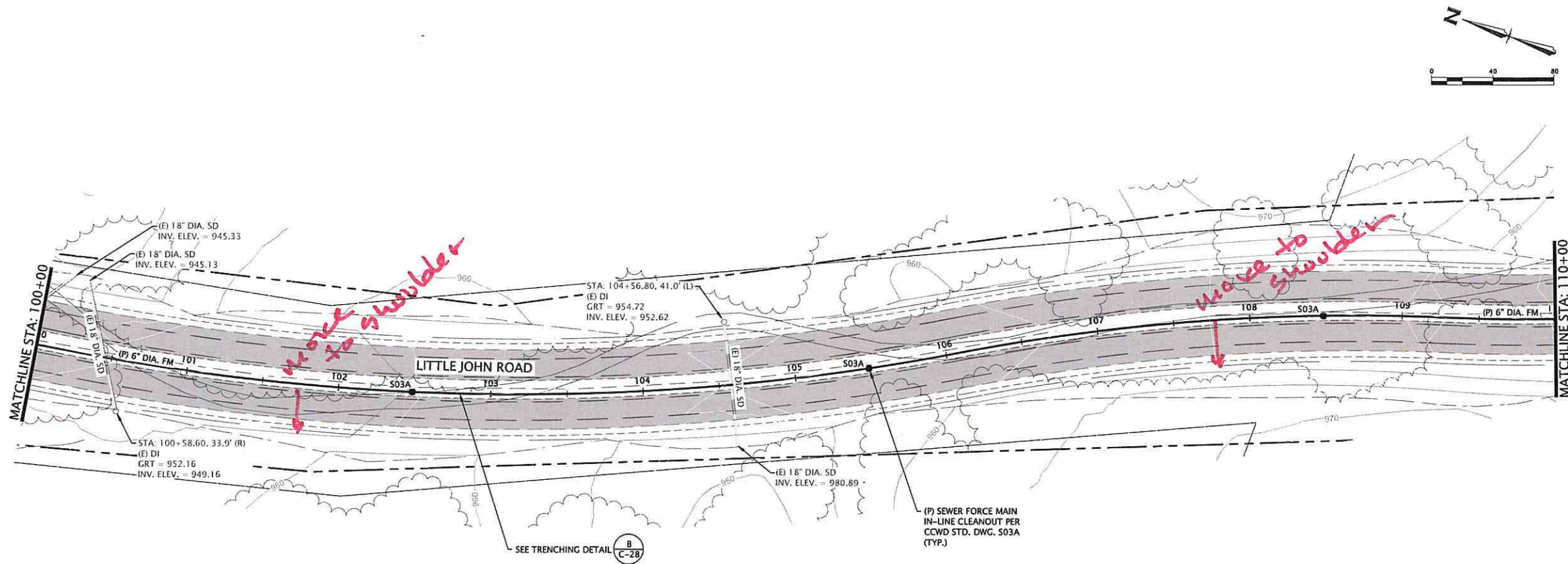
CALAVERAS COUNTY CALIFORNIA



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SHT. 12 of SHT. 31



FORCE MAIN
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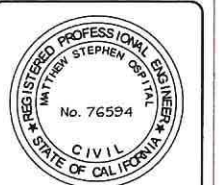
FORCE MAIN - PLAN AND PROFILE, STA: 100+00 TO STA: 110+00

