

# Rubidoux Community Services District

## Board of Directors

John Skerbelis, President  
Hank Trueba Jr., Vice-President  
Bernard Murphy  
Armando Muniz  
F. Forest Trowbridge



## General Manager

Brian R. Laddusaw

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Water Resource Management    Refuse Collection    Street Lights    Fire / Emergency Services    Weed Abatement

## NOTICE AND AGENDA FOR THE RUBIDOUX COMMUNITY SERVICES DISTRICT BOARD MEETING

**Thursday, June 20, 2024, at 4:00 PM**

During this regular meeting of the Rubidoux Community Services District Board of Directors, members of the public will have the choice to attend and address the Board in person or attend and address the Board via Zoom.

Members of the public wanting to attend and/or address the Board virtually may do so by using the Zoom App or website for free at: <https://zoom.us/>

- Meeting ID is **994 957 9980**
- Passcode is: rcsd
- Call into the meeting number 1-669-444-9171

Only one person at a time may speak by telephone or Zoom and only after being recognized by the President of the Board.

**Closed Session:** At any time during the regular session, the Board may adjourn to a closed executive session to consider matter of litigation, personnel, negotiations, or to deliberate on decisions as allowed and pursuant with the open meetings laws. Discussion of litigation is within the Attorney/Client privilege and may be held in closed session.

Authority: Government code 11126-(a) (d) (q).

### ADDITIONS TO THE AGENDA

*In accordance with Section 54954.2 of the Government Code (Brown Act), additions to the agenda require a two-thirds vote of the entire Board, or, if fewer than two-thirds of the members are present, a unanimous vote of those members present, making findings that there is a need to take immediate action and that the need for action came to the attention of the District subsequent to the posting of the agenda.*

1. **CALL TO ORDER** – John Skerbelis, President
2. **PLEDGE OF ALLEGIANCE** – General Manager
3. **ROLL CALL** – General Manager
4. **PUBLIC COMMENTS**

Members of the public are encouraged to address the Board of Directors. Anyone who wishes to speak on an item not on the published agenda must submit a comment request card to the General Manager or designee. Each speaker should begin by identifying themselves for the record and is allowed up to five minutes.

No one may give their time to a speaker during the public comment period of the meeting. It is requested that all present refrain from any action that might disrupt the orderly course of the meeting. Coarse, crude, profane, or vulgar language, or unsolicited comments from the audience, which disrupts or disturbs the Board meeting, may result in exclusion from the meeting.

The Ralph M. Brown Act, Government Code 54950, et. seq. prohibits members of the Board of Directors from taking formal action or discuss items not on the published agenda. As a result, immediate response to public comment may be limited.

5. **CONSENT CALENDAR**

Consent Calendar items are expected to be routine and non-controversial and are to be acted upon by the Board by one motion, without discussion. If any Board member, staff member, or interested person requests that an item be removed from the Consent Calendar for further discussion, it will be moved to the first item on the Action Agenda.

- A. Approval of Minutes for June 6, 2024, Regular Meeting
- B. Consideration to Approve June 21, 2024, Salaries, Expenses and Transfers
- C. **DM 2024-50:** Receive and File Statement of Cash Asset Schedule Report Ending May 2024
- D. **DM 2024-51:** Consider Adoption of Resolution No. 2024-915, A Resolution Authorizing the Use of PlanetBids for Procurement Advertising
- E. **DM 2024-52:** Consider Notice of Cancellation of the Rubidoux Community Services District July 4, 2024, Regular Board Meeting
- F. **DM 2024-53:** Correction to Grant Deed for Contributed Water and Sewer Assets for Agua Mansa Commerce Park - Parcel Map 37528

6. **CORRESPONDENCE AND RELATED INFORMATION**

7. **REPORTS**

- A. Operations Report (Second Meeting Each Month)
- B. Emergency and Incident Report (Second Meeting Each Month)
- C. General Manager and Staff Reports / Updates
- D. Committee Reports

8. **ACTION / DISCUSSION ITEMS**

- A. **DM 2024-54:** First Reading of Ordinance No. 2024-138, An Ordinance of the Rubidoux Community Services District Authorizing the Adoption of Financial Policy Number 1040 'Procurement Policy'
- B. **DM 2024-55:** Consider Submitting a Ballot for the California Special Districts Association Board of Directors Seat A, Southern Network
- C. **DM 2024-56: PUBLIC HEARING (CANCELLED)** – Consideration to Cancel the Public Protest Hearing Related to Resolution No. 2024-911, A Resolution Adjusting the Solid Waste Collection and Disposal Charges for Residential, Commercial, and Industrial Customers
- D. **DM 2024-57:** Consideration to Adopt Draft Rubidoux Community Services District Operations and Capital Improvement Budgets and Salary Schedule for Fiscal Year 2024|2025
- E. **CLOSED SESSION** – Pursuant to Government Code 54957.6:  
Agency Designated Representative: Brian Laddusaw – General Manager, Regarding Labor Negotiations with Employee Organization: Laborers International Union of North America, Local 777

9. **DIRECTORS COMMENTS AND REQUESTS**

10. **NEXT MEETING**

Thursday, July 18, 2024, at 4:00 p.m.

11. **ADJOURNMENT**

*Any person with a disability who requires a modification or accommodation in order to participate in this meeting, or any person with limited English proficiency (LEP) who requires language assistance to communicate with the Rubidoux Community Services District Board of Directors during the meeting, should contact the Rubidoux Community Services District Administrative Department, at (951) 684-7580 or [admin@rcsd.org](mailto:admin@rcsd.org), no fewer than two (2) business days prior to this meeting to enable the Rubidoux Community Services District to make reasonable arrangements to assure accessibility or language assistance for this meeting.*

### **DECLARATION OF POSTING**

I, Brian Laddusaw, General Manager and Board Secretary to the Rubidoux Community Services District, certify that a copy of this has been posted in the District's main office, 3590 Rubidoux Blvd., Jurupa Valley, and on its website no less than seventy-two (72) hours before the start of the meeting.



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Brian Laddusaw  
General Manager-Secretary

4. **PUBLIC COMMENTS**

5. **CONSENT CALENDAR**

A. Approval of Minutes for June 6, 2024, Regular Meeting

**RUBIDOUX COMMUNITY SERVICES DISTRICT  
BOARD OF DIRECTORS**

**MINUTES OF REGULAR MEETING  
Thursday, June 6, 2024**

**DIRECTORS PRESENT:** Bernard Murphy  
F. Forest Trowbridge  
Hank Trueba, Jr.  
John Skerbelis

**DIRECTORS VIA ZOOM:** Armando Muniz

**STAFF PRESENT:** Brian Laddusaw, General Manager  
Ted Beckwith, Director of Engineering  
Martha Perez, Customer Service/Accounts Payable  
Manager  
Melissa Trujillo, HR Generalist/Safety and Facilities  
Coordinator  
Kirk Hamblin, Director of Finance and Administration

**VISITORS (SIGNED IN):** Edward Flanagan, RCSD Customer  
Wendell Prude, LIUNA Local 777 Representative  
Johanna Garcia, LIUNA Local 777 Steward

**ITEM 1. CALL TO ORDER**

The meeting of the Board of Directors of the Rubidoux Community Services District by President Skerbelis, at 4:00 P.M., Thursday, June 6, 2024, in-person and by teleconferencing at the District's Administrative Office, 3590 Rubidoux Boulevard, Jurupa Valley, California.

**ITEM 2. PLEDGE OF ALLEGIANCE – General Manager**

**ITEM 3. ROLL CALL – General Manager**

**ITEM 4. PUBLIC COMMENTS**

RCSD customer Edward Flanagan commented during the Board meeting how upset he was for the services he had received regarding his trash barrel. He shared it took three weeks for the trash barrel to be replaced after he had reported the broken trash barrel. District staff had previously assisted him and he had received a new trash barrel prior to the Board meeting. He also shared his concerns with the Board meetings starting at 4pm. He believes it is not an appropriate time for those who work. Board President Skerbelis apologized for the inconvenience and provided Mr. Flanagan with his contact information if he has any questions or concerns.

**ITEM 5. CONSENT CALENDAR**

- A. Approval of Minutes for May 16, 2024, Regular Meeting
- B. Consideration to Approve June 7, 2024, Salaries, Expenses and Transfers
- C. **DM 2024-41:** Receive and File Statement of Cash Asset Schedule Report Ending April 2024
- D. **DM 2024-42:** Consider Response to the 2024 Conflict of Interest Code Biennial Notice for Amendments
- E. **DM 2024-43:** Consider Ratification of Contract Change Order Number 2 for the Backwash Supply Pipeline Project at Leland Thompson Water Treatment Facility
- F. **DM 2024-44:** Consider Revisions to Employee Handbook Policy Number 2142 ‘Travel Expense/Vehicle Costs Reimbursements’

**ACTION:**

**Director Murphy moved, and Director Trueba seconded to approve the Consent Calendar:**

**Roll call:**

**Ayes – 5**  
**Noes – 0**  
**Abstain – 0**  
**Absent – 0**

**The motion was carried 5-0-0-0.**

**ITEM 6. CORRESPONDENCE AND RELATED INFORMATION**

GM Brian Laddusaw included an article from the Riverside Press Enterprise titled, “CEQA reform is still needed as much as ever.” After more than a year of study, California’s Little Hoover Commission has confirmed what many have long known: the California Environmental Quality Act needs reform. The commission, which stands as an independent agency which investigates state policy issues and offers recommendations for reform, began holding hearings on CEQA in March 2023. The commission, which stands as an independent agency which investigates state policy issues and offers recommendations for reform, began holding hearings on CEQA in March 2023. The Commission credits the environmental protection law, which was signed in 1970 by then Gov. Regan, for offering important protection to the Golden State’s environment. Hundreds of CEQA lawsuits are filed every year. While some raise legitimate issues, many often font and are intended to throw a wrench into planned developments.

GM Brian Laddusaw also shared a second article titled "Council approves power line plan." In a 4-3 vote, the majority rejected calls to run the project underground instead of on 180-foot towers. Despite on going push back on its plans to run power line along 180-foot towers above the Santa



Ana River, a majority of the Riverside City Council has given the long-awaited project is final approval. The council votes 4-3 Tuesday evening to proceed with the power project as proposed, rather than scrap the plan and redesign it to bury the power lines, as officials from neighboring Norco and Jurupa Valley have urged. Riverside officials have expressed concerns about power outages with the city's current connection to the power grid.

## **ITEM 7. REPORTS**

- A. Operations Report** (Second Meeting Each Month)
- B. Emergency and Incident Report** (Second Meeting Each Month)-
- C. General Manager and Staff Reports / Updates**

GM Laddusaw commented on the City of Jurupa Valley Public Works Department Open House scheduled for on Saturday, June 1, 2024, from 8 am – 12 pm at the Jurupa Valley Operations Center. He presented a couple of pictures from the event. He also shared with the Board the invitation to the National Night Out on August 6, 2024, from 6pm-8pm. GM Laddusaw also invited the Board to attend the Leland Thompson Plant tour scheduled for Tuesday, June 11, 2024, from 11am-1pm, the City of Riverside Youth Program will be attending the tour. Kirk, Director of Finance and Administration commented on the upcoming Procurement Policy update he will be providing to the Board for approval in the next scheduled meeting.

### **D. Committee Reports**

GM Laddusaw shared the Board had met for two Finance & Budget Committee meetings. The Finance and Budget Committee includes the complete Board. They met to discuss the MOU and the second meeting to discuss the new fiscal year budget. Director Murphy commented on the food recovery program, he shared Cal Recycle will be posting on their website the free food locations and resources available for individuals. Inland Harvest provides the food.

## **ITEM 8. ACTION/DISCUSSION ITEMS.**

- A. DM 2024-45:** Consider At-Risk Development Agreement for Tract 32721 and Tract 36947

### **BACKGROUND:**

The Rubidoux Community Services District (“District”) Board of Directors (“Board”) adopted the current Design and Construction Manual (“Manual”) in 2005. This Manual requires in Appendix “F” that the Tract Map for the development be approved by the City of Jurupa Valley (“City”), as successor to the County in 2011 when the City was incorporated and recorded with Riverside County Recorder’s Office (“County Recorder”).

Within the City and District, two tracts of homes are under development by Lennar Homes of California, LLC, (“Developer”) which are Tract 32721 and Tract 36947. The project, currently called Emerald Ridge North, includes a total of 204 detached single family residential lots and is located east of Murial Avenue, North of Canal Avenue and west of 28<sup>th</sup> Street. The Tract Maps

for this development have not yet been approved by the City and therefore has not yet been recorded with the County Recorder. The Developer desires, however, to start construction on this project prior to approval and recording of the Tract Map. The City will soon permit the Developer to start grading the proposed streets and building pads and the next step in construction is to install the Water and Sewer Pipelines (“Pipelines”).

As the District’s Manual requires the Tract Map be recorded, technically the District cannot allow construction of the Pipelines at this time. Since the Manual is a legally adopted document by the Board, staff considers it appropriate to create an Agreement with the Developer to start construction and to bring the Agreement to the Board for approval before signing the Agreement. A similar agreement was considered and approved by the Board with a different developer (Tract 37211) on March 21, 2024, pursuant to Directors Memorandum 2024-25.

This Agreement is attached to this Director’s Memorandum and includes provisions placing the Developer at their own risk in constructing the Pipelines in that the installation of the Pipelines does not create a vested interest that the Tract Maps will be recorded in their present configuration and that if changes are made to the location of the streets wherein the Pipelines are placed the Developer will have to relocate the Pipelines at their own cost.

**Coordination**

Staff and District Counsel John Harper have coordinated with Lennar Homes of California in the development of the attached Agreement and recommend the Board of Directors consider its approval.

**ACTION:**

**Director Murphy moved, and Director Trueba seconded to authorize the General Manager to:**

**Sign the agreement titled “AT RISK CONSTRUCTION AGREEMENT WATER AND SEWER SYSTEM IMPROVEMENTS TRACT NOS. 32721 and 36947 (Emerald Ridge North)” between the District and Developer.**

**Roll call:**

- Ayes – 5**
- Noes – 0**
- Abstain – 0**
- Absent – 0**

**The motion was carried 5-0-0-0.**

- B. DM 2024-46: PUBLIC HEARING – Second Reading and Adoption of Ordinance No. 2024-136, An Ordinance of the Rubidoux Community Services District Authorizing the Adjustment of Certain Monthly User Charges for the Collection, Treatment, and Disposal of Wastewater**

**BACKGROUND:**

On May 2, 2024, at the regularly scheduled Rubidoux Community Services District (“District”) Board of Director’s (“Board”) meeting, the Board directed staff to prepare draft Ordinance No. 2024-136 and schedule its introduction (First Reading) at the May 16, 2024 regularly scheduled Board meeting. The proposed Ordinance will adjust certain monthly charges for the collection, treatment, and disposal of wastewater. The proposed adjustment is based on the fully noticed year two (2) rate of the 5-year defensible rate plan adopted by the Board on December 15, 2022.

As stewards of the community's infrastructure and environmental health, it is imperative that the District ensures the sustainable management of its wastewater system.

1. **Infrastructure Maintenance and Upgrades:** The District’s wastewater treatment facilities and infrastructure require continuous maintenance and periodic upgrades to remain operational and compliant with regulatory standards. Aging pipelines, treatment plants, and equipment demand significant investment to prevent system failures, mitigate environmental risks, and ensure the uninterrupted delivery of essential services to District customers.
2. **Compliance with Regulatory Standards:** Regulatory agencies impose stringent requirements on wastewater treatment and discharge to safeguard public health and the environment. Failure to comply with these standards can result in substantial fines, legal liabilities, and reputational damage to the organization. Increasing operational costs associated with regulatory compliance necessitate adjustments to the District’s rates to uphold its commitment to environmental responsibility and regulatory compliance.
3. **Population Growth and Increased Demand:** Population growth and urban development exert pressure on the District’s wastewater infrastructure, leading to higher treatment volumes and operational expenses. As the community expands, so does the demand for wastewater services. To accommodate this increased demand and maintain service reliability, it is imperative to invest in capacity expansions, infrastructure enhancements, and technology upgrades, all of which require additional funding.
4. **Financial Sustainability and Long-Term Viability:** Maintaining a financially sustainable wastewater system is crucial to safeguarding the interests of the District’s stakeholders and ensuring the long-term viability of the organization. Adequate funding through appropriate rate structures is essential to cover operating expenses, capital investments, and reserve funds for contingencies. By implementing a rate increase, the District can secure the financial stability necessary to support its mission and deliver high-quality wastewater services to its customers.

The proposed wastewater rate increase is a necessary and prudent measure to address the challenges facing the District’s wastewater system, including infrastructure maintenance, regulatory compliance, population growth, environmental resilience, and financial sustainability.

During the First Reading of draft Ordinance No. 2024-136 on May 16, 2024, no Board members provided alterations or comments as it pertained to draft Ordinance No. 2024-136. At the conclusion of the First Reading, the Board directed staff to schedule a Public Hearing and Final Reading (Second Reading) of draft Ordinance No. 2024-136 at the June 6, 2024, regularly scheduled Board meeting.

This afternoon's Public Hearing for Ordinance No. 2024-136 was posted at the District's office, on the District's website, and noticed in the Press-Enterprise no less than 10 days prior to today.

As of the writing of this Memorandum, District staff received no comments, oral or written, from members of the public as it pertains to draft Ordinance No. 2024-136.

At the conclusion of this afternoon's Public Hearing and Final Reading, District staff recommend the Board consider adoption of Ordinance No. 2024-136. The Ordinance will have an effective date no earlier than thirty (30) days from today or July 6, 2024.

**ACTION:**

**Director Murphy moved, and Director Trueba seconded to authorize the General Manager to:**

**Adopt Ordinance No. 2024-136 with an effective date of July 6, 2024.**

**Roll call:**

**Ayes – 5**  
**Noes – 0**  
**Abstain – 0**  
**Absent – 0**

**The motion was carried 5-0-0-0.**

**C. DM 2024-47: PUBLIC HEARING – Second Reading and Adoption of Ordinance No. 2024-137, An Ordinance of the Rubidoux Community Services District Authorizing the Adjustment of Certain Water Rates for the Delivery of Potable Water to Residential, Commercial, and Industrial Customers**

**BACKGROUND:**

On May 2, 2024, at the regularly scheduled Rubidoux Community Services District ("District") Board of Director's ("Board") meeting, the Board directed staff to prepare draft Ordinance No. 2024-137 and schedule its introduction (First Reading) at the May 16, 2024 regularly scheduled Board meeting. The proposed Ordinance will adjust certain monthly charges for the delivery of potable water to residential, commercial, and industrial customers. The proposed adjustment is based on the fully noticed year two (2) rate of the 5-year defensible rate plan adopted by the Board on December 15, 2022.

As guardians of the community's water resources and infrastructure, it is incumbent upon the District to ensure the sustainable management of its water system.

1. **Infrastructure Maintenance and Rehabilitation:** The District's water distribution infrastructure, including pipes, pumps, and treatment plants, is aging and in need of regular maintenance and rehabilitation. Failure to address infrastructure deterioration can lead to leaks, breaks, and service disruptions, resulting in costly repairs, water loss, and customer dissatisfaction. Increasing investment in infrastructure maintenance is essential

to preserve the reliability and efficiency of the District's water system and mitigate the risk of system failures.

2. **Compliance with Drinking Water Standards:** Regulatory agencies set stringent standards for drinking water quality to protect public health and safety. Ensuring compliance with these standards requires continuous monitoring, testing, and treatment of the water supply. As regulatory requirements evolve and become more stringent, the costs associated with water treatment and quality assurance escalate. A rate increase is necessary to cover the expenses associated with maintaining compliance with drinking water standards and safeguarding the health of District customers.
3. **Resilience to Climate Change and Extreme Weather Events:** Climate change poses significant challenges to water management, including more frequent and severe droughts, floods, and extreme weather events. Building resilience to climate change requires investments in adaptive infrastructure, water storage, and emergency preparedness measures. By increasing water rates, the District can generate the revenue needed to enhance the resilience of its water system, minimize the impacts of climate-related risks, and ensure the continuous delivery of safe and reliable water services to District customers.
4. **Financial Sustainability and Long-Term Viability:** Maintaining a financially sustainable water system is essential to support the District's mission, meet customer expectations, and fulfill its obligations to stakeholders. Adequate funding through appropriate rate structures is indispensable for covering operating expenses, debt service obligations, capital investments, and reserve funds for contingencies. A responsible and transparent approach to rate setting will enable the District to achieve financial sustainability while upholding its commitment to delivering high-quality water services to District customers.

The proposed water rate increase is a necessary and prudent measure to address the challenges facing the water system, including infrastructure maintenance, regulatory compliance, water conservation, climate resilience, and financial sustainability.

During the First Reading of draft Ordinance No. 2024-137 on May 16, 2024, no Board members provided alterations or comments as it pertained to draft Ordinance No. 2024-137. At the conclusion of the First Reading, the Board directed staff to schedule a Public Hearing and Final Reading (Second Reading) of draft Ordinance No. 2024-137 at the June 6, 2024, regularly scheduled Board meeting.

This afternoon's Public Hearing for Ordinance No. 2024-137 was posted at the District's office, on the District's website, and noticed in the Press-Enterprise no less than 10 days prior to today.

As of the writing of this Memorandum, District staff received no comments, oral or written, from members of the public as it pertains to draft Ordinance No. 2024-137.

At the conclusion of this afternoon's Public Hearing and Final Reading, District staff recommend the Board consider adoption of Ordinance No. 2024-137. The Ordinance will have an effective date no earlier than thirty (30) days from today or July 6, 2024.

**ACTION:**

**Director Murphy moved, and Director Trueba seconded to authorize the General Manager to:**

**Adopt Ordinance No. 2024-137 with an effective date of July 6, 2024.**

**Roll call:**

**Ayes – 5**

**Noes – 0**

**Abstain – 0**

**Absent – 0**

**The motion was carried 5-0-0-0.**

**D. DM 2024-48:** Consider Adopting Resolution No. 2024-912, A Resolution Adopting a Statement of Investment Policy, and Resolution No. 2024-913, A Resolution Authorizing the Opening of Accounts for Investment Purposes with Certain Financial Institutions

**BACKGROUND:**

*As required by California Government Code Section 5364(a), the legislative body shall annually review the policy and change(s) at a public meeting.* The purpose of an annual review during a public meeting is to ensure that all investments practices meet Federal, State, and local criteria for prudent management of said local public agency assets.

The attached investment policy sets strategies and guidelines which diversifies assets and maximizes rates while reducing risks. The District continues to exercise most investment instruments, seeking the best yields for our monies. Conservative investment coupled with diversification in this economic environment is a prudent investment management strategy to follow when public monies are at stake. Staff does recommend adjustments, modifications or changes to the attached Rubidoux Community Services District “Statement of Investment Policy”. These changes include the following:

1. Updating format and current generally accepted practice terminology.
2. Updating allowable investments to be current as of January 1, 2024 as allowable by law.
3. Inclusion of the monitoring of safety and liquidity of District funds.
4. Inclusion of risk management and diversification.
5. Inclusion of delivery, safekeeping, and custody.
6. Inclusion of a glossary.

If acceptable, the attached Resolution No. 2024-912 is presented for the Board of Directors adoption this afternoon.

With respect to the District’s banking and investment institutions, Staff is requesting to keep active, for investments purposes, those banking institutions listed on attached Resolution No. 2023-903, but update previous Resolution 799 as it has become outdated due to financial institution mergers/acquisitions. If acceptable, the attached Resolution No. 2024-913 is presented for the Board of Directors adoption this afternoon.

**ACTION:**

**Director Trowbridge moved, and Director Trueba seconded to authorize the General Manager to:**

- 1. The Adoption of Resolution No. 2024-912 which modifies and updates the Rubidoux Community Services District Investment Policy.**
- 2. The Adoption of Resolution No. 2024-913 which authorizes the opening of accounts for investment purposes with certain financial institutions.**

**Roll call:**

**Ayes – 5**  
**Noes – 0**  
**Abstain – 0**  
**Absent – 0**

**The motion was carried 5-0-0-0.**

- E. DM 2024-49:** Consider Adopting Resolution No. 2024-914, A Resolution Authorizing the Establishment of a CalPERS Employer Pension Prefunding Trust (CEPPT) Section 115 Trust

**BACKGROUND:**

The Rubidoux Community Services District (“District”) is a member of the California Public Employees’ Retirement System (“CalPERS”), and as such, is obligated by the Public Employees’ Retirement Law and the contract between the Board of Administration of CalPERS and the District to make contributions to CalPERS to (a) fund pension benefits for its employees who are members of CalPERS, (b) amortize a portion of the unfunded accrued liability (the “UAL”) with respect to such pension benefits, and (c) appropriate funds for the purposes of paying for the pension benefits and such Unfunded Liability.

Under the CalPERS contract, the District is legally obligated to make certain payments to CalPERS in respect to current and retired public safety employees and miscellaneous employees under the associated pension plans that amortize such obligations over a fixed period of time, including normal costs.

The District currently has an UAL account balance of \$7.0 million, which is required to be paid off during the next 25-year period at 6.8% interest. The District’s UAL is the shortfall of comparing its current total pension assets of \$19.5 million against its current total pension obligations of \$26.5 million. In addition to biweekly payroll contributions made by the District to CalPERS, the District makes annual lump-sum payments which represents the amortized payment amount on the District’s UAL. In the current fiscal year, this lump-sum payment was \$424,520, which was authorized pursuant to Directors Memorandum (“DM”) 2023-68. In FY 2024|2025, this lump-sum payment will be \$549,991.

The growth of the District’s UAL is a combination of factors. Every year CalPERS prepares updated actuarial valuation reports for each of the District’s pension plans wherein it calculates

the District's total pension liability as of the end of the prior fiscal year. If the investment performance during that fiscal year was different from the Discount Rate, or if CalPERS made any changes to its actuarial assumptions, or if the actual demographic or compensation experience within the pension plans was different from the actuarial assumptions (i.e., life expectancy and retirement age), new line items, or UAL amortization "bases," may be added to the plan and result in a change to the UAL balance. Such UAL amortization bases may be positive (indicating funding shortfall for the Pension Plans) or negative (indicating funding surplus for the pension plans). Since CalPERS can add new UAL amortization bases every year, the pension plans must be monitored annually and managed continually – there is no one-time solution.

The District's UAL is not unique to Rubidoux and in February 2023, the District's Board of Directors ("Board") adopted an Unfunded Accrued Liability Pension Management Policy ("Policy") pursuant to Resolution No. 2023-901 for the purpose of addressing the existing and any future UAL associated with the District's CalPERS pension plans. The Policy reflects a reasonable and conservative approach to managing the UAL costs associated with the pension plans and recognizes the pension plans are subject to market volatility and that economic and demographic experience of the plans will differ from the actuarial assumptions. Accordingly, the Policy is intended to allow for adaptive responses to changing circumstances, providing flexibility to address such volatility in a financially sound manner.

The District has a current UAL funding level objective of 85%, which means the District should maintain assets of at least 85% of obligations. The District has a current funding status of 74% (\$19.5 million / \$26.5 million). There are a multitude of ways the District can reach its funding level objective, one of which is to utilize Additional Discretionary Payments ("ADPs"), which are considered supplemental contributions to the District's pension plans. These supplemental contributions can generate substantial long-term net savings. Each supplemental contribution reduces the UAL balance, the annual required contributions for future years, and the total interest costs associated with the UAL. CalPERS does not apply any prepayment penalties for ADPs and should not adversely affect the general obligations of the District.

Beginning in FY 2023|2024, the District budgeted for an ADP in the amount of \$150,000. For FY 2024|2025, the District is budgeting for another ADP of \$150,000. These monies are housed and monitored separately from the District's current \$19.5 million asset portfolio through the establishment of a CalPERS Employer Pension Prefunding Trust (CEPPT) Section 115 Trust. This trust will enable the District to manage pension liabilities more effectively, ensuring long-term fiscal sustainability. This memorandum is needed for the administrative side and to work with CalPERS for establishing the trust and then subsequently utilizing the budgeted funding to make the ADPs.

The District is dedicated to maintaining the financial health of its retirement benefit programs. However, unfunded pension liabilities pose significant financial risks and budgetary pressures. To address these challenges, the District can establish a CEPPT Section 115 Trust, allowing the District to set aside and invest funds specifically for future pension obligations.

## **Benefits of a CEPPT Section 115 Trust**

### **1. Enhanced Financial Management:**

- a. Prefunding pension obligations can help smooth budgetary impacts and provide greater predictability in financial planning.



**2. Risk Mitigation:**

- a. By setting aside funds specifically for pension liabilities, the District can mitigate the risk of pension cost volatility and unfunded liabilities.

**3. Increased Local Control:**

- a. Funds in a Section 115 Trust remain under the control of the District, allowing the District to decide the timing and amount of disbursements to CalPERS.
- b. This control ensures that funds are available when needed and can be strategically managed to align with the District's financial goals.

**Implementation Plan**

**1. Board Approval:**

- a. Obtain formal approval from the Board of Directors to establish the CEPPT Section 115 Trust.
- b. Approve Resolution 2024-914 outlining the purpose, benefits, and guidelines for the trust.

**2. Trust Setup:**

- a. Work with CalPERS to establish the trust, ensuring compliance with all regulatory requirements.
- b. Determine the initial funding amount and subsequent contribution schedule based on actuarial assessments and budgetary considerations.

**3. Ongoing Management and Oversight:**

- a. Establish a governance structure for the trust, including roles and responsibilities for monitoring and reporting.
- b. Regularly review and adjust the funding strategy and investment policy based on performance and changing economic conditions.

**ACTION:**

**Director Skerbelis moved, and Director Trowbridge seconded to authorize the General Manager to:**

**1. Approve the establishment of a CEPPT Section 115 Trust to enhance our pension funding strategy and strengthen the financial foundation of the Rubidoux Community Services District.**

**2. Adoption of Resolution No. 2024-914 which authorizes the establishment of a CalPERS Employer Pension Prefunding Trust (CEPPT) Section 115 Trust.**

**Roll call:**

**Ayes – 4 (Muniz, Trowbridge, Trueba, Skerbelis)**

**Noes – 1 (Murphy)**

**Abstain – 0**

**Absent – 0**

**The motion was carried 4-1-0-0.**

**ITEM 9. DIRECTOR'S COMMENTS AND REQUESTS**

Director Murphy commented on the City of Jurupa Valley Public Works event the District attended. He shared the District staff had done a good job with their interactive display. He also commented on the sewer inspections and use of the GIS tool. No other Directors had comments.

**ITEM 10. NEXT MEETING**

Thursday, June 20, 2024, at 4:00 P.M.

**ITEM 11. ADJOURNMENT**

President Skerbelis adjourned the meeting at 4:59 P.M.

5. **CONSENT CALENDAR** (continued)

B. Consideration to Approve June 21, 2024, Salaries, Expenses and Transfers

RUBIDOUX COMMUNITY SERVICES DISTRICT  
 JUNE 20, 2024 (BOARD MEETING)  
**FUND TRANSFER AUTHORIZATION**

<b>NET PAYROLL 6/21/24</b>	84,600.00
WIRE TRANSFER: FEDERAL PAYROLL TAXES 6/24/24	30,000.00
WIRE TRANSFER: STATE PAYROLL TAXES 6/24/24	6,300.00
WIRE TRANSFER: TO CREDIT UNION	5,400.00
WIRE TRANSFER: PERS RETIREMENT	23,000.00
WIRE TRANSFER: SECTION 125	299.99
WIRE TRANSFER: SECTION 457 AND 401(A)	2,100.00

<b>NET PAYROLL 7/5/24</b>	84,600.00
WIRE TRANSFER: FEDERAL PAYROLL TAXES 7/8/24	30,000.00
WIRE TRANSFER: STATE PAYROLL TAXES 7/8/24	6,300.00
WIRE TRANSFER: TO CREDIT UNION	5,400.00
WIRE TRANSFER: PERS RETIREMENT	23,000.00
WIRE TRANSFER: PERS HEALTH PREMIUMS	45,616.08
WIRE TRANSFER: PERS RETIRED HEALTH PREMIUMS AND FEES	1,940.47
WIRE TRANSFER: SECTION 125	299.99
WIRE TRANSFER: SECTION 457 AND 401(A)	2,100.00

**CHECKING ACCOUNT TRANSFERS FOR ACCOUNTS PAYABLE:**

6/21/2024 WATER FUND TO GENERAL FUND-Payables	290,612.63
WATER FUND TO GENERAL FUND-Trash	200,918.94
WATER FUND TO SEWER FUND	122,064.13
SEWER FUND TO GENERAL FUND-Payables	40,663.84

**INTERFUND TRANSFERS:**

6/21/2024 SEWER FUND CHECKING TO LAIF SEWER OP	81,000.00
GENERAL FUND CHECKING TO LAIF PROP TAX	1,175,000.00
GENERAL FUND PROP TAX TO GENERAL FUND CHECKING	1,605,432.27
LAIF WATER ML TO LAIF WATER OPS	220.00
LAIF WATER OP TO WATER FUND CHECKING	195,000.00
LAIF WATER RESERVE TO LAIF WATER OP	24,721.00

**NOTES PAYABLE**

<u>DESCRIPTION</u>	<u>BALANCE</u>	<u>PAYMENT</u>	<u>DUE DATE</u>
U.S. Bank Trust (1998 COP's Refunding)	690,000 Prin.	690,000	Dec-24
U.S. Bank Trust (1998 COP's Refunding)	17,595 Intr.	17,595	Dec-24
MN Plant-State Revolving Loan	3,193,541 Prin.	141,050	Jul-24
MN Plant-State Revolving Loan	448,418 Intr.	41,048	Jul-24
2022 Obligations	3,261,158 Prin.	320,355	Jul-24
2022 Obligations	467,492 Intr.	49,733	Jul-24

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1	ACORN / ACORN TECHNOLOGY SERVICE							11394
JUNE 24' IT SUPT		06/01/2024	N	N			06/21/2024	\$0.00
06/20/2024					N			\$5,248.50
2	AIRGAS / AIRGAS USA, LLC							9150284019
PARTS		05/28/2024	N	N			06/27/2024	\$0.00
06/20/2024					N			\$350.78
3	AIRGAS / AIRGAS USA, LLC							5508594272
TNK RNTL		05/31/2024	N	N			06/30/2024	\$0.00
06/20/2024					N			\$114.76
4	AT&T / AT&T							000021816035
PHN CHRGS		06/07/2024	N	N			07/15/2024	\$0.00
06/20/2024					N			\$519.01
5	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CE41524-0267
WTR ANALYSES		05/28/2024	N	N			06/27/2024	\$0.00
06/20/2024					N			\$42.00
6	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CE41519-0267
WTR ANALYSES		05/28/2024	N	N			06/27/2024	\$0.00
06/20/2024					N			\$48.00
7	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CE41511-0267
WTR ANALYSES		05/28/2024	N	N			06/27/2024	\$0.00
06/20/2024					N			\$84.00
8	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CE41497-0267
WTR ANALYSES		05/28/2024	N	N			06/27/2024	\$0.00
06/20/2024					N			\$84.00
9	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CE41534-0267
WTR ANALYSES		05/28/2024	N	N			06/27/2024	\$0.00
06/20/2024					N			\$62.00
10	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CE41690-0267
WTR ANALYSES		05/29/2024	N	N			06/28/2024	\$0.00
06/20/2024					N			\$2,200.00
11	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CE41717-0267
WTR ANALYSES		05/30/2024	N	N			06/29/2024	\$0.00
06/20/2024					N			\$14.00
12	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CE41818-0267
WTR ANALYSES		05/30/2024	N	N			06/29/2024	\$0.00
06/20/2024					N			\$550.00
13	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CE41833-0267
WTR ANALYSES		05/30/2024	N	N			06/29/2024	\$0.00
06/20/2024					N			\$90.00
14	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CE41889-0267
WTR ANALYSES		05/31/2024	N	N			06/30/2024	\$0.00
06/20/2024					N			\$40.00
15	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CE41901-0267
WTR ANALYSES		05/31/2024	N	N			06/30/2024	\$0.00
06/20/2024					N			\$200.00
16	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CE41915-0267
WTR ANALYSES		05/31/2024	N	N			06/30/2024	\$0.00
06/20/2024					N			\$42.00

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17	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CE41919-0267
WTR ANALYSES		05/31/2024	N	N		06/30/2024	05/31/2024	\$0.00
06/20/2024					N			\$48.00
18	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CE41926-0267
WTR ANALYSES		05/31/2024	N	N		06/30/2024	05/31/2024	\$0.00
06/20/2024					N			\$62.00
19	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CE41928-0267
WTR ANALYSES		05/31/2024	N	N		06/30/2024	05/31/2024	\$0.00
06/20/2024					N			\$90.00
20	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CE41929-0267
WTR ANALYSES		05/31/2024	N	N		06/30/2024	05/31/2024	\$0.00
06/20/2024					N			\$52.50
21	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CF40003-0267
LAB FEES		06/01/2024	N	N		07/01/2024	06/01/2024	\$0.00
06/20/2024					N			\$787.01
22	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CF40106-0267
WTR ANALYSES		06/04/2024	N	N		07/04/2024	06/04/2024	\$0.00
06/20/2024					N			\$105.00
23	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CF40107-0267
WTR ANALYSES		06/04/2024	N	N		07/04/2024	06/04/2024	\$0.00
06/20/2024					N			\$1,100.00
24	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CF40108-0267
WTR ANALYSES		06/04/2024	N	N		07/04/2024	06/04/2024	\$0.00
06/20/2024					N			\$1,650.00
25	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CF40111-0267
WTR ANALYSES		06/05/2024	N	N		07/05/2024	06/05/2024	\$0.00
06/20/2024					N			\$90.00
26	BENS / BEN'S LOCK & SAFE INC.							3873
R&M OFC		05/30/2024	N	N		06/30/2024	05/30/2024	\$0.00
06/20/2024					N			\$215.00
27	BESST,INC / BESST,INC							RCS040424
WELL 8		04/04/2024	N	N		05/04/2024	04/04/2024	\$0.00
06/20/2024					N			\$8,500.00
28	BPS B'S POOL SUPPLIES / B.P.S. B's POOL SUPPLIES							125818
SODIUM HYPO		05/13/2024	N	N		06/12/2024	05/13/2024	\$0.00
06/20/2024					N			\$1,224.48
29	BPS B'S POOL SUPPLIES / B.P.S. B's POOL SUPPLIES							126018
SODIUM HYPO		05/23/2024	N	N		06/22/2024	05/23/2024	\$0.00
06/20/2024					N			\$1,213.60
30	BUSINESS / BUSINESS TELECOMMUNICATION SYSTI							21371
TELEPHONE		06/15/2024	N	N		07/15/2024	06/15/2024	\$0.00
06/20/2024					N			\$671.31
31	CARQUEST AUTO PARTS / CARQUEST AUTO PARTS							7456-545147
PARTS		05/31/2024	N	N		06/30/2024	05/31/2024	\$0.00
06/20/2024					N			\$71.47
32	CALIFORNIA UNDERGROUND / CALIF UNDERGROUN							23-2425920
DIG SAFE		06/01/2024	N	N		07/01/2024	06/01/2024	\$0.00
06/20/2024					N			\$35.38