50% PLANS

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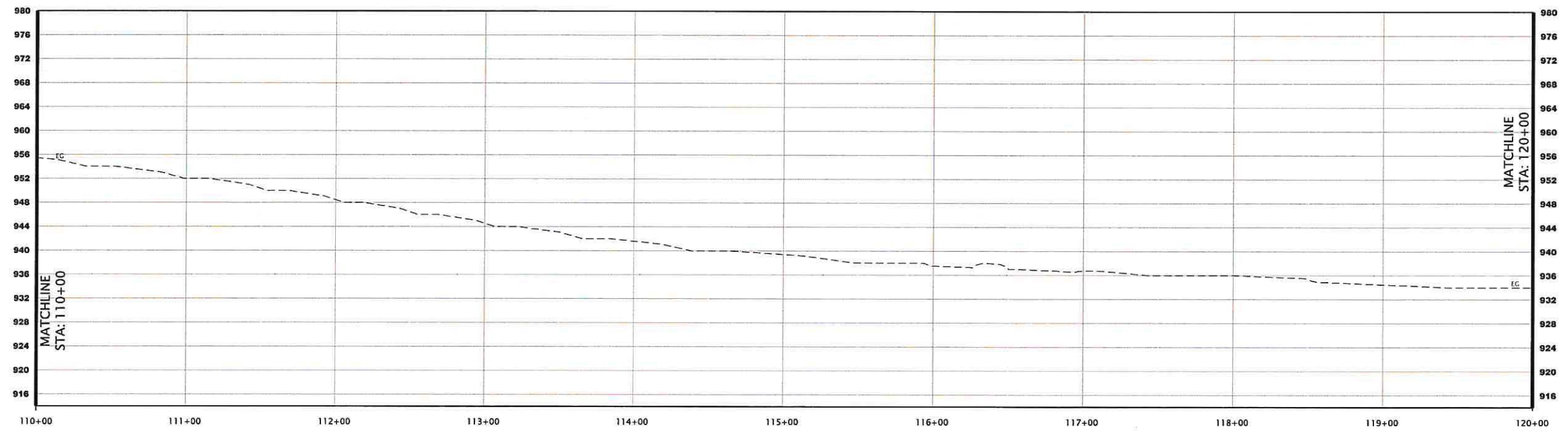
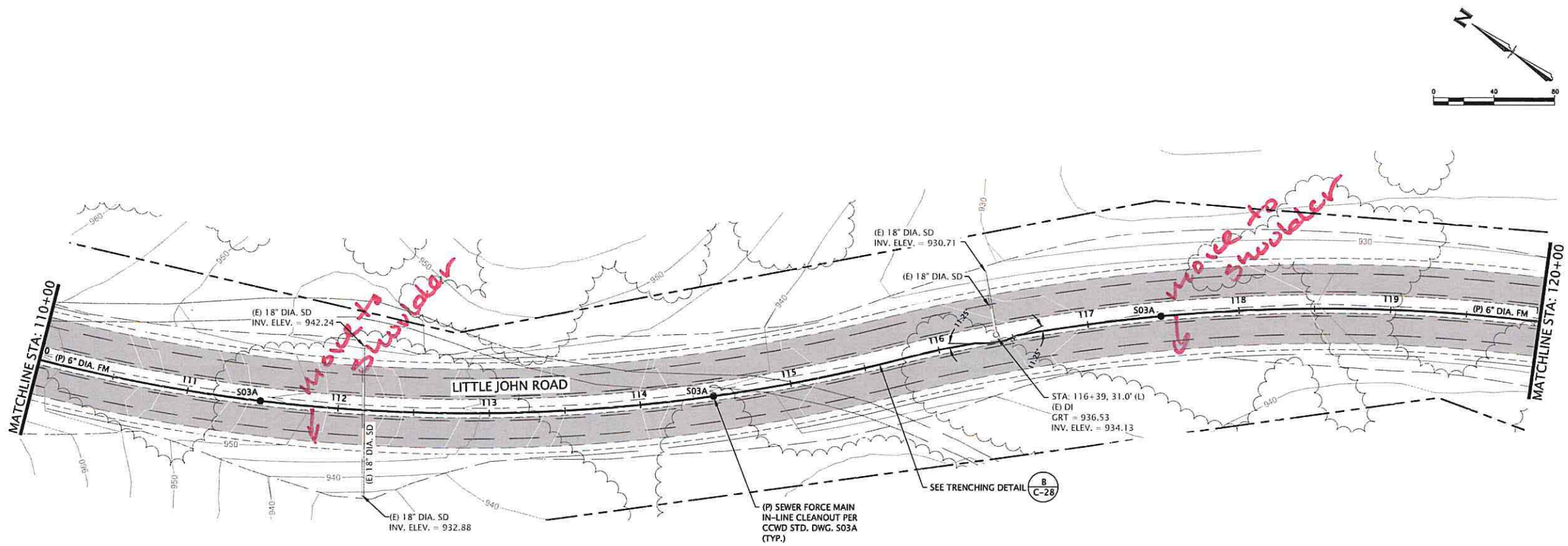
WGA **WEBER, GHIO** & ASSOCIATES
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PHASE I
CALAVERAS COUNTY CALIFORNIA



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C-13
SHT. 13 of SHT. 31



**FORCE MAIN
PLAN AND PROFILE**
 HORIZ. SCALE: 1" = 40'
 VERT. SCALE: 1" = 10'

FORCE MAIN – PLAN AND PROFILE, STA: 110+00 TO STA: 120+00

50% PLANS

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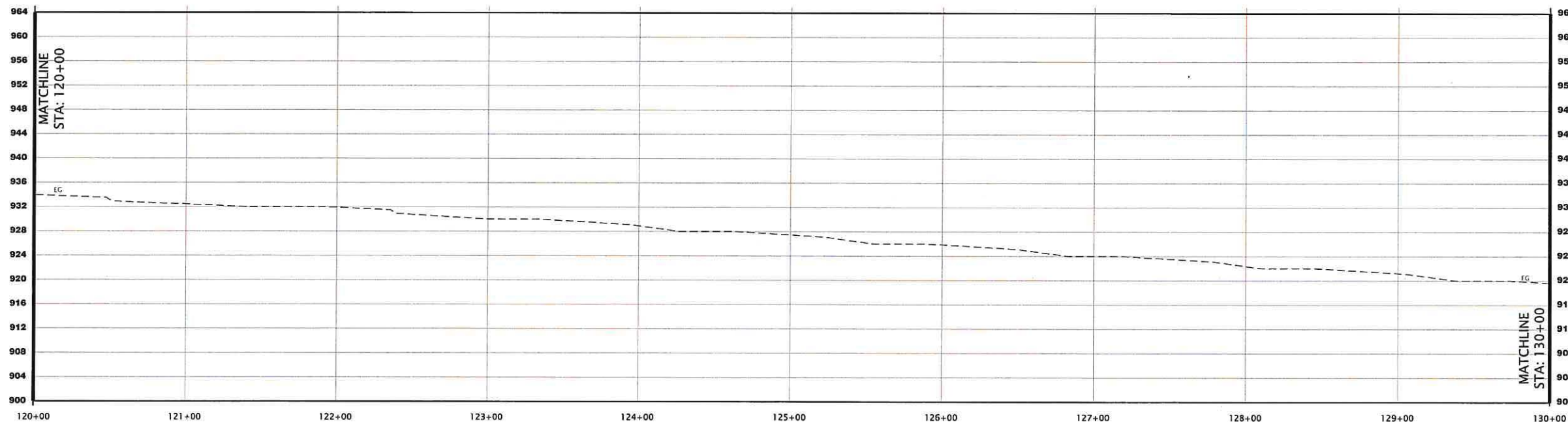
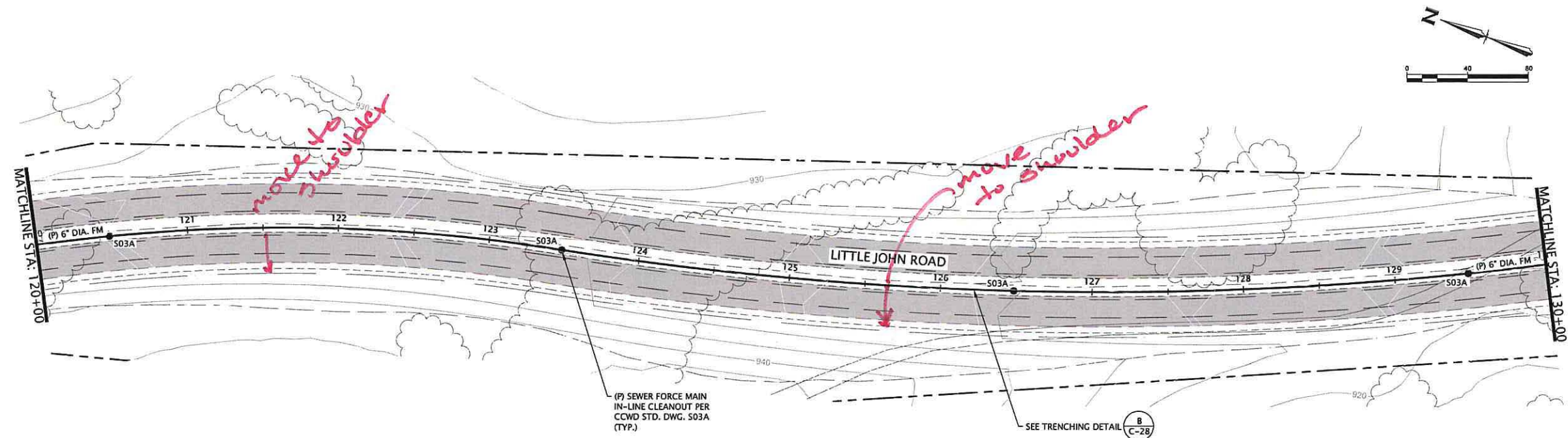
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CALAVERAS COUNTY CALIFORNIA