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33	CORE & MAIN / CORE & MAIN							U395361
VALVE		04/26/2024	N	N			05/26/2024 04/26/2024	\$0.00
06/20/2024					N			\$40,147.35
34	CORE & MAIN / CORE & MAIN							U943704
PARTS		05/24/2024	N	N			06/23/2024 05/24/2024	\$0.00
06/20/2024					N			\$1,239.09
35	C WELLS / C. WELLS PIPELINE MATLS, INC							SINV24-2268
PARTS		05/22/2024	N	N			06/21/2024 05/22/2024	\$0.00
06/20/2024					N			\$8,115.14
36	C WELLS / C. WELLS PIPELINE MATLS, INC							SINV24-2372
560.06		05/24/2024	N	N			06/23/2024 05/24/2024	\$0.00
06/20/2024					N			\$560.06
37	C WELLS / C. WELLS PIPELINE MATLS, INC							SINV24-2403
PARTS		05/29/2024	N	N			06/28/2024 05/29/2024	\$0.00
06/20/2024					N			\$2,035.80
38	C WELLS / C. WELLS PIPELINE MATLS, INC							SINV24-2407
PARTS		05/29/2024	N	N			06/28/2024 05/29/2024	\$0.00
06/20/2024					N			\$1,994.20
39	GEOTAB / GEOTAB USA, INC							IN386045
MAY.24" TRK TCKER		05/31/2024	N	N			06/30/2024 05/31/2024	\$0.00
06/20/2024					N			\$434.75
40	GRAINGER / GRAINGER							9131178320
SUPPLIES		05/24/2024	N	N			06/23/2024 05/24/2024	\$0.00
06/20/2024					N			\$81.32
41	GRAINGER / GRAINGER							9131178338
SUPPLIES		05/24/2024	N	N			06/23/2024 05/24/2024	\$0.00
06/20/2024					N			\$176.56
42	HACH CO. / HACH COMPANY							14049312
LAB PH3 KIT		05/29/2024	N	N			06/28/2024 05/29/2024	\$0.00
06/20/2024					N			\$1,350.11
43	HACH CO. / HACH COMPANY							14049313
LAB PH3 KIT		05/29/2024	N	N			06/28/2024 05/29/2024	\$0.00
06/20/2024					N			\$1,319.94
44	HARRINGTON INDUSTRIAL / HARRINGTON INDUSTRI							012N1214
PARTS		05/30/2024	N	N			06/29/2024 05/30/2024	\$0.00
06/20/2024					N			\$68.52
45	HARRINGTON INDUSTRIAL / HARRINGTON INDUSTRI							012N1215
PVC		05/30/2024	N	N			06/29/2024 05/30/2024	\$0.00
06/20/2024					N			\$729.34
46	HARRINGTON INDUSTRIAL / HARRINGTON INDUSTRI							012N1216
PARTS		05/30/2024	N	N			06/29/2024 05/30/2024	\$0.00
06/20/2024					N			\$425.09
47	HOUSTON HARRIS / HOUSTON & HARRIS PCS, INC.							24-26045
HYDRO WASH		05/24/2024	N	N			06/23/2024 05/24/2024	\$0.00
06/20/2024					N			\$1,837.00
48	IE ALARM SYSTEMS / IE ALARM SYSTEMS							240424
MONITORING SVC		06/01/2024	N	N			07/01/2024 06/01/2024	\$0.00
06/20/2024					N			\$123.09

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49	INFOSEND / INFOSEND, INC							263642.A
MAY.24" BILL PRINT		05/31/2024	N	N		06/30/2024	05/31/2024	\$0.00
06/20/2024					N			\$802.05
50	INFOSEND / INFOSEND, INC							263642.B
MAY.24" POSTAGE		05/31/2024	N	N		06/30/2024	05/31/2024	\$0.00
06/20/2024					N			\$2,722.56
51	KH METALS / KH METALS & SUPPLY							0670943-IN
PARTS		05/29/2024	N	N		06/28/2024	05/29/2024	\$0.00
06/20/2024					N			\$1,231.92
52	KH METALS / KH METALS & SUPPLY							0671027-IN
PARTS		05/30/2024	N	N		06/29/2024	05/30/2024	\$0.00
06/20/2024					N			\$475.21
53	LAWNMOWER CENTER / LAWNMOWER CENTER							6944
R&M EQUIP		06/04/2024	N	N		07/04/2024	06/04/2024	\$0.00
06/20/2024					N			\$38.05
54	LILLESTRAND / LILLESTRAND LEADERSHIP CONSUL							8013
CNSLT. LADD/BECK		05/31/2024	N	N		06/30/2024	05/31/2024	\$0.00
06/20/2024					N			\$1,250.00
55	LILLESTRAND / LILLESTRAND LEADERSHIP CONSUL							8015
CNSLT AGUIRRE		05/31/2024	N	N		06/30/2024	05/31/2024	\$0.00
06/20/2024					N			\$768.75
56	MASTER'S / MASTER'S SERVICES (GLACIER)							0000001037663
BTL WTR		06/05/2024	N	N		07/05/2024	06/05/2024	\$0.00
06/20/2024					N			\$35.00
57	MASTER'S / MASTER'S SERVICES (GLACIER)							0000001037667
BTL WTR		06/05/2024	N	N		07/05/2024	06/05/2024	\$0.00
06/20/2024					N			\$97.00
58	MERIT OIL / MERIT OIL COMPANY							844397
GASOLINE		05/22/2024	N	N		06/06/2024	05/22/2024	\$0.00
06/20/2024					N			\$1,418.31
59	MERIT OIL / MERIT OIL COMPANY							845472
GASOLINE		05/29/2024	N	N		06/13/2024	05/29/2024	\$0.00
06/20/2024					N			\$1,109.72
60	MERIT OIL / MERIT OIL COMPANY							845980
DIESEL		05/30/2024	N	N		06/14/2024	05/30/2024	\$0.00
06/20/2024					N			\$493.15
61	MV ENGINEERING SERVICES, INC / MV ENGINEERIN							2024-45
WTR CNSLT		06/03/2024	N	N		07/03/2024	06/03/2024	\$0.00
06/20/2024					N			\$400.00
62	MV ENGINEERING SERVICES, INC / MV ENGINEERIN							2024-46
ADM.ASSISTANCE		06/03/2024	N	N		07/03/2024	06/03/2024	\$0.00
06/20/2024					N			\$466.00
63	MV ENGINEERING SERVICES, INC / MV ENGINEERIN							2024-47
DEV SERVICES		06/03/2024	N	N		07/03/2024	06/03/2024	\$0.00
06/20/2024					N			\$4,298.00
64	NATIONAL PAVING CO / NATIONAL PAVING CO, INC							1-2324121
PAVING		06/03/2024	N	N		07/03/2024	06/03/2024	\$0.00
06/20/2024					N			\$13,881.67



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65	NATIONAL PAVING CO / NATIONAL PAVING CO, INC							1-2324120
PAVING		06/04/2024	N	N			07/04/2024	\$0.00
06/20/2024					N			\$22,658.19
66	PENHALL CO / PENHALL CO							196702
ASPHLT CUT		05/22/2024	N	N			06/21/2024	\$0.00
06/20/2024					N			\$924.00
67	RING BENDER / RING BENDER LLP							12149
CITY RVD APPEAL		06/04/2024	N	N			07/04/2024	\$0.00
06/20/2024					N			\$23,024.90
68	SCE / SCE							24U600000522796
STRT LIGHTS		06/03/2024	N	N			06/24/2024	\$0.00
06/20/2024					N			\$15,136.05
69	SCE / SCE							24U700244764992
STRT LIGHTS		06/03/2024	N	N			06/24/2024	\$0.00
06/20/2024					N			\$148.45
70	SCE / SCE							24U700617778997
FIRE STN UTLTY		06/05/2024	N	N			06/25/2024	\$0.00
06/20/2024					N			\$2,053.24
71	SCE / SCE							24U700040982544
MAIN OFC UTLTY		06/05/2024	N	N			06/25/2024	\$0.00
06/20/2024					N			\$1,603.37
72	SCG / THE GAS COMPANY							24U12013321489
5473 UTILITY		06/03/2024	N	N			06/21/2024	\$0.00
06/20/2024					N			\$14.79
73	SCG / THE GAS COMPANY							24U01302181001
FLD OFC UTLTY		06/03/2024	N	N			06/21/2024	\$0.00
06/20/2024					N			\$14.79
74	SCG / THE GAS COMPANY							24U17882256005
MAIN OFC UTILITY		06/03/2024	N	N			06/21/2024	\$0.00
06/20/2024					N			\$41.84
75	SCG / THE GAS COMPANY							24U05925730565
FIRE STN UTLTY		06/03/2024	N	N			06/21/2024	\$0.00
06/20/2024					N			\$92.93
76	SOCAL TRUCK / SOCAL TRUCKWORKS							14018
R&M TRUCK		05/29/2024	N	N			06/28/2024	\$0.00
06/20/2024					N			\$275.52
77	SCAQMD / SCAQMD							4367261
PERMITS/ASSC DUES		05/16/2024	N	N			06/15/2024	\$0.00
06/20/2024					N			\$165.96
78	SCAQMD / SCAQMD							4363800
REG FEE STATE		05/16/2024	N	N			06/15/2024	\$0.00
06/20/2024					N			\$541.04
79	STREAMLINE_DIGITAL / STREAMLINE							B89E97D4-0043
JUNE-JULY 24"WEBSITE		06/01/2024	N	N			07/01/2024	\$0.00
06/20/2024					N			\$497.00
80	THE PRESS-ENTERPRISE / THE PRESS ENTERPRISE							0000591998
NOTICE PUBLICATION		05/31/2024	N	N			06/30/2024	\$0.00
06/20/2024					N			\$1,077.52

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81	TRENCH SHORING COMPANY / TRENCH SHORING C							RI20401722
	RNTL EQUIP	05/03/2024	N	N			06/02/2024	\$0.00
06/20/2024					N			\$146.16
82	TRENCH SHORING COMPANY / TRENCH SHORING C							SI20004996
	PARTS	05/03/2024	N	N			06/02/2024	\$0.00
06/20/2024					N			\$753.15
83	UNDERGROUND SERVICE ALERT / UNDERGROUND :							520240571
	DIG SAFE	06/01/2024	N	N			07/01/2024	\$0.00
06/20/2024					N			\$113.25
84	VERIZON WIRELESS / VERIZON WIRELESS							9965507161
	CEL PHN CHRGS	06/01/2024	N	N			07/01/2024	\$0.00
06/20/2024					N			\$736.03
85	WESTERN MUNICIPAL WATER / WESTERN MUNICIPA							IN-15615
	MAR.24" BRINE	05/28/2024	N	N			06/27/2024	\$0.00
06/20/2024					N			\$154.65
86	YO FIRE / YO FIRE							2029970
	PARTS	05/29/2024	N	N			06/28/2024	\$0.00
06/20/2024					N			\$129.30
87	YO FIRE / YO FIRE							2030017
	PARTS	05/30/2024	N	N			06/29/2024	\$0.00
06/20/2024					N			\$258.60
88	AMERICAN RENTALS / AMERICAN RENTALS							558448
	CONCRETE CUT	06/04/2024	N	N			07/04/2024	\$0.00
06/20/2024					N			\$211.57
89	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CK31399-0267
	WTR ANALYSES	11/21/2023	N	N			12/21/2023	\$0.00
06/20/2024					N			\$135.00
90	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CA40676-0267
	WTR ANALYSES	01/10/2024	N	N			02/09/2024	\$0.00
06/20/2024					N			\$72.00
91	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CF40223-0267
	WTR ANALYSES	06/06/2024	N	N			07/06/2024	\$0.00
06/20/2024					N			\$100.00
92	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CF40225-0267
	WTR ANALYSES	06/06/2024	N	N			07/06/2024	\$0.00
06/20/2024					N			\$80.00
93	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CF40226-0267
	WTR ANALYSES	06/06/2024	N	N			07/06/2024	\$0.00
06/20/2024					N			\$40.00
94	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CF40296-0267
	WTR ANALYSES	06/07/2024	N	N			07/07/2024	\$0.00
06/20/2024					N			\$200.00
95	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CF40298-0267
	WTR ANALYSES	06/07/2024	N	N			07/07/2024	\$0.00
06/20/2024					N			\$60.00
96	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CF40299-0267
	WTR ANALYSES	06/07/2024	N	N			07/07/2024	\$0.00
06/20/2024					N			\$80.00

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PO Number		Immediate GL Account	Immediate GL Account		Check #		Payment Date	Discount
GL Date					Credit Card	CC Reference #		Total Invoice
97	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CF40311-0267
WTR ANALYSES		06/07/2024	N	N			07/07/2024	\$0.00
06/20/2024					N			\$62.00
98	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CF40359-0267
WTR ANALYSES		06/10/2024	N	N			07/10/2024	\$0.00
06/20/2024					N			\$105.00
99	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CF40378-0267
WTR ANALYSES		06/10/2024	N	N			07/10/2024	\$0.00
06/20/2024					N			\$20.00
100	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN							CF404070267
WTR ANALYSES		06/10/2024	N	N			07/10/2024	\$0.00
06/20/2024					N			\$550.00
101	BRINKS / BRINKS INC.							12632556
JUNE 24" ARMRD		06/01/2024	N	N			07/01/2024	\$0.00
06/20/2024					N			\$1,471.08
102	CARQUEST AUTO PARTS / CARQUEST AUTO PARTS							7456-545467
R&M TRUCK		06/07/2024	N	N			07/07/2024	\$0.00
06/20/2024					N			\$7.65
103	CORODATA SHREDDING, INC / CORODATA SHREDDII							DN1474358
SHREDDING		06/12/2024	N	N			07/12/2024	\$0.00
06/20/2024					N			\$73.50
104	EDGEWOOD PARTNERS INS / EDGEWOOD PARTNER							565093
COMM INS		06/03/2024	N	N			07/03/2024	\$0.00
06/20/2024					N			\$35,621.00
105	EDGEWOOD PARTNERS INS / EDGEWOOD PARTNER							565094
AUTO INS		06/03/2024	N	N			07/03/2024	\$0.00
06/20/2024					N			\$5,149.00
106	EDGEWOOD PARTNERS INS / EDGEWOOD PARTNER							565095
EXCESS LIAB INS.		06/03/2024	N	N			07/03/2024	\$0.00
06/20/2024					N			\$6,284.00
107	ERS INDUSTRIAL SERVICES, INC. / ERS INDUSTRIAL							101198
VALVES		06/10/2024	N	N			07/10/2024	\$0.00
06/20/2024					N			\$42,680.00
108	HOME DEPOT / HOME DEPOT CREDIT SERVICES							007952/8024702
SUPPLIES		06/07/2024	N	N			07/07/2024	\$0.00
06/20/2024					N			\$324.54
109	INFOSEND / INFOSEND, INC							262602.A
PROP 218 SOLID WASTE		05/15/2024	N	N			06/14/2024	\$0.00
06/20/2024					N			\$2,192.92
110	INFOSEND / INFOSEND, INC							262602.B
PROP 218 SOLID WASTE		05/15/2024	N	N			06/14/2024	\$0.00
06/20/2024					N			\$3,843.67
111	KH METALS / KH METALS & SUPPLY							0671466-IN
PARTS		06/05/2024	N	N			07/05/2024	\$0.00
06/20/2024					N			\$298.81
112	NATIONAL PAVING CO / NATIONAL PAVING CO, INC							1-2324122
PAVING		06/06/2024	N	N			07/06/2024	\$0.00
06/20/2024					N			\$21,340.78

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GL Date	Immediate GL Account				Credit Card	CC Reference #	Payment Date	Total Invoice
113	FELIPE ROBLEDO JR. / FELIPE ROBLEDO JR.							20240531
T-1 CERT		05/31/2024	N	N			06/30/2024 05/31/2024	\$0.00
06/20/2024					N			\$55.00
114	SCAQMD / SCAQMD							4363051
REG FEE STATE		05/16/2024	N	N			06/15/2024 05/16/2024	\$0.00
06/20/2024					N			\$1,242.00
115	SCAQMD / SCAQMD							4364324
REG FEE STATE		05/16/2024	N	N			06/15/2024 05/16/2024	\$0.00
06/20/2024					N			\$165.96
116	SPECTRUM / SPECTRUM BUSINESS							00254560624
MAY.24"INT SVC		06/06/2024	N	N			07/06/2024 06/06/2024	\$0.00
06/20/2024					N			\$373.91
117	TRUSSELL TECHNOLOGIES / TRUSSELL TECHNOLOG							0000009884
THMPS MAGANESE		06/07/2024	N	N			07/07/2024 06/07/2024	\$0.00
06/20/2024					N			\$7,578.75
118	VARNER / VARNER & BRANDT LLP							20240531
MAY.24" LGL CNSLT		05/31/2024	N	N			06/30/2024 05/31/2024	\$0.00
06/20/2024					N			\$453.12
119	VULCAN MATERIALS / CALMAT Dba VULCAN MATERI							74017558
CL2 BASE		05/31/2024	N	N			06/30/2024 05/31/2024	\$0.00
06/20/2024					N			\$826.64
120	WATERWISEPRO TRAINING LLC / WATERWISEPRO T							0000252
JOB POSTING		05/22/2024	N	N			06/21/2024 05/22/2024	\$0.00
06/20/2024					N			\$200.00
121	WESTERN MUNICIPAL WATER / WESTERN MUNICIPA							RI-5291
JUNE.24" BRINE FIXED		06/01/2024	N	N			07/01/2024 06/01/2024	\$0.00
06/20/2024					N			\$749.94
122	YO FIRE / YO FIRE							2030217
PARTS		06/06/2024	N	N			07/06/2024 06/06/2024	\$0.00
06/20/2024					N			\$926.65
123	DURNEY DON / DURNEY, DON							20240611
GRDNG/WD ABATE		06/11/2024	N	N			07/11/2024 06/11/2024	\$0.00
06/20/2024					N			\$2,285.00
124	IB CONSULT / IB CONSULTING, LLC							19608
C.O.S.S		04/09/2024	N	N			05/09/2024 04/09/2024	\$0.00
06/20/2024					N			\$2,740.00
125	IB CONSULT / IB CONSULTING, LLC							19638
C.O.S.S		06/06/2024	N	N			07/06/2024 06/06/2024	\$0.00
06/20/2024					N			\$1,200.00
126	KRIEGER & STEWART / KRIEGER & STEWART, INC.							49646
WTR CNSLT		05/28/2024	N	N			06/27/2024 05/28/2024	\$0.00
06/20/2024					N			\$2,902.00
127	KRIEGER & STEWART / KRIEGER & STEWART, INC.							49647
WSTE WTR CNSLT		05/28/2024	N	N			06/27/2024 05/28/2024	\$0.00
06/20/2024					N			\$219.00
128	KRIEGER & STEWART / KRIEGER & STEWART, INC.							49648
PRETRTMNT		05/28/2024	N	N			06/27/2024 05/28/2024	\$0.00
06/20/2024					N			\$2,889.20

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GL Date	Immediate GL Account				Credit Card	CC Reference #	Payment Date	Total Invoice
129	KRIEGER & STEWART / KRIEGER & STEWART, INC.							49649
RUBIDOUX COMMERCE PF	05/28/2024	N	N			06/27/2024	05/28/2024	\$0.00
06/20/2024					N			\$93.50
130	KRIEGER & STEWART / KRIEGER & STEWART, INC.							49650
AGUA COMM PK 37528	05/28/2024	N	N			06/27/2024	05/28/2024	\$0.00
06/20/2024					N			\$929.75
131	KRIEGER & STEWART / KRIEGER & STEWART, INC.							49651
TR 36649	05/28/2024	N	N			06/27/2024	05/28/2024	\$0.00
06/20/2024					N			\$1,556.46
132	KRIEGER & STEWART / KRIEGER & STEWART, INC.							49652
EMRLD RDGE 37640	05/28/2024	N	N			06/27/2024	05/28/2024	\$0.00
06/20/2024					N			\$434.25
133	KRIEGER & STEWART / KRIEGER & STEWART, INC.							49653
EMRLD RDGE 37640	05/28/2024	N	N			06/27/2024	05/28/2024	\$0.00
06/20/2024					N			\$48.25
134	KRIEGER & STEWART / KRIEGER & STEWART, INC.							49654
EMRLD RDGE 37640	05/28/2024	N	N			06/27/2024	05/28/2024	\$0.00
06/20/2024					N			\$723.75
135	KRIEGER & STEWART / KRIEGER & STEWART, INC.							49655
SADDLEHORN 38171	05/28/2024	N	N			06/27/2024	05/28/2024	\$0.00
06/20/2024					N			\$99.50
136	KRIEGER & STEWART / KRIEGER & STEWART, INC.							49656
EMRLD RDGE 36947	05/28/2024	N	N			06/27/2024	05/28/2024	\$0.00
06/20/2024					N			\$1,954.25
137	KRIEGER & STEWART / KRIEGER & STEWART, INC.							49657
RCSO NORTH TOWN	05/28/2024	N	N			06/27/2024	05/28/2024	\$0.00
06/20/2024					N			\$158.25
138	KRIEGER & STEWART / KRIEGER & STEWART, INC.							49658
TR 37211	05/28/2024	N	N			06/27/2024	05/28/2024	\$0.00
06/20/2024					N			\$2,638.75
139	KRIEGER & STEWART / KRIEGER & STEWART, INC.							49659
J.V TRACK 38318	05/28/2024	N	N			06/27/2024	05/28/2024	\$0.00
06/20/2024					N			\$2,901.25
140	KRIEGER & STEWART / KRIEGER & STEWART, INC.							49660
MISSION VILLAGE	05/28/2024	N	N			06/27/2024	05/28/2024	\$0.00
06/20/2024					N			\$1,680.75
141	KRIEGER & STEWART / KRIEGER & STEWART, INC.							49661
RCSO TRACK 37857	05/28/2024	N	N			06/27/2024	05/28/2024	\$0.00
06/20/2024					N			\$2,742.75
142	KRIEGER & STEWART / KRIEGER & STEWART, INC.							49662
WTR CNSLT	05/28/2024	N	N			06/27/2024	05/28/2024	\$0.00
06/20/2024					N			\$7,304.15
143	KRIEGER & STEWART / KRIEGER & STEWART, INC.							49663
WILSON WVWD INTER	05/28/2024	N	N			06/27/2024	05/28/2024	\$0.00
06/20/2024					N			\$220.00
144	KRIEGER & STEWART / KRIEGER & STEWART, INC.							49664
THMP FILT SYS	05/28/2024	N	N			06/27/2024	05/28/2024	\$0.00
06/20/2024					N			\$24,721.00

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GL Date		Immediate	Immediate GL Account		Credit Card	CC Reference #	Payment Date	Total Invoice
145	KRIEGER & STEWART / KRIEGER & STEWART, INC.							49665
2023 MANUAL		05/28/2024	N	N			06/27/2024	\$0.00
06/20/2024					N			\$9,487.75
146	KRIEGER & STEWART / KRIEGER & STEWART, INC.							49666
RCSD ASSESSMENT		05/28/2024	N	N			06/27/2024	\$0.00
06/20/2024					N			\$13,540.27
147	RCSD PETTY CASH / RCSD							20240612
PETTY CASH REIM.		06/12/2024	N	N			07/12/2024	\$0.00
06/20/2024					N			\$234.28
148	UNIVAR SOLUTIONS / UNIVAR SOLUTIONS							52161441
SODIUM HYPO		06/10/2024	N	N			07/10/2024	\$0.00
06/20/2024					N			\$5,379.75
149	720 CARPET CLEANING / 720 CARPET CLEANING							5040
JUNE.24" CLNG SVC		06/12/2024	N	N			07/12/2024	\$0.00
06/20/2024					N			\$1,150.00
150	CARQUEST AUTO PARTS / CARQUEST AUTO PARTS							7456-545718
SUPPLIES		06/12/2024	N	N			07/12/2024	\$0.00
06/20/2024					N			\$4.26
151	MARCO GOMEZ / MARCO GOMEZ							20240520
D3 CERT		05/20/2024	N	N			06/19/2024	\$0.00
06/20/2024					N			\$160.00
152	HACH CO. / HACH COMPANY							14067470
CHEMICALS		06/12/2024	N	N			07/12/2024	\$0.00
06/20/2024					N			\$652.65
153	HARRINGTON INDUSTRIAL / HARRINGTON INDUSTRI							012N1388
PVC		06/10/2024	N	N			07/10/2024	\$0.00
06/20/2024					N			\$66.95
154	HARRINGTON INDUSTRIAL / HARRINGTON INDUSTRI							012N1418
PVC		06/11/2024	N	N			07/11/2024	\$0.00
06/20/2024					N			\$21.45
155	MERIT OIL / MERIT OIL COMPANY							846662
GASOLINE		06/05/2024	N	N			06/20/2024	\$0.00
06/20/2024					N			\$1,699.91
156	TRI-CO DISPOSAL INC / TRI-CO DISPOSAL, INC							0529-061224.A
COMM TRSH		06/13/2024	N	N			07/13/2024	\$0.00
06/20/2024					N			\$57,146.47
157	TRI-CO DISPOSAL INC / TRI-CO DISPOSAL, INC							0529-061224.B
RES TRSH		06/13/2024	N	N			07/13/2024	\$0.00
06/20/2024					N			\$143,772.47
158	TRI-CO DISPOSAL INC / TRI-CO DISPOSAL, INC							0529-061224.C
RCSD SHR COMM		06/13/2024	N	N			07/13/2024	\$0.00
06/20/2024					N			(\$8,000.51)
159	TRI-CO DISPOSAL INC / TRI-CO DISPOSAL, INC							0529-061224.D
RCSD SHR RES		06/13/2024	N	N			07/13/2024	\$0.00
06/20/2024					N			(\$4,255.71)

**Grand Totals**

**Total Direct Expense:** \$613,622.79  
**Total Direct Expense Adj:** (\$12,256.22)  
**Total Non-Electronic Transactions:** \$601,366.57

*BAC*  
6/17/24

*KA*  
6/18/24

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PO Number		Immediate	GL Account		Credit Card	CC Reference #		Payment Date	Discount
GL Date									Total Invoice

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**Report Summary**

	<b>Report Selection Criteria</b>		
<b>Report Type:</b>	Condensed		
	<b>Start</b>		<b>End</b>
<b>Transaction Number:</b>	Start		End

5. **CONSENT CALENDAR** (continued)

C. **DM 2024-50**: Receive and File Statement of Cash Asset Schedule  
Report Ending May 2024



# Rubidoux Community Services District

## Board of Directors

John Skerbelis, President  
Hank Trueba Jr., Vice-President  
Bernard Murphy  
Armando Muniz  
F. Forest Trowbridge



## General Manager

Brian R. Laddusaw

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Water Resource Management    Refuse Collection    Street Lights    Fire / Emergency Services    Weed Abatement

## DIRECTORS MEMORANDUM 2024-50

June 20, 2024

**To:** Rubidoux Community Services District  
Board of Directors

**Subject:** Receive and File Statement of Cash Asset Schedule Report Ending May 2024

### BACKGROUND:

Attached for the Board of Directors' consideration is the May 2024 Statement of Cash Assets Schedule Report for all District Fund Accounts. Year to date ("YTD") interest is \$1,235,269.10 for District controlled accounts. With respect to District "Funds in Trust," \$14,529.41 has been earned and posted. The District has a combined YTD interest earned total of \$1,249,798.51 as of May 31, 2024.

The District's Operating Funds (Excluding Restricted Funds and Operating Reserves) show a balance of \$15,098,589.10 ending May 31, 2024. This is **\$938,856.35 MORE** than July 1, 2023, beginning balance of \$14,159,732.75.

Further, the District's Field/Admin Fund current fund balance is \$785,312.14.

Submitted for the Board of Directors consideration is the *May 2024 Statement of Cash Assets Schedule Report* for review and acceptance.

**RECOMMENDATION:**

Staff recommends the Board of Directors “**Receive and File**” the May 2024 Statement of Cash Assets Schedule Report.

Respectfully,



BRIAN R. LADDUSAW, CPA  
General Manager

Attachment(s): May 2024, Cash Assets Schedule Report

RUBIDOUX COMMUNITY SERVICES DISTRICT

INVESTMENT SUMMARY - MAY 31, 2024  
CASH BASIS

	Beg. Balance 7/1/2023	YTD Int.	Other Activity YTD	Balance 5/31/2024	YTD Avg. Int. Rate
<b>Operating Accounts</b>	<b>\$ 14,159,732.75</b>	<b>\$ 462,689.08</b>	<b>\$ 476,167.27</b>	<b>\$ 15,098,589.10</b>	<b>3.06%</b>
Water Operating Reserve	4,350,030.08	164,580.36	-	4,514,610.44	3.65%
Wastewater Operating Reserve	594,121.20	22,478.17	-	616,599.37	3.65%
Water Replacement Reserve	925,390.63	25,316.49	(487,665.33)	463,041.79	5.47%
Fire Mitigation Reserve	3,509,799.71	130,818.63	16,567.85	3,657,186.19	3.58%
Wastewater Reserve	2,546,413.30	95,652.36	128,750.23	2,770,815.89	3.45%
Wastewater Replacement Res.	555,486.59	22,250.55	43,200.30	620,937.44	3.58%
Water Reserve	2,833,192.90	99,829.28	(53,098.05)	2,879,924.13	3.47%
COP Restricted	1,677,828.24	63,067.79	(201,057.88)	1,539,838.15	4.10%
Field/Admin Reserve	756,762.79	28,514.71	34.64	785,312.14	3.63%
Grant Restricted Reserve	53,917.61	1,461.53	(55,379.14)	-	2.71%
Project Admin Building	1,111,853.50	42,066.20	-	1,153,919.70	3.65%
Project Ops Building	2,023,136.18	76,543.95	-	2,099,680.13	3.65%
Funds in Trust	1,109,503.24	14,529.41	(8,116.33)	1,115,916.32	1.30%
<b>Total Investments</b>	<b>\$ 36,207,168.72</b>	<b>\$ 1,249,798.51</b>	<b>\$ (140,596.44)</b>	<b>\$ 37,316,370.79</b>	<b>3.35%</b>

RUBIDOUX COMMUNITY SERVICES DISTRICT  
**CASH ASSET SCHEDULE**  
**INVESTMENT ACTIVITY**  
 FOR PERIOD JULY 1, 2023 THRU MAY 31, 2024  
 CASH BASIS

<b>FIRE MITIGATION</b>									
<u>DATE</u>	<u>INSTITUTION</u>	<u>INSTRUMENT</u>	<u>MATURITY</u>	<u>STATUS</u>	<u>PURCHASE / REDEEM</u>	<u>INT. RATE</u>	<u>INTEREST</u>	<u>PAR/ BALANCE</u>	<u>TOTAL</u>
5/1/2024	Premier Bank	<b>CD</b>		Beg. Bal.				170,424.60	
	Premier Bank			Interest	684.89	4.88%	-	170,424.60	
	Premier Bank			Redeem	-			170,424.60	
5/31/2024	Premier Bank	<b>CD</b>	10/3/2024	Purchase	-			170,424.60	
5/1/2024	Premier Bank	<b>Checking Fire Mitigation</b>		Beg. Bal.				8,835.50	
	Premier Bank			Activity	-	0.00	-	8,835.50	
5/31/2024	Premier Bank			End Bal.	-			8,835.50	
5/1/2024	LAIF	<b>Fire Mitigation</b>		Beg. Bal.				3,448,465.71	
	LAIF			Interest		4.30%	-	3,448,465.71	
5/31/2024	LAIF			Activity	3,186.30			3,451,652.01	
5/1/2024	Premier Bank	<b>Safekeeping</b>		Beg. Bal.				25,589.19	
	Premier Bank			Activity	-	-	684.89	26,274.08	
5/31/2024	Premier Bank			End Bal.				26,274.08	\$ 3,657,186.19

RUBIDOUX COMMUNITY SERVICES DISTRICT  
**CASH ASSET SCHEDULE**  
**INVESTMENT ACTIVITY**  
 FOR PERIOD JULY 1, 2023 THRU MAY 31, 2024  
 CASH BASIS

**WASTEWATER CIP FUNDS**

<u>DATE</u>	<u>INSTITUTION</u>	<u>INSTRUMENT</u>	<u>MATURITY</u>	<u>STATUS</u>	<u>PURCHASE / REDEEM</u>	<u>INT. RATE</u>	<u>INTEREST</u>	<u>PAR/ BALANCE</u>	<u>TOTAL</u>
5/1/2024	LAIF	<b>Sewer Mainline</b>		Beg. Bal.				2,690,012.27	
	LAIF			Interest		4.30%	-	2,690,012.27	
5/31/2024	LAIF			Activity	8,378.41			2,698,390.68	
5/1/2024	CBB	<b>Safekeeping</b>		Beg. Bal.				72,425.21	
	CBB			Activity	-	0.05%	-	72,425.21	
5/31/2024	CBB			End Bal.				72,425.21	\$ 2,770,815.89

RUBIDOUX COMMUNITY SERVICES DISTRICT  
**CASH ASSET SCHEDULE**  
**INVESTMENT ACTIVITY**  
 FOR PERIOD JULY 1, 2023 THRU MAY 31, 2024  
 CASH BASIS

**WATER CIP FUNDS**

<u>DATE</u>	<u>INSTITUTION</u>	<u>INSTRUMENT</u>	<u>MATURITY</u>	<u>STATUS</u>	<u>PURCHASE / REDEEM</u>	<u>INTEREST RATE</u>	<u>INTEREST</u>	<u>PAR/ BALANCE</u>	<u>TOTAL</u>
5/1/2024	LAIF	<b>Water Mainline</b>		Beg. Bal.				2,704,644.53	
	LAIF			Interest		4.30%	-	2,704,644.53	
5/31/2024	LAIF			Activity	(76,936.13)			2,627,708.40	
5/1/2024	Citizens Bus	<b>CD</b>		Beg. Bal.				-	
	Citizens Bus			Activity	-	0.04%	-	-	
	Citizens Bus			Redeem	-	n/a		-	
5/31/2024	Citizens Bus	<b>CD</b>		Purchase	-			-	
5/1/2024	Premier Bank	<b>Safekeeping</b>		Beg. Bal.				1,670.97	
	Premier Bank			Activity	-	-	-	1,670.97	
5/31/2024	Premier Bank			End Bal.				1,670.97	
5/1/2024	CBB	<b>Safekeeping</b>		Beg. Bal.				250,544.76	
	CBB			Activity	-	0.05%	-	250,544.76	
5/31/2024	CBB			End Bal.				250,544.76	\$ 2,879,924.13

RUBIDOUX COMMUNITY SERVICES DISTRICT  
**CASH ASSET SCHEDULE**  
**INVESTMENT ACTIVITY**  
 FOR PERIOD JULY 1, 2023 THRU MAY 31, 2024  
 CASH BASIS

**OPERATING FUNDS**

<u>DATE</u>	<u>INSTITUTION</u>	<u>INSTRUMENT</u>	<u>MATURITY</u>	<u>STATUS</u>	<u>DEPOSIT/ WITHDRAW</u>	<u>INTEREST RATE</u>	<u>INTEREST</u>	<u>PAR/ BALANCE</u>	<u>TOTAL</u>
5/1/2024	Premier Bank	<b>Checking-Gen.</b>		Beg. Bal.				185,247.05	
	Premier Bank			Deposits	2,291,948.44	0.00	-	2,477,195.49	
5/31/2024	Premier Bank			Disbursements	(2,139,169.97)			338,025.52	
5/1/2024	Premier Bank	<b>Checking Property Tax</b>		Beg. Bal.				246,549.06	
	Premier Bank			Deposits	842,432.57	0.00	-	1,088,981.63	
5/31/2024	Premier Bank			Disbursements	(243,000.00)			845,981.63	
5/1/2024	Premier Bank	<b>Checking-Sewer</b>		Beg. Bal.				5,296.32	
	Premier Bank			Deposits	279,298.11	0.00	-	284,594.43	
5/31/2024	Premier Bank			Disbursements	(278,372.37)			6,222.06	
5/1/2024	Premier Bank	<b>Checking-Water</b>		Beg. Bal.				889,682.18	
	Premier Bank			Deposits	1,572,608.69	0.00	-	2,462,290.87	
5/31/2024	Premier Bank			Disbursements	(1,360,152.89)			1,102,137.98	
5/1/2024	Bank of America	<b>Paymode</b>		Beg. Bal.				3,290.13	
	Bank of America			Deposits	-	0.00	0.71	3,290.84	
5/31/2024	Bank of America			Disbursements	-			3,290.84	

RUBIDOUX COMMUNITY SERVICES DISTRICT  
**CASH ASSET SCHEDULE**  
**INVESTMENT ACTIVITY**  
 FOR PERIOD JULY 1, 2023 THRU MAY 31, 2024  
 CASH BASIS  
**OPERATING FUNDS**

<u>DATE</u>	<u>INSTITUTION</u>	<u>INSTRUMENT</u>	<u>MATURITY</u>	<u>STATUS</u>	<u>DEPOSIT/ WITHDRAW</u>	<u>INTEREST RATE</u>	<u>INTEREST</u>	<u>PAR/ BALANCE</u>	<u>TOTAL</u>
5/1/2024	Premier Bank	<b>Operations</b>		Beg. Bal				276,342.99	
	Premier Bank	<b>Safekeeping</b>		Deposits	-	-	-	276,342.99	
5/31/2024	Premier Bank			Disbursements				276,342.99	
5/1/2024	LAIF	<b>Gen. Fund-Prop Tax</b>		Beg. Bal.				10,124,166.14	
	LAIF	Qtrly. Interest		Interest		4.30%	-	10,124,166.14	
5/31/2024	LAIF			Activity	7,813.70			10,131,979.84	
5/1/2024	LAIF	<b>Water Op.</b>		Beg. Bal.				786,198.89	
	LAIF	Qtrly. Interest		Interest		4.30%	-	786,198.89	
5/31/2024	LAIF			Activity	170,172.63			956,371.52	
5/1/2024	LAIF	<b>Sewer Op.</b>		Beg. Bal.				1,525,237.43	
	LAIF	Qtrly. Interest		Interest		4.30%	-	1,525,237.43	
5/31/2024	LAIF			Activity	(87,000.71)			1,438,236.72	\$15,098,589.10



RUBIDOUX COMMUNITY SERVICES DISTRICT  
**CASH ASSET SCHEDULE**  
**INVESTMENT ACTIVITY**  
FOR PERIOD JULY 1, 2023 THRU MAY 31, 2024  
CASH BASIS  
**RESERVED FUNDS**

<u>DATE</u>	<u>INSTITUTION</u>	<u>INSTRUMENT</u>	<u>MATURITY</u>	<u>STATUS</u>	<u>DEPOSIT/ WITHDRAW</u>	<u>INTEREST RATE</u>	<u>INTEREST</u>	<u>PAR/ BALANCE</u>	<u>TOTAL</u>
5/1/2024	LAIF	<b>Water Op. Reserve</b>		Beg. Bal.				4,514,610.44	
	LAIF	Qtrly. Interest		Interest	-	4.30%	-	4,514,610.44	
5/31/2024	LAIF			Activity	-			4,514,610.44	
5/1/2024	LAIF	<b>Water Replacement</b>		Beg. Bal.				467,278.29	
	LAIF	Qtrly. Interest		Interest		4.30%	-	467,278.29	
5/31/2024	LAIF			Activity	(4,236.50)			463,041.79	
5/1/2024	LAIF	<b>Wastewater Replacement</b>		Beg. Bal.				625,315.14	
	LAIF	Qtrly. Interest		Interest		4.30%	-	625,315.14	
5/31/2024	LAIF			Activity	(4,377.70)			620,937.44	
5/1/2024	LAIF	<b>COP-Payback</b>		Beg. Bal.				1,556,838.15	
	LAIF	Qtrly. Interest		Interest		4.30%	-	1,556,838.15	
5/31/2024	LAIF			Activity	(17,000.00)			1,539,838.15	
5/1/2024	LAIF	<b>Grant-Trash</b>		Beg. Bal.				-	
	LAIF	Qtrly Interest		Interest	-	4.30%	-	-	
5/31/2024	LAIF			Activity	-			-	
5/1/2024	LAIF	<b>Field/Admin Bldg.</b>		Beg. Bal.				785,312.14	
	LAIF	Qtrly Interest		Interest	-	4.30%	-	785,312.14	
5/31/2024	LAIF			Activity	-			785,312.14	
5/1/2024	LAIF	<b>Wastewater Op. Reserve</b>		Beg. Bal.				616,599.37	
	LAIF	Qtrly. Interest		Interest	-	4.30%	-	616,599.37	
5/31/2024	LAIF			Activity	-			616,599.37	
5/1/2024	LAIF	<b>Project Admin Bldg</b>		Beg. Bal.				1,153,919.70	
	LAIF	Qtrly. Interest		Interest	-	4.30%	-	1,153,919.70	
5/31/2024	LAIF			Activity	-			1,153,919.70	
5/1/2024	LAIF	<b>Project Ops Bldg</b>		Beg. Bal.				2,099,680.13	
	LAIF	Qtrly. Interest		Interest	-	4.30%	-	2,099,680.13	
5/31/2024	LAIF			Activity	-			2,099,680.13	\$11,793,939.16

RUBIDOUX COMMUNITY SERVICES DISTRICT  
**CASH ASSET SCHEDULE**  
**INVESTMENT ACTIVITY**  
 FOR PERIOD JULY 1, 2023 THRU MAY 31, 2024  
 CASH BASIS  
**FUNDS IN TRUST**

<u>DATE</u>	<u>INSTITUTION</u>	<u>INSTRUMENT</u>	<u>MATURITY</u>	<u>STATUS</u>	<u>PURCHASE / REDEEM</u>	<u>INTEREST RATE</u>	<u>INTEREST</u>	<u>PAR/ BALANCE</u>	<u>TOTAL</u>
5/1/2024	U.S. Bank	<b>COP's Refunding-Series 1998</b>						748,216.35	
		Install Sale		-	-	4.79%	-	748,216.35	
		Reserve-LAIF (From US Bank)		748,303.68	-	4.79%	87.33	748,303.68	
5/31/2024								748,303.68	
5/1/2024	Premier Bank	<b>Fiscal Agent-SRL MN Plant</b>		Beg. Bal				367,565.94	
		Deposits			-	0.073%	46.70	367,612.64	
5/31/2024		Disbursements			-			367,612.64	\$ 1,115,916.32
					TOTAL CASH FUNDS				\$37,316,370.79

RCS D PORTFOLIO HOLDINGS REPORT  
MAY 31, 2024

<u>Issuer</u>	<u>Maturity</u>	<u>Acquisition Cost</u>	<u>Current Market</u>	<u>Gain/Loss</u>	<u>Yld Mat</u>
AGENCY		-	-	-	-
U.S. TREASURIES		-	-	-	-
COMMERCIAL PAPER		-	-	-	-
FUNDS IN TRUST		\$ 1,115,916.32	\$ 1,115,916.32		
<b>COLLATERALIZED TIME DEPOSITS</b>					
Premier	10/3/2024	\$ 170,424.60	\$ 170,424.60		4.88%
<b>CASH EQUIVALENT &amp; MONEY MARKET</b>					
LOCAL AGENCY INVESTMENT FUND (LAIF)		\$ 33,098,278.33	\$ 33,098,278.33	-	4.30%
DEPOSITS HELD WITH FINANCIAL INSTITUTIONS		2,931,751.54	2,931,751.54	-	-
Subtotals		<u>\$ 36,030,029.87</u>	<u>\$ 36,030,029.87</u>	-	
GRAND TOTALS		<u>\$ 37,316,370.79</u>	<u>\$ 37,316,370.79</u>	-	

**RCSD INVESTMENT PORTFOLIO  
MAY 31, 2024**

**Maturity**

30 days or less  
31-90 Days  
91 Day - 1 Year

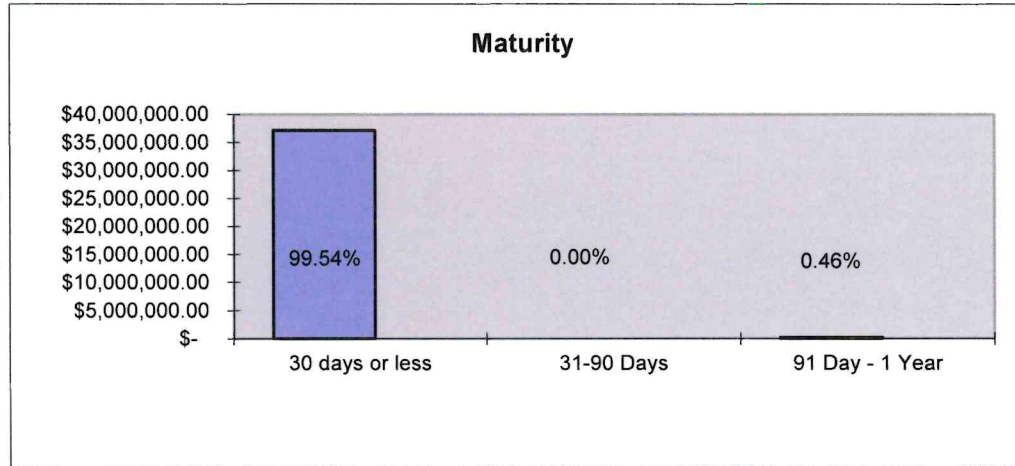
Total

**Assets**

\$ 37,145,946.19  
-  
170,424.60  

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**\$ 37,316,370.79**



**Sector**

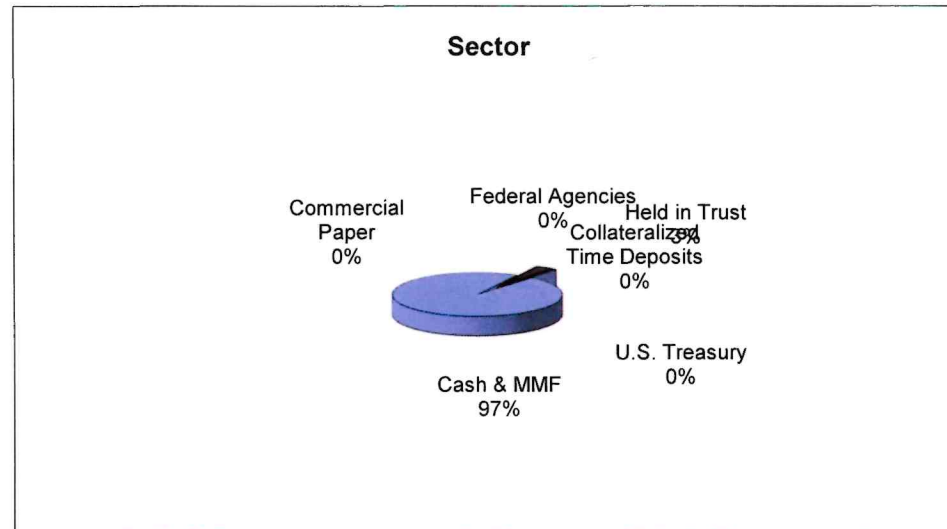
Cash & MMF  
U.S. Treasury  
Federal Agencies  
Commercial Paper  
Held in Trust  
Collateralized Time Deposits

Total

\$ 36,030,029.87  
-  
-  
-  
1,115,916.32  
170,424.60  

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**\$ 37,316,370.79**



5. **CONSENT CALENDAR** (continued)

- D. **DM 2024-51**: Consider Adoption of Resolution No. 2024-915, A Resolution Authorizing the Use of PlanetBids for Procurement Advertising

# Rubidoux Community Services District

## Board of Directors

John Skerbelis, President  
Hank Trueba Jr., Vice-President  
Bernard Murphy  
Armando Muniz  
F. Forest Trowbridge



## General Manager

Brian R. Laddusaw

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Water Resource Management    Refuse Collection    Street Lights    Fire / Emergency Services    Weed Abatement

## DIRECTORS MEMORANDUM 2024-51

June 20, 2024

**To:** Rubidoux Community Services District  
Board of Directors

**Subject:** Consider Adoption of Resolution No. 2024-915, A Resolution Authorizing the Use of PlanetBids for Procurement Advertising

### **BACKGROUND:**

In accordance with the state laws Rubidoux Community Services District ("District") is currently required to publish procurement opportunities in local newspapers to ensure transparency and encourage competitive bidding. While this method has served its purpose for many years, advancements in technology and changes in media consumption habits necessitate a reevaluation of the District's approach to advertising procurement opportunities. Further, effective procurement practices are essential for the efficient operation of the District.

Previously during the District's February 15, 2024 regularly scheduled Board of Directors ("Board") meeting, the Board approved the execution of a Support Services Agreement with PlanetBids. District staff subsequently established the agreement and went through training for the use of the procurement portal. The District now has an established profile that vendors can register for. Currently the District has over 315 registered vendors to its profile.

In order to formally adopt the use of PlanetBids as a replacement for newspaper publishing, the District must adopt a resolution as stated in California Public Contract Code 20682.5.

*"(d) If the general manager recommends and the board of directors determines that the publication of advertisements of the notice in trade journals and papers in lieu of publication pursuant to subdivision (c) will increase the number of business enterprises receiving that notice, the board of directors may by resolution declare that those notices shall be published in trade journals and papers at least 10 days prior to the time specified for receiving bids."*

**RECOMMENDATION:**

Staff recommends the Board of Directors adopt Resolution No. 2024-915.

Respectfully,



BRIAN R. LADDUSAW, CPA  
General Manager

Attach:

1. Draft Resolution No. 2024-915

**RESOLUTION NO. 2024-915**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF RUBIDOUX  
COMMUNITY SERVICES DISTRICT  
AUTHORIZING THE USE OF PLANETBIDS FOR PROCUREMENT  
ADVERTISING**

**WHEREAS**, the Rubidoux Community Services District ("District") is committed to ensuring transparency, efficiency, and cost-effectiveness in its procurement processes; and

**WHEREAS**, the current practice of advertising procurement opportunities in local newspapers incurs significant costs and may not reach the widest possible audience of potential bidders; and

**WHEREAS**, PlanetBids provides a secure, accessible, and environmentally friendly platform for advertising and managing procurement opportunities;

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Directors of the Rubidoux Community Services District as follows:

1. The use of PlanetBids for the advertisement and management of all procurement opportunities is hereby authorized.
2. The General Manager and relevant District staff are directed to take all necessary actions to implement the use of PlanetBids, including the execution of any required agreements and the transition from newspaper advertising to the PlanetBids platform.
3. This resolution shall take effect immediately upon adoption.

**PASSED AND ADOPTED**, by the Board of Directors of the Rubidoux Community Services District at a regular meeting held on June 20, 2024, by the following vote:

**AYES:**

**AWAY:**

**NOES:**

**ABSENT:**

**ABSTENTIONS:**



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John Skerbelis, President  
Rubidoux Community Services District

(Seal)

**ATTEST:**

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Brian R. Laddusaw  
General Manager

**APPROVED AS TO FORM AND CONTENT:**

---

John R. Harper  
District Counsel

5. **CONSENT CALENDAR** (continued)

- E. **DM 2024-52**: Consider Notice of Cancellation of the Rubidoux Community Services District July 4, 2024, Regular Board Meeting

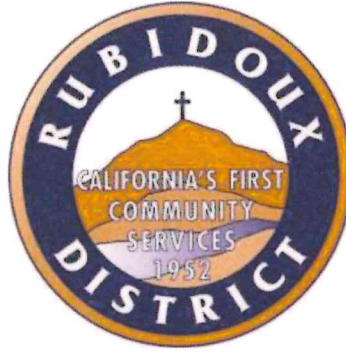
# Rubidoux Community Services District

## Board of Directors

John Skerbelis, President  
Hank Trueba Jr., Vice-President  
Bernard Murphy  
Armando Muniz  
F. Forest Trowbridge

## General Manager

Brian R. Laddusaw



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Water Resource Management    Refuse Collection    Street Lights    Fire / Emergency Services    Weed Abatement

## DIRECTORS MEMORANDUM 2024-52

June 20, 2024

**To:** Rubidoux Community Services District  
Board of Directors

**Subject:** Consider Notice of Cancellation of the Rubidoux Community Services District July 4, 2024, Regular Board Meeting

### **BACKGROUND:**

Rubidoux Community Services District ("District") conducts regular Board of Director ("Board") meetings on the 1<sup>st</sup> and 3<sup>rd</sup> Thursday of each month at 4:00 PM. At the Board's discretion, meeting dates and times have been amended from time to time.

The District's first Board meetings in the months of January and July have historically conflicted with the January 1 (New Year's) and July 4<sup>th</sup> (Independence Day), national holidays, making it difficult for the Board to achieve the necessary quorum for those regular meetings. On May 3, 2018, the Board adopted Resolution No. 2018-840, *A Resolution of the Board of Directors that Cancels Certain Regular Meetings of the Rubidoux Community Services District*. The Resolution automatically cancelled the 1<sup>st</sup> Board meeting of January and July, regardless of if the meeting fell on the actual holiday or not.

Prior to the COVID-19 pandemic, the District never provided a teleconferencing alternative to allow for the Board, staff, vendors/consultants or members of the public to virtually participate in Board activities. In 2020, the District secured a subscription with Zoom Video Communications Inc. to allow for virtual participation. The District continues to provide this alternative. Further, in 2023, at the direction of the Board, District staff procured four (4) tablet devices, currently utilized by 4 Board members, to streamline the dissemination of District information while also including teleconferencing capabilities so long as there is an internet connection.

With the evolution of technology, achieving a quorum of Board members is more feasible given the Board's ability to participate in-person or virtually. Therefore, on August 5, 2021, the Board adopted Resolution No. 2021-880, *A Resolution of the Board of Directors Rescinding Resolution No. 2018-840 and Reinstating Scheduling and Conducting Certain Regular Board Meetings of the Rubidoux Community Services District*

(Attachment 1). The Resolution reinstated the practice of scheduling regular Board meetings on the 1<sup>st</sup> Thursday of January and July but includes an exception for when the Board meeting “conflicts with [the] actual date of a District recognized Holiday...”

The first Thursday in July is July 4, a recognized District holiday, and as such, it’s necessary for the Board to consider cancelling the July 4, 2024, regular Board meeting. The next Board meeting is scheduled for Thursday, July 18, 2024, at 4:00 PM.

Included as Attachment 2 is the Notice of Cancellation. Once approved, the Notice of Cancellation will be posted on the District’s website and front and back windows at the Administrative Office at 3590 Rubidoux Blvd., Jurupa Valley, CA.

**RECOMMENDATION:**

Staff recommends the Board of Directors consider the following:

1. Approve the cancellation of the July 4, 2024, regular meeting of the Board of Directors.
2. Authorize the General Manager to sign and post the Notice of Cancellation for the July 4, 2024, regular meeting.

Respectfully,



BRIAN R. LADDUSAW, CPA  
General Manager

Attachment(s):

1. Board Resolution No. 2021-880
2. Notice of Cancellation for the July 4, 2024, Regular Board Meeting.

**RESOLUTION No. 2021-880**

**A RESOLUTION OF THE BOARD OF DIRECTORS RESCINDING RESOLUTION NO. 2018-840 AND REINSTATING SCHEDULING AND CONDUCTING CERTAIN REGULAR BOARD MEETINGS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT**

**WHEREAS**, On November 24, 1952, the Rubidoux Community Services District was duly organized pursuant to California Government Code Section 61,000 et. seq. as the State of California's first Community Service District; and,

**WHEREAS**, the governance (Board of Directors) has from time to time amended regular Board meeting days and times; and,

**WHEREAS**, the Rubidoux Community Services District regular Board Meetings are on the first and third Thursdays of each month at 4:00 PM; and,

**WHEREAS**, at the May 17, 2018 Board Meeting the Board of Directors adopted Resolution No. 2018-840 canceling the regular Board Meetings scheduled for the first Thursday in the months of January and July to avoid January 1 and July 4 National Holiday conflicts; and,

**WHEREAS**, at its July 15, 2021 Board Meeting the Board of Directors determined technology advances such as computer video conferencing applications enhance remote attendance and reduce the risk of meeting cancelations due to lack of quorum from conflicts with January 1 and July 4 National Holidays; and,

**WHEREAS**, Section 3 of Resolution No. 2018-840 indicates it can be rescinded in its entirety or portion by resolution as determined by the Board of Directors; and,

**WHEREAS**, at its July 15, 2021 Board Meeting the Board of Directors directed staff to prepare a resolution that rescinds Resolution No. 2018-840 and thereby ends the practice of canceling the first regular Board Meeting of January and July each year.

**NOW, THEREFORE**, the Board of Directors of the Rubidoux Community Services District Does Hereby Resolve, Determine and Order as Follows;

1. Resolution No. 2018-840 is rescinded.
2. Regular Board Meetings on the first Thursday of the months of January and July will be scheduled and conducted unless the actual date of the meeting conflicts with actual date of a District recognized Holiday as outlined in the then current Memorandum of Understanding Between

Rubidoux Community Services District and Laborers' International Union of North America, Local 77.

3. The adoption of Resolution No. 2021-880 shall be in effect on this 5<sup>th</sup> day of August 2021.
4. Resolution No. 2021-880 maybe rescinded in its entirety or portion by adopted resolution as determined by the Board of Directors.

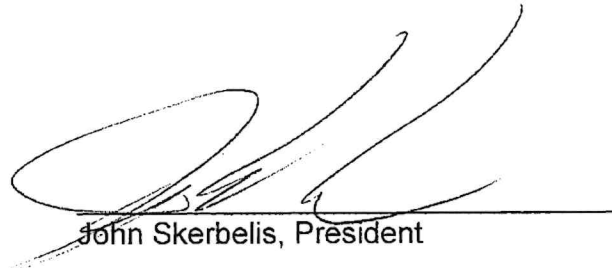
**BE IT FURTHER RESOLVED** this Resolution No. 2021-880 was approved and adopted on this day 5<sup>th</sup>, of August, 2021, at the regular meeting of the Board of Directors of the Rubidoux Community Services District by the following vote:

**AYES:** Armando Muniz; Bernard Murphy, John Skerbelis

**NOES:** Forest Trowbridge

**ABSENT:** Hank Trueba Jr.

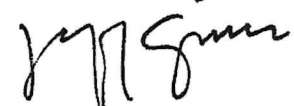
**ABSTENTIONS:**



John Skerbelis, President

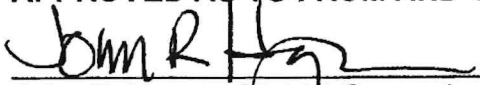
**(SEAL)**

**ATTEST:**



Jeffrey D. Sims, Secretary to the Board

**APPROVED AS TO FORM AND CONTENT:**



John R. Harper, District Counsel

# Rubidoux Community Services District

## Board of Directors

John Skerbelis, President  
Hank Trueba Jr., Vice-President  
Bernard Murphy  
Armando Muniz  
F. Forest Trowbridge

## General Manager

Brian R. Laddusaw



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Water Resource Management    Refuse Collection    Street Lights    Fire / Emergency Services    Weed Abatement

## NOTICE OF CANCELLATION

### OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT

### JULY 4, 2024, REGULAR BOARD MEETING

By Order of the Board of Directors, the July 4, 2024, Regular Meeting of the **RUBIDOUX COMMUNITY SERVICES DISTRICT** Board of Directors has been **CANCELLED** due to the holiday schedule. The next Regular Board Meeting is scheduled for Thursday, July 18, 2024, at 4:00 PM.

The District's Board of Directors apologizes for any inconvenience caused by this cancellation.

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BRIAN R. LADDUSAW, General Manager  
Rubidoux Community Services District

June 21, 2024

5. **CONSENT CALENDAR** (continued)

- F. **DM 2024-53**: Correction to Grant Deed for Contributed Water and Sewer Assets for Agua Mansa Commerce Park – Parcel Map 37528



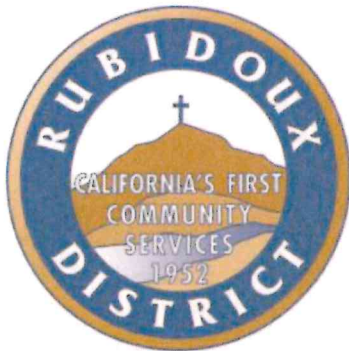
# Rubidoux Community Services District

## Board of Directors

John Skerbelis, President  
Hank Trueba Jr., Vice President  
Bernard Murphy  
Armando Muniz  
F. Forest Trowbridge

## General Manager

Brian R. Laddusaw



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Water Resource Management    Refuse Collection    Street Lights    Fire / Emergency Services    Weed Abatement

## DIRECTORS MEMORANDUM 2024-53

June 20, 2024

**To:** Rubidoux Community Services District  
Board of Directors

**Subject:** Correction to Grant Deed for Contributed Water and Sewer Assets for Agua Mansa Commerce Park - Parcel Map 37528

### **BACKGROUND:**

The Rubidoux Community Services District (“District”) Board of Directors (“Board”) accepted a Grant Deed at the Board Meeting on May 16, 2024, under Director’s Memorandum 2024-35. The development consists of several large industrial warehouse buildings, associated streets, parking lots and utilities. The entire Agua Mansa Commerce Park Development property was originally acquired in 2020 by the Agua Mansa Commerce PreDev LLC which was the entity’s name on the Grand Deed accepted by the Board at the May 16, 2024 Board Meeting. Portions of the property were transferred to Agua Mansa Commerce Center Phase I LLC, Agua Mansa Commerce Center Phase II LLC and Agua Mansa Commerce Center Phase III LLC as indicated on the attached map.

The Agua Mansa Commerce Center Phase I LLC, Agua Mansa Commerce Center Phase II LLC and Agua Mansa Commerce Center Phase III LLC entities each own portions of the project and the underlying water and sewer facilities being contributed to the District. Therefore, three Grant Deeds and Bills of Sale for those portions from each entity are required, one for each portion.

The purpose of this Directors Memorandum is to allow Staff to record the appropriate and correct Grant Deeds with the County to legally transfer the water and sewer facilities to the District.

Staff consulted with District Counsel John Harper regarding this anomaly and was advised it was appropriate to record these correct Grant Deeds and Bills of Sale and inform the Board of the discrepancy. This Directors Memorandum serves this purpose, and no new acceptance is required as the board has already accepted the granting of the assets to the District and this is a correction to correctly identify the transferee on the Grant Deeds.

**RECOMMENDATION:**

Staff recommends the Board of Directors consider authorizing:

1.     The General Manager or General Manager's Designee to sign the corrected Grant Deeds and Bills of Sale.
  
3.     District Staff to record the corrected Grant Deeds and Bills of Sale with the County of Riverside Recorder's Office.

Respectfully,



BRIAN R. LADDUSAW  
General Manager

Attach:

1. Copy of DM 2024-35
2. Map Identifying where each entity is located
3. Email from John Harper
4. Originally Accepted Grant Deed
5. Corrected Grant Deeds

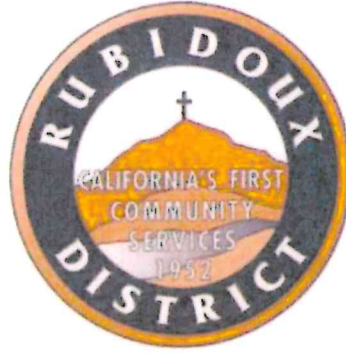
# Rubidoux Community Services District

## Board of Directors

John Skerbelis, President  
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## General Manager

Brian R. Laddusaw



---

Water Resource Management    Refuse Collection    Street Lights    Fire / Emergency Services    Weed Abatement

## DIRECTORS MEMORANDUM 2024-35

May 16, 2024

**To:** Rubidoux Community Services District  
Board of Directors

**Subject:** Acceptance of Grant Deed for Contributed Water and Sewer Assets for Agua Mansa Commerce Park - Parcel Map 37528

### **BACKGROUND:**

The Rubidoux Community Services District ("District") annexed into its boundary an area of land near El Rivino Road and the Riverside Cement Company, a development called Aqua Mansa Commerce Park, under Parcel Map 37528. The development consisted of several large industrial warehouse buildings, associated streets, parking lots and utilities. The Agua Mansa Commerce Park Phase I, II and III, LLC ("Developer") designed and subsequently built, under District inspection and oversight utilizing Krieger and Stewart Engineers, both new sewer and water pipelines which will have been dedicated to the District via a Grant Deed and Bill of Sale. Additionally, there are several easements necessary for the District to access waste discharge monitoring manholes, blow off devices and fire hydrants that are on Developer owned property. These easements were accepted by the District under DM 2023-02 and subsequently recorded with the County.

The project is now complete and all sewer and water pipelines have been installed and are a physical asset being granted to the District via a Grant Deed. As part of closing out the project and placing the physical assets on the District's books for depreciation, the Developer provided to the District the project costs associated with these assets to establish their "book value".

The installed cost of the Water Pipelines being dedicated to the District is \$4,652,205.13 and the installed cost of the Sewer Pipelines being dedicated to the District is \$1,185,390.48.

To protect the District from future liability from unpaid bills, Staff got a copy of the Developer's recorded Notice of Completion for the District's files.

The District has not established a set precedent when it comes to accepting and recording Grant Deeds. Staff consulted with District Counsel John Harper regarding the acceptance of Grant Deeds and was advised Grant Deed can be accepted by Board Action on an agenda item without the necessity of a separate Resolution. Therefore, no Resolution has been prepared.

**RECOMMENDATION:**

Staff recommends the Board of Directors consider authorizing the General Manager to:

1. Accept the Grant Deed for the Water and Sewer Pipelines.
2. Authorize the General Manager or General Manager's Designee to sign the Grant Deed.
3. Authorize District Staff to record the Grant Deed with the County of Riverside Recorder's Office.

Respectfully,



BRIAN R. LADDUSAW  
General Manager

Attach:

1. Grant Deed
2. Final Cost from Contractor
3. Notice of Completion
4. Water and Sewer Plans

2023-01-17 10:15  
 OK: General

IN THE CITY OF JURUPA VALLEY, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

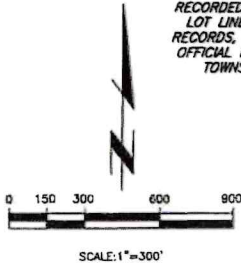
SHEET 9 OF 19 SHEETS

# PARCEL MAP NO. 37528

BEING A SUBDIVISION OF LOTS 8, 9 AND 14 AND PORTIONS OF LOTS 3, 15, AND 16, ALL LOTS OF MAP OF RIVINO HEIGHTS BLOCK 1, AS PER MAP RECORDED IN BOOK 5, PAGES 145 OF MAPS, TOGETHER WITH PORTIONS OF RIVINO BOULEVARD (VACATED), ALSO TOGETHER WITH LOTS 1 THROUGH 18, INCLUSIVE, OF RIVINO GARDENS, AS PER MAP RECORDED IN BOOK 21, PAGE 29 OF MAPS, ALSO TOGETHER WITH PARCEL "B" OF LOT LINE ADJUSTMENT NO. 5218, RECORDED MAY 29, 2008 AS INSTRUMENT NO. 2008-0291639 OF OFFICIAL RECORDS, PARCELS "A", "B", AND "C" OF LOT LINE ADJUSTMENT NO. LLA 1718, RECORDED JUNE 30, 2021 AS INSTRUMENT NO. 2021-0394779 OF OFFICIAL RECORDS, AND PARCEL 13 OF GRANT DEED, RECORDED SEPTEMBER 10, 2020 AS INSTRUMENT NO. 2020-0427543 OF OFFICIAL RECORDS, ALL IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, LYING WITH SECTIONS 2 AND 3, TOWNSHIP 2 SOUTH, RANGE 5 WEST, SAN BERNARDINO MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

THIENES ENGINEERING, INC.

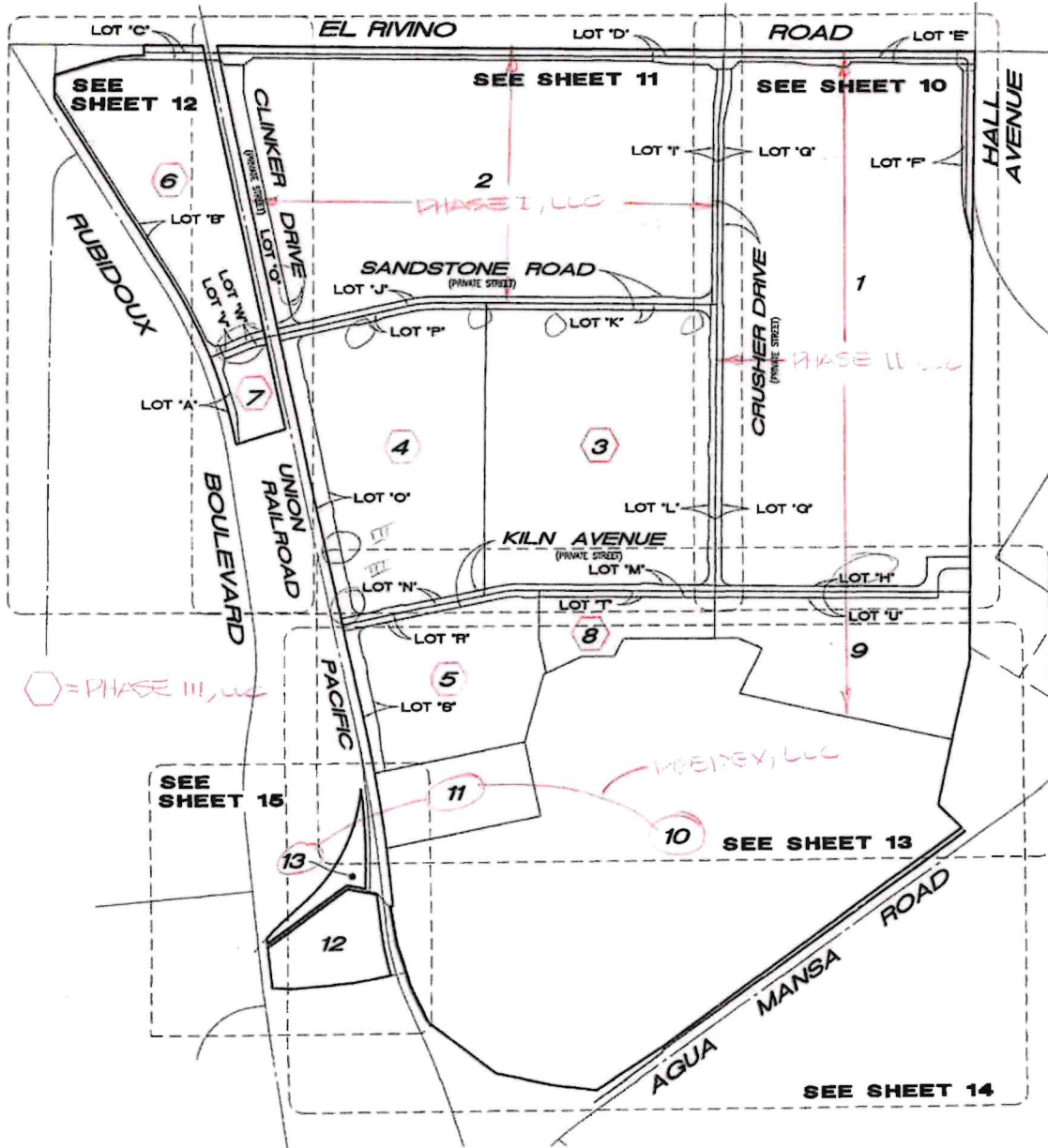
OCTOBER, 2020



**SHEET INDEX:**

- SEE SHEET 2 FOR VICINITY MAP AND BASIS OF BEARINGS
- SEE SHEET 3 FOR MONUMENT & ESTABLISHMENT NOTES
- SEE SHEET 4 FOR BOUNDARY INDEX
- SEE SHEETS 5 THROUGH 8 FOR ADDITIONAL BOUNDARY DETAILS
- SEE SHEET 10 FOR PARCEL 1 AND LOTS "E" & "F" DETAILS
- SEE SHEET 11 FOR PARCELS 2, 3 & 4 AND LOTS "D" DETAILS
- SEE SHEET 12 FOR PARCELS 6 & 7 AND LOTS "A" & "B" DETAILS
- SEE SHEET 13 FOR PARCELS 5, 8, 9, & 11 DETAILS
- SEE SHEET 14 FOR PARCEL 10 DETAILS
- SEE SHEET 15 FOR PARCELS 12 & 13 DETAILS
- SEE SHEETS 16 THROUGH 19 FOR DETAILS OF EXISTING EASEMENTS

**INDEX SHEET**



Ownership Per PTR  
 15x7-10-10

**From:** John Harper <jrharper@harperburns.com>  
**Sent:** Tuesday, June 11, 2024 7:45 AM  
**To:** Ted Beckwith  
**Cc:** Brian Laddusaw  
**Subject:** Re: Agua Mansa Commerce Park Grant of Easement and Grant Deed

Ted.

Record the correct Grant Deed, but provide a short Staff Report to the Board explaining the error and have them reapprove the correct deed for the record.

John

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**From:** Ted Beckwith <tbeckwith@rcsd.org>  
**Sent:** Tuesday, June 11, 2024 6:35 AM  
**To:** John Harper <jrharper@harperburns.com>  
**Cc:** Brian Laddusaw <bladdusaw@rcsd.org>  
**Subject:** Fw: Agua Mansa Commerce Park Grant of Easement and Grant Deed

John,

Staff already brought these Grant of Easements and Grant Deed to the District Board, but I had attached the wrong Grant Deed to the Director's Memorandum. As the Board already approved this in concept is appropriate to record the correct Grant Deed or should we rescind the prior DM and present a new DM with the correct Grant Deeds attached to it?

Sincerely,  
Ted



**Ted Beckwith, RCE, SE**

**Director of Engineering**

Rubidoux Community Services District  
3590 Rubidoux Blvd.  
Jurupa Valley, CA 92509  
(951) 684-7580

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**From:** Ted Beckwith <tbeckwith@rcsd.org>  
**Sent:** Thursday, June 6, 2024 9:40 AM

**RECORDING REQUESTED BY  
AND  
WHEN RECORDED MAIL TO:**

RUBIDOUX COMMUNITY  
SERVICES DISTRICT  
P.O. 3098  
Rubidoux, CA 92519-3098

EXEMPT FROM RECORDING FEES PER GOVT.  
CODE §6103  
EXEMPT FROM DOCUMENTARY TRANSFER  
TAX PER REV. & TAX CODE §11922

Space above this line for Recorder's use

**GRANT DEED AND BILL OF SALE**

FOR GOOD AND VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, AGUA MANSA COMMERCE PREDEV LLC, a Delaware limited liability company ("**Grantor**") hereby grants and conveys to RUBIDOUX COMMUNITY SERVICES DISTRICT, a public agency organized and existing under and by virtue of the Community Services District Law ("**Grantee**") all sewer improvements ("**RCSD Facilities**") which Grantor has constructed within the public street right-of-way commonly known as Avalon Street generally between Alta Street and Mission Boulevard, located in the City of Jurupa Valley, County of Riverside, State of California.

Said water and/or sewer system improvements are shown in detail in Exhibit A depicting the construction drawings (1) Parcel Map No. 37528, Sewer Improvement Plan, Rubidoux Community Services District, Sheets 1-8; (2) Parcel Map No. 37528, Water Improvement Plan Phase I, Rubidoux Community Services District, Sheets 1-5; and (3) Parcel Map No. 37528, Water Improvement Plans Phase II, Rubidoux Community Services District, Sheets 1-16 for the aforementioned water and/or sewer system improvements.

GRANTORS for his heirs, executors and administrators, covenants and agrees to warrant and defend this sale of property, goods and chattels, against all and every persons claiming the same.

***[SIGNATURES ON FOLLOWING PAGE]***





**CERTIFICATE OF ACCEPTANCE OF AND CONSENT TO  
GRANT DEED AND BILL OF SALE**

THIS IS TO CERTIFY that the attached Grant Deed and Bill of Sale for all sewer improvements which AQUA MANSA COMMERCE PREDEV, LLC, a Delaware limited liability company ("Grantor") has constructed within the public street commonly known as Avalon Street between Alta Street and Mission Boulevard, is hereby accepted by the RUBIDOUX COMMUNITY SERVICES DISTRICT ("Grantee") on the date set forth below. Grantee consents to the recordation thereof by its duly authorized officer. Grantee acknowledges and agrees that Grantee shall be responsible for ownership, operation and maintenance of such utility assets.

Date: \_\_\_\_\_, 2023

(SEAL)

RUBIDOUX COMMUNITY SERVICES DISTRICT

By: \_\_\_\_\_

Name: Brian Laddusaw

Its: General Manager

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )  
County of Riverside )

On \_\_\_\_\_, before me, \_\_\_\_\_, a Notary Public, personally appeared \_\_\_\_\_, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

EXHIBIT "A"

DEPICTION OF RCSD FACILITIES INCLUDED IN THIS CONVEYANCE

*[to be attached]*

**GENERAL NOTES :**

- ALL WORK SHALL CONFORM TO THE DESIGN AND CONSTRUCTION STANDARDS OF RCSD FOR WATER AND SANITARY SEWER MAINS.
- SEWER SYSTEM SHALL BE CONSTRUCTED BY THE DEVELOPER FOR DESIGNATION TO THE RUBIDOUX COMMUNITY SERVICES DISTRICT. CONSTRUCTION MATERIALS, TESTING AND INSPECTION SHALL COMPLY WITH REQUIREMENTS OF THE DISTRICT. THE DESIGNER SHALL NOTIFY THE DISTRICT OF THE COMPLETION OF ALL PUBLIC AGENCIES' JURISDICTION. FAILURE TO MEET THESE REQUIREMENTS WILL BE CAUSE FOR REJECTION. SEWER PIPE SHALL BE EXTRA STRENGTH VITRIFIED CLAY PIPE (E.S.P.) UNLESS OTHERWISE APPROVED BY THE DISTRICT ENGINEER.
- CONSTRUCTION OF THE SEWER SYSTEM SHALL NOT COMMENCE UNTIL A FINAL MAP HAS BEEN RECEIVED BY RUBIDOUX COUNTY AND THE DEVELOPER'S ENGINEER HAS CERTIFIED THAT ALL STREETS ARE CONSTRUCTED TO FINAL GRADE FOR CURBS AND CURBS.
- CONTRACTOR SHALL PROVIDE TRENCH PROTECTION AND CONDUCT ALL CONSTRUCTION IN ACCORDANCE WITH CALIFORNIA REQUIREMENTS AND SHALL DETERMINE DEPTH AND LOCATION OF EXISTING UNDERGROUND FACILITIES PRIOR TO TRENCHING. OPEN TRENCH AT ANY ONE TIME SHALL BE LIMITED TO 300 FEET ALONG ROAD RIGHT OF WAY AND SHALL BE BACKFILLED AND COMPACTED AT THE CONCLUSION OF EACH DAY.
- PIPE SHALL BE HANDLED SO AS TO PROTECT THE PIPE AT ALL TIMES AND SHALL BE CAREFULLY REEDED TO REMOVE EXCESSIVE BENDING AND TO PREVENT UNDER SETTLEMENT. PIPE SHALL BE PROTECTED AGAINST FLOODING AT ALL TIMES. OPEN ENDS OF INSTALLED SEWER SHALL BE SEALED AT ALL TIMES WHEN CONSTRUCTION IS NOT IN PROGRESS.
- PIPE JOINTS SHALL NOT BE DEFLECTED AT ANY ANGLE GREATER THAN THE MAXIMUM ANGLE RECOMMENDED BY THE PIPE MANUFACTURER.
- DEPTH AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHALL BE DETERMINED BY THE CONTRACTOR BY PENETRATING TRENCH TO TRENCHING. THE CONTRACTOR SHALL ALSO CONTACT UNDERGROUND SERVICE AGENCIES (UGS) 721-2400 PRIOR TO ANY EXCAVATION.
- WHERE THE SEWER MAIN CROSSES OTHER DRAINAGE, OTHER PIPELINES, TELEPHONE AND ELECTRIC COCLES, OR OTHER INSTALLATIONS, A MINIMUM OF 12 INCHES OF CLEARANCE SHALL BE PROVIDED BETWEEN THE MAIN AND OTHER INSTALLATIONS. SEPARATION OF THE MAIN AND SEWER LINES MUST COMPLY WITH THE RUBIDOUX COUNTY HEALTH DEPARTMENT STANDARDS AS SHOWN ON RUBIDOUX COUNTY STANDARD PLAN SET AND COUNTY STANDARD DRAINAGE RECORD AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH.
- CONNECTIONS TO EXISTING RCSD SEWER PIPELINES SHALL NOT BE ACCOMPLISHED UNLESS THE DISTRICT ENGINEER IN WRITING HAS BEEN ADVISED THAT THE CONNECTION AT THE DEVELOPER'S LOCATION TO VERIFY BOTH HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SEWER LINES PRIOR TO CONSTRUCTION OF CONNECTIONS TO EXISTING RCSD SEWERLINES SHALL BE ALLOWED ON THESE.
- MANHOLE SHALL BE CONSTRUCTED TO THE GREATER OF SOIL RELATIVE DENSITY, EQUIVALENT TO THE SURROUNDING GROUND, OR TO THE REQUIREMENTS OF THE AGENCY HAVING JURISDICTION, WHICHEVER IS MORE STRINGENT.
- SEWER LATERALS SHALL BE 4" VCP UNLESS OTHERWISE INDICATED. EXACT LOCATIONS OF MAINS AND LATERALS ARE TO BE DETERMINED BY THE FIELD PRIOR TO INSTALLATION. AN "X" SHALL BE IMPRINTED ON THE CURB FACE AT EACH SERVICE LATERAL LOCATION AND A STEEL ROD OR STAINL STEEL SHALL BE INSTALLED AT THE END OF EACH SEWER LATERAL TO ASSIST IN LOCATING AT A LATER DATE.
- UNLESS MARKED BY THE RCSD, A 3" WIDE METALLIC LOCATOR SHALL BE PLACED WITH EACH SEWER AND SERVICE LATERAL TO ASSIST IN FUTURE LOCATION. THIS SHALL BE PLACED AT LEAST 6" ABOVE THE PIPE BUT NOT DEEPER THAN 6" FROM THE PROPOSED FINISHED GRADE.
- ALL SEWERS SHALL BE BALLED, AIR TESTED AND VIDEO INSPECTED PRIOR TO ACCEPTANCE BY THE DISTRICT.
- SURFACE IMPROVEMENTS DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE RECONSTRUCTED BY THE CONTRACTOR TO THE REQUIREMENTS OF THE AGENCY HAVING JURISDICTION.
- THE DEVELOPER SHALL PROVIDE ONE SET OF PRINTS SHOWING ALL "AS-BUILT" CONDITIONS INCLUDING THE LOCATIONS OF SEWER LATERALS, CONNECTIONS AND MAN ALLOCATIONS AS A CONDITION OF FINAL APPROVAL.
- ANY REVISION TO THESE DRAWINGS MUST BE APPROVED IN WRITING BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR THE INSTALLATION OF BACKGROUND VALVES, WHERE REQUIRED PER UNIFORM PLUMBING CODE AND PER RCSD STANDARDS.
- THE CONTRACTOR IS ADVISED THAT THE WORK ON THIS PROJECT MAY INVOLVE WORKING IN A CONFINED AIR SPACE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH "CONFINED AIR SPACE" ARTICLE 102, TITLE 8 CALIFORNIA ADMINISTRATIVE CODE.
- CONSTRUCTION SHALL WARRANTY ALL WORK FOR 12 MONTHS AFTER THE DATE OF FINAL INSPECTION.