PRJ. No.:	2986
DATE:	08/22/2023
SCALE:	AS SHOWN
DRAWN BY:	DMV
CHECKED BY:	MSO



FORCE MAIN PLAN AND PROFILE

HORZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 10'

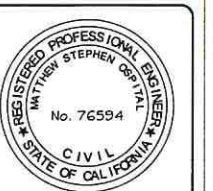
FORCE MAIN - PLAN AND PROFILE, STA: 120+00 TO STA: 130+00

50% PLANS

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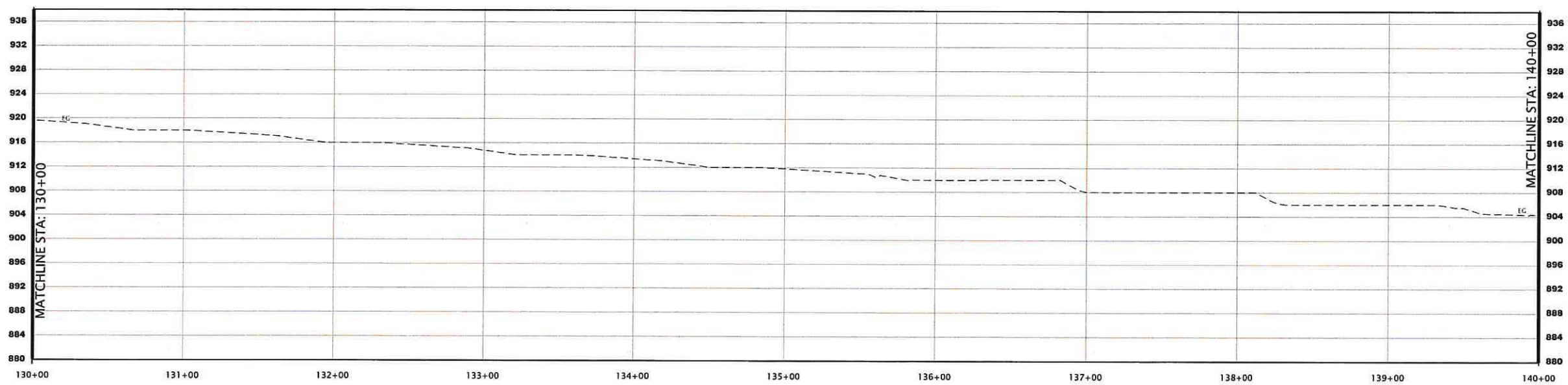
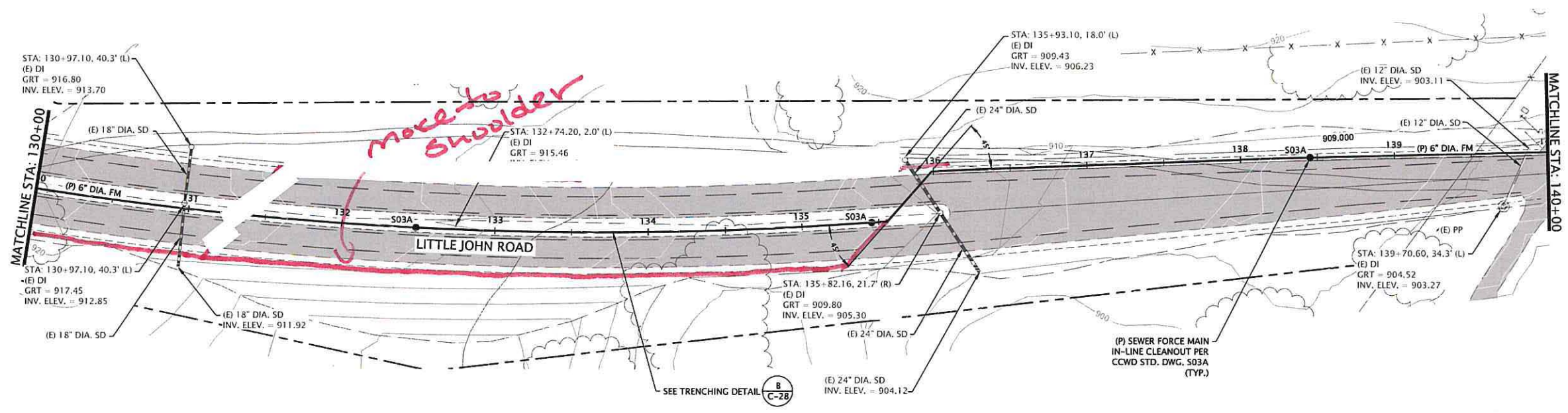
WGA **WEBER, GHIO**
ASSOCIATES
civil engineering consultant
394 E. SAINT CHARLES ST. | PO BOX 251 | SAN ANDREAS, CA 95249
(209) 754-1824