**AGUA MANSA COMMERCIE PREVEY LLC**  
 1343 15th AVENUE, SUITE 200  
 NEWPORT BEACH, CA 92660  
 PH: (949) 431-6400  
 FAX: (949) 330-5771

**OWNER**

AGUA MANSA COMMERCIE PREVEY LLC  
 1343 15th AVENUE, SUITE 200  
 NEWPORT BEACH, CA 92660

**SOILS ENGINEER**

LANCER  
 33 ENCINO PARK, SUITE 130  
 IRVINE, CA 92614

**CIVIL ENGINEER**

THOMAS ENGINEERING  
 4345 FRIESTONE BOULEVARD  
 LA MIRADA, CA 90638

**ABBREVIATIONS**

- R/W PROPERTY LINE
- C CENTERLINE
- T.C. TOP OF CURB
- F.L. FINISH LINE
- F.S. FINISH SURFACE
- T.C. TOP OF CONCRETE SLAB
- H.P. HIGH POINT
- F.F. FINISH FLOOR
- R.D. ROOF DRAIN
- R.C.P. REINFORCED CONCRETE PIPE
- N.C. NIGHT
- S - SLOPE
- F.V. FINISH GRADE
- S.D. STORM DRAIN
- S.T.L. STREET LIGHT
- G.B. GRADE BENCH
- H.P. HIGH POINT
- C.F. CURB FACE
- M.P. BACK OF MANHOLE
- A.B. AGGREGATE BASK
- P.V.C. POLYVINYLENE CHLORIDE
- C.I.P. CAST IRON PIPE
- F.H. FIRE HYDRANT
- H.P. POWER POLE
- C.B. CATCH BASIN
- B.C. BATT OF GRADE
- R.C.R. BEGINNING OF CURVE
- E.C.R. END OF CURVE
- L.P. LOW POINT
- B.O.P. BOTTOM OF PIPE
- F.H. FIRE HYDRANT
- T.F. TOP OF FOOTING
- M.B. METAL BASK
- C.M.B. CRUSHED MISC. BASK
- T.O.D. TOP OF DRIVE
- T.C. TOP OF CURB
- B.O.M. BOTTOM OF MANHOLE
- D.I.P. DIAPHRAGM
- H.P.I. HORIZONTAL POINT OF INFLECTION
- V.P.I. VERTICAL POINT OF INFLECTION
- P.R.P. PROPOSED
- E.M. EXISTING
- C.M.T. RUBIDOUX COMMUNITY SERVICES DISTRICT
- P.H. FIRE HYDRANT
- D.M. DOMESTIC WATER SERVICE
- B.M. BENCHMARK
- T.S. TOP OF SEWER
- W.S. WATER SURFACE ELEVATION

**ENGINEER'S NOTICE TO CONTRACTORS**

THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A REASONABLE RECORDS. THE CONTRACTOR SHALL MAKE ONE PRECAUTION OF THE RECORD UTILITIES AS WELL AS ANY NOT SHOWN AND SHALL CONFIRM ALL ALLOCATIONS AND GRADES BY FIELD INVESTIGATIONS.

**BASIS OF BEARING**

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM (NAD83). ZONE 6 NORTH AMERICAN DATUM 1983 (NAD83) BASED LOCALLY ON CONTIGUOUSLY OPERATING REFERENCE STATIONS (CORS) "MCP" AND "NODD" AS SHOWN HEREON. BEARS OF BEARINGS: A BEARING IS DEFINED AS AN ANGLE MEASURED FROM THE GRID BEARING AND REPRESENTED HEREON BY THE CENTERLINE OF EL RAYO AVENUE BEING NORTH 89°18'59" WEST.

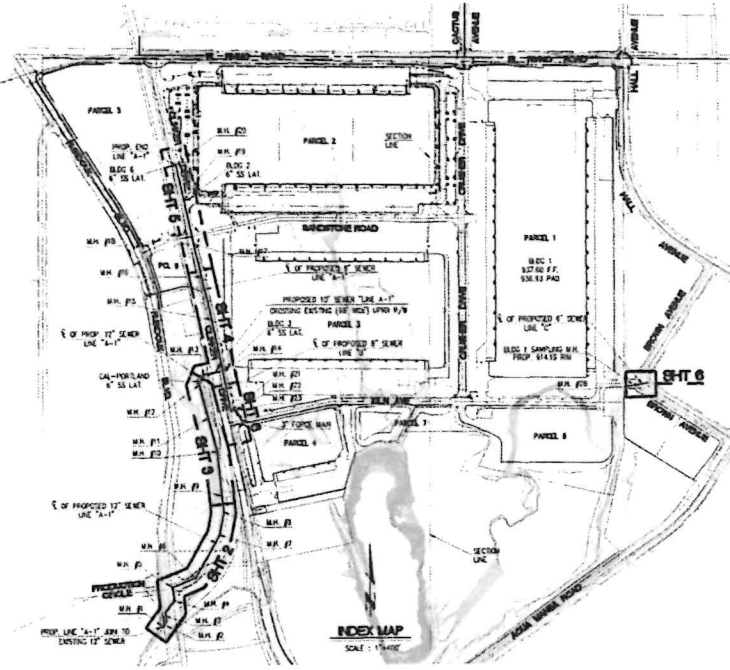
**BENCH MARK:**

RUBIDOUX BENCHMARK NO. 111-3-84 RESET 1970 STANDARD BRASS DISK, STAMPED "70.00 SUR. M.L.-3-64" RESET 1976" AT THE "T" INTERSECTION OF MARINE STREET & AGUA MANSA ROAD 170 FEET NORTH FROM THE INTERSECTION ALONG THE CENTERLINE OF AGUA MANSA ROAD 25 FEET WEST OF THE CENTERLINE OF AGUA MANSA ROAD, 17 FEET EAST OF A 6 FOOT CHAIN LINK FENCE, SURROUNDING EL YACER CONSTRUCTION COMPANY 7 FEET EAST OF A 14 INCH DIAM. SET ON TOP OF A 12" x 12" x 1" VCP CONCRETE HEAD WALL. ELEVATION = 864.497 (NOV 28 / 1971 ASU).

CITY OF JERUSA WALLEY ENGINEERING DEPARTMENT  
 APPROVED BY  
**Octavio Duran**  
 Digitally signed by Octavio Duran  
 Date: 2022.05.18 13:04:06 -0700

PAUL TOGR, CITY ENGINEER  
 DATE  
 RCE 45278

**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**  
 8", 10" AND 12" PUBLIC SEWER MAIN - SS A-1  
 RUBIDOUX COMMUNITY SERVICES DISTRICT

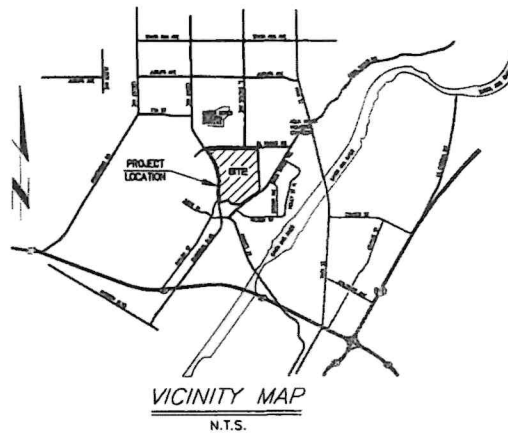


**INDEX MAP**

SCALE: 1"=100'

**ENCASMENT REQUIREMENTS IN UNION PACIFIC RIGHT OF WAY:**

- ALL TRANSVERSE CROSSINGS, SINGLE DUCTS OR PIPES 6" OR GREATER IN DIAMETER SHALL BE ENCASED. INSTALLATION OF MULTIPLE DUCTS OR PIPES, REGARDLESS OF DIAMETERS, SHALL REQUIRE ENCASEMENT.
- THE MINIMUM WALL THICKNESS REQUIRED FOR STEEL ENCASEMENTS IS BASED ON LENGTHS AND DIAMETERS OF PIPES.
- ENCASEMENT DUES SHALL BE PLACED WITH UN-DRAINED BRICKS OR OTHER SUITABLE MATERIAL APPROVED BY THE UPFR REPRESENTATIVE.
- THE UNION PACIFIC REPRESENTATIVE MAY REQUIRE THE POINTS TO PRESERVE GRADE, FILLING ANY Voids GENERATED BY THE COURSE OF THE PERMITTED WORK. ENCASEMENT SHALL BE AT THE EXTREME OF THE PERMITTED. GRADY HOLE WHEN PLACED INSIDE OF THE PIPE, USUALLY ON DIAMETERS OF 36" OR GREATER SHALL BE ON 6 CENTERS, UNACCEPTABLY AND OFFSET 25 DEGREES FROM VERTICAL, AND STAGGED TO THE LEFT AND RIGHT OF THE TOP LONGITUDINAL AXIS OF THE PIPE. GROUND PRESSURE SHALL NOT EXCEED 2 PSI FOR A DURATION SUFFICIENT TO FILL ALL VOIDS.
- THERE IS A SPACING REQUIREMENT WHEN PLACEMENT OF MULTIPLE ENCASEMENTS IS REQUESTED. THE DISTANCE BETWEEN MULTIPLE ENCASEMENTS SHALL BE THE GREATER OF OTHER 24" OR THREE TIME THE DIAMETER OF THE LARGEST PIPE BEING INSTALLED.
- WHY CLOSURES WHEN USED SHALL ONLY ADD A MINIMUM OF 1" IN DIAMETER TO THE OUTSIDE DIAMETER OF THE ENCASEMENT PIPE.
- A BASK SHALL BE PLACED TO THE LEADING EDGE OF THE ENCASEMENT PIPE SHOULD BE PLACED SQUARE TO THE ALIGNMENT AND NOT ON THE BOTTOM EDGE OF PIPE. A FURRED LEAD SECTION ON SIDES OVER 100' SHALL NOT BE PERMITTED.
- THE LENGTH OF THE ALDER STRONG SHALL BE EQUAL TO THAT OF THE SECTION OF ENCASEMENT PIPE.
- ENCASEMENTS PLACED WITHIN CONCRETE HIGHWAY RIGHT OF WAY SHALL EXTEND 5' BEYOND THE EDGE OF THE PAVED SHOULDER. BACK OF CURB OR TO THE UNPAVED RIGHT OF WAY LINE.
- ENCASEMENT PLACED ACROSS CONTROLLED ACCESS RIGHT OF WAY SHALL EXTEND TO THE HIGHWAY RIGHT OF WAY LINES.



**SEWER CONSTRUCTION NOTES:**

- CONSTRUCT 12" VCP SEWER LINE, TRENCH BACKFILL AND PAVEMENT PER RCSD STD. DMC. 52010. QTY: 440 LF
- CONSTRUCT 10" SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT PER RCSD STD. DMC. 5202 (IF PAVEMENT EXIST.) QTY: 131 LF
- CONSTRUCT 8" SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT PER RCSD STD. DMC. 5202 (IF PAVEMENT EXIST.) QTY: 1534 LF
- CONSTRUCT 6" SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT PER RCSD STD. DMC. 5202 (IF PAVEMENT EXIST.) QTY: 110 LF
- CONSTRUCT 4" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RCSD STD. DMC. 52040 AND 52060. QTY: 2 EA
- CONSTRUCT SEWER LATERAL PER RCSD STD. DMC. 52080 QTY: 2 EA
- CONSTRUCT 4" DIA. PRECAST CONCRETE "SHAMPOO" MANHOLE WITH FRAME AND COVER PER RCSD STD. DMC. 52030 AND 52050. QTY: 1 EA
- REMODEL EXISTING MANHOLE STUD AND CONNECT PER DETAIL ON SHEET 2. QTY: 1 EA
- CUT BORE AND JACK FOR UNION PACIFIC RAILROAD SPECIFICATIONS. INSTALL 10" PVC SEWER LINE IN 10" DIAMETER (LARGER FROM THIS) STEEL PIPE CASING PER UNION PACIFIC RAILROAD SPECIFICATIONS. (SEE DETAILS ON SHEET 1). QTY: 36 LF
- CONSTRUCT 6" VCP SEWER LINE, TRENCH BACKFILL AND PAVEMENT PER RCSD STD. DMC. 52010. QTY: 83 LF
- CONSTRUCT 12" SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT PER RCSD STD. DMC. 5202 (IF PAVEMENT EXIST.) QTY: 1492 LF
- INSTALL LATERAL SHORLE CONNECTION TO EXISTING SEWER MAIN PER RCSD STD. DMC. 52100. QTY: 1 EA
- INSTALL MARKER POST FOR MANHOLE OUTSIDE OF PAVED AREAS. QTY: 4 EA
- 3" SCH 80 PVC PRIVATE FORCE MAIN FROM (BUILDING 3) PRIVATE LOT (SHOWN WITH OWNED OR MAINTAINED BY DISTRICT) AND WILL BE REVIEWED AND APPROVED BY THE CITY. QTY: 148 LF
- 3" SCH 80 PVC 45' ELBOW FOR PRIVATE FORCE MAIN (NOT OWNED OR MAINTAINED BY DISTRICT) AND WILL BE REVIEWED AND APPROVED BY THE CITY. QTY: 4 EA
- INSTALL LATERAL SHORLE CONNECTION TO EXISTING SEWER MAIN PER RCSD STD. DMC. 52100. QTY: 1 EA
- INSTALL MARKER POST FOR MANHOLE OUTSIDE OF PAVED AREAS. QTY: 4 EA

**SHEET INDEX OF DRAWINGS**

NO.	TITLE SHEET
1	SEWER PLAN AND PROFILE - FROM STA 0+00 TO STA 10+00.00
2	SEWER PLAN AND PROFILE - FROM STA 10+00.00 TO STA 27+23.00
3	SEWER PLAN AND PROFILE - FROM STA 27+23.00 TO STA 36+00.00
4	SEWER PLAN AND PROFILE - FROM STA 36+00.00 TO STA 43+15.75
5	SEWER PLAN AND PROFILE - FROM STA 43+15.75 TO STA 44+58.64
6	SEWER PLAN AND PROFILE - FROM STA 44+58.64 TO STA 10+00.00
7	SEWER PLAN AND PROFILE - FROM STA 10+00.00 TO STA 10+00.00
8	SEWER PLAN AND PROFILE - FROM STA 10+00.00 TO STA 11+42.71
9	ULTRA LICENSE AGREEMENT

**LEGEND**

- PROPOSED SEWERLINE
- EXISTING SEWERLINE
- CURB/MANHOLE PER RCSD STD. DMC. 52010
- MANHOLE PER RCSD STD. DMC. 52040
- SEWER LATERAL PER RCSD STD. DMC. 52080

**RUBIDOUX COMMUNITY SERVICE DISTRICT**  
**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**  
**TITLE SHEET**

PAUL TOGR, CITY ENGINEER  
 DATE  
 RCE 45278

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:

**Ted Beckwith**  
 Digitally signed by Ted Beckwith  
 Date: 2022.05.18 13:04:06 -0700

PAUL TOGR, CITY ENGINEER  
 DATE  
 RCE 45278

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:

**Ted Beckwith**  
 Digitally signed by Ted Beckwith  
 Date: 2022.05.18 13:04:06 -0700

**Thomas Engineering, Inc.**  
 CIVIL ENGINEERING + LAND SURVEYING  
 4345 FRIESTONE BOULEVARD  
 LA MIRADA, CALIFORNIA 90638  
 (949) 431-6400  
 WWW.THOMAS-ENGINEERING.COM

UNDER THE SUPERVISION OF  
**Paul Toגר**  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL  
 04/21/2022  
 RCE 45278

SCALE: 1"=40'

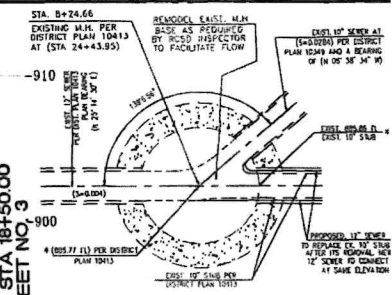
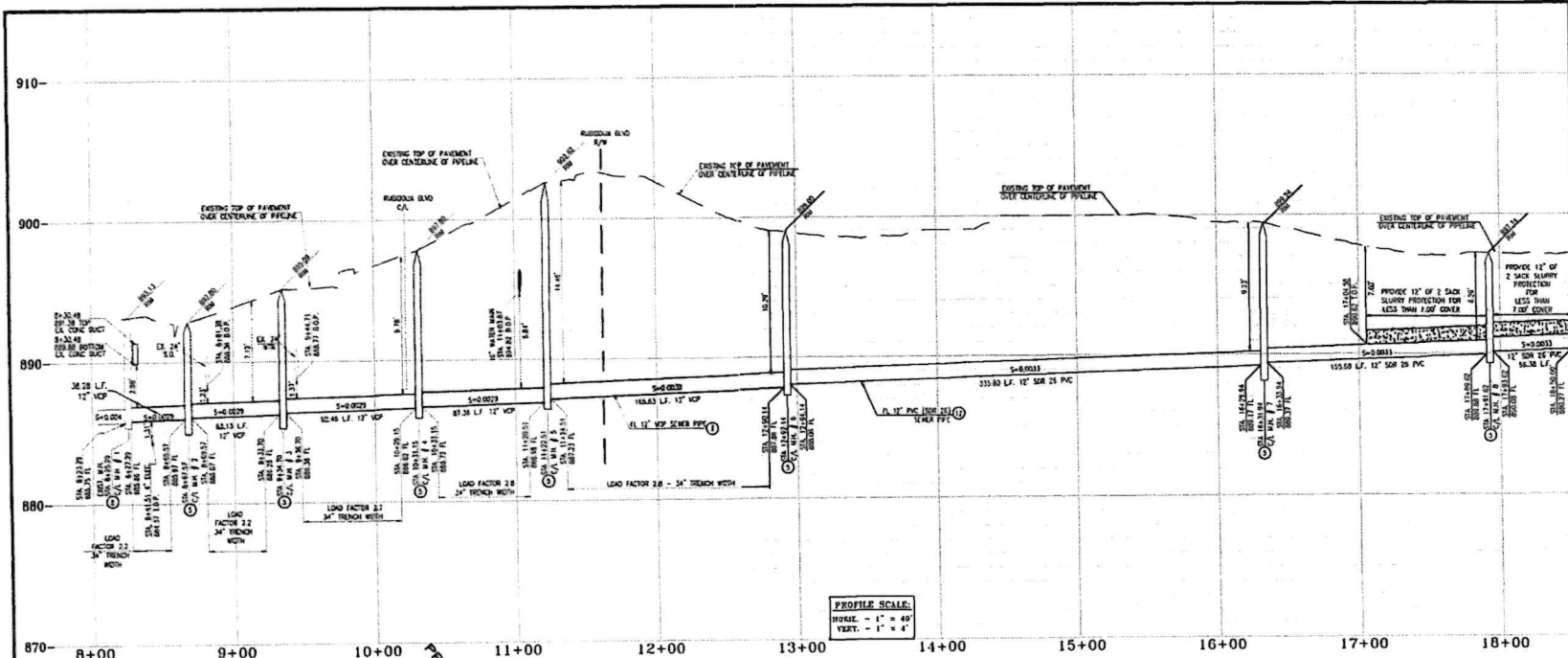
ALL NOTES

DESIGN: M.T.

DRAWN: D.T.

CHECKED: R.S.

SHEET  
**1**  
 OF 8 SHEETS  
 R.C.S.D. PLAN #

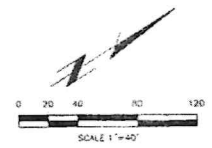
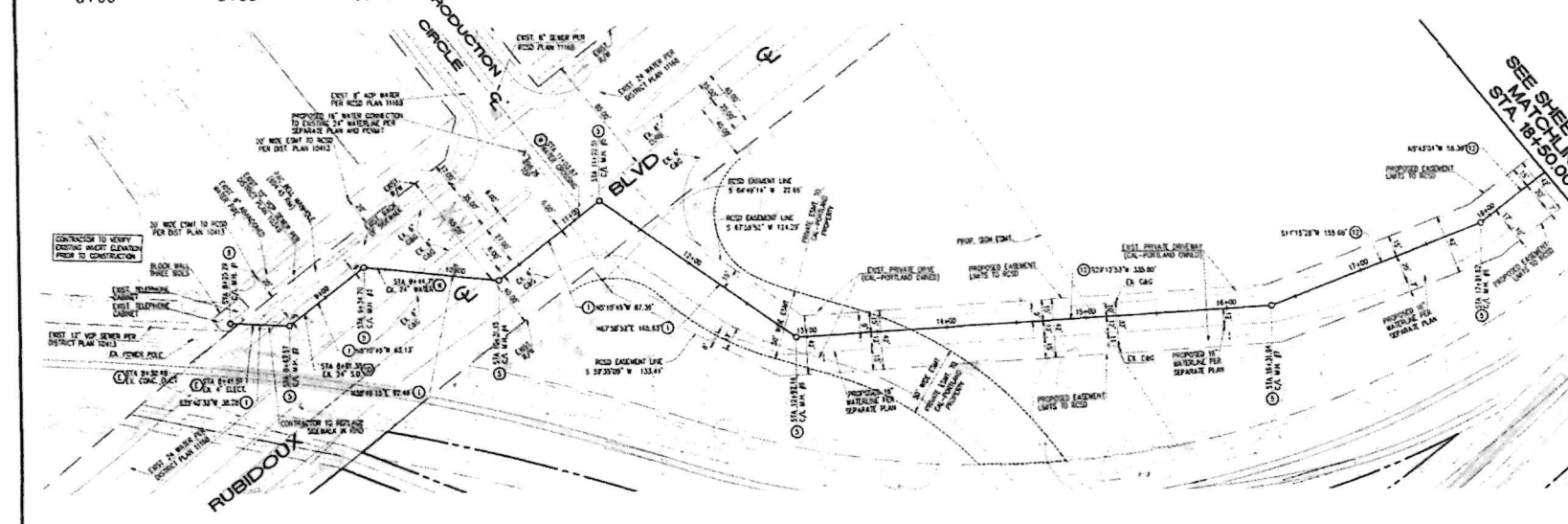


**PROPOSED CONNECTION DETAIL AT STA. 8+26.66**  
SCALE: 1" = 2'

**PROCEDURE FOR CONNECTING**

- CONTRACTOR SHALL PROVIDE PLAN TO BYPASS EXISTING UPSTREAM FLUMES AROUND CONNECTION WORK AREA TO COMPLETE MODIFICATIONS. CONTRACTOR SHALL SUBMIT BYPASS PLAN TO DISTRICT FOR REVIEW 4 WEEKS BEFORE CONNECTION WORK IS TO BE COMMENCED.
- CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN FOR CITY REVIEW AND APPROVAL AND OBTAIN AN ENCLOSURE PERMIT FROM THE CITY FOR WORKING IN THE PUBLIC RIGHT-OF-WAY.
- PERFORM IN ACCORDANCE WITH OSHA STANDARDS, EMPLOY A TRENCH SAFETY SYSTEM FOR EXCAVATIONS REQUIRING TRENCH SAFETY.
- CONTRACTOR SHALL OPEN EXISTING MANHOLE AND VERIFY EXISTING SEWER SIZE (TYPE, SIZE AND DEPTH) PRIOR TO PROCEEDING WITH ANY SEWER PIPE CONSTRUCTION. BASIC CONSTRUCTION SHALL PROCEED FROM DOWNSTREAM TO UPSTREAM AND BEHAVIORS TO PLAN DECIDED DURING THE EXAMINATION SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER OF RECORD.
- THE EXISTING SEWER SUBS SHALL BE EXPOSED BY CAPITAL EXCAVATION. PER PCSO ORDINANCES AND UNDER THE PROVISION OF RESO 100000 ON THE RECEIVING SIDE OF THE MANHOLE, THE SUBS A EXPOSED SIDES OF THE MANHOLE SHALL BE PROTECTED FOR DAMAGE.
- CONTRACTOR SHALL REPLACE OR REPAIR EXISTING SUBS TO PROVIDE 12" PROPOSED SEWER PIPE AT EXISTING ELEVATION (VERIFIED BEFORE PERMITS).
- AT ALL TIMES CONSTRUCTION SHALL BE CAREFUL TO NOT ALLOW SAND, SILTS OR MUD-OFF TO ENTER SANITARY SYSTEM.
- INITIAL PROTECT LENGTH OF NEW SEWER PIPE TO THE LINE AND GRADE, RECORDED ON THE PLANS AND NOT COMMENCE PRIOR TO PROTECTING AND AT THE DISCRETION OF RESO 100000.
- BACKFILL PER PCSO REQUIREMENTS AND AT THE DISCRETION AND TO THE SATISFACTION OF THE AEC'S PROJECTOR. MIXTURE OF PROVISIONS IF APPLICABLE SHALL BE PERFORMED AS WARRANTED AND TO THE SATISFACTION OF THE CITY INSPECTOR.

PROFILE SCALE:  
HORIZ. - 1" = 40'  
VERT. - 1" = 4'



**SEWER CONSTRUCTION NOTES:**

- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY (WATER AND GAS) LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- CONSTRUCT 12" 11' VCP SEWER LINE, TRENCH BACKFILL AND PROVIDE PER RESO STD. DWG. 52010.
  - CONSTRUCT 4" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RESO STD. DWG. 52000 AND 52005.
  - REMODEL EXISTING MANHOLE SUBS AND CONNECT PER DETAIL ON SHEET 2.
  - CONSTRUCT 12" SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RESO STD. DWG. 52010 (IF PAVEMENT EXIST).
- \* CONTRACTOR TO VERIFY LOCATION AND DEPTH ELEVATIONS OF EXISTING UTILITIES AND DRAINAGE SYSTEMS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY CONSTRUCTION.

**DAILY BEFORE YOU DRIVE**  
Check for potholes, debris, and other road conditions.  
Call: TOLL FREE 1-800-422-4133

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION.  
**Ted Beckwith**  
DATE: DECEMBER 01, 2008  
VOID AFTER ONE YEAR FROM THIS DATE.

REGISTERED PROFESSIONAL ENGINEER  
STATE OF CALIFORNIA  
No. 41214  
EXPIRES 12-31-11

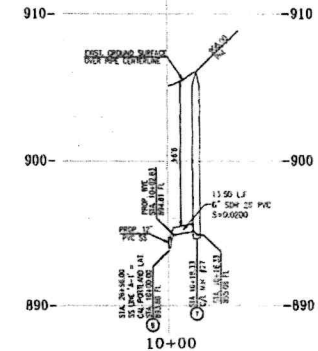
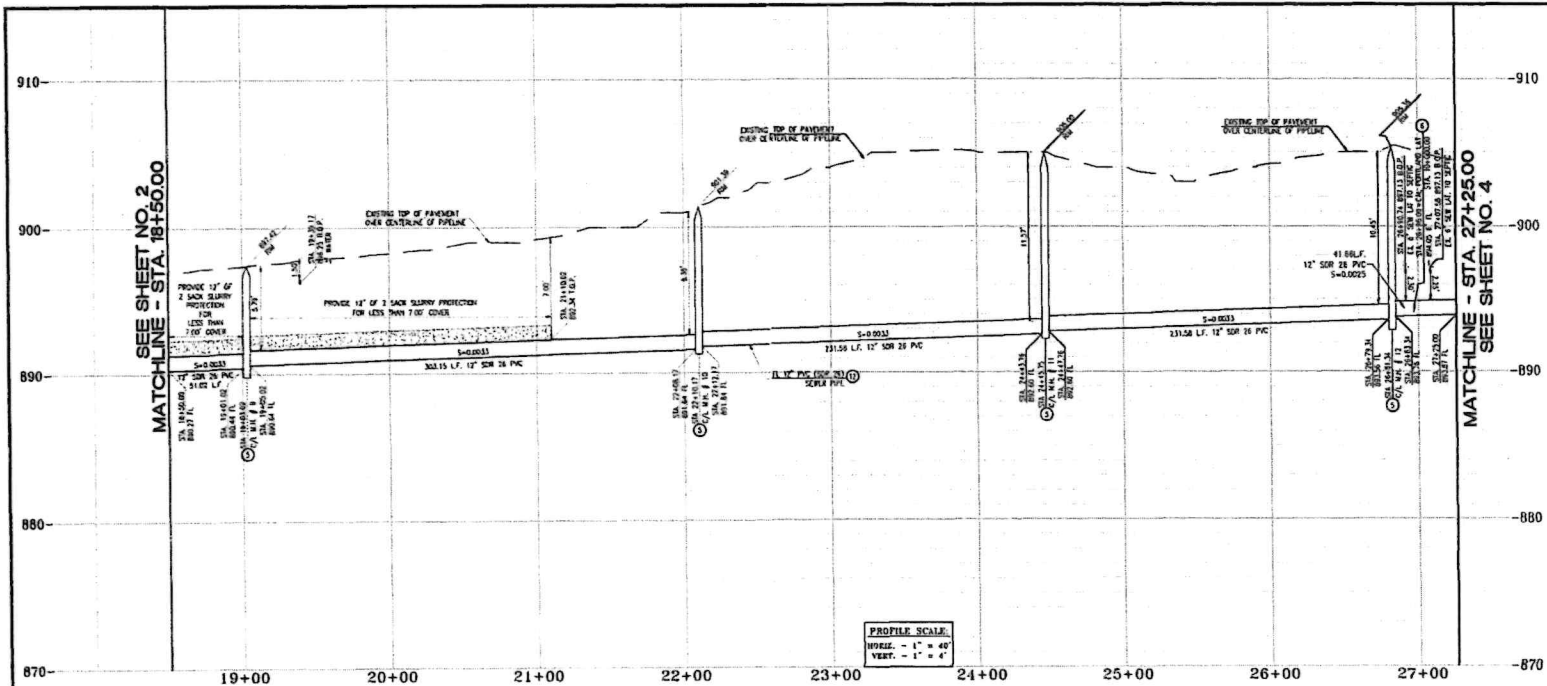
**Tohines Engineering, Inc.**  
CIVIL ENGINEERING AND SURVEYING  
14145 FINESTONE BOULEVARD  
LA BREA, CALIFORNIA 90009  
PH: (310) 591-1000 FAX: (310) 591-1002  
www.tohines.com

*Signature*  
REPAIRED STENCIL REG NO 28155 04/21/2008 DATE

SCALE: 1" = 40'
DESIGNER: M.R.
DRAWN: D.T.
CHECKED: R.S.

RUBIDOUX COMMUNITY SERVICE DISTRICT  
**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**  
12" PUBLIC SEWER MAIN - 88 LINE A-1  
STA. 8+25.29 TO STA. 18+50.00

SHEET **2**  
OF 8 SHEETS  
R.C.S.D. PLAN N



**CAL PORTLAND - 6" SEWER LATERAL  
STA. 10+00.00 CAL PORTLAND LAT.  
- STA. 26+98.00 SS LINE A-1**

**PROFILE SCALE:**  
HORIZ. - 1" = 40'  
VERT. - 1" = 4'

SEE SHEET NO. 2  
MATCHLINE - STA. 18+50.00

MATCHLINE - STA. 27+25.00  
SEE SHEET NO. 4

SEE SHEET NO. 2  
MATCHLINE - STA. 18+50.00

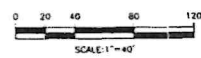
MATCHLINE - STA. 27+25.00  
SEE SHEET NO. 4

**SEWER CONSTRUCTION NOTES:**

NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY DEPTH AND LOCATIONS. EXCESS OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.

- 1) CONSTRUCT 6" SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. DWG. 0200 (IF PAVEMENT EXIST).
- 2) CONSTRUCT 4" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RCSD STD. DWG. 0200 AND 0200.
- 3) CONSTRUCT SEWER LATERAL PER RCSD STD. DWG. 0200.
- 4) CONSTRUCT 4" DIA. PRECAST CONCRETE "SINKHOLE" MANHOLE WITH FRAME AND COVER PER RCSD STD. DWG. 0200 AND 0200.
- 5) CONSTRUCT 12" SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. DWG. 0200 (IF PAVEMENT EXIST).
- 6) CAL-PORTLAND EXIST. SEPTIC SYSTEM (TRAPS, LEACH LINES AND EXIST.) INCLUDING EXIST. PERCOLATION INDICATING WELLS SHALL BE REMOVED BY OTHERS ONCE NEW 6" SEWER LATERAL IS INSTALLED AND SERVING THE CAL-PORTLAND FACILITIES.

\* CONTRACTOR TO VERIFY LOCATION AND DEPTH EXISTING OF EXISTING UTILITIES AND SERVICE SYSTEMS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY CONSTRUCTION.



APPROVED BY THE RUBIDOUX COMMUNITY SERVICE DISTRICT FOR CONSTRUCTION:  
**Ted Beckwith**  
DATE: \_\_\_\_\_ DIRECTOR OF ENGINEERING, RCJ 4878

NO.	REVISION	DATE

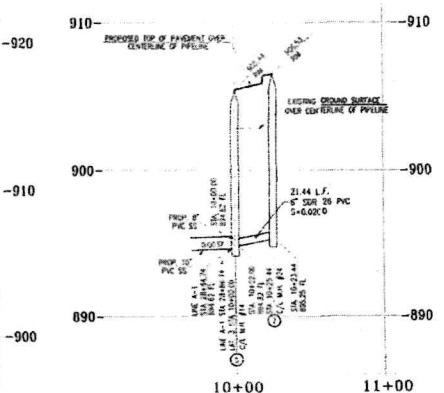
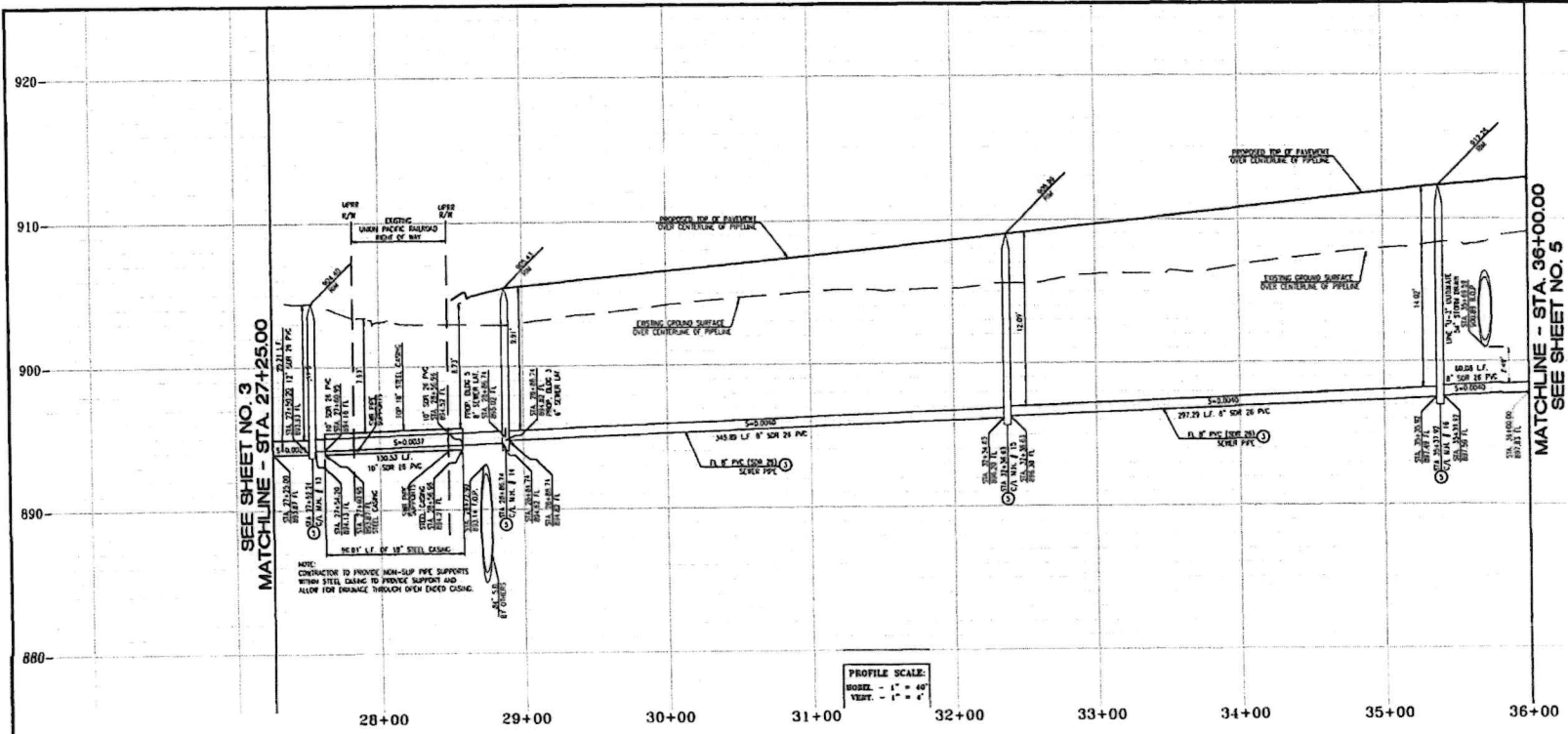


**Thienes Engineering, Inc.**  
CIVIL ENGINEERING, LAND SURVEYING  
PLANNING, DESIGN, CONSTRUCTION  
LA BARRA, CALIFORNIA 92531  
TEL: 951-721-1111 FAX: 951-721-1115  
WWW.THIONES.COM  
UNDER THE SUPERVISION OF:  
**Richard Stenzel**, P.E. No. 54155  
DATE: 05/21/2022

SCALE: 1" = 40'
FIELD NO.
DESIGN: M.R.
ISSUED: D.T.
CHECKED: R.S.

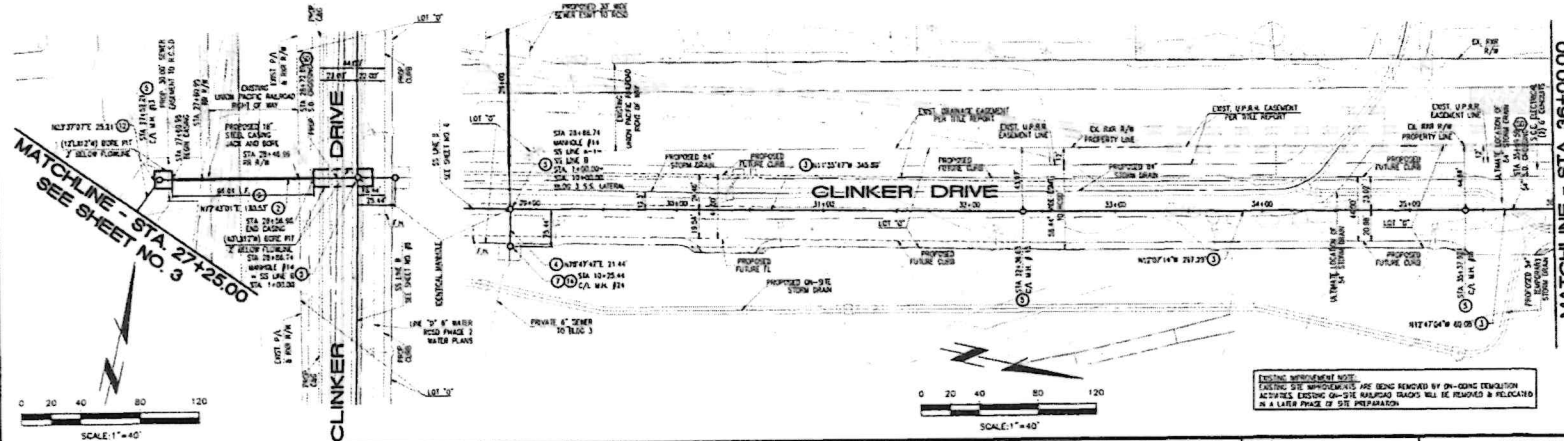
**RUBIDOUX COMMUNITY SERVICE DISTRICT**  
**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**  
12" PUBLIC SEWER MAIN - 880 LINE A-1  
STA. 18+50.00 TO STA. 27+25.00

SHEET **3**  
OF 8 SHEETS  
R.C.S.D. PLAN NO.



10+00 11+00  
**BLDG 3 - 6" SEWER LATERAL  
 STA. 10+00.00 BLDG 3 SS LAT.  
 - STA. 28+86.74 SS LINE A-1**

**PROFILE SCALE:**  
 HORIZONTAL - 1" = 40'  
 VERTICAL - 1" = 4"



- SEWER CONSTRUCTION NOTES:**
- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY BEARS AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- CONSTRUCT 12" SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVENTMENT REPAIR PER RCDSD STD. DWG. 020 (IF PAVENTMENT EXIST).
  - CONSTRUCT 8" SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVENTMENT REPAIR PER RCDSD STD. DWG. 020 (IF PAVENTMENT EXIST).
  - CONSTRUCT 6" SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVENTMENT REPAIR PER RCDSD STD. DWG. 020 (IF PAVENTMENT EXIST).
  - CONSTRUCT 4" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RCDSD STD. DWG. 020 AND 020A.
  - CONSTRUCT 4" DIA. PRECAST CONCRETE "SAFARI" MANHOLE WITH FRAME AND COVER PER RCDSD STD. DWG. 020A AND 020B.
  - DRY ROSE AND JACK PER UNION PACIFIC RAILROAD SPECIFICATIONS. INSTALL 12" PVC SEWER LINE IN 18" TRENCHES (SEE RCDSD TRK 01) STEEL PIPE CASING PER UNION PACIFIC RAILROAD SPECIFICATIONS. (SEE DETAILS ON SHEET 1).
  - CONSTRUCT 12" SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVENTMENT REPAIR PER RCDSD STD. DWG. 020 (IF PAVENTMENT EXIST).
  - INSTALL MARKER POST FOR MANHOLE OUTSIDE OF PAVED AREAS.

\*CONTRACTOR TO VERIFY LOCATION AND INSERT ELEVATIONS OF EXISTING UTILITIES AND GRADINGS. EXISTING ON-SITE RAILROAD TRACKS WILL BE REMOVED & RELOCATED IN A LATER PHASE OF SITE PREPARATION.

**SCALE: 1" = 40'**

**THOMES ENGINEERING, INC.**  
 Underwritten by  
 Rubidoux Community Service District  
 Call TOLL FREE  
**1-800-422-4133**  
 TWO WORKING DAYS BEFORE YOU DIE

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:

**Ted Beckwith**  
 DATE: [ ]/ [ ]/ [ ] DIRECTOR OF ENGINEERING, RC 4676  
 VALID AFTER ONE YEAR FROM THIS DATE

**REGISTERED PROFESSIONAL ENGINEER**  
 STATE OF CALIFORNIA  
 No. 12-31-22  
 CIVIL

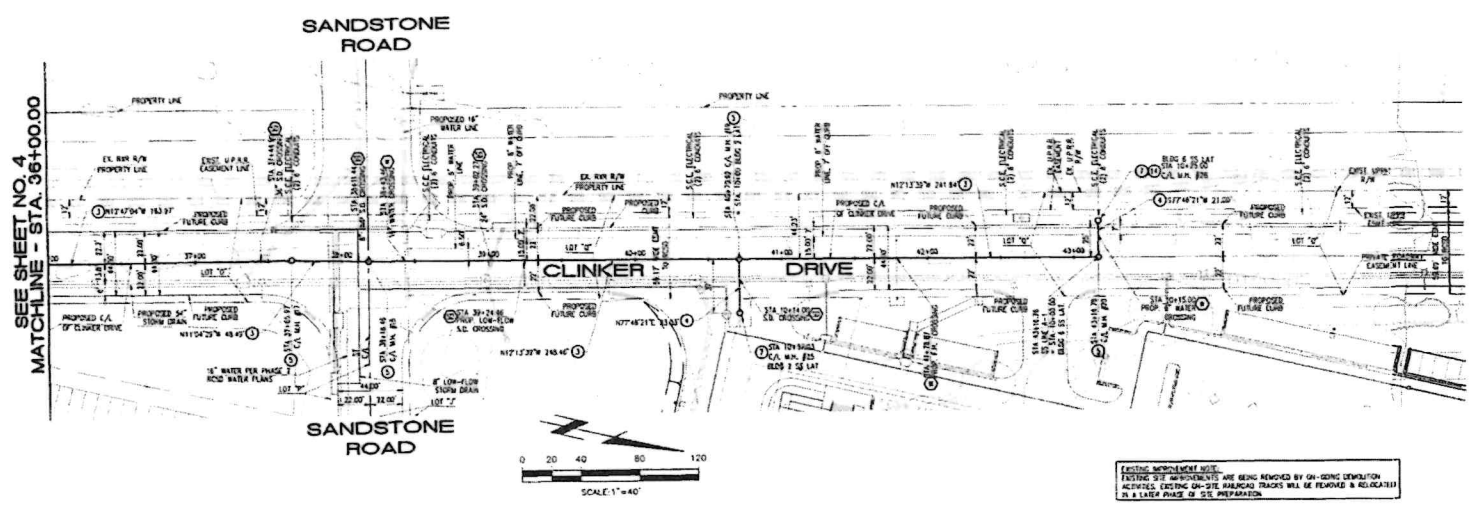
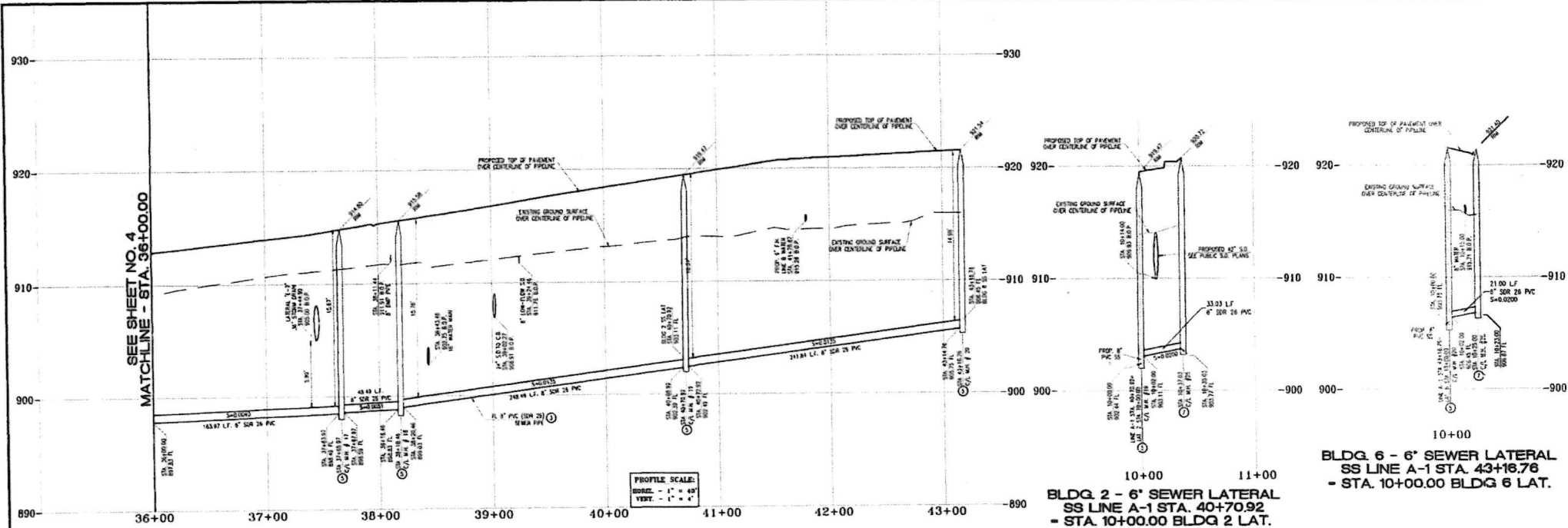
**Thomes Engineering, Inc.**  
 CIVIL ENGINEERING, LAND SURVEYING  
 17000 FORTY-NINTH AVENUE  
 LA VERNE, CALIFORNIA 92550  
 (951) 261-1111 FAX (951) 261-1112  
 WWW.THOMES-ENG.COM

UNDER THE SUPERVISION OF:  
*[Signature]*  
 REGISTERED ENGINEER, RC NO. 58153 DATE: 04/21/2022

SCALE: 1" = 40'	DATE: 04/21/2022
DESIGNED BY: M.R.	CHECKED BY: D.T.
DRAWN BY: D.T.	PROJECT NO: R.S.

**RUBIDOUX COMMUNITY SERVICE DISTRICT**  
**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**  
 PUBLIC SEWER MAIN - 80 A-1  
 STA. 27+25.00 TO STA. 36+00.00

SHEET **4**  
 OF 8 SHEETS  
 R.C.S.D. PLAN IN



- SEWER CONSTRUCTION NOTES:**
- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY INVERT AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- CONSTRUCT 8" 20' SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. DMC 520 (IF PAVEMENT EXIST).
  - CONSTRUCT 6" SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. DMC 520 (IF PAVEMENT EXIST).
  - CONSTRUCT 4" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RCSD STD. DMC 52030 AND 52030.
  - CONSTRUCT 4" DIA. PRECAST CONCRETE "SAMPLING" MANHOLE WITH FRAME AND COVER PER RCSD STD. DMC 52030 AND 52030.
  - INSTALL MARKER POST FOR MANHOLE OUTSIDE OF PAVED AREAS.
- \* CONTRACTOR TO VERIFY LOCATION AND INVERT ELEVATIONS OF EXISTING UTILITY AND FINANCE SYSTEMS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY CONSTRUCTION.

Independent Service Also  
 Call TOLL FREE  
**1-800-422-6133**  
 TWO WORKING DAYS BEFORE YOU DIE

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION.

**Ted Beckwith**

DATE: \_\_\_\_\_ DIRECTOR OF ENGINEERING, A/E 4876

VOID AFTER ONE YEAR FROM THIS DATE

REGISTERED PROFESSIONAL ENGINEER  
 CIVIL  
 STATE OF CALIFORNIA

DATE: 12-31-22

NO. 12345

**Thienes Engineering, Inc.**  
 CIVIL ENGINEERING LAND SURVEYING  
 1748A FINESTOCK BOULEVARD  
 LA BREA, CALIFORNIA 90639  
 PH: (310) 471-1111 FAX: (310) 471-1113  
 WWW.THIESENENGINEERING.COM

UNDER THE SUPERVISION OF:  
*Richard Stenzel*  
 REGISTERED ENGINEER, NO. 501655

DATE: 04/21/2022

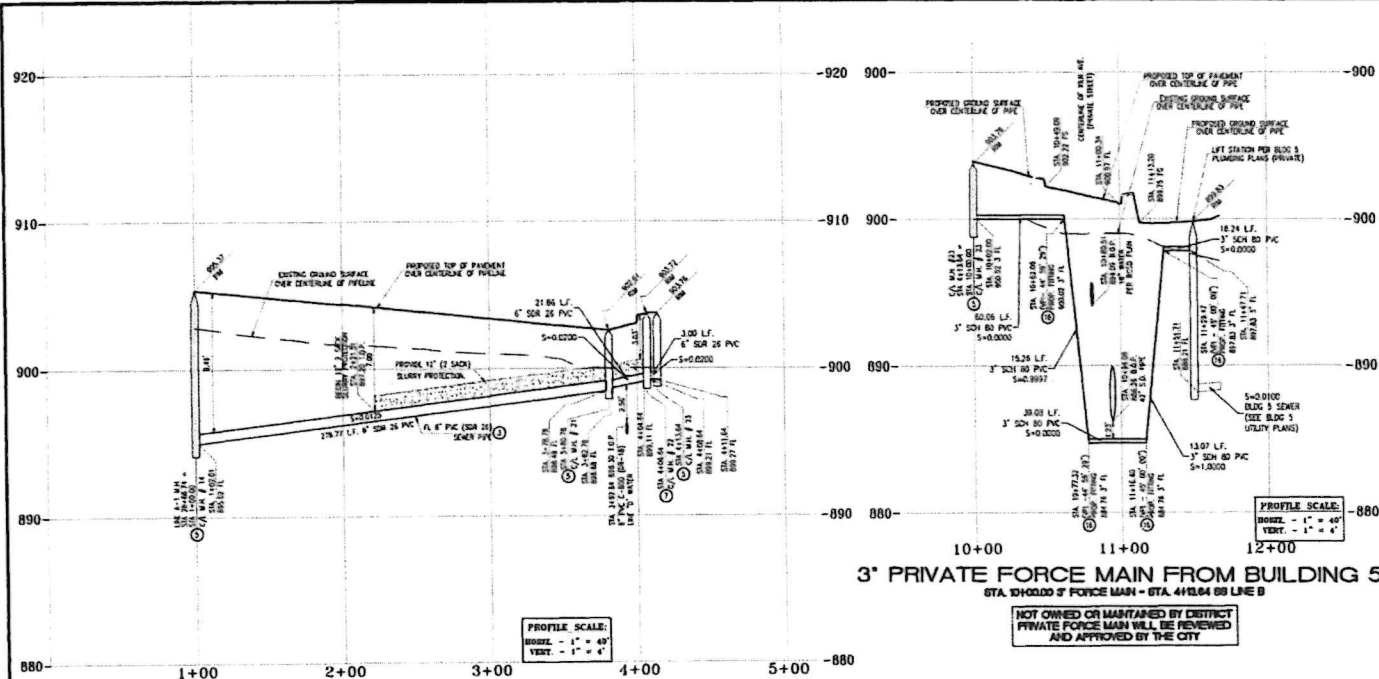
RUBIDOUX COMMUNITY SERVICE DISTRICT

**PARCEL MAP NO. 37528**

**SEWER IMPROVEMENT PLAN**

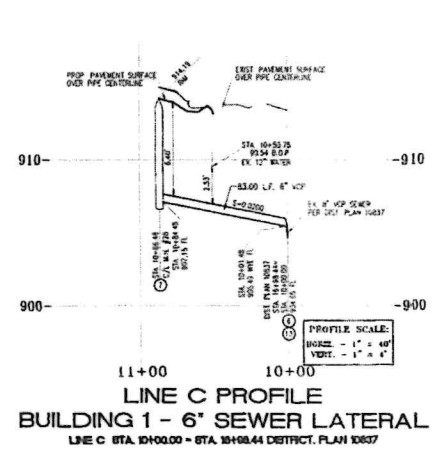
6" PUBLIC SEWER MAIN - BB LINE A-1  
 STA. 36+00.00 TO STA. 43+18.76

SHEET **5**  
 OF 8 SHEETS  
 R.C.S.D. PLAN N

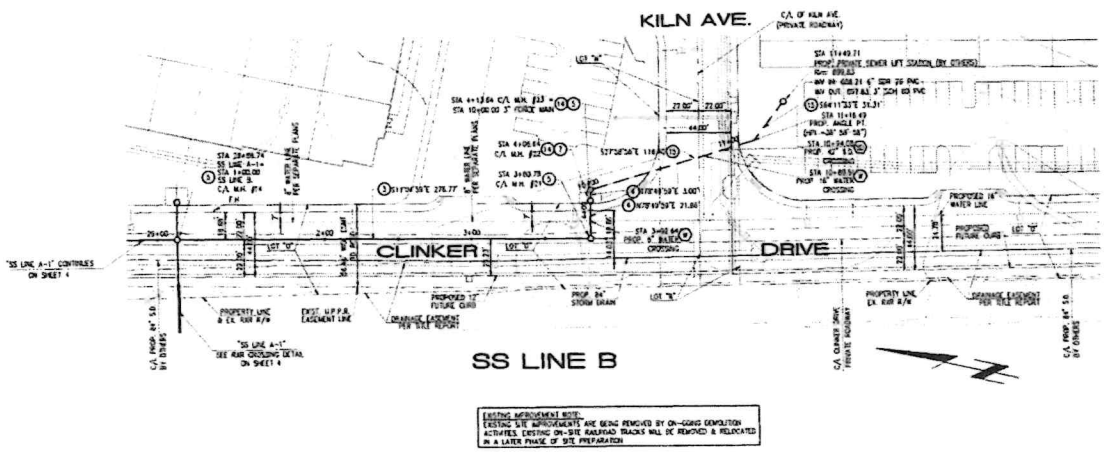


SS LINE B - PROFILE

3' PRIVATE FORCE MAIN FROM BUILDING 5  
STA. 10+00.00 3' FORCE MAIN - STA. 4+16.64 SS LINE B



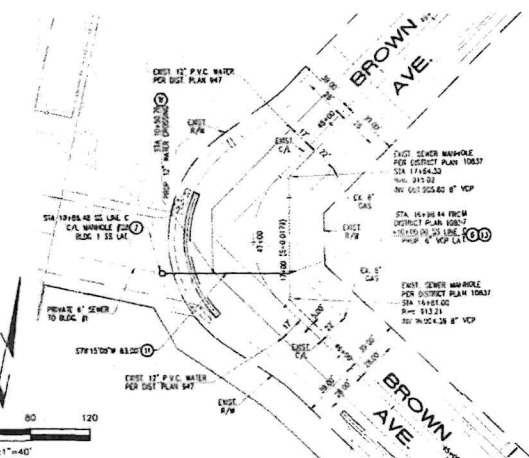
LINE C PROFILE  
BUILDING 1 - 6\"/>



SS LINE B

**SEWER CONSTRUCTION NOTES:**

- 1. CONSTRUCT 8\"/>



SS LINE C - PLAN VIEW

**CITY OF RIVERS**  
Underground  
Utilities Map  
Call: TOLL FREE  
**1-800-422-4133**  
TWO WORKING DAYS BEFORE YOU DIG

APPROVED BY THE RUBIDOUX COMMUNITY SERVICE DISTRICT FOR CONSTRUCTION.  
**Ted Beckwith**  
DATE: DIRECTOR OF ENGINEERING, NCE 48398  
VOID AFTER ONE YEAR FROM THIS DATE.

**REGISTERED PROFESSIONAL ENGINEER**  
RUBIDOUX COMMUNITY SERVICE DISTRICT  
NCE NO. 48398  
EXPIRES 12-31-22  
CIVIL  
STATE OF CALIFORNIA

**T&E Thienes Engineering, Inc.**  
CIVIL ENGINEERING & LAND SURVEYING  
17400 E. FIRESTONE AVENUE  
SUITE 100, IRVINE, CALIFORNIA 92614  
PH: 949-261-1111  
WWW.THIESEN.COM  
UNDER THE SUPERVISION OF:  
*[Signature]*  
REGISTERED PROFESSIONAL ENGINEER  
RUBIDOUX COMMUNITY SERVICE DISTRICT  
NCE NO. 26155  
DATE: 04/11/2022

SCALE: 1" = 40'
DATE: 04/11/22
DESIGNED BY: M.R.
CHECKED BY: D.S.
APPROVED BY: R.S.

RUBIDOUX COMMUNITY SERVICE DISTRICT  
**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**  
8\"/>

SHEET  
**6**  
OF 8 SHEETS  
R.C.S.D. PLAN N







# RUBIDOUX COMMUNITY SERVICES DISTRICT PARCEL MAP No. 37528 WATER IMPROVEMENT PLAN PHASE I

## RUBIDOUX COMMUNITY SERVICE DISTRICT GENERAL CONSTRUCTION NOTES FOR WATER PIPELINES

- ALL WORK SHALL CONFORM TO THE DESIGN AND CONSTRUCTION STANDARDS OF THE PCSD FOR WATER AND SEWER FACILITIES.
- WATER SYSTEM SHALL BE CONSTRUCTED BY THE DEVELOPER FOR DELIVERY TO THE RUBIDOUX COMMUNITY SERVICES DISTRICT. CONSTRUCTION, MATERIALS, TESTING AND INSPECTION SHALL COMPLY WITH DISTRICT GENERAL DESIGN STANDARDS. THE INSTALLATION SHALL MEET OR EXCEED THE REQUIREMENTS OF ALL PUBLIC AGENCIES HAVING JURISDICTION AND THE AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS, FAILURE TO MEET THESE REQUIREMENTS WILL BE CAUSE FOR REJECTION.
- CONSTRUCTION OF THE WATER SYSTEM SHALL NOT COMMENCE UNTIL A FINAL MAP HAS BEEN RECORDED BY RUBIDOUX COUNTY AND THE DEVELOPER HAS CERTIFIED THAT ALL STREETS ARE CONSTRUCTED TO FINAL GRADE. MATERIALS SHALL BE INSTALLED AFTER CONSTRUCTION OF CURB & GUTTER, SLOPE, STORM DRAIN, AND PRIOR TO THE PLACEMENT OF CROSS-CUTTERS, MANHOLES, AND PILING.
- PIPE FITTINGS, VALVES AND APPURTENANCES SHALL BE OF THE PIPE PRESSURE CLASS (NOT M.V.P. CLASS) SHOWN ON THE FRONT OF THESE PLANS. (NOTE: CAST IRON FITTINGS SHALL NOT BE ALLOWED)
- MINIMUM COVER OVER PIPE SHALL BE 42 INCHES. WHEN THE WATERLINE ENCOUNTERS AN OBSTRUCTION AND CROSSING OVER THE OBSTRUCTION WILL RESULT IN LESS THAN 42 INCHES OF COVER OVER THE WATERLINE, THE WATERLINE SHALL CROSS UNDER THE OBSTRUCTION (MIN. 12 INCHES CLEARANCE).
- CONTRACTOR SHALL PROVIDE EROSION PROTECTION AND CONDUCT ALL CONSTRUCTION IN ACCORDANCE WITH CAL-REG-16. REQUIREMENTS AND SHALL DETERMINE DEPTH AND LOCATION OF EXISTING UNDERGROUND FACILITIES PRIOR TO TRENCHING. OPEN TRENCH AT ANY ONE TIME SHALL BE LIMITED TO 300 FEET ALONG ROAD FRONT OF WAY AND SHALL BE BACKFILLED AND COMPACTED AT THE CONCLUSION OF EACH DAY.
- BACKFILL SHALL BE COMPACTED TO THE GREATER OF 95% RELATIVE DENSITY, EQUIVALENT TO THE SURROUNDING GROUND, OR TO THE REQUIREMENTS OF THE AGENCY HAVING JURISDICTION, WHICHEVER IS MORE STRINGENT. CONDUCT UNDERGROUND SERVICE ALERT (UGS) 221-2500 PRIOR TO ANY EXCAVATION.
- DEPTH AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHALL BE DETERMINED BY THE CONTRACTOR BY POTHOLING PRIOR TO TRENCHING. THE CONTRACTOR SHALL ALSO CONDUCT UNDERGROUND SERVICE ALERT (UGS) 221-2500 PRIOR TO ANY EXCAVATION.
- WHERE THE WATER MAIN CROSSES STORM DRAINS, OTHER PIPELINES, TELEPHONE AND ELECTRICAL CABLES, THE SHALLOW INSTALLATIONS, A MINIMUM OF 12 INCHES CLEARANCE SHALL BE PROVIDED BETWEEN THE MAIN AND OTHER INSTALLATIONS. SEPARATION OF THE WATER AND SEWER LINES SHALL COMPLY WITH THE RUBIDOUX COUNTY HEALTH DEPARTMENT STANDARDS AS SHOWN ON RUBIDOUX COUNTY STANDARD PLAN 509 AND ROAD STANDARD DRAWING R9109 AND SHALL NOT EXCEED THE REQUIREMENTS OF THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH.
- CONNECTION TO EXISTING RCSD WATERLINES SHALL BE IN ACCORDANCE WITH STANDARD RCSD PROCEDURES AND SHALL NOT BE ACCOMPLISHED UNLESS AN RCSD INSPECTOR IS PRESENT. NO CONNECTIONS TO EXISTING RCSD WATERLINES WILL BE ALLOWED ON PRIVATE PROPERTY.
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER OR CONTRACTOR TO APPLY TO THE RUBIDOUX COUNTY TRANSPORTATION DEPARTMENT, PERMIT SECTION FOR AN ENCROACHMENT PERMIT, FOR ALL WORK ON EXISTING COUNTY MAINTAINED ROADS.
- ALL SERVICE LATERALS SHALL BE LOCATED AT RIGHT ANGLES TO THE MAIN UNLESS OTHERWISE INDICATED ON THE PLANS AND APPROVED BY THE RCSD.
- PIPE SHALL BE MINIMUM 30 FT TO PROTECT THE PIPE AT ALL TIMES AND SHALL BE PROTECTED AGAINST FOUNDATION AT ALL TIMES. OPEN ENDS SHALL BE SEALED AT ALL TIMES WHEN CONSTRUCTION IS NOT IN PROGRESS.
- PIPE JOINTS SHALL NOT BE DEFLECTED AT AN ANGLE GREATER THAN THE MANUFACTURER'S RECOMMENDATION BY THE PIPE MANUFACTURER. ALL WELDED JOINTS SHALL BE MINIMUM DOUBLE PASS.
- TAPS ON PIPELINE SHALL BE INSTALLED PER DISTRICT STANDARDS AND AS APPROVED IN THE FIELD BY THE RCSD INSPECTOR. CONNECTIONS TO EXISTING RCSD PIPELINES SHALL NOT BE ACCOMPLISHED UNLESS AN RCSD INSPECTOR IS PRESENT. RCSD WILL OBJECT TO MAKE THE CONNECTION AT THE DEVELOPER'S CHARGE. CONTRACTOR TO FILL VERIFY WITH HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING WATERLINE PRIOR TO CONSTRUCTION.
- TEST PRESSURE SHALL BE 150% OF PIPE CLASS (I.E.: 100-225 PSI TEST), SHALL BE UNDER CONTINUOUS INSPECTION AND SHALL BE IN ACCORDANCE WITH DISTRICT STANDARD PROCEDURES.
- SURFACE IMPROVEMENTS CHANGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE RECONSTRUCTED BY THE CONTRACTOR TO THE REQUIREMENTS OF THE AGENCY HAVING JURISDICTION.
- THE PROHIBITS AND AIR VALVES TO BE LOCATED PER THE AGENCY HAVING JURISDICTION.
- WATER METER TO BE LOCATED PER PLAN, AIR RELIEF VALVE TO BE APPROVED BY THE RCSD. A "Y" SHALL BE INSTALLED ON THE CURB FACE AT EACH SERVICE LATERAL LOCATION.
- CONTRACTOR SHALL PLACE INSTALLATION TO GA SOURCE LOCATOR MARK WITH ALL C-1000 PVC PIPE TO ASSIST WITH FUTURE LOCATION.
- THE DEVELOPER SHALL PROVIDE ONE SET OF PLANS SHOWING ALL 1/4"=1'-0" CONDITIONS INCLUDING THE STATIONING OF SERVICE LATERALS CONNECTIONS AND PEG ELEVATIONS AS A CONDITION OF FINAL APPROVAL.
- ANY REVISION TO THESE DRAWINGS MUST BE APPROVED IN WRITING BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT.
- THE CONTRACTOR IS ADVISED THAT THE WORK ON THIS PROJECT HAS INITIALLY BEING IN A COMPLETED SPACE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH TYPHOID AND SPINACH ACTICLE (CAL. TITLE 8, CALIFORNIA ADMINISTRATIVE CODE).
- ALL PIPE LARGER THAN 18" IN DIAMETER SHALL BE PROTECTED BY VIDEO CAMERA PRIOR TO BACTERIOLOGICAL TESTING.
- CONTRACTOR SHALL MAINTAIN ALL WORK FOR 12 MONTHS AFTER THE DATE OF FINAL INSPECTION.

**REQUIRED PROJECT FIRE FLOW:**  
BASED ON APPHON 8 OF THE 2019 CALIFORNIA FIRE CODE, IS 8000 GPM FOR A 4 HOUR DURATION AT 20 PSI. RUBIDOUX COUNTY FIRE DEPARTMENT ALLOWS A SOF CREDIT ON THE FLOW FOR THIS SPRINKLER. THEREFORE, THE REQUIRED FIRE FLOW FOR THIS PROJECT IS 6000 GPM FOR A 4 HOUR DURATION AT 20 PSI RESIDUAL PRESSURE.

**PERMITS DEPARTMENT APPROVAL**  
APPROVED BY THE RUBIDOUX COUNTY FIRE DEPARTMENT:  
Mikki Sherry  
SIGNATURE OF FIRE AGENCY TITLE DATE

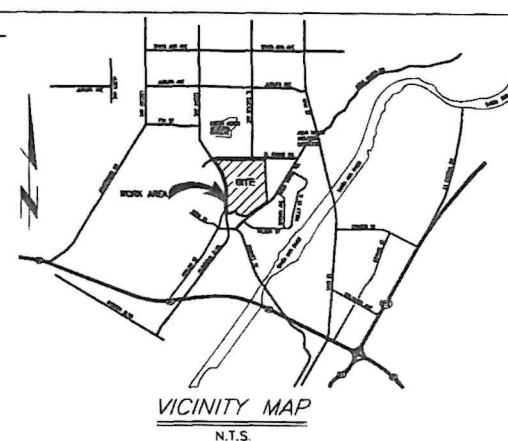
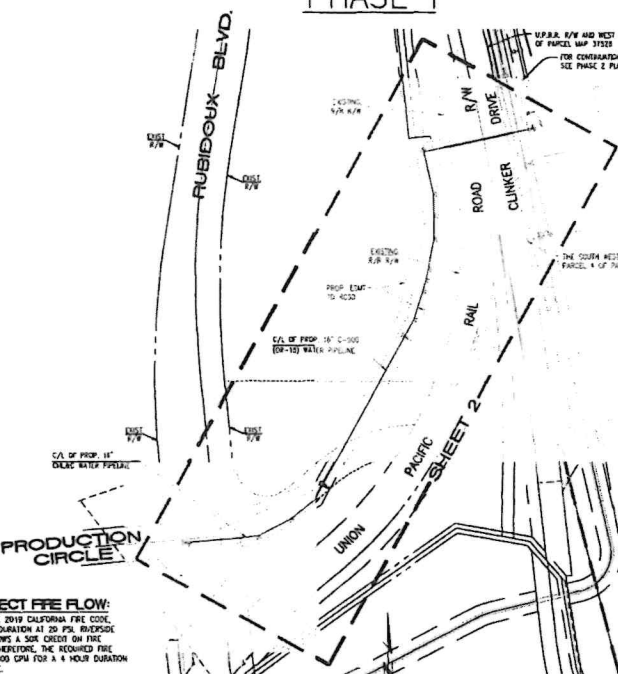
**BENCH MARK 1:**  
RUBIDOUX BENCHMARK NO. "LL-3-64 RESET 1970"  
STANDARD BRASS DISK, STAMPED TRV. CO. SIZE "LL-3-64 RESET 1970", AT THE "Y" INTERSECTION OF MARKET STREET & CROWN MANHOLE ROAD, 170 FEET NORTH FROM THE INTERSECTION ALONG THE CENTERLINE OF CROWN MANHOLE ROAD 17 FEET WEST OF THE CENTERLINE OF CROWN MANHOLE ROAD 17 FEET EAST OF A FOOT CHAIN (M.V. POLE) SURROUNDING E.I. TRENCH CONSTRUCTION COMPANY 7 FEET EAST OF A 6" M.V. DRAIN SET ON TOP OF A 12" x 12" x 1' CONCRETE HEAD RAIL  
ELEVATION = 884.497' (MVD 29' / 1971 MBL)

### ENGINEERS NOTICE TO CONTRACTORS

THE DISTANCE AND LOCATION OF UNDERGROUND UTILITY PLANS OR STRUCTURES SHOWN ON THESE PLANS WILL BE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THE CONTRACTOR SHALL TAKE THE PRECAUTIONS OF THE RECORDS AND SHALL AS WELL AS ANY NOT SHOWN AND SHALL CONFIRM ALL MEASUREMENTS AND GRADES BY FIELD INVESTIGATION.

### BASIS OF BEARING

THE BASIS OF BEARING FOR THIS SURVEY IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM (CCS-83), ZONE 6 NORTH AMERICAN DATUM (1983 EPOCH) BASED LOCALLY ON CONTINUOUSLY OPERATING REFERENCE STATION (COOPS) "M.L.P." AND "NOOD" AS SHOWN HEREON (BASIS OF BEARING: N 84°19'12.870" W). ALL BEARINGS SHOWN HEREON ARE COORDINATE BEARINGS AND REPRESENTED HEREON BY THE CENTERLINE OF EL RIVADO AVENUE BEING NORTH 89°19'59" WEST



### ENCASEMENT REQUIREMENTS IN UNION PACIFIC RIGHT OF WAY:

- ALL UNDERGROUND CROSSINGS, SINGLE OR MULTI PIPE 4" OR GREATER IN DIAMETER SHALL BE ENCASED. INSTALLATION OF MULTIPLE DOUBTS OR PIPELINES, REGARDLESS OF DIAMETER, SHALL REQUIRE ENCASEMENT.
- THE MINIMUM WALL THICKNESS REQUIRED FOR STEEL ENCASEMENTS IS BASED ON LENGTHS AND DIAMETERS OF PIPES.
- ENCASEMENT ENDS SHALL BE PLACED WITH UN-CRAFTER BRICKS OR OTHER SUITABLE MATERIAL APPROVED BY THE U.P.A.P. REPRESENTATIVE.
- THE UNION PACIFIC REPRESENTATIVE MAY REQUIRE THE PERMITTEE TO PRESSURE GRADE, FILLING ANY VOID GENERATED BY THE COURSE OF THE PROTECTED WORK. ENCASEMENT SHALL BE AT THE EXPENSE OF THE PERMITTEE. GRADE HOLES WHEN PLACED INSIDE OF THE PIPE, GENERALLY ON DIMETERS OF 24" OR GREATER, SHALL BE ON 4" CENTERS, OCCASIONALLY AND UP TO 22' OCCURED FROM VERTICAL AND SUBSEQUENTLY REPAIRED. THE LEFT AND RIGHT OF THE TOP LONGITUDINAL AXIS OF THE PIPE, GROUND PRESSURE SHALL NOT EXCEED 5 PSI FOR A DURATION SUFFICIENT TO FILL ALL VOIDS.
- IF THERE IS A SPACING REQUIREMENT WHEN PLACEMENT OF MULTIPLE ENCASEMENTS IS REQUIRED, THE DISTANCE BETWEEN MULTIPLE ENCASEMENTS SHALL BE THE GREATER OF OTHER 24" OR TWICE THAT OF THE DIAMETER OF THE LARGER PIPE BEING INSTALLED.
- PIPE OUTLERS WHEN USED SHALL ONLY ADD A MAXIMUM OF 1" IN DIAMETER TO THE OUTSIDE DIAMETER OF THE ENCASEMENT PIPE. HOLE IN EXCESS OF THE STANDARD SPECIFICATIONS SHALL BE GRATED.
- A BOND WELDED TO THE LEADING EDGE OF THE ENCASEMENT PIPE SHOULD BE PLACED SQUARE TO THE ALIGNMENT AND NOT ON THE BOTTOM EDGE OF PIPE. A FLANGE LEAK SECTION ON BONES OVER 200' SHALL NOT BE PERMITTED.
- THE LENGTH OF THE ALCER STRAND SHALL BE EQUAL TO TWICE OF THE SECTION OF ENCASEMENT PIPE.
- ENCASEMENTS PLACED WITH CONCRETE MASONRY MUST BE 4" OVER THE DIAMETER OF THE WATER SHOWER BACK OF CURB OR TO THE HIGHEST POINT OF PIPE LINE.
- ENCASEMENT PLACES ACROSS CONTROLLED ACCESS ROAD OF WAY SHALL EXTEND TO THE BOUNDARY RIGHT OF WAY LINES.

### WATER CONSTRUCTION NOTES:

NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY DEPT. AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.

- HOT TAP EXISTING 3" CHLOR WATER MAIN WITH 18" FLANGED OUTLET AND 1/4" LEAK VALVE PER RCSD STD. DWG. W1150, FULLY WELDED RESTRICTED JOINTS PER RCSD STD. DWG. W1240, TRENCH AND BACKFILL PER RCSD STD. DWG. C20 1 EA.
- INSTALL 18" DUCTILE IRON BUTTERFLY VALVE PER RCSD STD. DWG. W1100 THROUGH BLOCK PER RCSD STD. DWG. C20 3 EA.
- INSTALL 16" PVC C-300 (OR-18) WATER MAIN PER RCSD STANDARDS, JOINTS PER RCSD STD. DWG. C40, TRENCH AND BACKFILL PER RCSD STD. DWG. C20 158 LF.
- INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCSD STD. DWG. W1050 3 EA.
- INSTALL 18"x18" DUCTILE IRON (CLASS 350) 90° ELBOW WITH THRUST BLOCK PER RCSD STD. DWG. C50 2 EA.
- INSTALL 2" AIR VALVE PER RCSD STD. DWG. W1070 2 EA.
- BACK AND BORE PER UNION PACIFIC RAILROAD SPECIFICATIONS, INSTALL 14" CALGAC ASTM A53 (0.375" THICK) WATER MAIN PER RCSD STANDARDS, WELDED JOINTS AND RESTRICTED TRANSITION COUPLERS TO GO FROM PVC TO STEEL WITH 3/4" DIA. (0.75" WALL THICKNESS) STEEL PIPE CASING PER UNION PACIFIC RAILROAD SPECIFICATIONS. SEE ENCASEMENT REQUIREMENTS ON SHEET 1 110 LF.
- INSTALL 18" RESTRICTED BLIND FLANGE PER RCSD STD. DWG. W1240 1 EA.
- INSTALL 2" DOMESTIC WATER SERVICE, VETER AND METER BOX PER RCSD STD. DWG. W1110 1 EA.
- INSTALL 14" CALGAC (1/4") WATER MAIN WITH FULLY WELDED RESTRICTED JOINTS PER RCSD STD. DWG. W1240, TRENCH AND BACKFILL PER RCSD STD. DWG. C20 125 LF.
- INSTALL 18"x18" DUCTILE IRON (CLASS 350) 11 22.5° ELBOW WITH THRUST BLOCK PER RCSD STD. DWG. C50 4 EA.
- INSTALL 18"x18" DUCTILE IRON (CLASS 350) 22.5° ELBOW WITH THRUST BLOCK PER RCSD STD. DWG. C50 3 EA.
- PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 3 407 LF.