COPPER VALLEY
FORCE MAIN
IMPROVEMENT PLANS,
PHASE I
CALAVERAS COUNTY CALIFORNIA



PRJ. No.: 2986
DATE: 08/22/2023
SCALE: AS SHOWN
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CHECKED BY: MSO

C-15
SHT. 15 of SHT. 31



FORCE MAIN
PLAN AND PROFILE
HORZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 10'

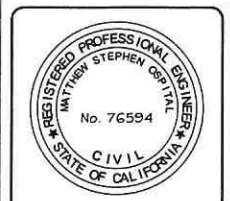
FORCE MAIN - PLAN AND PROFILE, STA: 130+00 TO STA: 140+00

50% PLANS

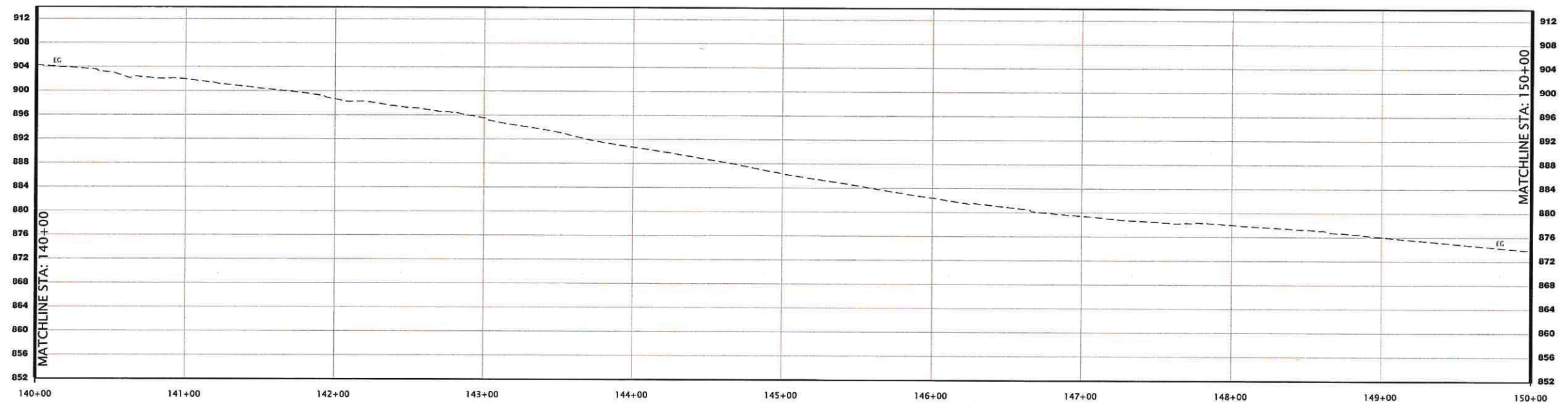
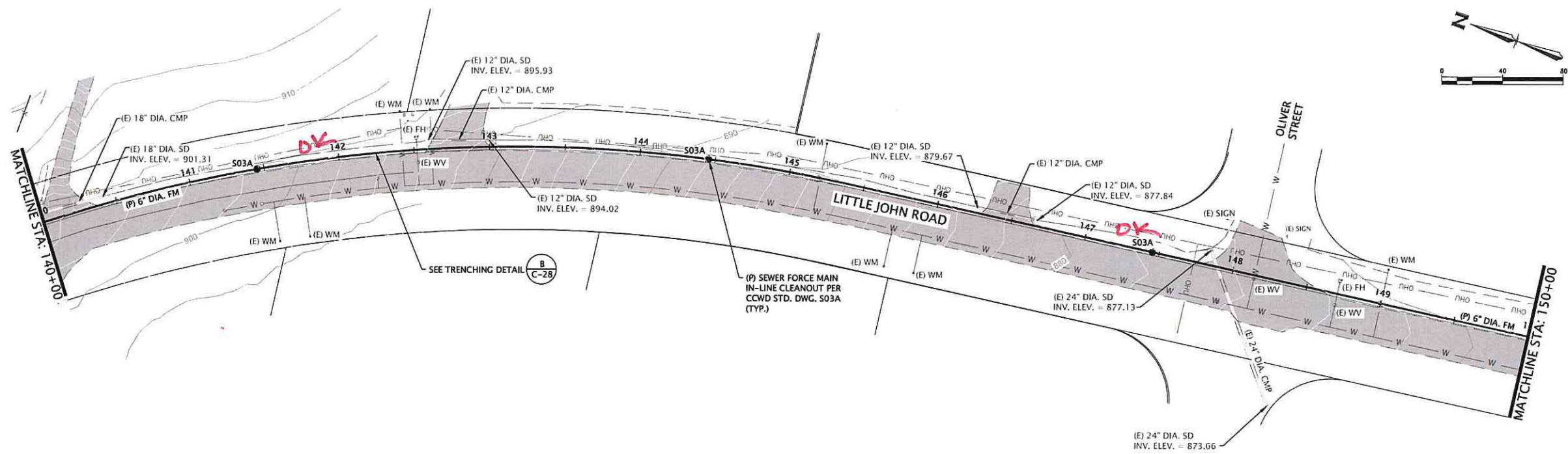
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CALAVERAS COUNTY CALIFORNIA