### INDEX MAP

SCALE: 1"=100'

### ABBREVIATIONS

R	RIGHT OF WAY	B.C.R.	BEGINNING OF CURVE
L.P.	LINE POINT	E.C.P.	END OF CURVE
C.P.	CENTERLINE	L.P.	LOW POINT
T.O.P.	TOP OF PIPE	T.O.P.	TOP OF PIPE
T.O.C.	TOP OF CURB	R.O.P.	RIDGE POINT
F.L.	FLOW LINE	R.G.	RATE OF GRADE
F.S.	FRESH SURFACE	T	TOP OF FOOTING
T.S.	TOP OF CONCRETE SLAB	T.F.	TOP OF WALL
H.P.	HIGH POINT	C.M.B.	CRUSHED BASE
F.F.	FRESH FLOOR	S.F.	SQUARE FEET
R.B.	REINFORCED CONCRETE PIPE	E.L.	ELEVATION
R.C.P.	REINFORCED CONC. PIPE	(1000)	(1000)
INTV.	INTERSECTION	R.O.W.	RIGHT OF WAY
S	SLOPE	T.O.P.	TOP OF GRADE
F.D.	FRESH GRADE	N.C.	NATURAL GRADE
S.D.	STREET LIGHT	D.I.P.	DUCTILE IRON PIPE
S.T.L.	STREET LIGHT	H.P.I.	HORIZONTAL POINT OF INFLECTION
S.B.	GRADE BREAK	V.P.I.	VERTICAL POINT OF INFLECTION
H.P.	HIGH POINT	EXIST.	EXISTING
C.F.	CURB FACE	PROJ.	PROPOSED
B.W.	BACK OF WALK	RUBIDOUX	RUBIDOUX COMMUNITY SERVICES DISTRICT
A.B.	AGGREGATE BASE	FEH	FIRE HYDRANT
P.V.C.	POLYVINYLCHLORIDE	D.M.S.	DOMESTIC WATER SERVICE
C.L.P.	CAST IRON PIPE	H.C.	HOUSEHOLD
F.H.	FRESH FINISH	M.H.	MANHOLE
P.P.	PIPE POLE	B.M.	BENCH MARK
C.B.	CATCH BASIN	T.B.	TOP OF BERM
R.G.	RATE OF GRADE	M.S.E.	WATER SURFACE ELEVATION

### LEGEND

- AIR VALVE ASSY. PER RCSD STD. DWG. W1040
- FRANCK ONE VALVE ASSY PER RCSD STD. DWG. W1020
- PROPOSED PIPELINE
- EXISTING PIPELINE
- REARER
- PIPE HYDRANT ASSY. PER RCSD STD. DWG. W1050 OR W1060
- THRUST PROTECTION PER RCSD STD. DWG. C40
- THRUST PROTECTION PER RCSD STD. DWG. W1070
- SERVICE INSTALLATION PER RCSD STD. DWG. W1150
- WATER QUALITY SAMPLE STATION PER RCSD STD. DWG. W1100
- VEE
- 90° ELBOW
- BLIND FLANGE
- CRIB
- METER BOX PER RCSD STD. DWG. W1100
- AUTOMATIC VALVE ASSY PER RCSD STD. DWG. W1050

48 hours BEFORE excavation  
**(800) 227-2600**  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PARCEL NO. 37528 IS IN ACCORDANCE WITH THE WATER SYSTEM DESIGN STANDARDS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT. I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF CALIFORNIA. I AM THE DESIGNER OF THIS PROJECT.  
DATE: 08/20/22  
DIRECTOR OF ENGINEERING: [Signature]  
DIRECTOR OF ENGINEERING: [Signature]  
VOID AFTER ONE YEAR FROM THIS DATE

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:  
[Signature]  
[Signature]  
[Signature]  
[Signature]  
DATE: 08/20/22  
DIRECTOR OF ENGINEERING: [Signature]

NO.	REVISIONS	DATE	BY

REGISTERED PROFESSIONAL ENGINEER  
STATE OF CALIFORNIA  
LEE NO. 30187  
EX. 10-31-08

**Thiessen Engineering, Inc.**  
ONE ENGINEERING & LAND SURVEYING  
14348 FIRESTONE BOULEVARD  
LA MIRADA, CALIFORNIA 90638  
PH: (562) 481-1000 FAX: (562) 481-1175  
APPROVED BY: [Signature]  
REGISTERED ENGINEER No. 23133 DATE: 08/20/22

SCALE: AS NOTED  
FIELD BOOK: [ ]  
DESIGN: M.R.  
DRAWN: D.T.  
CHECKED: R.S.

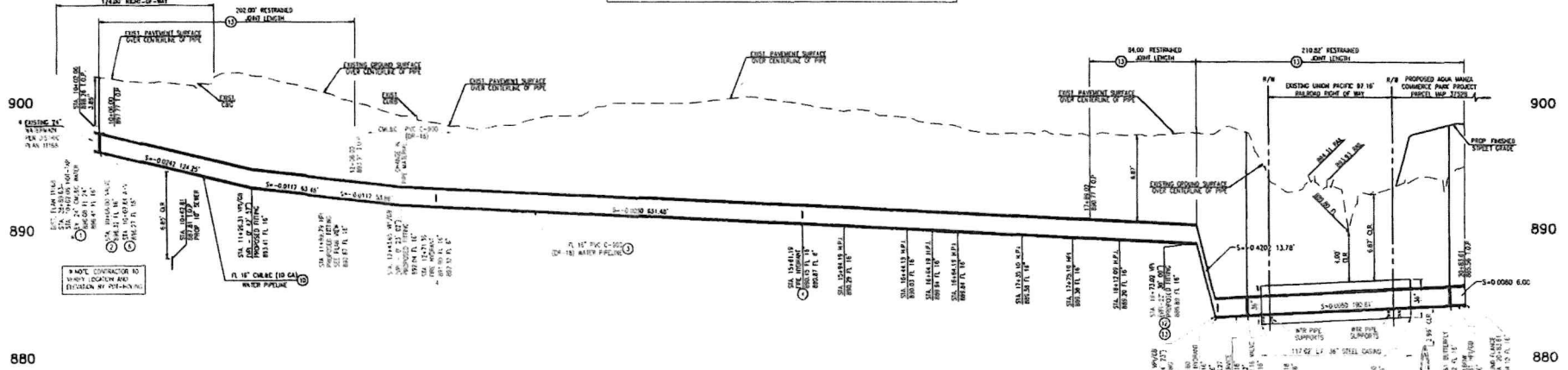
**RUBIDOUX COMMUNITY SERVICES DISTRICT**  
**WATER IMPROVEMENT PLAN FOR**  
**PARCEL MAP NO. 37528**  
**PHASE I**  
**TITLE SHEET**

SHEET 1  
OF 5 SHEETS  
R.C.S.D. PLAN N

910

910

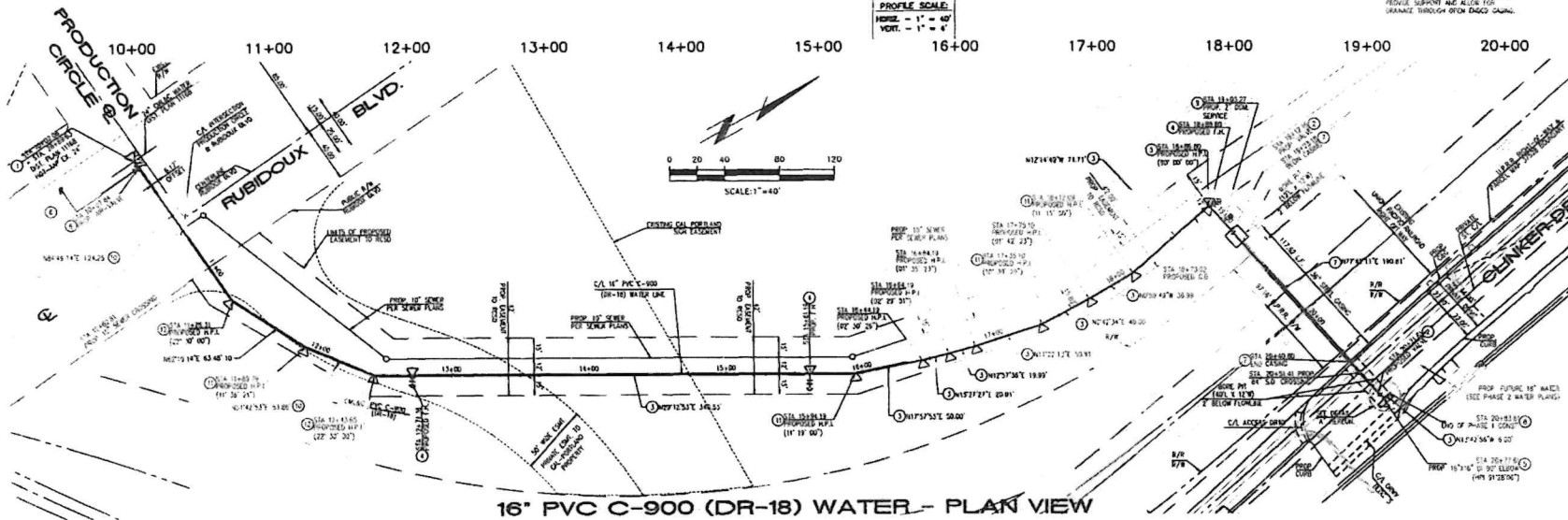
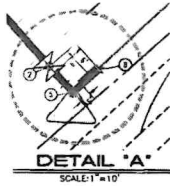
MINIMUM DESIGN PRESSURE: 106.5 PSI



16" PVC C-900 (DR-18) WATER PROFILE

PROFILE SCALE:  
HORIZ. - 1" = 40'  
VERT. - 1" = 4'

NOTE: CONTRACTOR TO PROVIDE NON-SLIP SURFACE SUPPORTS UNDER STEEL CASING TO PREVENT SLIP AND ALLOW FOR DRAINAGE THROUGH OPEN DRAIN CASING.



16" PVC C-900 (DR-18) WATER - PLAN VIEW

WATER CONSTRUCTION NOTES:

NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY INVERT AND LOCATIONS. EXISTING OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.

1. HOT TAP EXISTING 24" CASTIC WATER MAIN WITH 16" FLANGED OUTLET AND 16" GATE VALVE PER RCSD STD. DWG. W1240. TRENCH AND BACKFILL PER RCSD STD. DWG. C20.
2. INSTALL 16" CASTIC IRON BUTTERFLY VALVE PER RCSD STD. DWG. W1200 THROUGH BLOCK PER RCSD STD. DWG. C20.
3. INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER RCSD STANDARDS, JOINT RESTRAINED PER THRUST BLOCKS PER RCSD STD. DWG. C40. TRENCH AND BACKFILL PER RCSD STD. DWG. C20.
4. INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCSD STD. DWG. W1240.
5. INSTALL 16"x16" DUCTILE IRON (CLASS 350) 90° ELBOW WITH THRUST BLOCK PER RCSD STD. DWG. C20.
6. INSTALL 2" AIR VALVE PER RCSD STD. DWG. W1210.
7. JACK AND BORE PER UNION PACIFIC RAILROAD SPECIFICATIONS. INSTALL 16" CASTIC ASTM A53 (0.375" THICK) WATER MAIN PER RCSD STANDARDS, WELDED JOINTS AND RESTRAINED TRENCH COMPANIES 25' GO FROM PVC TO STEEL WITH 24" DIA. (0.75" WALL THICKNESS) STEEL PIPE CASING PER UNION PACIFIC RAILROAD SPECIFICATIONS. SEE DETAILMENT REQUIREMENTS ON SHEET 1.
8. INSTALL 16" RESTRAINED BIRD FLANGE PER RCSD STD. DWG. W1240.
9. INSTALL 2" DOMESTIC WATER SERVICE, METER AND METER BOX PER RCSD STD. DWG. W1110.
10. INSTALL 16" CASTIC (10' CA) WATER MAIN WITH FULLY WELDED RESTRAINED JOINTS PER RCSD STD. DWG. W1240. TRENCH AND BACKFILL PER RCSD STD. DWG. C20.
11. INSTALL 16"x16" DUCTILE IRON (CLASS 350) 11.25" ELBOW WITH THRUST BU PER RCSD STD. DWG. C40.
12. INSTALL 16"x16" DUCTILE IRON (CLASS 350) 22.5" ELBOW WITH THRUST BLD PER RCSD STD. DWG. C40.
13. PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 3.

48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I HEREBY GIVE THE ORDER OF THE WATER SYSTEM FOR P.W. NO. 1729 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE REDUCED TO MINIMUM MAINLINE TO 500 POUNDS OF SAID PRESSURE AND THIS OPERATIONAL PLAN AND CONSTRUCTION PLAN IS BEING SUBMITTED TO THE PUBLIC FOR COMMENT AND APPROVAL. THE PLAN IS BEING SUBMITTED TO THE PUBLIC FOR COMMENT AND APPROVAL. THE PLAN IS BEING SUBMITTED TO THE PUBLIC FOR COMMENT AND APPROVAL.

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:  
DIRECTOR OF ENGINEERING  
DATE: 11/11/19

NO.	REVISIONS	DATE	BY



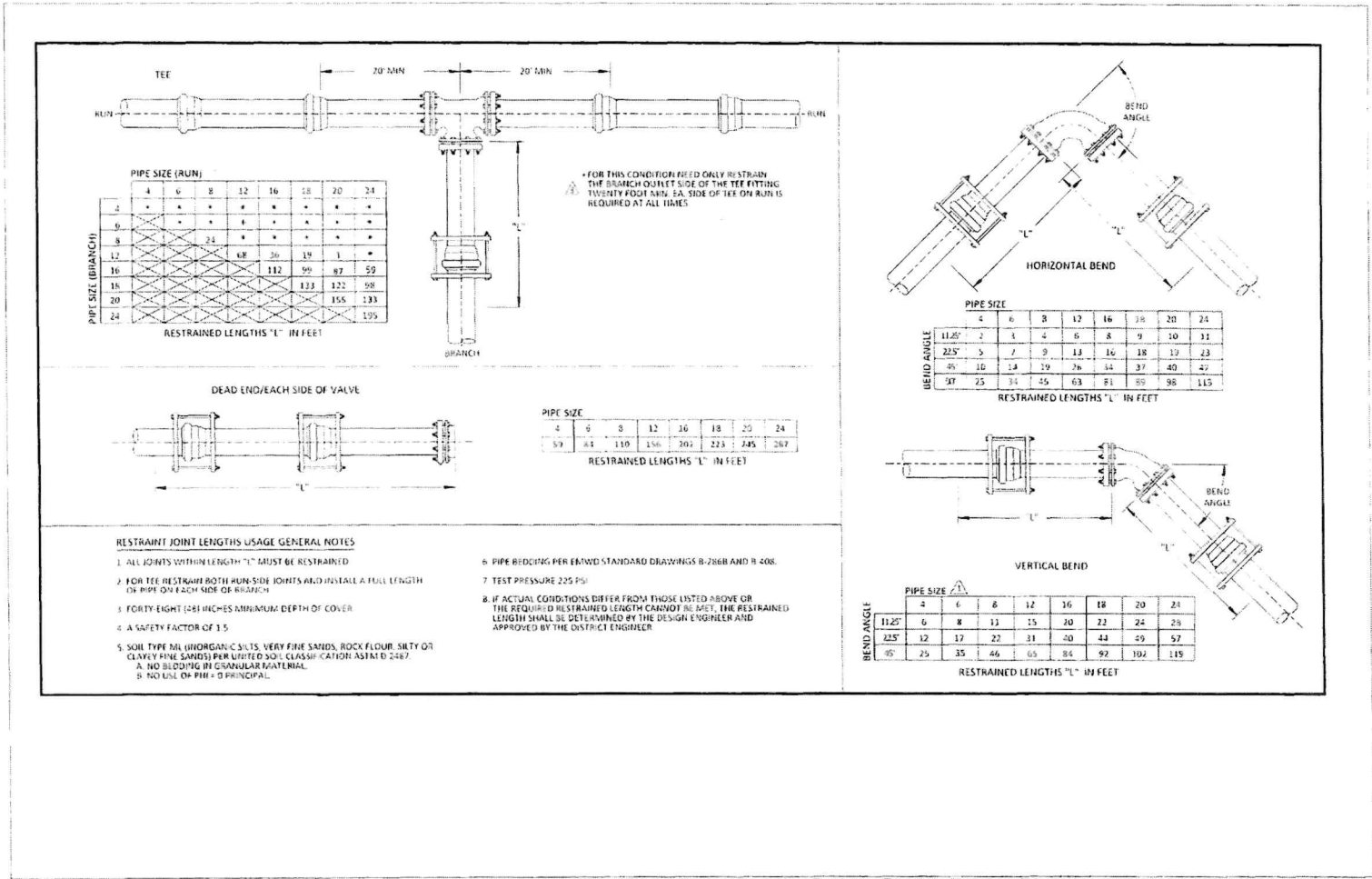
**Thienes Engineering, Inc.**  
ENGINEERING & LAND SURVEYING  
14343 FIRESTONE BOULEVARD  
LA MIRADA, CALIFORNIA 90638  
PH: (562) 461-1111 FAX: (562) 461-1121

APPROVED BY: *T. Thienes*  
REGISTERED ENGINEER No. 26155 DATE: 11/15/19

SCALE: AS NOTED  
FIELD BOOK  
DESIGN: M.R.  
DRAWN: D.T.  
CHECKED: R.S.

RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
PLAN AND PROFILE  
FROM STA 10+00.00 TO STA 20+83.61

SHEET  
**2**  
OF 8 SHEETS  
R.C.S.D. PLAN 1



ALL VALVES SHOULD BE RESTRAINED ON EACH SIDE AS IF THEY WERE DEAD ENDS (SEE ABOVE)

48 hours BEFORE excavation  
 (800) 227-2600  
 CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P.M. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE IMPROVEMENT AND CONSTRUCTION SYSTEM WILL BE ACCORDANT TO CURRENT WATER SERVICE TO SAID PARCELS AND THAT THE CERTIFICATION SHALL NOT CLAIM THAT THE DESIGN SHALL BE THE BASIS OF ANY AND SPECIFIC QUANTITIES, TURNS OF HEADINGS OR OTHER INFORMATION OR ANY OTHER PURPOSE.

DIRECTOR OF ENGINEERING, P.E. #4730

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION

DATE: \_\_\_\_\_

DIRECTOR OF ENGINEERING, P.E. #4730

VOID AFTER ONE YEAR FROM THIS DATE

SYM	REVISIONS	DATE	BY



**Tai Thienes Engineering, Inc.**  
 CIVIL ENGINEERING & LAND SURVEYING  
 14345 FIRESTONE BOULEVARD  
 LA MIRADA, CALIFORNIA 90638  
 PH: (562) 481-8300 FAX: (562) 481-4111

APPROVED BY: *Tai Thienes*  
 REGISTERED ENGINEER No. 26125 DATE: 2/12/22

SCALE	AS NOTED
FIELD BOOK	
DESIGN	M.R.
DRAWN	D.T.
CHECKED	R.S.

RUBIDOUX COMMUNITY SERVICES DISTRICT  
 WATER IMPROVEMENT PLAN FOR  
 PARCEL MAP NO. 37528  
**RESTRAINED JOINT  
 LENGTH DETAILS**

January 19, 2023  
 File No. 012847

**UNION PACIFIC RAILROAD**  
 1400 PLYMOUTH STREET  
 DENVER, COLORADO 80202

**RUBIDOUX COMMUNITY SERVICES DISTRICT**  
 1000 RICHMOND STREET  
 SAN JOSE, CALIFORNIA 95128

**ARTICLE 1. PURPOSE AND SCOPE**  
 This License Agreement is made and entered into as of November 19, 2022, by and between UNION PACIFIC RAILROAD COMPANY, a Delaware corporation ("UPRR") and RUBIDOUX COMMUNITY SERVICES DISTRICT, established at 1000 Richmond Street, San Jose, California 95128 ("Licensee").

**ARTICLE 2. LICENSE GRANTS**  
 Licensee hereby grants to UPRR, its agents, contractors, and employees, a limited-term license to use UPRR's facilities, equipment, and services for the purpose of installing and maintaining the Licensee's water main system. The Licensee shall be responsible for obtaining all necessary permits from the appropriate authorities. UPRR shall not be liable for any damage to its facilities or equipment caused by the Licensee's operations. The Licensee shall indemnify and hold UPRR harmless from and against all claims, damages, and expenses, including reasonable attorneys' fees, arising out of or from the Licensee's operations.

**ARTICLE 3. TERM**  
 This License Agreement shall remain in full force and effect until the Licensee has completed the installation and maintenance of the Licensee's water main system.

**ARTICLE 4. ASSIGNMENT**  
 Licensee shall not assign, subcontract, or otherwise transfer its obligations under this License Agreement to any third party without the prior written consent of UPRR.

**ARTICLE 5. ENTIRE AGREEMENT**  
 This License Agreement constitutes the entire agreement between the parties and supersedes all previous agreements, understandings, or negotiations between the parties.

**ARTICLE 6. GOVERNING LAW AND JURISDICTION**  
 This License Agreement shall be governed by the laws of the State of California. Any disputes arising out of or from this License Agreement shall be resolved through arbitration in accordance with the rules of the American Arbitration Association.

**ARTICLE 7. FORCE MAJEURE**  
 If the performance of this License Agreement is prevented, delayed, or otherwise materially affected by an event beyond the control of the Licensee, the Licensee shall be excused from performance for the duration of the event.

**ARTICLE 8. NOTICES**  
 All notices under this License Agreement shall be in writing and shall be delivered to the party to whom the notice is directed at the address set forth in this License Agreement.

**ARTICLE 9. COUNTERPARTS**  
 This License Agreement may be executed in multiple counterparts, each of which shall be deemed to be an original copy of this License Agreement, and all of which together shall be deemed to constitute one and the same agreement.

**ARTICLE 10. BINDING EFFECT**  
 This License Agreement shall be binding upon the Licensee and its successors, assigns, and agents.

**ARTICLE 11. AMENDMENTS**  
 This License Agreement may be amended or modified only by a written instrument signed by both parties.

**ARTICLE 12. HEADINGS**  
 The headings of this License Agreement are for reference only and shall not be construed to limit the scope or effect of any provision of this License Agreement.

**ARTICLE 13. SEVERABILITY**  
 If any provision of this License Agreement is held to be unenforceable, the remainder of this License Agreement shall remain in full force and effect.

**ARTICLE 14. WAIVER OF DEFENSE**  
 Licensee waives its right to assert any defense or counterclaim against UPRR arising out of or from this License Agreement.

**ARTICLE 15. ASSIGNMENT**  
 Licensee shall not assign, subcontract, or otherwise transfer its obligations under this License Agreement to any third party without the prior written consent of UPRR.

**ARTICLE 16. ENTIRE AGREEMENT**  
 This License Agreement constitutes the entire agreement between the parties and supersedes all previous agreements, understandings, or negotiations between the parties.

**ARTICLE 17. GOVERNING LAW AND JURISDICTION**  
 This License Agreement shall be governed by the laws of the State of California. Any disputes arising out of or from this License Agreement shall be resolved through arbitration in accordance with the rules of the American Arbitration Association.

**ARTICLE 18. FORCE MAJEURE**  
 If the performance of this License Agreement is prevented, delayed, or otherwise materially affected by an event beyond the control of the Licensee, the Licensee shall be excused from performance for the duration of the event.

**ARTICLE 19. NOTICES**  
 All notices under this License Agreement shall be in writing and shall be delivered to the party to whom the notice is directed at the address set forth in this License Agreement.

**ARTICLE 20. COUNTERPARTS**  
 This License Agreement may be executed in multiple counterparts, each of which shall be deemed to be an original copy of this License Agreement, and all of which together shall be deemed to constitute one and the same agreement.

**ARTICLE 21. BINDING EFFECT**  
 This License Agreement shall be binding upon the Licensee and its successors, assigns, and agents.

**ARTICLE 22. AMENDMENTS**  
 This License Agreement may be amended or modified only by a written instrument signed by both parties.

**ARTICLE 23. HEADINGS**  
 The headings of this License Agreement are for reference only and shall not be construed to limit the scope or effect of any provision of this License Agreement.

**ARTICLE 24. SEVERABILITY**  
 If any provision of this License Agreement is held to be unenforceable, the remainder of this License Agreement shall remain in full force and effect.

**ARTICLE 25. WAIVER OF DEFENSE**  
 Licensee waives its right to assert any defense or counterclaim against UPRR arising out of or from this License Agreement.

Union Pacific Railroad  
 License Agreement  
 File No. 012847

**PIPELINE CROSSING AGREEMENT**

1400 PLYMOUTH STREET  
 DENVER, COLORADO 80202

**THIS AGREEMENT ("Agreement") is made and entered into as of November 19, 2022, by and between UNION PACIFIC RAILROAD COMPANY, a Delaware corporation ("UPRR") and RUBIDOUX COMMUNITY SERVICES DISTRICT, established at 1000 Richmond Street, San Jose, California 95128 ("Licensee").**

**IT IS MUTUALLY AGREED BY AND BETWEEN THE PARTIES THAT IT HAS FOLLOWING:**

**ARTICLE 1. LICENSE GRANTS**  
 Licensee hereby grants to UPRR, its agents, contractors, and employees, a limited-term license to use UPRR's facilities, equipment, and services for the purpose of installing and maintaining the Licensee's water main system. The Licensee shall be responsible for obtaining all necessary permits from the appropriate authorities. UPRR shall not be liable for any damage to its facilities or equipment caused by the Licensee's operations. The Licensee shall indemnify and hold UPRR harmless from and against all claims, damages, and expenses, including reasonable attorneys' fees, arising out of or from the Licensee's operations.

**ARTICLE 2. TERM**  
 This License Agreement shall remain in full force and effect until the Licensee has completed the installation and maintenance of the Licensee's water main system.

**ARTICLE 3. ASSIGNMENT**  
 Licensee shall not assign, subcontract, or otherwise transfer its obligations under this License Agreement to any third party without the prior written consent of UPRR.

**ARTICLE 4. ENTIRE AGREEMENT**  
 This License Agreement constitutes the entire agreement between the parties and supersedes all previous agreements, understandings, or negotiations between the parties.

**ARTICLE 5. GOVERNING LAW AND JURISDICTION**  
 This License Agreement shall be governed by the laws of the State of California. Any disputes arising out of or from this License Agreement shall be resolved through arbitration in accordance with the rules of the American Arbitration Association.

**ARTICLE 6. FORCE MAJEURE**  
 If the performance of this License Agreement is prevented, delayed, or otherwise materially affected by an event beyond the control of the Licensee, the Licensee shall be excused from performance for the duration of the event.

**ARTICLE 7. NOTICES**  
 All notices under this License Agreement shall be in writing and shall be delivered to the party to whom the notice is directed at the address set forth in this License Agreement.

**ARTICLE 8. COUNTERPARTS**  
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**ARTICLE 9. BINDING EFFECT**  
 This License Agreement shall be binding upon the Licensee and its successors, assigns, and agents.

**ARTICLE 10. AMENDMENTS**  
 This License Agreement may be amended or modified only by a written instrument signed by both parties.

**ARTICLE 11. HEADINGS**  
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**ARTICLE 12. SEVERABILITY**  
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**ARTICLE 13. WAIVER OF DEFENSE**  
 Licensee waives its right to assert any defense or counterclaim against UPRR arising out of or from this License Agreement.

**ARTICLE 4. LICENSE COMPLIANCE WITH GENERAL TERMS**  
 Licensee agrees to comply with all applicable laws, regulations, and orders of the Federal Communications Commission, the Federal Energy Regulatory Commission, and the Federal Trade Commission, including but not limited to the rules and regulations of the Federal Communications Commission.

**ARTICLE 5. INSURANCE**  
 Licensee shall maintain and keep in full force and effect all applicable insurance policies, including but not limited to general liability, professional liability, and workers' compensation insurance, and shall provide evidence of such insurance to UPRR upon request.

**ARTICLE 6. INDEMNIFICATION**  
 Licensee shall indemnify and hold UPRR harmless from and against all claims, damages, and expenses, including reasonable attorneys' fees, arising out of or from the Licensee's operations.

**ARTICLE 7. ASSIGNMENT, DEFEASANCE, AND CONSENT**  
 Licensee shall not assign, subcontract, or otherwise transfer its obligations under this License Agreement to any third party without the prior written consent of UPRR.

**ARTICLE 8. WAIVER OF DEFENSE**  
 Licensee waives its right to assert any defense or counterclaim against UPRR arising out of or from this License Agreement.

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 If any provision of this License Agreement is held to be unenforceable, the remainder of this License Agreement shall remain in full force and effect.

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 Licensee waives its right to assert any defense or counterclaim against UPRR arising out of or from this License Agreement.

**ARTICLE 15. ASSIGNMENT**  
 Licensee shall not assign, subcontract, or otherwise transfer its obligations under this License Agreement to any third party without the prior written consent of UPRR.

**ARTICLE 16. ENTIRE AGREEMENT**  
 This License Agreement constitutes the entire agreement between the parties and supersedes all previous agreements, understandings, or negotiations between the parties.

**ARTICLE 17. GOVERNING LAW AND JURISDICTION**  
 This License Agreement shall be governed by the laws of the State of California. Any disputes arising out of or from this License Agreement shall be resolved through arbitration in accordance with the rules of the American Arbitration Association.

**ARTICLE 18. FORCE MAJEURE**  
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**ARTICLE 25. WAIVER OF DEFENSE**  
 Licensee waives its right to assert any defense or counterclaim against UPRR arising out of or from this License Agreement.

**IN WITNESS WHEREOF**, the parties have hereunto set their hands and seals as of the date first above written.

**UNION PACIFIC RAILROAD COMPANY**  
 By: \_\_\_\_\_  
 Title: \_\_\_\_\_

**RUBIDOUX COMMUNITY SERVICES DISTRICT**  
 By: \_\_\_\_\_  
 Title: \_\_\_\_\_

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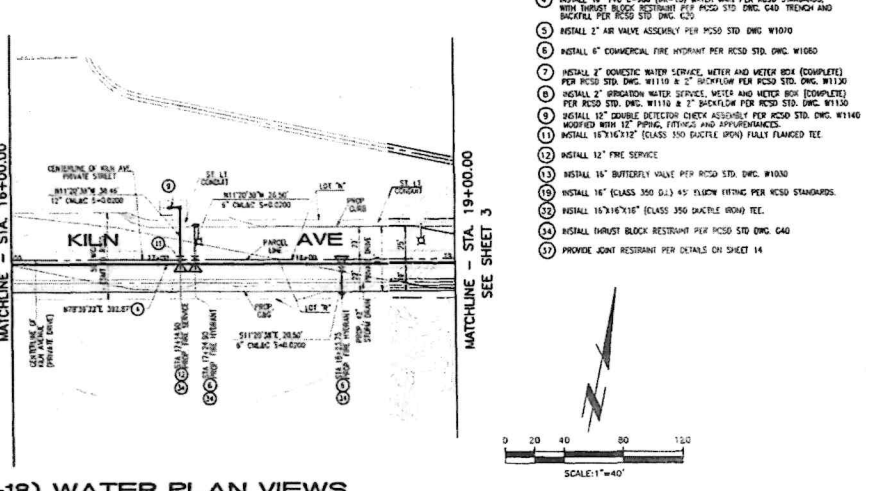
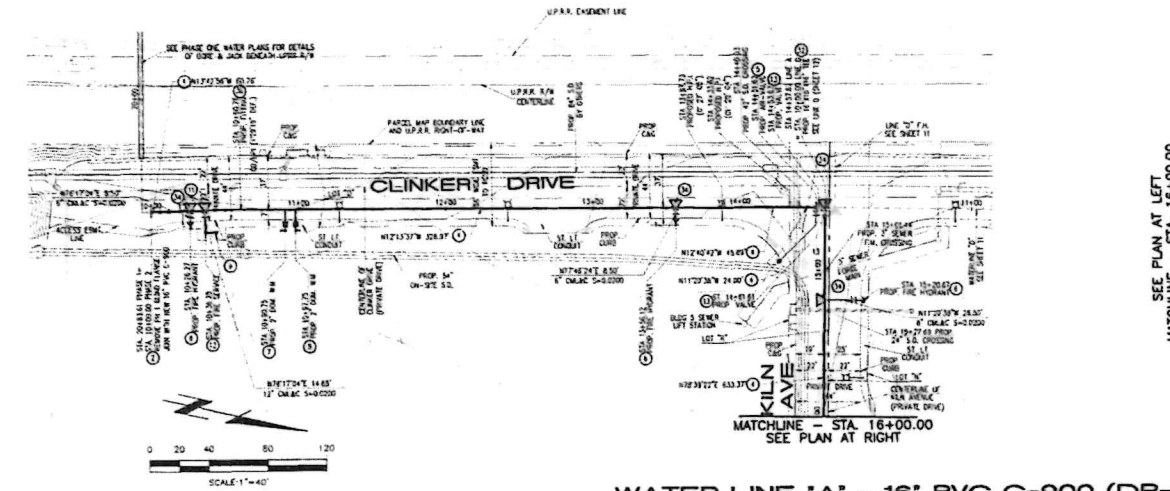
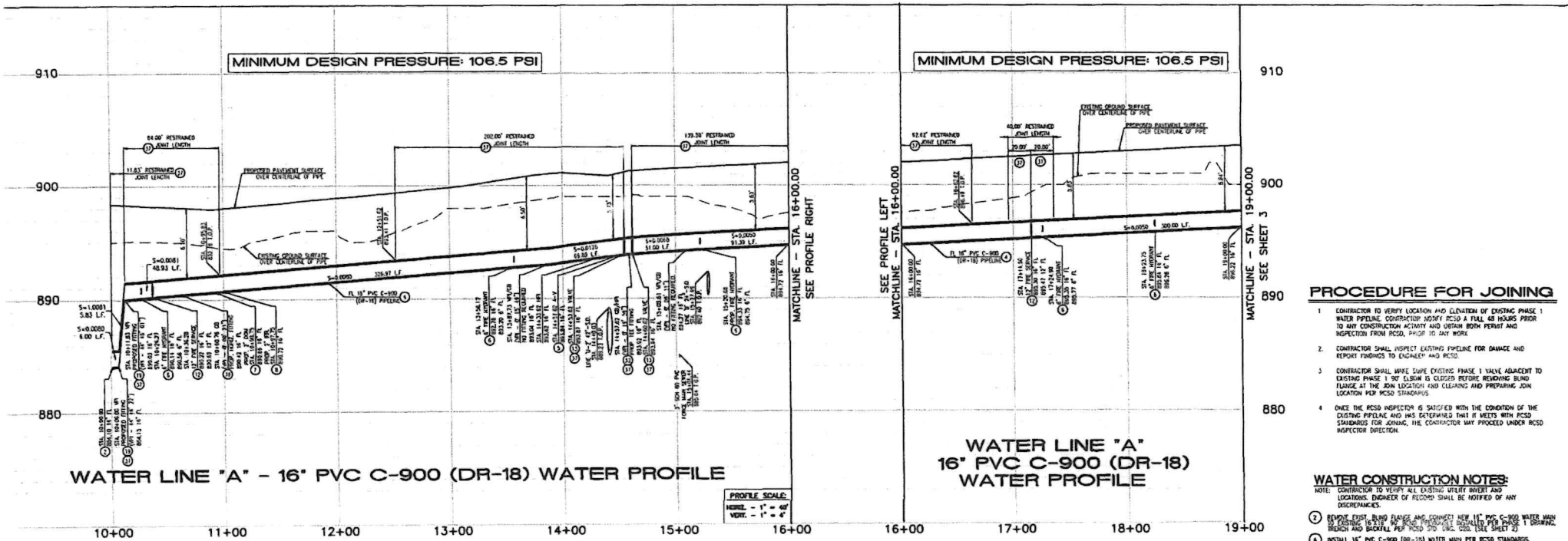
**ARTICLE 25. WAIVER OF DEFENSE**  
 Licensee waives its right to assert any defense or counterclaim against UPRR arising out of or from this License Agreement.

<p><b>48 hours BEFORE excavation</b>          (800) 227-2600          CALL Underground Service Alert</p>	<p><b>APPROVED BY THE DESIGNER</b>          DATE: _____</p>	<p><b>APPROVED BY THE REGISTERED PROFESSIONAL ENGINEER</b>          DATE: _____</p>	<p><b>SCALE</b>          AS NOTED</p>	<p><b>RUBIDOUX COMMUNITY SERVICES DISTRICT</b>          WATER IMPROVEMENT PLAN FOR          PARCEL MAP NO. 37528</p>	<p><b>SHEET</b>  <b>4</b>          OF 5 SHEETS</p>









**48 hours BEFORE excavation (800) 227-2600 CALL Underground Service Alert**

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P.M. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM WATER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM SHALL BE INSTALLED TO OBTAIN WATER SERVICE TO SAID PARCELS OF SAID PHASE 1 AND THIS CERTIFICATION DOES NOT GUARANTEE THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ANY SPECIFIC QUANTITIES, PRESSURES OR FREQUENCIES.

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:

DATE: [Signature] DIRECTOR OF ENGINEERING

DATE: [Signature] REGISTERED ENGINEER No. 55150

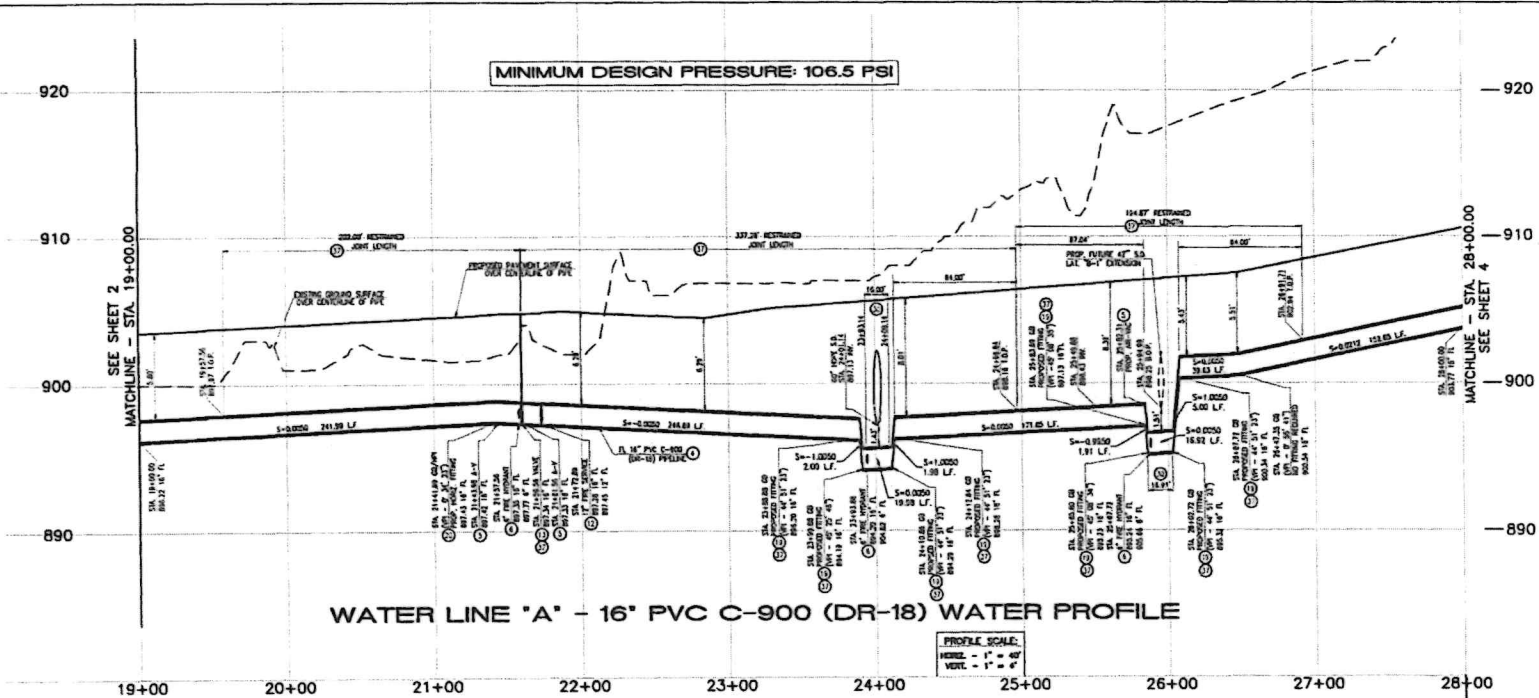
THENES ENGINEERING, INC. CIVIL ENGINEERING - LAND SURVEYING 14249 FORESTVIEW BOULVARD LA BERRA, CALIFORNIA 90638 PH(310)211-4111 FAX(310)211-4111

REGISTERED ENGINEER No. 55150 DATE: 12/21/22

RUBIDOUX COMMUNITY SERVICES DISTRICT  
 WATER IMPROVEMENT PLAN FOR  
 PARCEL MAP NO. 37528  
 LINE "A" PLAN & PROFILE  
 STA. 10+00.00 TO STA. 19+00.00

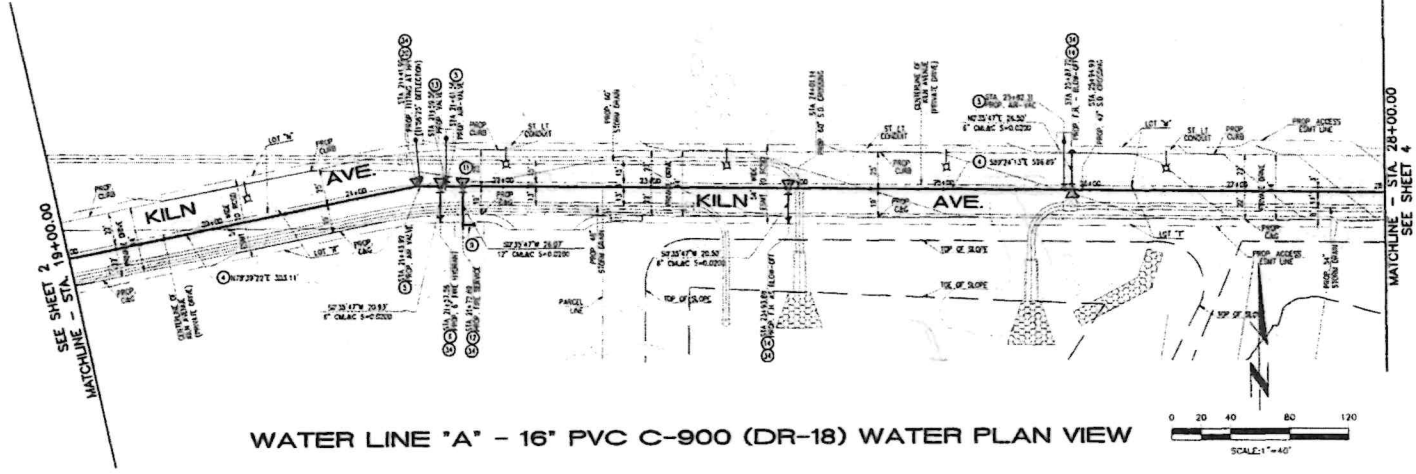
SCALE: 1" = 40'  
 FIELD BOOK  
 DESIGN: M.R.  
 DRAWN: D.F.  
 CHECKED: R.S.