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**FORCE MAIN
PLAN AND PROFILE**
 HORZ. SCALE: 1" = 40'
 VERT. SCALE: 1" = 10'

FORCE MAIN – PLAN AND PROFILE, STA: 140+00 TO STA: 150+00

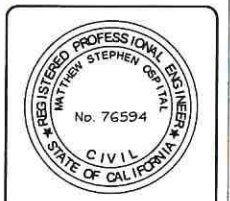
50% PLANS

REVISIONS		REV. No.	DESCRIPTION	REV. DATE	BY

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 civil engineering consultant
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FORCE MAIN
IMPROVEMENT PLANS,
PHASE I**

CALAVERAS COUNTY CALIFORNIA



PRJ. No.:	2986
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SCALE:	AS SHOWN
DRAWN BY:	DMV
CHECKED BY:	MSO

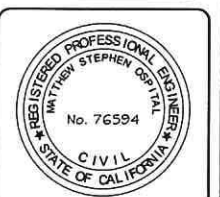
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**COPPER VALLEY
FORCE MAIN
IMPROVEMENT PLANS,
PHASE I**

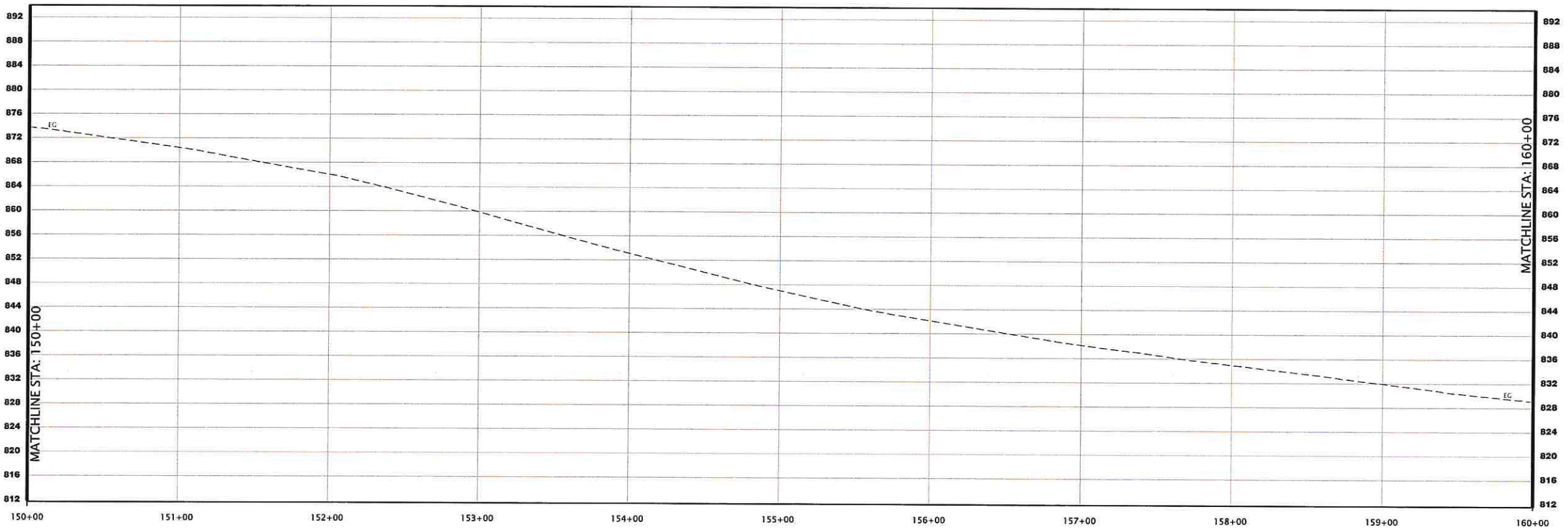
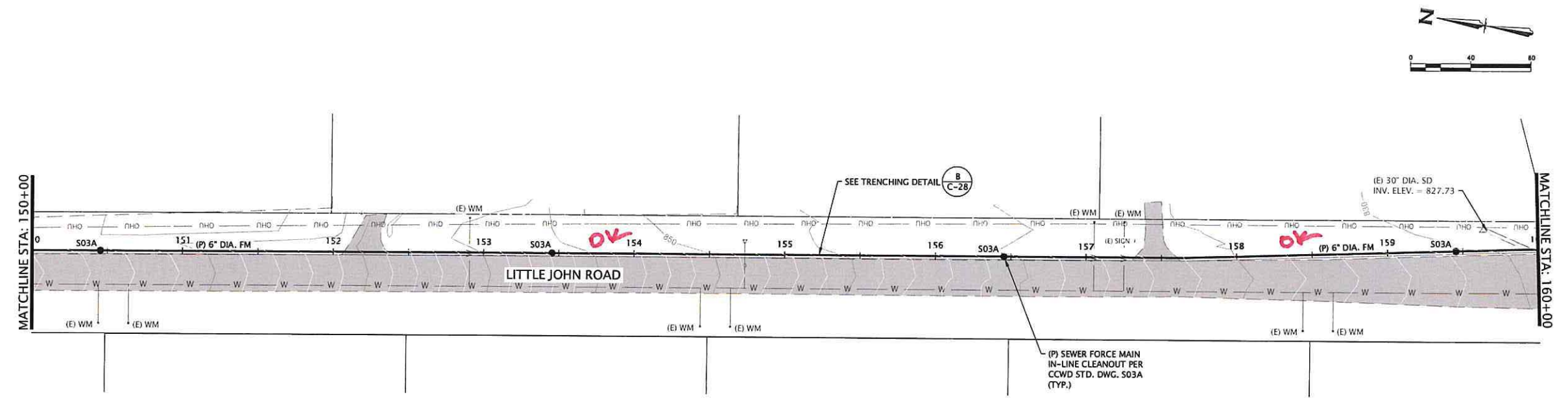
CALAVERAS COUNTY CALIFORNIA