SHEET 2 OF 10 SHEETS  
 R.C.S.D. PLAN N



**WATER LINE "A" - 16" PVC C-900 (DR-18) WATER PROFILE**

PROFILE SCALE:  
 HORIZ. 1" = 40'  
 VERT. 1" = 4'



**WATER LINE "A" - 16" PVC C-900 (DR-18) WATER PLAN VIEW**

- WATER CONSTRUCTION NOTES:**  
 NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY INVERT AND LOCATIONS. DIAMETER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- ④ INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER RCSD STANDARDS, WITH THURST BLOCK RESTRAINT PER RCSD STD. DWG. C48. TRENCH AND BACKFILL PER RCSD STD. DWG. C08.
  - ⑤ INSTALL 2" AIR VALVE ASSEMBLY PER RCSD STD. DWG. W1070.
  - ⑥ INSTALL 6" COMMERCIAL FIRE INVERTANT PER RCSD STD. DWG. W1060.
  - ⑦ INSTALL 12" DOUBLE DETECTION CHECK ASSEMBLY PER RCSD STD. DWG. W1140.
  - ⑧ INSTALL 18"X18"X12" (CLASS 350 DUCTILE IRON) FULLEY FLANGED TEE.
  - ⑨ INSTALL 12" FIRE SERVICE.
  - ⑩ INSTALL 16" BUTTERFLY VALVE PER RCSD STD. DWG. W1030.
  - ⑪ INSTALL 6" COMMERCIAL FIRE INVERTANT PER RCSD STD. DWG. W1060 (AS A LOW-POINT SYSTEM BLOW-OFF).
  - ⑫ INSTALL 16" (CLASS 350 D.I.) 45° ELBOW FITTING PER RCSD STANDARDS.
  - ⑬ INSTALL 16" (CLASS 350 D.I.) 11.25" ELBOW FITTING PER RCSD STANDARDS.
  - ⑭ CONTRACTOR TO AVOID PLACING PIPE JOINTS IN THIS SPAN.
  - ⑮ INSTALL THURST BLOCK RESTRAINT PER RCSD STD. DWG. C48.
  - ⑯ PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.

**48 hours BEFORE excavation**  
 (800) 227-2600  
 CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PM NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT, AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE NECESSARY TO SUPPLY WATER SERVICE TO SAID PARCELS AND THAT THIS CERTIFICATION DOES NOT GUARANTEE THAT IT WILL SUPPLY WATER TO SAID PARCELS IN ANY SPECIFIC QUANTITIES, PRESSURE OR PRESSURES.  
 CIVIL ENGINEER  
 REG. NO. 4583  
 DATE 12/17/23  
 DIRECTOR OF ENGINEERING, RC 45794

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT PER CITY ENGINEER  
 CIVIL ENGINEER  
 REG. NO. 4583  
 DATE 12/17/23  
 VOID AFTER ONE YEAR FROM THIS DATE

NO.	REVISIONS	DATE	BY

REGISTERED PROFESSIONAL ENGINEER  
 CIVIL  
 STATE OF CALIFORNIA  
 REG. NO. 58153  
 EXP. 12-31-25

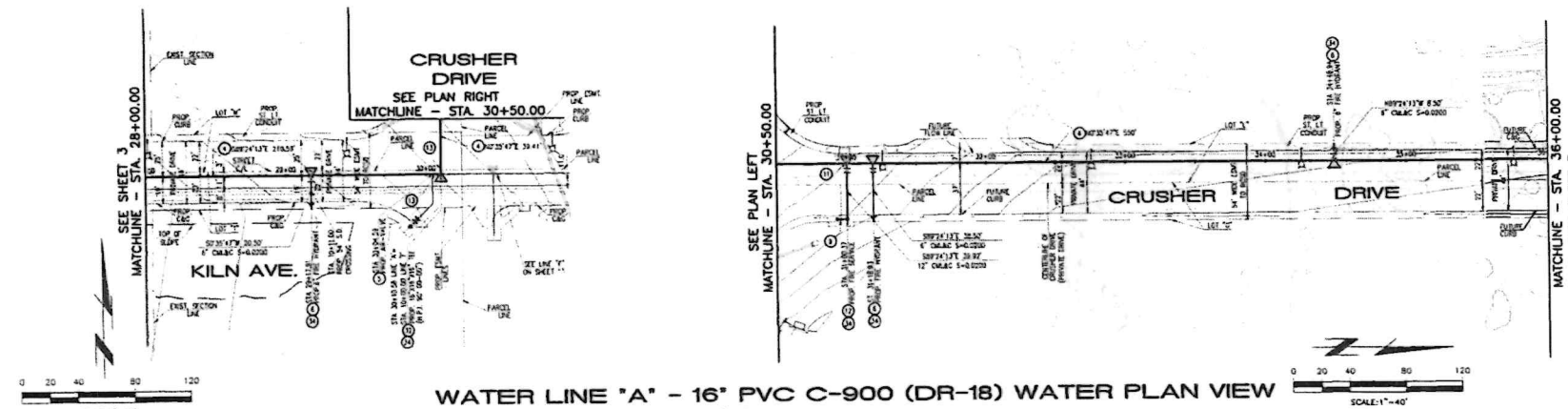
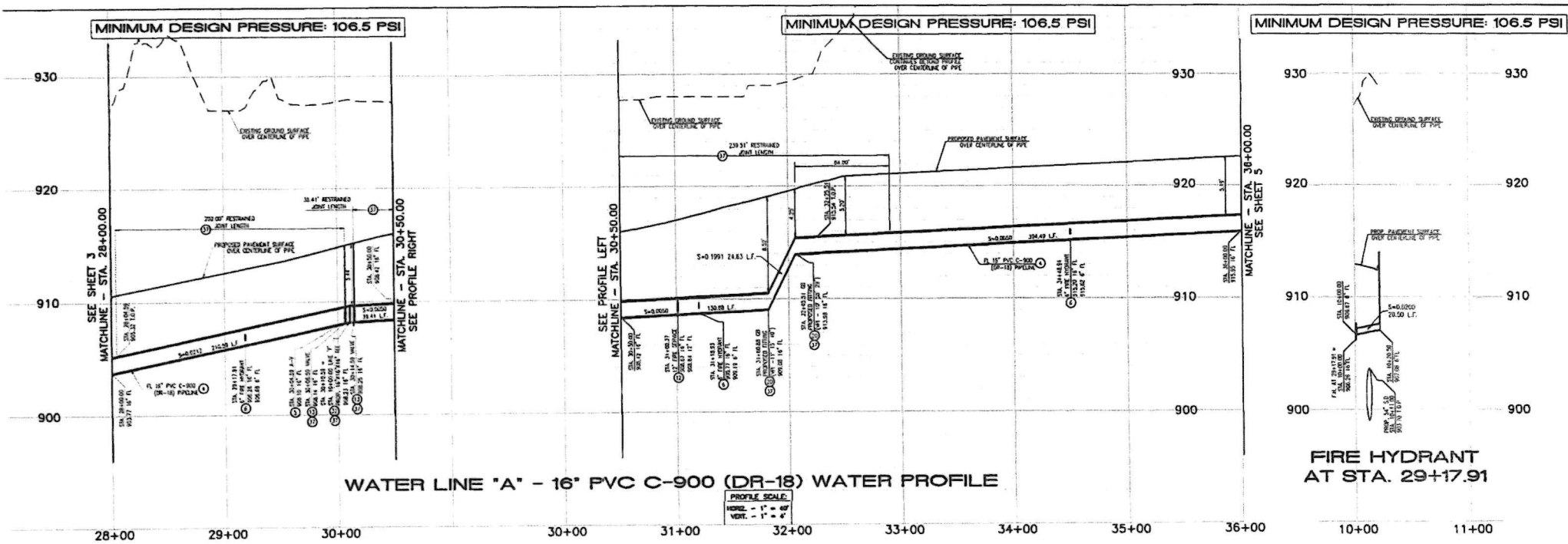
**Thienes Engineering, Inc.**  
 CIVIL ENGINEERING • LAND SURVEYING  
 74349 FORESTHURST BOULEVARD  
 LA MARCA, CALIFORNIA 92526  
 PH: (951) 484-1227 • FAX: (951) 484-1228

APPROVED BY: *[Signature]*  
 REGISTERED ENGINEER NO. 58153 DATE 12/17/23

SCALE	SCALE: 1"=40'
FIELD BOOK	
DESIGN	M.R.
DRAWN	D.T.
CHECKED	R.S.

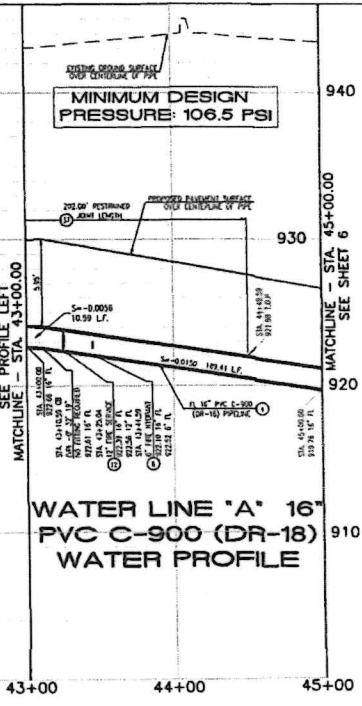
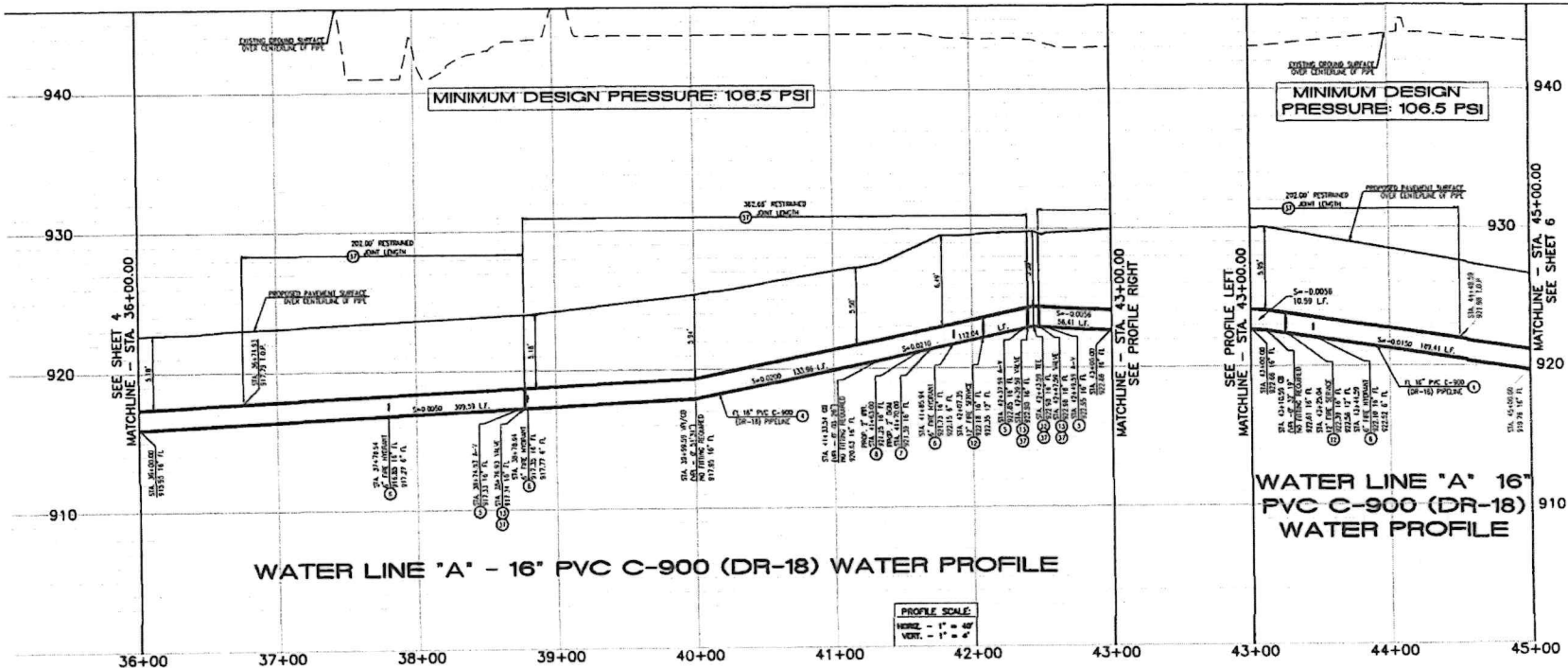
RUBIDOUX COMMUNITY SERVICES DISTRICT  
 WATER IMPROVEMENT PLAN FOR  
 PARCEL MAP NO. 37528  
 LINE "A" PLAN & PROFILE  
 STA. 19+00.00 TO STA. 28+00.00

SHEET  
**3**  
 OF 10 SHEETS  
 R.C.S.D. PLAN N

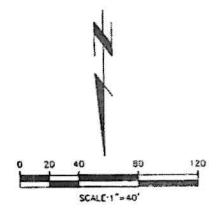
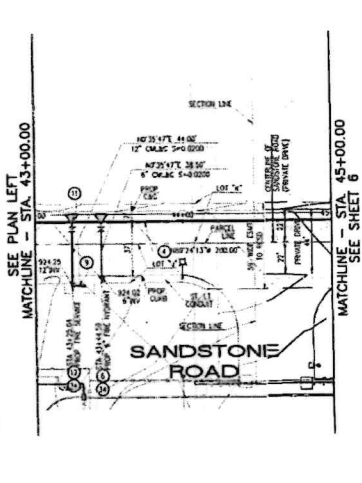
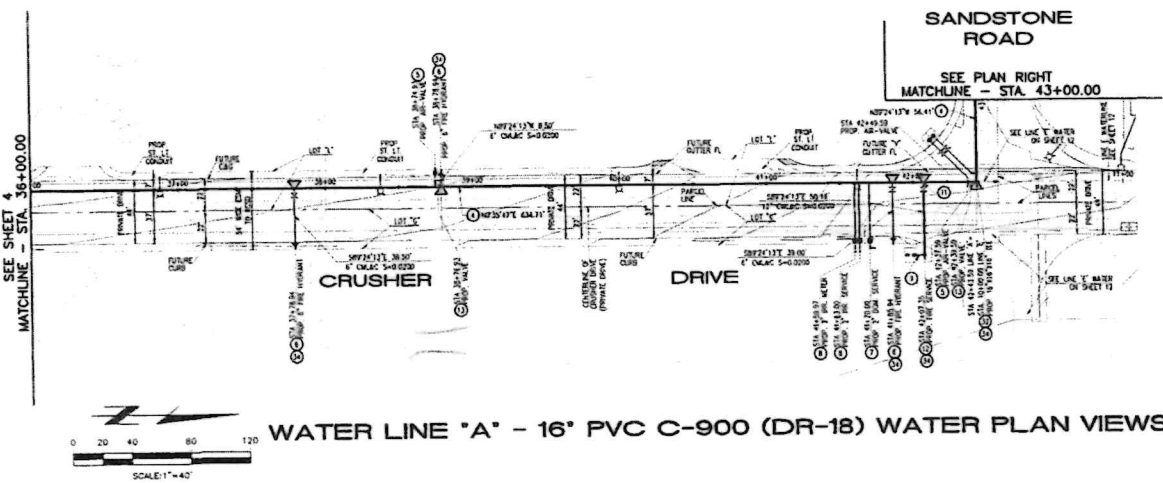


- WATER CONSTRUCTION NOTES:**  
NOTE: CONTRACTOR TO VERIFY ALL EXISTING UNLIT AVERT AND LOCATIONS. DIMENSIONS OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
1. INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER RCSD STANDARDS WITH BURST BLOCK RESTRAINT PER RCSD STD DWG. GAO TRENCH AND BACKFILL PER RCSD STD DWG. G-20
  2. INSTALL 2" AIR VALVE ASSEMBLY PER RCSD STD DWG. W107D
  3. INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCSD STD DWG. W109D
  4. INSTALL 12" DOUBLE DETECTOR CHECK ASSEMBLY PER RCSD STD DWG. W114D MODIFIED WITH 12" FILING, FITTINGS AND APPURTENANCES.
  5. INSTALL 16"x18"x12" (CLASS 350) DUCTILE IRON FULLY FLANGED TEE.
  6. INSTALL 12" FIRE SERVICE
  7. INSTALL 18" BUTTERFLY VALVE PER RCSD STD. DWG. W103D
  8. INSTALL 18" (CLASS 350 D.I.) 11.25' ELBOW FITTING PER RCSD STANDARDS.
  9. INSTALL 16"x18"x12" (CLASS 350) DUCTILE IRON TEE.
  10. INSTALL BURST BLOCK RESTRAINT PER RCSD STD DWG. G-40
  11. PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14

<p>48 hours BEFORE excavation (800) 227-2600 CALL Underground Service Alert</p>	<p>I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PAR. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM WATER PLANS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, UTILITY AND INSTALLATION SYSTEM WILL BE RELIABLE TO SUPPLY WATER SERVICE TO SAID PARCELS OF SAID PARCEL MAP AND CERTIFICATION DOES NOT GUARANTEE THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ANY SPECIFIC QUANTITIES, FLOWS, OR PRESSURES.</p> <p>DATE: 12/11/22 DIRECTOR OF ENGINEERING: RCE 48288</p>	<p>APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT</p> <p>DATE: 12/11/22 DIRECTOR OF ENGINEERING: RCE 48288</p>	<p>APPROVED BY: [Signature]</p> <p>REGISTERED ENGINEER No. 56152 DATE: 3/17/22</p>	<p>SCALE: 1" = 40'</p> <p>FIELD BOOK</p> <p>DESIGN: M.R.</p> <p>DRAWN: D.T.</p> <p>CHECKED: R.S.</p>	<p>RUBIDOUX COMMUNITY SERVICES DISTRICT WATER IMPROVEMENT PLAN FOR PARCEL MAP NO. 37528 LINE "A" PLAN &amp; PROFILE STA. 28+00.00 TO STA. 36+00.00</p>	<p>SHEET <b>4</b> OF 10 SHEETS R.C.S.D. PLAN H</p>
	<p>VOID AFTER ONE YEAR FROM THIS DATE</p>	<p>SYN</p>	<p>REVISIONS</p>	<p>DATE BY</p>	<p>DATE: 3/17/22</p>	<p>DATE: 3/17/22</p>



- WATER CONSTRUCTION NOTES:**
- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY DEPTH AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER RCSD STANDARDS WITH BURST BLOCK RESTRAINT PER RCSD STD. DWG. 440. TRENCH AND BRICELL PER RCSD STD. DWG. 430.
  - INSTALL 2" AIR VALVE ASSEMBLY PER RCSD STD. DWG. W1070.
  - INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCSD STD. DWG. W1050.
  - INSTALL 1" DOMESTIC WATER SERVICE, METER AND WATER BOX (COMPLETED) PER RCSD STD. DWG. W1110 & 2" BACKFLOW PER RCSD STD. DWG. W1130.
  - INSTALL 2" IRRIGATION WATER SERVICE, METER AND WATER BOX (COMPLETED) PER RCSD STD. DWG. W1110 & 2" BACKFLOW PER RCSD STD. DWG. W1130.
  - INSTALL 12" DOUBLE GATE VALVE ASSEMBLY PER RCSD STD. DWG. W1140. ADJUSTED WITH 12" PIPING, FITTINGS AND APPURTENANCES.
  - INSTALL 18"X18"X12" (CLASS 350 DUCTILE IRON) FULLY FLANGED TEE.
  - INSTALL 12" FIRE SERVICE.
  - INSTALL 16" BUTTERFLY VALVE PER RCSD STD. DWG. W1050.
  - INSTALL 18"X18"X16" (CLASS 350 DUCTILE IRON) TEE.
  - INSTALL BURST BLOCK RESTRAINT PER RCSD STD. DWG. 440.
  - PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.



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DATE: 12/31/2020  
 DIRECTOR OF ENGINEERING, RCE 48782

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:

DATE: 12/31/2020  
 DIRECTOR OF ENGINEERING, RCE 48782

VOID AFTER ONE YEAR FROM THIS DATE

SYN REVISIONS DATE BY

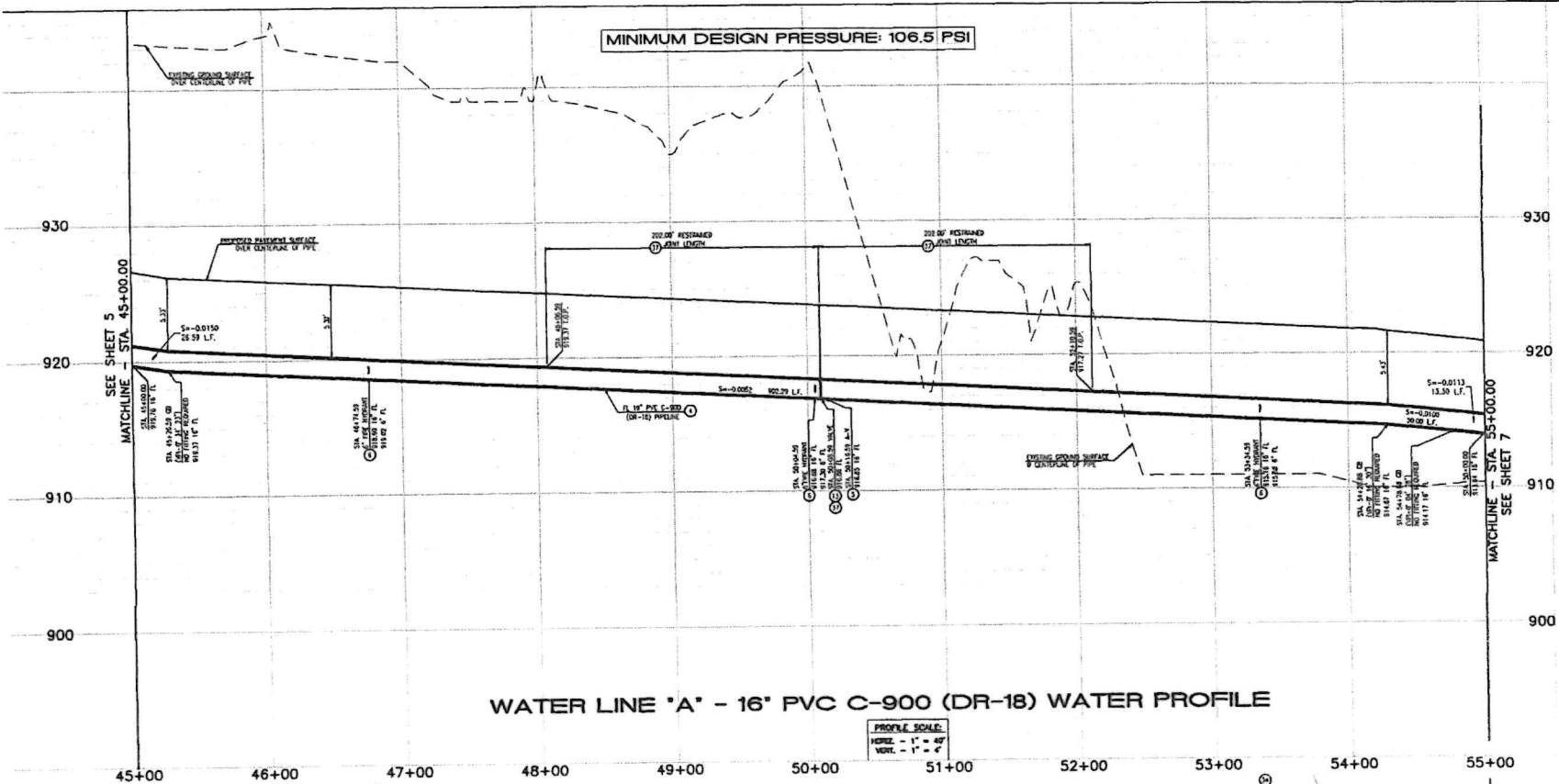
**Thienes Engineering, Inc.**  
 CIVIL ENGINEERING • LAND SURVEYING  
 14249 FIRESTONE BOLLWEGER  
 CA 92504 CALIFORNIA 92504  
 PH: 951-727-4444 FAX: 951-727-4444

APPROVED BY: *[Signature]*  
 REGISTERED ENGINEER No. 56155 DATE: 12/31/2020

SCALE: 1" = 40'

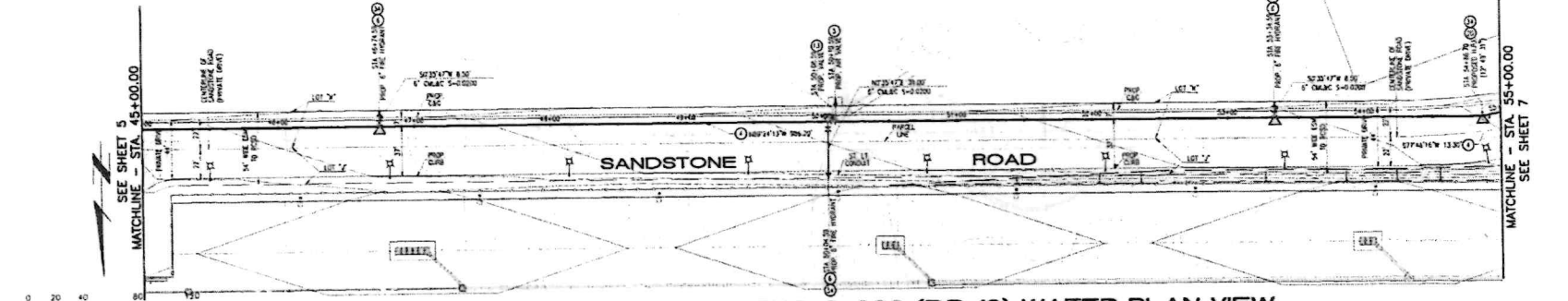
RUBIDOUX COMMUNITY SERVICES DISTRICT  
 WATER IMPROVEMENT PLAN FOR  
 PARCEL MAP NO. 37528  
 LINE "A" PLAN & PROFILE  
 STA. 36+00.00 TO STA. 45+00.00

SHEET 5 OF 18 SHEETS  
 R.C.S.D. (PLAN 1)



WATER LINE 'A' - 16" PVC C-900 (DR-18) WATER PROFILE

PROFILE SCALE:  
 HORIZ. - 1" = 40'  
 VERT. - 1" = 4'



WATER LINE 'A' - 16" PVC C-900 (DR-18) WATER PLAN VIEW

- WATER CONSTRUCTION NOTES:**  
 NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY DEPTH AND LOCATIONS. EXISTENCE OF RECORDS SHALL BE NOTED BY ANY DISCREPANCIES.
- 1. INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER RCD STANDARD, WITH THRUST BLOCK PER RCD STD DWG. CAD TRENCH AND BACKFILL PER RCD STD DWG. #11070
  - 2. INSTALL 2" ASB VALVE ASSEMBLY PER RCD STD DWG. #11070
  - 3. INSTALL 8" COMMERCIAL FINE GRANULAR PER RCD STD DWG. #11060
  - 4. INSTALL 16" BUTTERFLY VALVE PER RCD STD DWG. #11050
  - 5. INSTALL 16" (CLASS 200 C.I.) 11.25' ELONG FITTING PER RCD STANDARD.
  - 6. INSTALL THRUST BLOCK PER RCD STD DWG. CAD.
  - 7. PROVIDE JOINT RESTRAINT PER DETAIL ON SHEET 14.

48 hours BEFORE excavation  
 (800) 227-2600  
 CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P.M. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE DESIGNED TO SERVE WATER SERVICE TO SAID PARCELS OF SAID PARCELS AT ANY SPECIFIC QUANTITIES, FLOWS, OR PRESSURES AS INDICATED ON THESE PLANS AND FOR THE PURPOSES INTENDED.

DATE: 12/21/22  
 DIRECTOR OF ENGINEERING: REX #470

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FIRE DEPARTMENT

DATE: 12/21/22  
 DIRECTOR OF ENGINEERING: REX #470

VOID AFTER ONE YEAR FROM THIS DATE



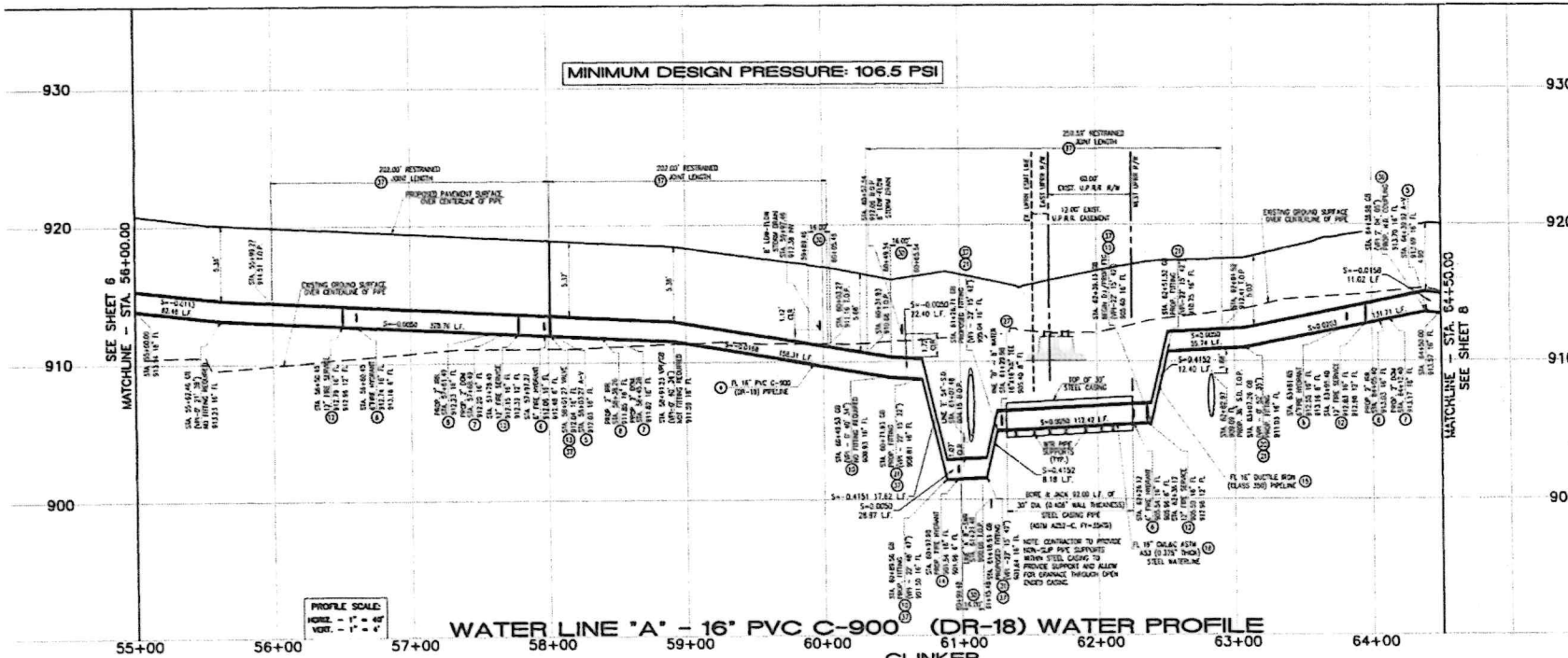
**Thiens Engineering, Inc.**  
 CIVIL ENGINEERING - LAND SURVEYING  
 14240 FORESTONE BOULEVARD  
 LA MIRADA, CALIFORNIA 90638  
 PH: 562-944-8888 FAX: 562-944-1111

APPROVED BY: [Signature]  
 REGISTERED ENGINEER No. 55155 DATE: 12/21/22

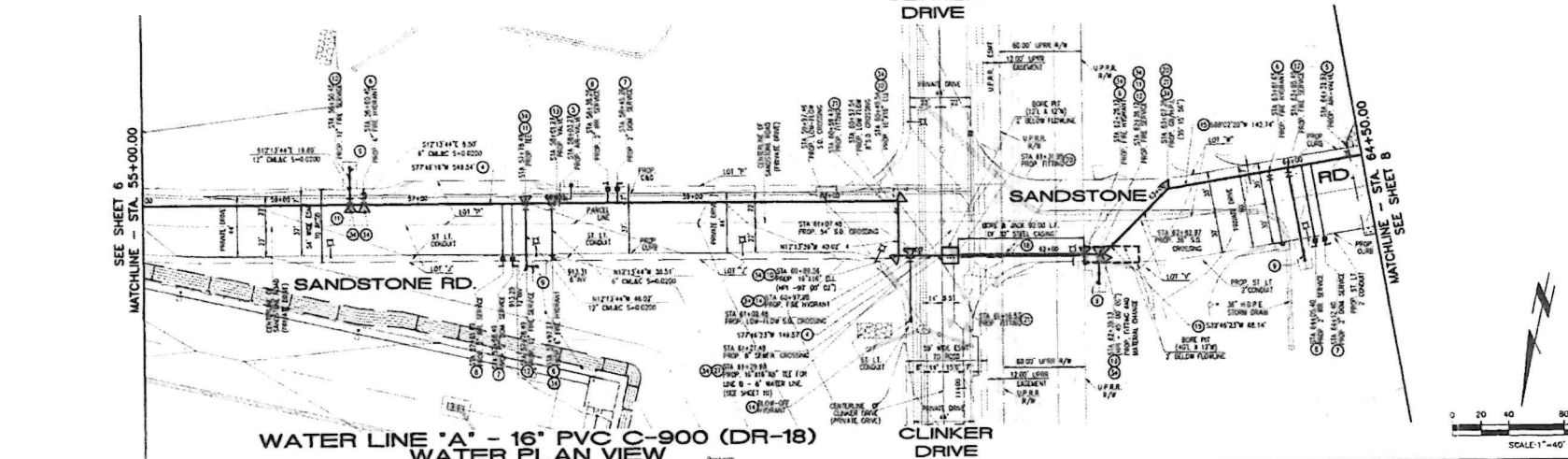
SCALE: 1"=40'  
 FIELD BOOK  
 DESIGN: M.R.  
 DRAWN: D.T.  
 CHECKED: R.S.

RUBIDOUX COMMUNITY SERVICES DISTRICT  
 WATER IMPROVEMENT PLAN FOR  
 PARCEL MAP NO. 37528  
 LINE "A" PLAN & PROFILE  
 STA. 45+00.00 TO STA. 55+00.00

SHEET 6 OF 18 SHEETS  
 R.C.S.D. PLAN #



- WATER CONSTRUCTION NOTES:**  
 NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY LOCATIONS AND LOCATIONS OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
1. INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER RCSD STANDARDS WITH THRUST BLOCK RESTRAINT PER RCSD STD. DMC. W1130 AND BACKFILL PER RCSD STD. DMC. W1140
  2. INSTALL 2" AIR VALVE ASSEMBLY PER RCSD STD. DMC. W1170
  3. INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCSD STD. DMC. W1100
  4. INSTALL 2" DOMESTIC WATER SERVICE, METER AND METER BOX (COMPLETE) PER RCSD STD. DMC. W1110 & 2" BACKFLOW PER RCSD STD. DMC. W1130
  5. INSTALL 2" BRINATION WATER SERVICE, METER AND METER BOX (COMPLETE) PER RCSD STD. DMC. W1110 & 2" BACKFLOW PER RCSD STD. DMC. W1130
  6. INSTALL 12" DOUBLE DETECTOR CHECK ASSEMBLY PER RCSD STD. DMC. W1140 VORFIED WITH 12" PIPING, FITTINGS AND APPURTENANCES.
  7. INSTALL 16"x16" (CLASS 350 DUCTILE IRON) 90° ELBOW.
  8. INSTALL 16"x16"x12" (CLASS 350 DUCTILE IRON) FULLY FLANGED TEE.
  9. INSTALL 12" FIRE SERVICE.
  10. INSTALL 18" BUTTERFLY VALVE PER RCSD STD. DMC. W1100
  11. INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCSD STD. DMC. W1100 (AS A LOW-PRESS SYSTEM BLOW-OFF)
  12. INSTALL 16" DUCTILE IRON (CLASS 350) WATER MAIN PER RCSD STANDARDS WITH BACKFLOW PREVENTER PER RCSD STD. DMC. W1140 TRUSHER AND BACKFILL PER RCSD STD. DMC. W1140
  13. JACK AND BORE 30" DIA. (9.00" WALL THICKNESS) STEEL CASING (ASTM A252-C F74-15 K3) FOR URON PACIFIC RAILROAD SPECIFICATIONS. SEE UPPER ENCASUREMENT RECOMMENDATIONS ON SHEET 1 AND LICENSE AGREEMENT (PAGES 13-16). INSTALL 16" CASK ASHA A53 (0.375" THICK) WATER MAIN WITH WELDED JOINTS AND TRANSITION COUPLINGS TO GO FROM PVC TO STEEL AND STEEL TO DUCTILE IRON.
  14. INSTALL 16" (CLASS 350 D1) 45° ELBOW FITTING PER RCSD STANDARDS.
  15. INSTALL 16" (CLASS 350 D1) 11.25° ELBOW FITTING PER RCSD STANDARDS.
  16. INSTALL 16" (CLASS 350 D1) 22.5° ELBOW FITTING PER RCSD STANDARDS.
  17. INSTALL 16"x16"x20" (CLASS 350 DUCTILE IRON) TEE.
  18. CONTRACTOR TO AVOID PLACING PIPE JOINTS IN THIS SPAN.
  19. INSTALL THRUST BLOCK RESTRAINT PER RCSD STD. DMC. W1140.
  20. INSTALL 18" DI. HIGH DEFLECTION COUPLING.
  21. PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.



**48 hours BEFORE excavation (800) 227-2600 CALL Underground Service Alert**

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PAR. NO. 37528 IS IN ACCORDANCE WITH THE DESIGN STANDARDS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE MAINTAINED TO SUPPLY WATER SERVICE TO SAID PARCELS AND THAT THE DESIGNATION DOES NOT GUARANTEE THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ANY SPECIFIC QUANTITIES, PLACES, OR PRESSURES FOR THE PURPOSES OF THE ABOVE PURPOSE.