PRJ. No.:	2986
DATE:	08/22/2023
SCALE:	AS SHOWN
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CHECKED BY:	MSO

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SHT. 18 of SHT. 31

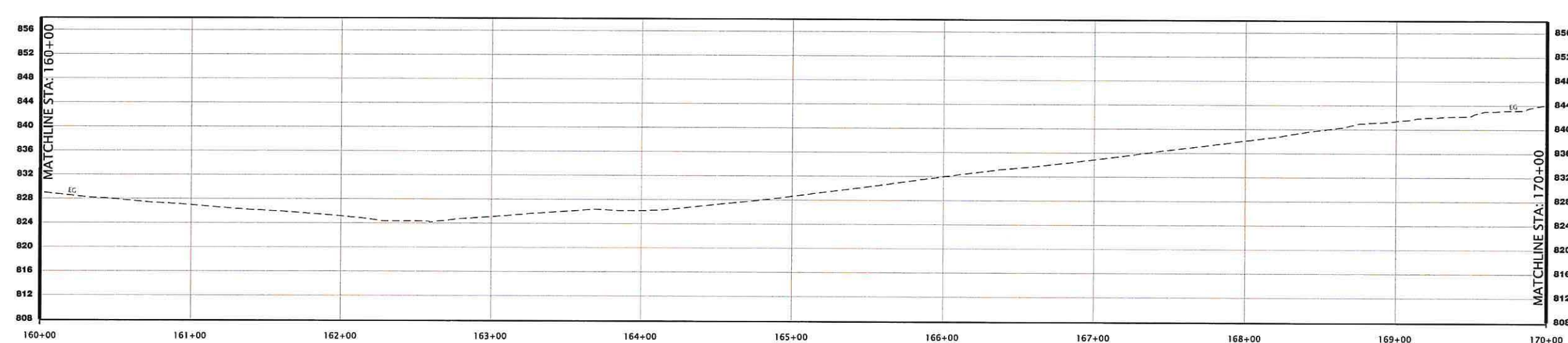
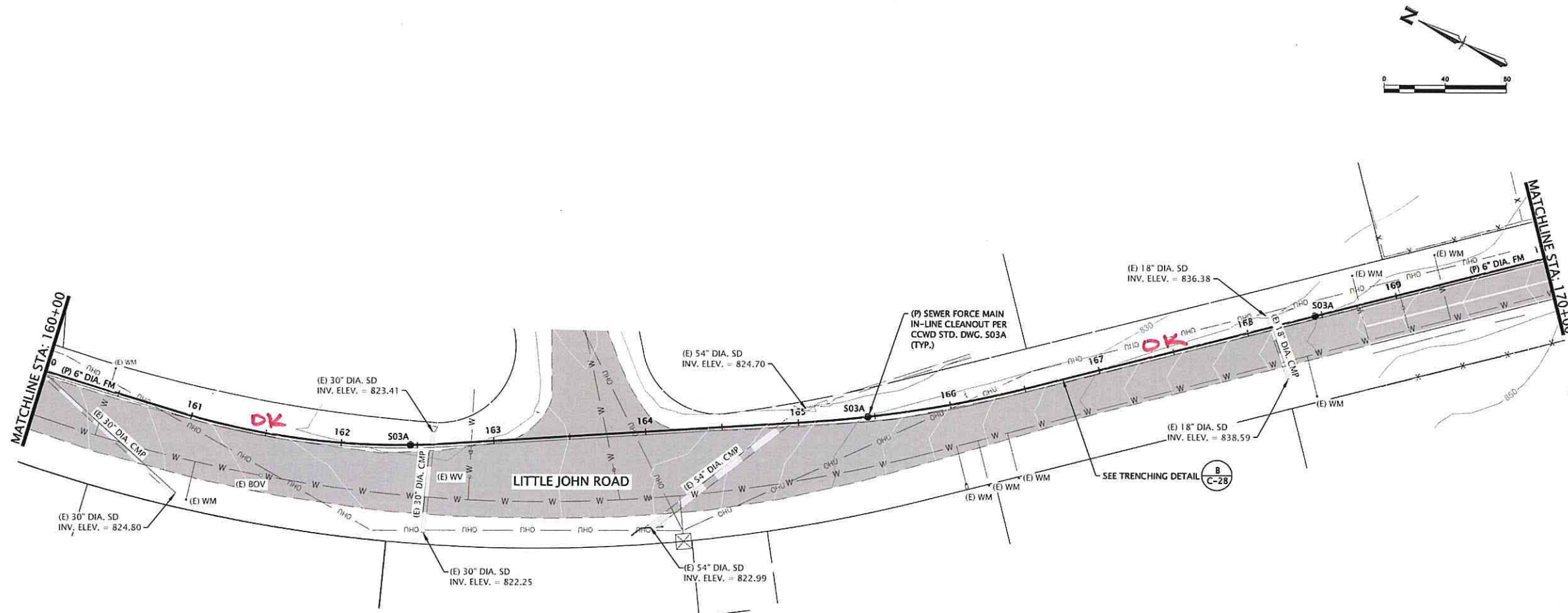


**FORCE MAIN
PLAN AND PROFILE**

HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 10'

FORCE MAIN - PLAN AND PROFILE, STA: 150+00 TO STA: 160+00

50% PLANS



FORCE MAIN
PLAN AND PROFILE
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 10'

FORCE MAIN - PLAN AND PROFILE, STA: 160+00 TO STA: 170+00

50% PLANS

REVISIONS		REV. DATE	BY
REV. NO.	DESCRIPTION		
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WSA
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& ASSOCIATES
civil engineering consultant

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COPPER VALLEY
FORCE MAIN
IMPROVEMENT PLANS,
PHASE I

CALAVERAS COUNTY CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
MATTHEW STEPHEN CRITTY
No. 76594
CIVIL
STATE OF CALIFORNIA

PRJ. No.: 2986

DATE: 08/22/2023

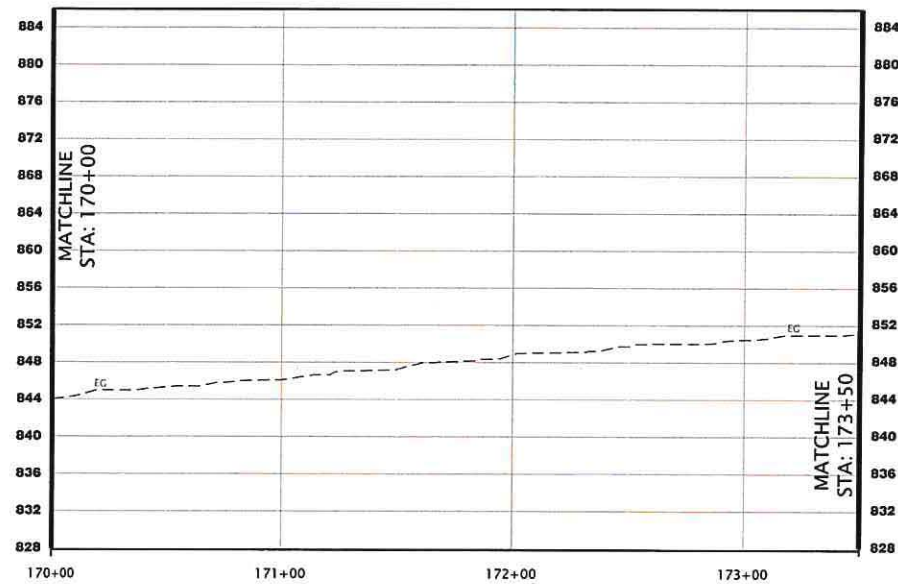
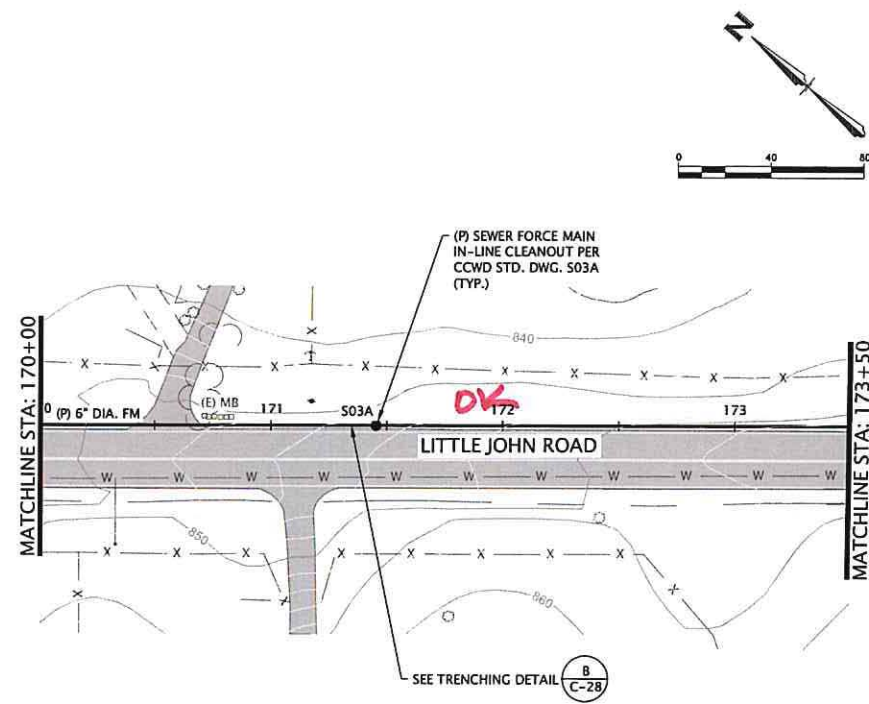
SCALE: AS SHOWN

DRAWN BY: DMV

CHECKED BY: MSO

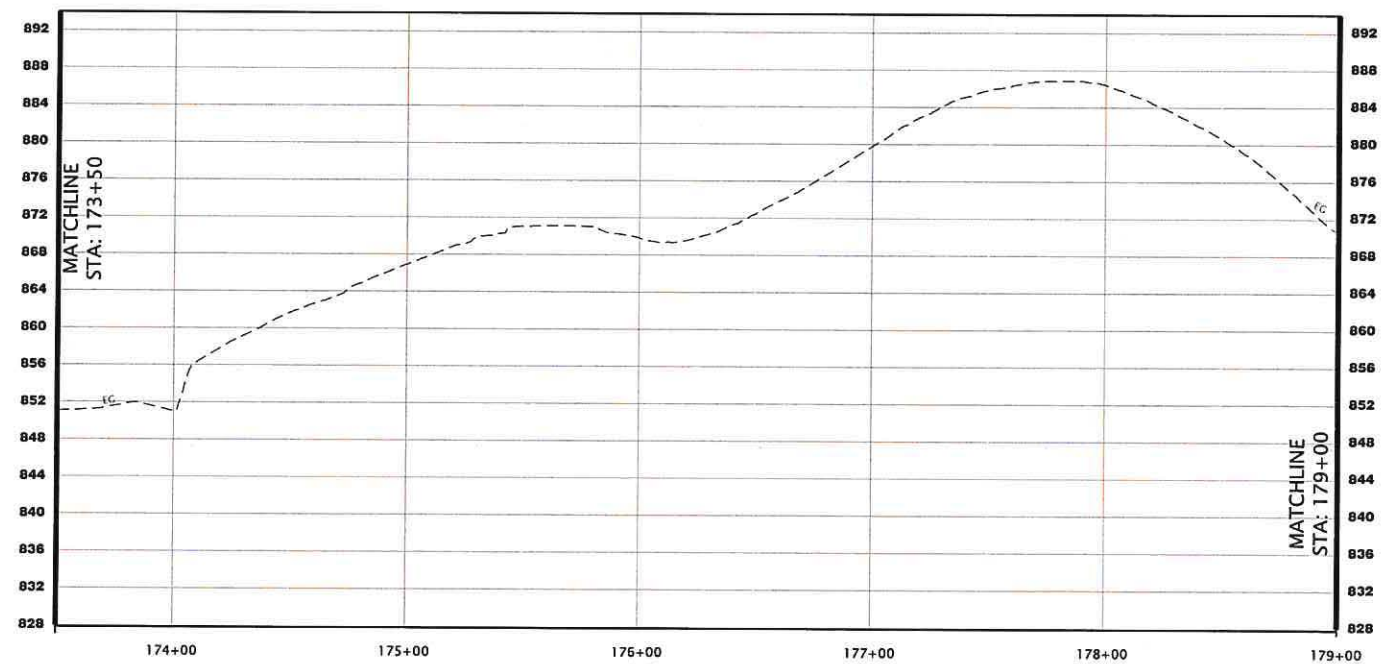
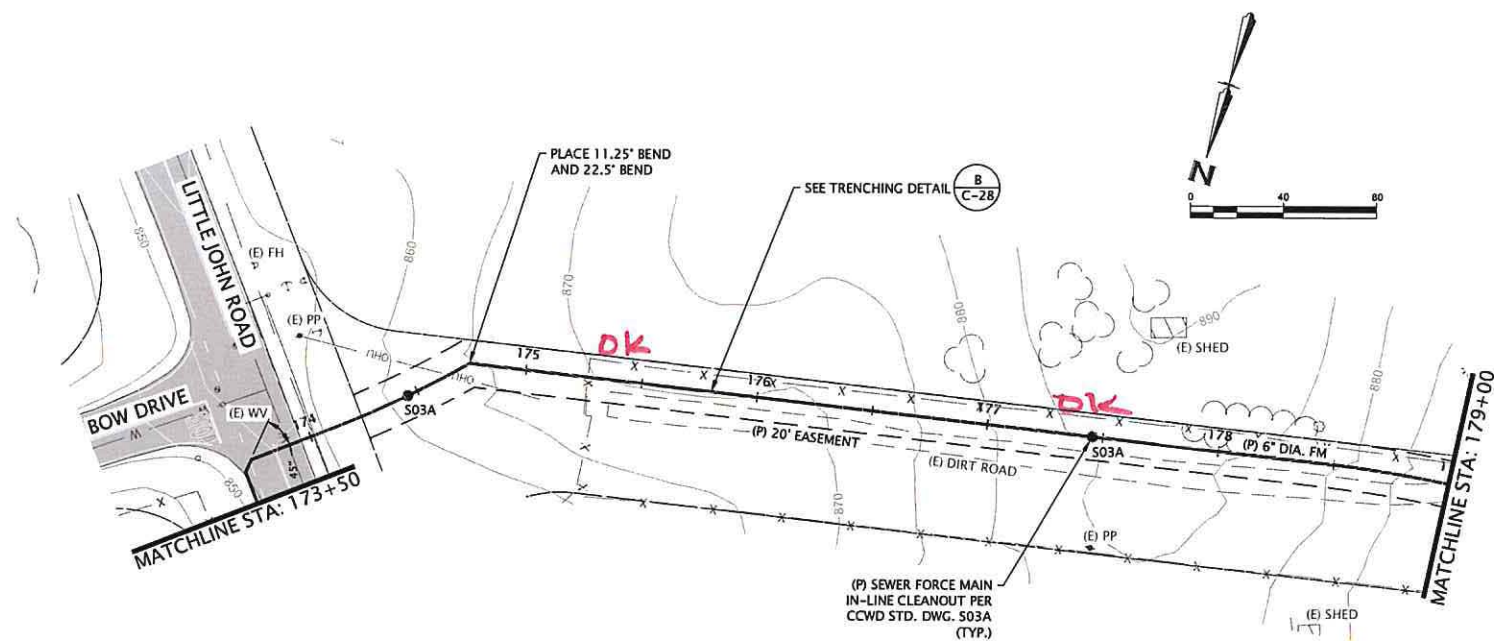
C-19

SHT. 19 of SHT. 31



FORCE MAIN
PLAN AND PROFILE

HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 10'



FORCE MAIN
PLAN AND PROFILE

HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 10'

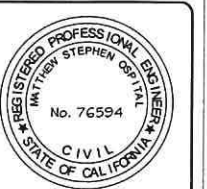
FORCE MAIN - PLAN AND PROFILE, STA: 170+00 TO STA: 180+00

50% PLANS

REV. No.	DESCRIPTION	REV. DATE	BY
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DATE: 08/22/2023
SCALE: AS SHOWN
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CHECKED BY: MSO

C-20

SHT. 20 of 20