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:

DATE: \_\_\_\_\_

VOID AFTER ONE YEAR FROM THIS DATE

REVISIONS: \_\_\_\_\_

DATE BY: \_\_\_\_\_

**Thienes Engineering, Inc.**  
 CIVIL ENGINEERING • LAND SURVEYING  
 14349 FORESTVIEW DRIVE, SUITE 100  
 LA BERRA, CALIFORNIA 92653  
 PH: (714) 941-4444 FAX: (714) 941-4444

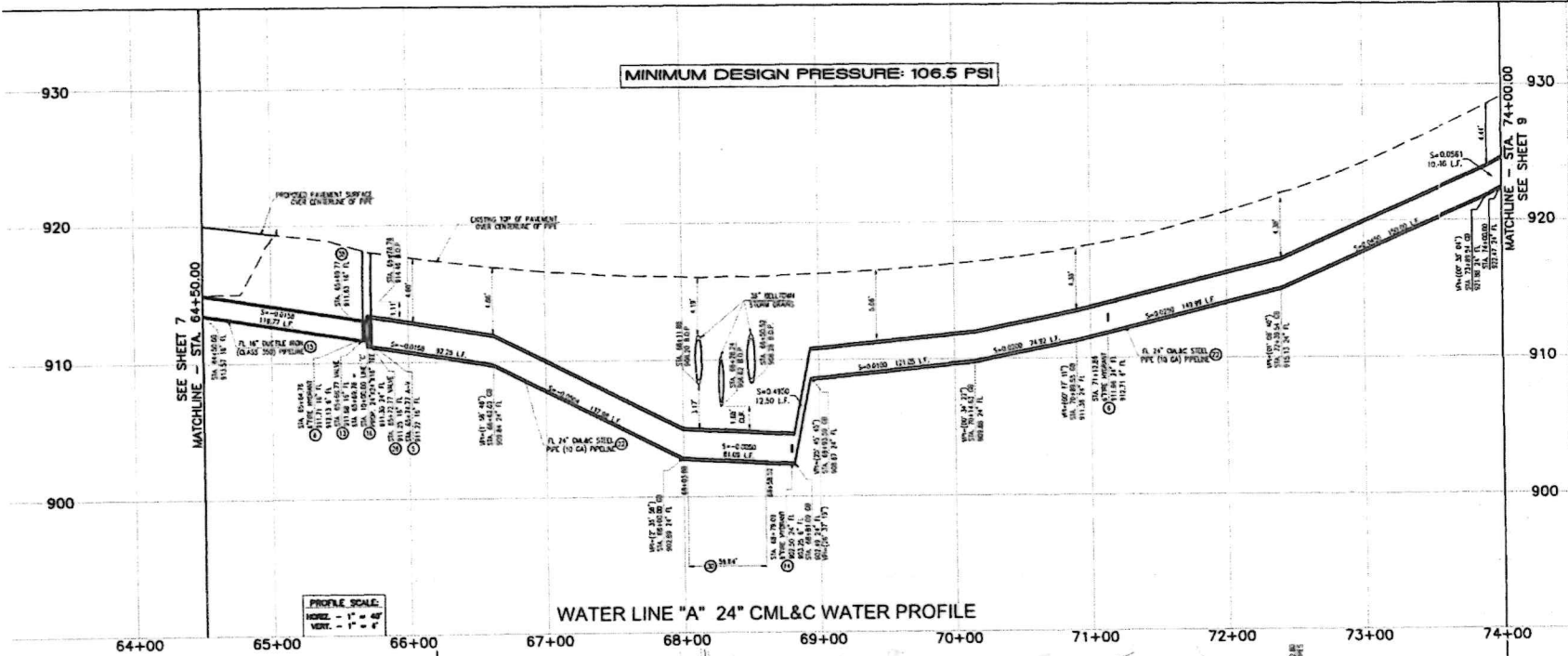
APPROVED BY: \_\_\_\_\_  
 REGISTERED ENGINEER No. 52152 DATE: 1/1/2020

SCALE: 1" = 40'  
 FIELD BOOK: \_\_\_\_\_  
 DESIGN: M.R.  
 DRAWN: D.T.  
 CHECKED: R.S.

**RUBIDOUX COMMUNITY SERVICES DISTRICT**  
 WATER IMPROVEMENT PLAN FOR  
 PARCEL MAP NO. 37528  
**LINE "A" PLAN & PROFILE**  
 STA. 55+00.00 TO STA. 64+50.00

SHEET **7**  
 OF 18 SHEETS  
 R.C.S.D. PLAN NO. \_\_\_\_\_

LAST UPDATE: 1/1/2020  
 1/1/2020-2020/01/15/2020-01/15/2020



MINIMUM DESIGN PRESSURE: 106.5 PSI

WATER LINE "A" 24" CML&C WATER PROFILE

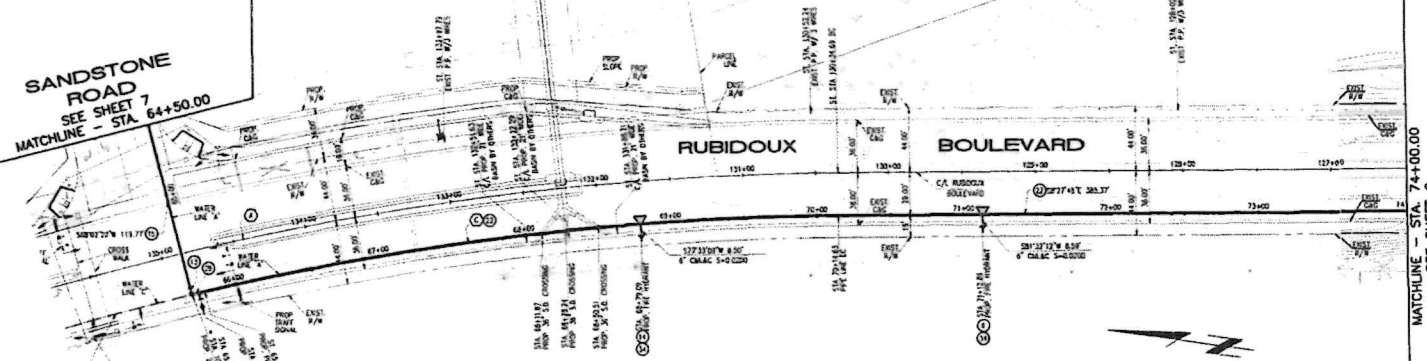
PROFILE SCALE:  
HORIZ. - 1" = 40'  
VERT. - 1" = 4'

SANDSTONE ROAD  
SEE SHEET 7  
MATCHLINE - STA. 64+50.00

SEE SHEET 7  
MATCHLINE - STA. 64+50.00

MATCHLINE - STA. 74+00.00  
SEE SHEET 9

MATCHLINE - STA. 74+00.00  
SEE SHEET 9

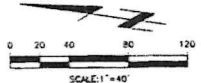


WATER LINE "A" - 24" CML&C WATER PLAN VIEW

**WATER CONSTRUCTION NOTES:**

- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY WARE AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- ① INSTALL 2" AIR VALVE ASSEMBLY PER RCSD STD. DWG. W1070
  - ② INSTALL 6" COMMERCIAL PIPE HYDRANT PER RCSD STD. DWG. W1060
  - ③ INSTALL 16" BUTTERFLY VALVE PER RCSD STD. DWG. W1030
  - ④ INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCSD STD. DWG. W1060 (AS A LOW-POINT SYSTEM BLOW-OFF)
  - ⑤ INSTALL 16" DUCTILE IRON (CLASS 3000) WATER MAIN PER RCSD STANDARDS, WITH BALLBEARINGS FULLY RESTRICTION JOINTS PER RCSD STD. DWG. W1240. TRENCH AND BACKFILL PER RCSD STD. DWG. 1200
  - ⑥ INSTALL 24"x24"x18" GALV. PLATED STEEL TEE PER RCSD STANDARDS, FLAT WELDED RESTRICTION JOINTS PER RCSD STD. DWG. W1240. TRENCH AND BACKFILL PER RCSD STD. DWG. 1200
  - ⑦ INSTALL 24" BUTTERFLY VALVE PER RCSD STD. DWG. W1030
  - ⑧ CONTRACTOR TO AVOID PLACING PIPE JOINTS IN THIS SPAN
  - ⑨ INSTALL THRUST BLOCK RESTRICTION PER RCSD STD. DWG. 1240.
  - ⑩ PROVIDE 16" ISOLATION COUPLING FROM DP TO STEEL (FOR CORROSION PROTECTION)

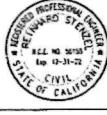
RUBIDOUX BLVD CENTERLINE CURVE TABLE					RUBIDOUX BLVD PIPE CENTERLINE CURVE TABLE				
CURVE #	BELLA	RADIUS	LENGTH	TANGENT	CURVE #	BELLA	RADIUS	LENGTH	TANGENT
A	12773.37'	2000.00'	118.64'	415.24'	B	12755.52'	1971.00'	144.86'	223.38'



48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P.M. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT, AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE ADEQUATE TO SUPPLY WATER SERVICE TO SAID PARCELS MAP NO. 37528 AT ANY SPECIFIC QUANTITIES, FLOWS, OR PRESSURES FOR THE PROPOSED USE AND PURPOSE.  
D. Thienes, Director of Engineering, RUC 46762

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT  
DATE: 3/12/24  
VDD AFTER ONE YEAR FROM THIS DATE



**Thienes Engineering, Inc.**  
CIVIL ENGINEERING & LAND SURVEYING  
14319 FIRESTONE BOULEVARD  
LA MIRADA, CALIFORNIA 92643  
PH: 562-261-4444 FAX: 562-261-4124  
APPROVED BY: *[Signature]*  
REGISTERED ENGINEER No. 52125 DATE: 3/12/24

SCALE	SCALE: 1" = 40'
FIELD BOOK	
DESIGN	M.R.
DRAWN	D.T.
CHECKED	R.S.

RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
LINE "A" PLAN & PROFILE  
STA. 64+50.00 TO STA. 74+00.00

SHEET  
**8**  
OF 18 SHEETS  
R.C.S.D. PLAN 1

MINIMUM DESIGN PRESSURE: 106.5 PSI

WATER LINE "A" 24" CML&C WATER PROFILE

WATER LINE "A" - 24" CML&C WATER PLAN VIEW

**BEDROCK NOTE:**

IF BEDROCK IS ENCOUNTERED, SERVICE SHALL BE REPAIRED AT LEAST 1" BELOW PIPE GRADE AND REPAIRED WITH MOST CLEAN SAND, SAND AND GRAVEL, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE DISTRICT, TAMPED IN PLACE AT 90 PERCENT RELATIVE COMPACTION THROUGH. TOUCH BOTTOM SHALL BE CALLED OUT AND RETRIEVED TO PROVIDE FOR LINE IMPROVED BEDDING MATERIAL PER TECHNICAL SPECIFICATION SECTION 70-5, PART C. 1. OR EQUIVALENTS WITHIN THE DISTRICT'S PROFILE, WHICHEVER IS MOST STRINGENT.

**WATER CONSTRUCTION NOTES:**

NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY WERTS AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.

- 1 REMOVE EX. BLIND FLANGE AND CONNECT NEW 24" CML&C STEEL WATER
- 2 INSTALL 2" AIR VALVE ASSEMBLY PER RESD STD. DWG. W1010
- 3 INSTALL 6" COMMERCIAL FIRE HYDRANT PER RESD STD. DWG. W1060
- 4 INSTALL 24" CML&C (10 GA.) STEEL PIPE WATER MAIN PER RESD STANDARD (WELDED RESTRAINED JOINTS PER RESD STD. DWG. W1240 TRENCH AND PROTECTIVE COV PER RESD STD. DWG. W200)
- 5 INSTALL 24" CML&C STEEL 45° ELBOW FITTING PER RESD STANDARDS.
- 6 INSTALL 24" BUTTERFLY VALVE PER RESD STD. DWG. W1030
- 7 INSTALL THROST BLOCK RESTRAINT PER RESD STD. DWG. G40

**PROCEDURE FOR JOINING**

- 1 CONTRACTOR TO DETERMINE VOLUME OF DEWATERING REQUIRED FOR EXISTING PIPELINE AND PREPARE AND SUBMIT PLAN FOR DEPTH OF CONSIDERING WASTE TO DISTRICT PRIOR TO SCHEDULING ANY CONNECTION WORK.
- 2 CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING TEE FROM DISTRICT PLAN 1116B, SERVING WATER TO THE SOUTH FROM THE RESERVOIR. CONTRACTOR MUST NOTIFY RESD 4 HOURS BEFORE WORK TO ANY CONSTRUCTION ACTIVITY AND OBTAIN BOTH PERMIT AND INSPECTION FROM RESD. PRIOR TO ANY WORK.
- 3 CONTRACTOR SHALL INSPECT EXISTING PIPELINE FOR DAMAGE AND REPORT FINDINGS TO ENGINEER AND RESD.
- 4 ANY ANTICIPATED SYSTEM DOWNTIME SHALL BE COORDINATED WITH RESD AND AFFECTED CUSTOMERS TO RESD'S SATISFACTION AND WITH THEIR GUIDANCE AND DIRECTION.
- 5 CONTRACTOR SHALL MAKE SURE EXISTING VALVES ADJACENT TO EXISTING TEE ARE CLOSED BEFORE REMOVING BLIND FLANGE AT THE JOIN LOCATION AND CLEANING AND PREPARING JOIN LOCATION PER RESD STANDARDS.
- 6 ONCE THE RESD INSPECTOR IS SATISFIED WITH THE CONDITION OF THE EXISTING PIPELINE AND HAS DETERMINED THAT IT MEETS WITH RESD STANDARDS FOR JOINING, THE CONTRACTOR MAY PROCEED UNDER RESD INSPECTION DIRECTION.

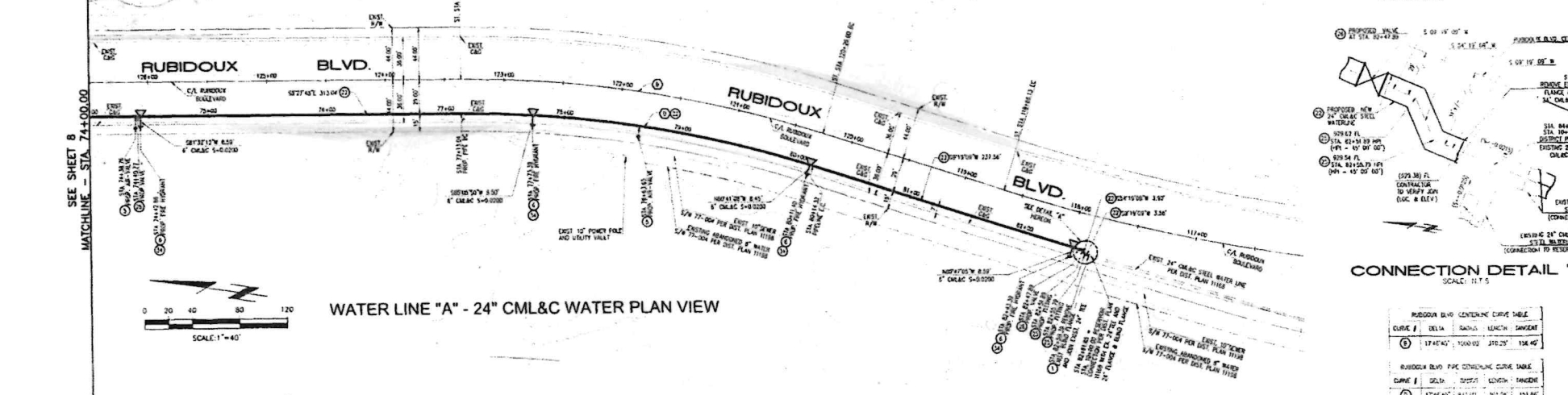
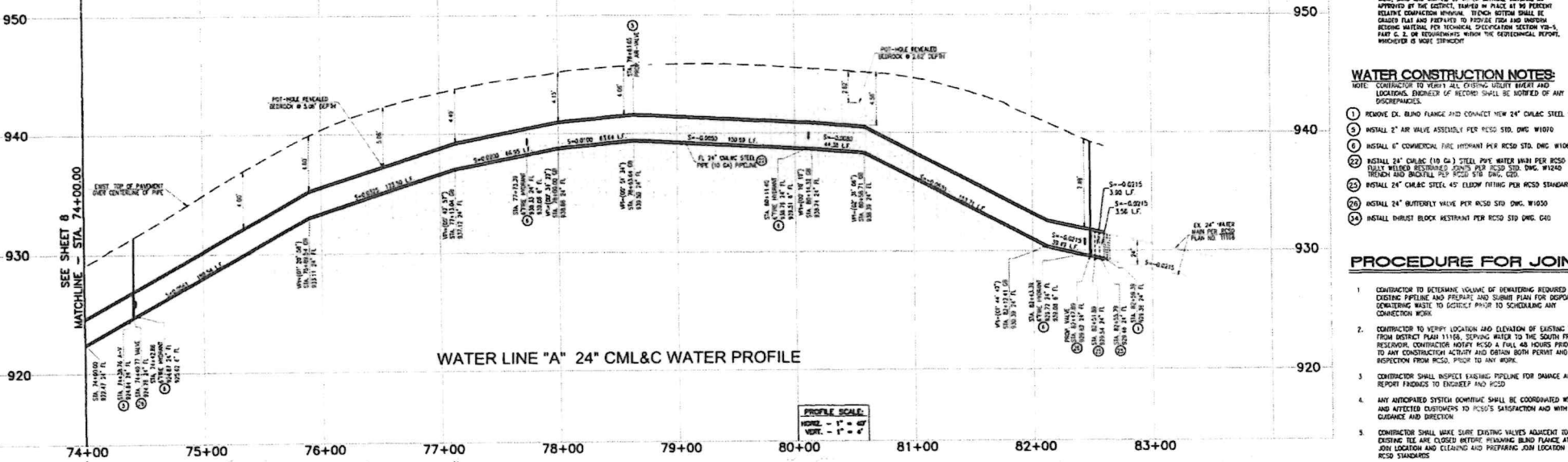
**CONNECTION DETAIL "A"**

SCALE: N.T.S.

RUBIDOUX BLVD CENTERLINE CURVE TABLE			
CURVE #	DELA	RADIUS	LENGTH
1	174°40'	15000.00'	310.25'
2	174°40'	15000.00'	310.40'

RUBIDOUX BLVD P&P CENTERLINE CURVE TABLE			
CURVE #	DELA	RADIUS	LENGTH
1	174°40'	15000.00'	310.25'
2	174°40'	15000.00'	310.40'



48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

OWNER: THE TOWN OF RIVERSIDE, CALIFORNIA  
PROJECT: RUBIDOUX BLVD WATER MAIN REPLACEMENT  
DATE: 12/15/22

APPROVED BY THE SERVICES DISTRICT: [Signature]  
DATE: 12/15/22

REGISTERED PROFESSIONAL ENGINEER  
STATE OF CALIFORNIA  
No. 26125

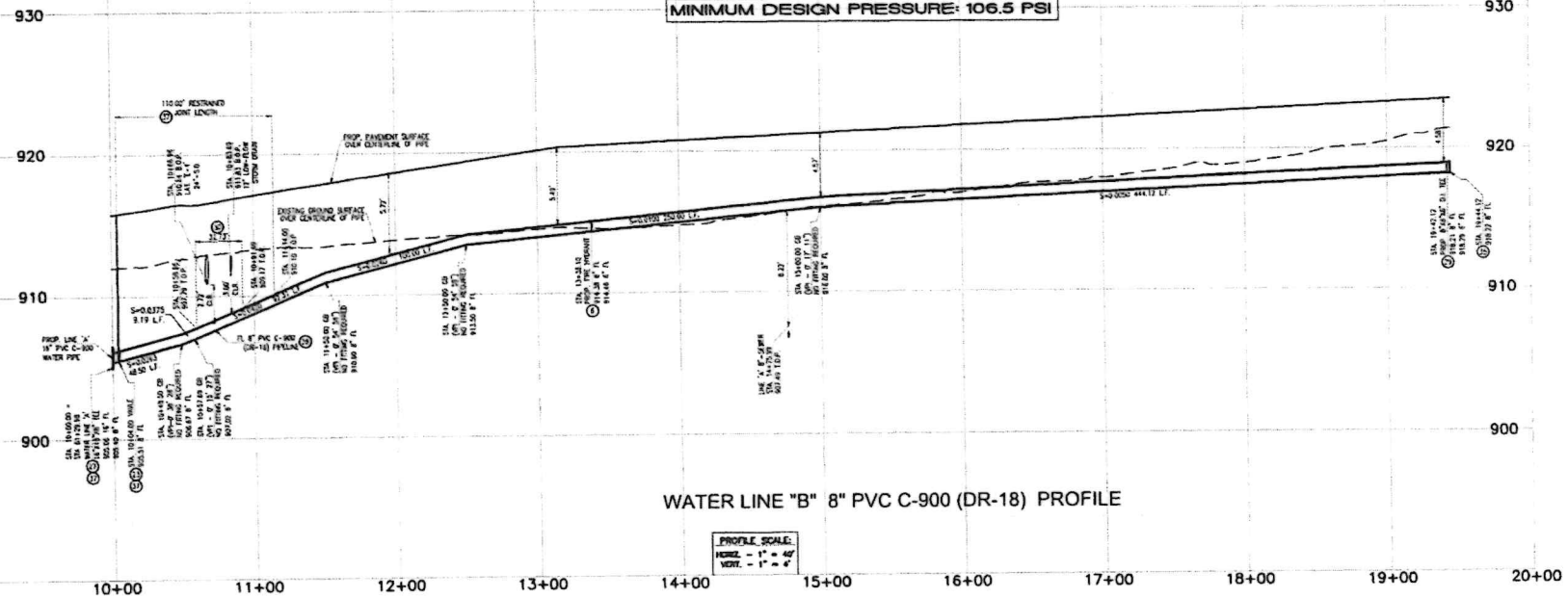
SCALE: 1" = 40'

RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 3752B  
LINE "A" PLAN & PROFILE  
STA. 74+00.00 TO STA. 82+59.39

SHEET  
**9**  
OF 18 SHEETS  
R.C.S.D. PLAN N

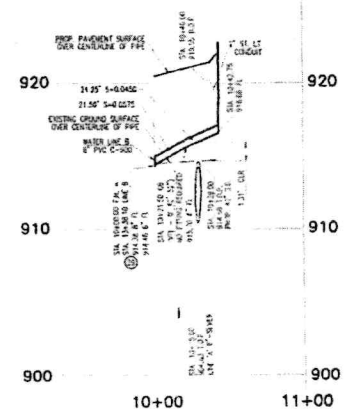


MINIMUM DESIGN PRESSURE: 106.5 PSI

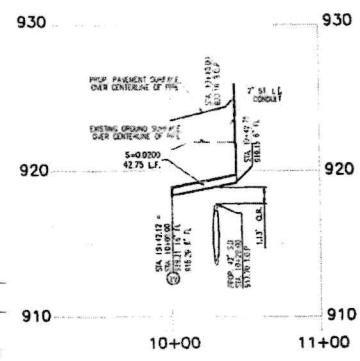


WATER LINE "B" 8" PVC C-900 (DR-18) PROFILE

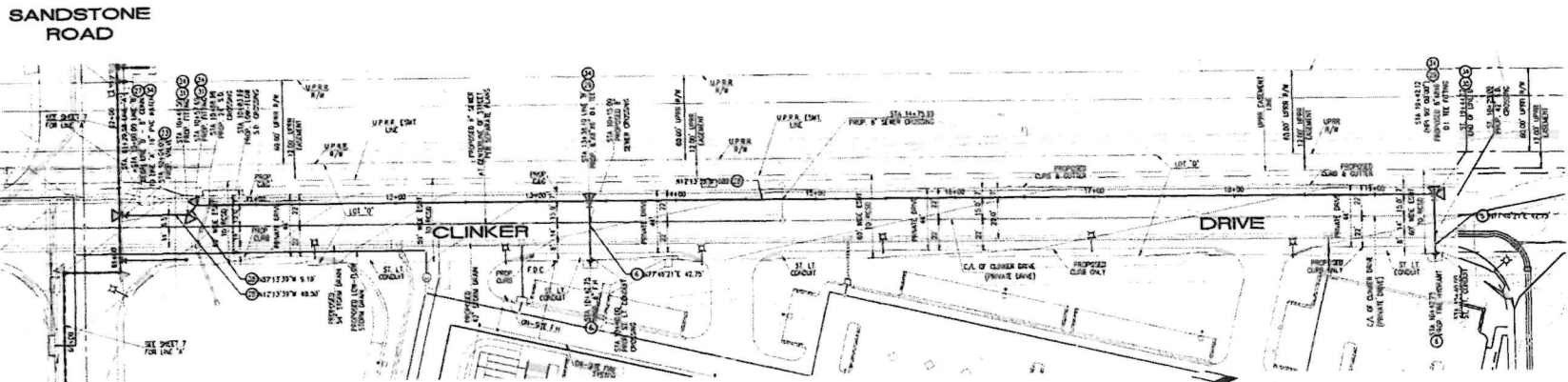
PROFILE SCALE:  
HORIZ. - 1" = 40'  
VERT. - 1" = 4'



FIRE HYDRANT PROFILE  
STA. 13+38.10 LINE B



FIRE HYDRANT PROFILE  
STA. 19+42.12 LINE B



WATER LINE "B" - 8" PVC C-900 (DR-18) PLAN VIEW

SCALE: 1" = 40'

**WATER CONSTRUCTION NOTES**

- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY MARKS AND LOCATIONS. ENGINEER OF RECORD SHALL BE ADVISED OF ANY DISCREPANCIES.
1. INSTALL 6" COMMERCIAL FIRE RISER PER PCSO STD. DWG. W100.
  2. INSTALL 8" GATE VALVE PER PER PCSO STD. DWG. W100.
  3. INSTALL 18"x18"x8" (CLASS 350 DUCTILE IRON) TEE.
  4. INSTALL 8" PVC C-900 (DR-18) WATER MAIN PER PCSO STANDARDS, WITH THRUST BLOCK RESTRAINT PER PCSO STD. DWG. C40. TRENCH AND BACKFILL PER PCSO STD. DWG. C20.
  5. INSTALL 8"x8"x8" (CLASS 350 DUCTILE IRON) TEE.
  6. CONTRACTOR TO AVOID PLACING PIPE JOINTS IN THIS SPAN.
  7. INSTALL 8"x8" (CLASS 350 DUCTILE IRON) 45° ELBOW.
  8. INSTALL THRUST BLOCK RESTRAINT PER PCSO STD. DWG. C40.
  9. INSTALL 6" DI. BOND FLANGE.
  10. PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.

48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR THE JOBS IS IN ACCORDANCE WITH THE WATER SYSTEM WATER PLANS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE RELIABLE TO SUPPLY WATER SERVICE TO THE PARCELS OF SAID PARCELS AND THE OPERATOR DOES NOT GUARANTEE THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ANY SPECIFIC QUANTITIES, TIMES, OR PRESSURES. THE USER ASSUMES ALL RISK AND LIABILITY FOR ANY DAMAGE TO PERSONS OR PROPERTY CAUSED BY ANY FAILURE OF THE WATER SYSTEM.

DATE: 03/27/2024  
DIRECTOR OF ENGINEERING: [Signature]  
RUBIDOUX COMMUNITY SERVICES DISTRICT  
14150 FIRESTONE BOULEVARD  
LA BARRA, CALIFORNIA 92506  
PH: 951-261-1111  
WWW.RUBIDOUXCOMMUNITYSERVICESDISTRICT.COM

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:

DATE: 03/27/2024  
DIRECTOR OF ENGINEERING: [Signature]  
RUBIDOUX COMMUNITY SERVICES DISTRICT  
14150 FIRESTONE BOULEVARD  
LA BARRA, CALIFORNIA 92506  
PH: 951-261-1111  
WWW.RUBIDOUXCOMMUNITYSERVICESDISTRICT.COM

REGISTERED PROFESSIONAL ENGINEER  
STATE OF CALIFORNIA  
[Signature]

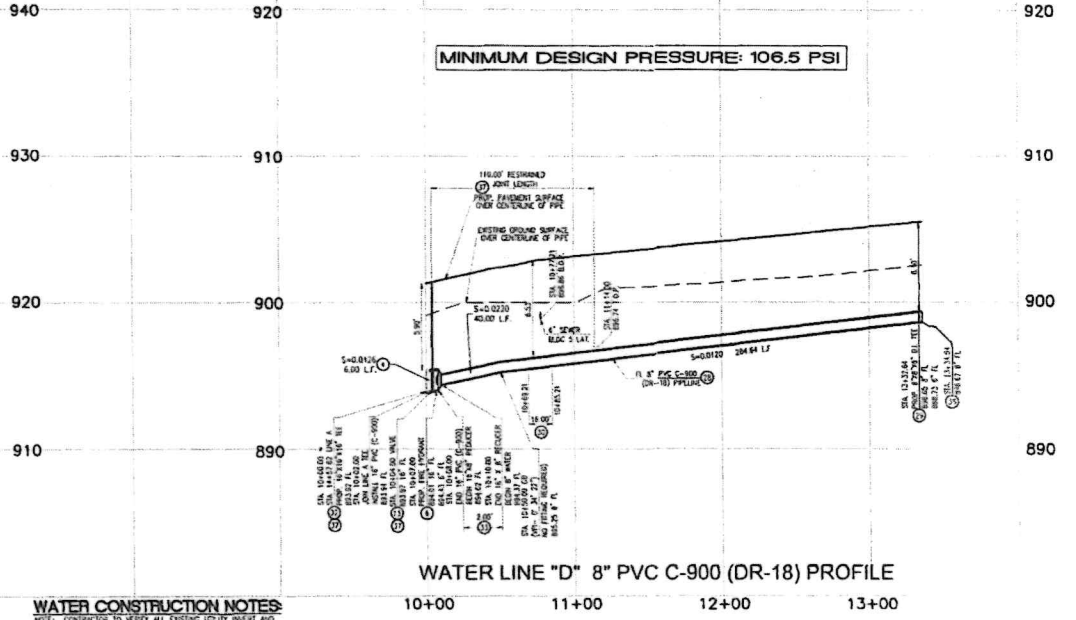
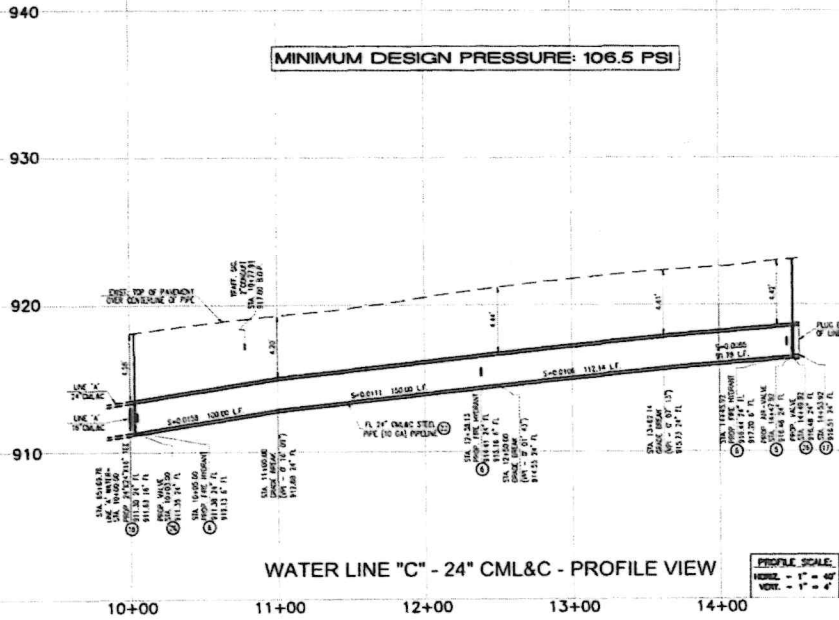
**Thienes Engineering, Inc.**  
CIVIL ENGINEERING & LAND SURVEYING  
14150 FIRESTONE BOULEVARD  
LA BARRA, CALIFORNIA 92506  
PH: 951-261-1111  
WWW.THIEENGS.COM

APPROVED BY: [Signature]  
REGISTERED ENGINEER No. 55125 DATE: 03/27/2024

SCALE: 1" = 40'  
FIELD BOOK  
DESIGN: M.R.  
DRAWN: D.T.  
CHECKED: R.S.

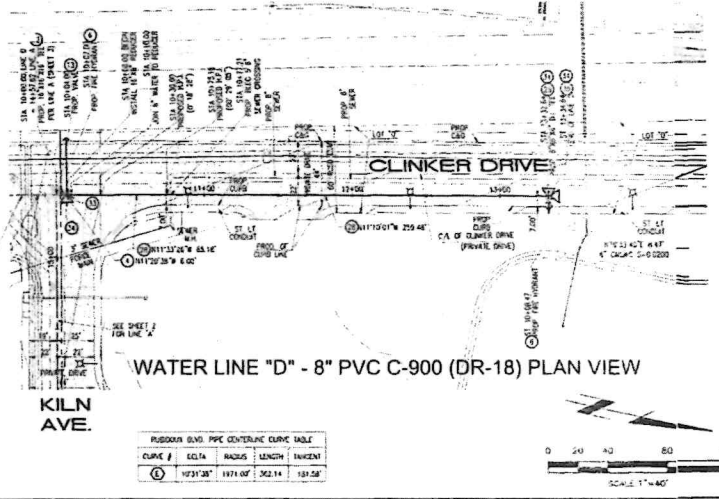
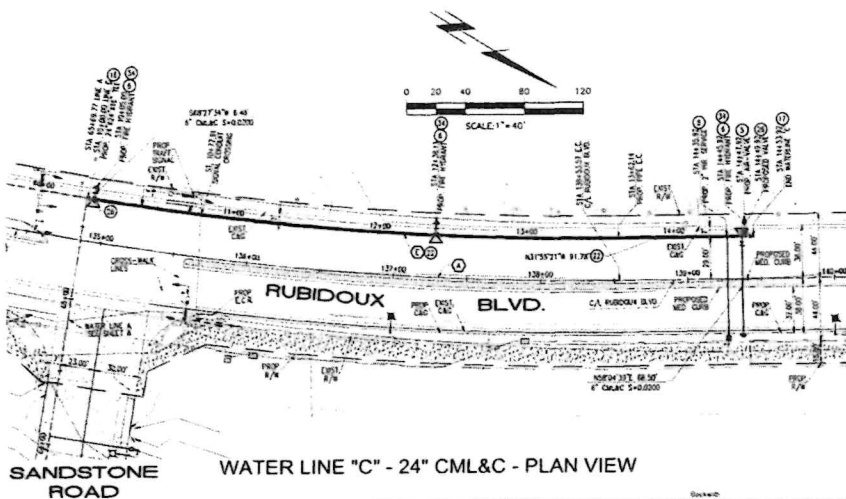
**RUBIDOUX COMMUNITY SERVICES DISTRICT**  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
**LINE "B" PLAN & PROFILE**  
STA. 10+00.00 TO STA. 19+84.87

SHEET  
**10**  
OF 18 SHEETS  
R.C.S.D. PLAN 1



**WATER CONSTRUCTION NOTES**

- CONTRACTOR TO VERIFY ALL EXISTING UTILITY MOUNT AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- INSTALL 14" PVC C-900 (DR-18) WATER MAIN PER RCD STD STANDARDS WITH THRUST BLOCK RESTRAINT PER RCD STD ENG. GAS TRENCH AND BACKFILL PER RCD STD ENG. CDS
- INSTALL 2" AIR VALVE ASSEMBLY PER RCD STD ENG. W1070
- INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCD STD ENG. W1050
- INSTALL 2" BRIGADIER WATER SERVICE, METER AND METER BOX (COMPLETE) PER RCD STD. ENG. W1110 & 2" BACKFLOW PER RCD STD. ENG. W1130
- INSTALL 1/2" BUTTERFLY VALVE PER RCD STD. ENG. W1030
- INSTALL 24"x24"x1/2" CML&C FLANGED STEEL TEE PER RCD STANDARDS, TRENCH AND BACKFILL PER RCD STD. ENG. CDS
- INSTALL CML&C 24" BLIND FLANGE AND THRUST BLOCK PER RCD STD
- INSTALL 24" CML&C (13 GA.) STEEL PIPE WATER MAIN PER RCD STANDARDS, FULLY WELDED RESTRAINT JOINTS PER RCD STD. ENG. W1240, TRENCH AND BACKFILL PER RCD STD. ENG. CDS
- INSTALL 24" BUTTERFLY VALVE PER RCD STD. ENG. W1030
- INSTALL 8" PVC C-900 (DR-18) WATER MAIN PER RCD STANDARDS WITH THRUST BLOCK RESTRAINT PER RCD STD ENG. GAS TRENCH AND BACKFILL PER RCD STD. ENG. CDS
- INSTALL 8"x8"x1" (CLASS 350 DUCTILE IRON) TEE
- CONTRACTOR TO AVOID PLACING PIPE JOINTS IN THIS SPAN
- INSTALL 18"x18"x1/2" (CLASS 350 DUCTILE IRON) TEE.
- INSTALL 16"x16"x1/2" (CLASS 350 DUCTILE IRON) REDUCER.
- INSTALL THRUST BLOCK RESTRAINT PER RCD STD. ENG. C42
- INSTALL 6" O.D. BLIND FLANGE
- PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14



RUBIDOUX BLVD. CENTERLINE CURVE TABLE

CURVE #	DELTA	RADIUS	LENGTH	TANGENT
1	129°31'	2000.00'	819.84'	415.25'

RUBIDOUX BLVD. PPC CENTERLINE CURVE TABLE

CURVE #	DELTA	RADIUS	LENGTH	TANGENT
1	107°31'	1971.00'	362.14'	193.58'

**48 hours BEFORE excavation**  
**(800) 227-2600**  
 CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P.A. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLANS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, SPACING AND DISTRIBUTION SYSTEM WILL BE NECESSARY TO SUPPLY WATER SERVICE TO SAID PARCELS OF SAID DISTRICT AND THIS CERTIFICATION DOES NOT GUARANTEE THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ANY SPECIFIC QUANTITIES, FLOWS, OR PRESSURES.

**APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:**  
 Director of Engineering, P.E. #4718

**APPROVED BY THE REGISTERED PROFESSIONAL ENGINEER:**  
 T.E. Engineering, Inc.  
 14349 FIRESTONE BOULEVARD  
 LA BREA, CALIFORNIA 90009  
 P.E. #1231-21

**DATE:** 12/12/21  
**PROJECT:** RCE 48728-110

VOID AFTER ONE YEAR FROM THIS DATE

SYN REVISIONS DATE BY



**T.E. Engineering, Inc.**  
 CIVIL ENGINEERING • LAND SURVEYING  
 14349 FIRESTONE BOULEVARD  
 LA BREA, CALIFORNIA 90009  
 P.E. #1231-21

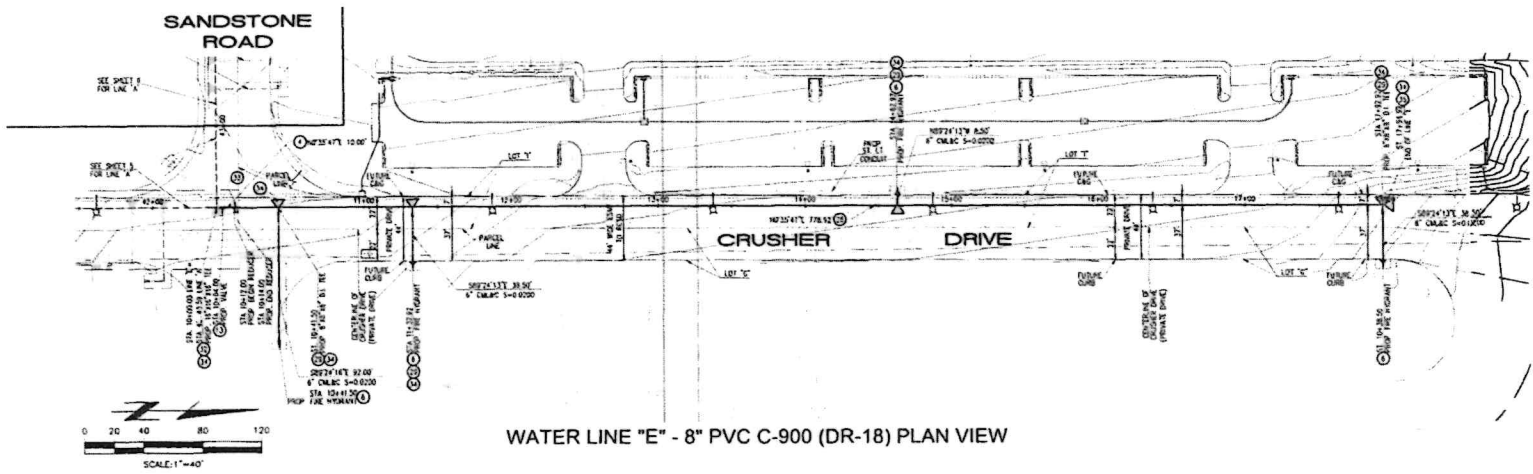
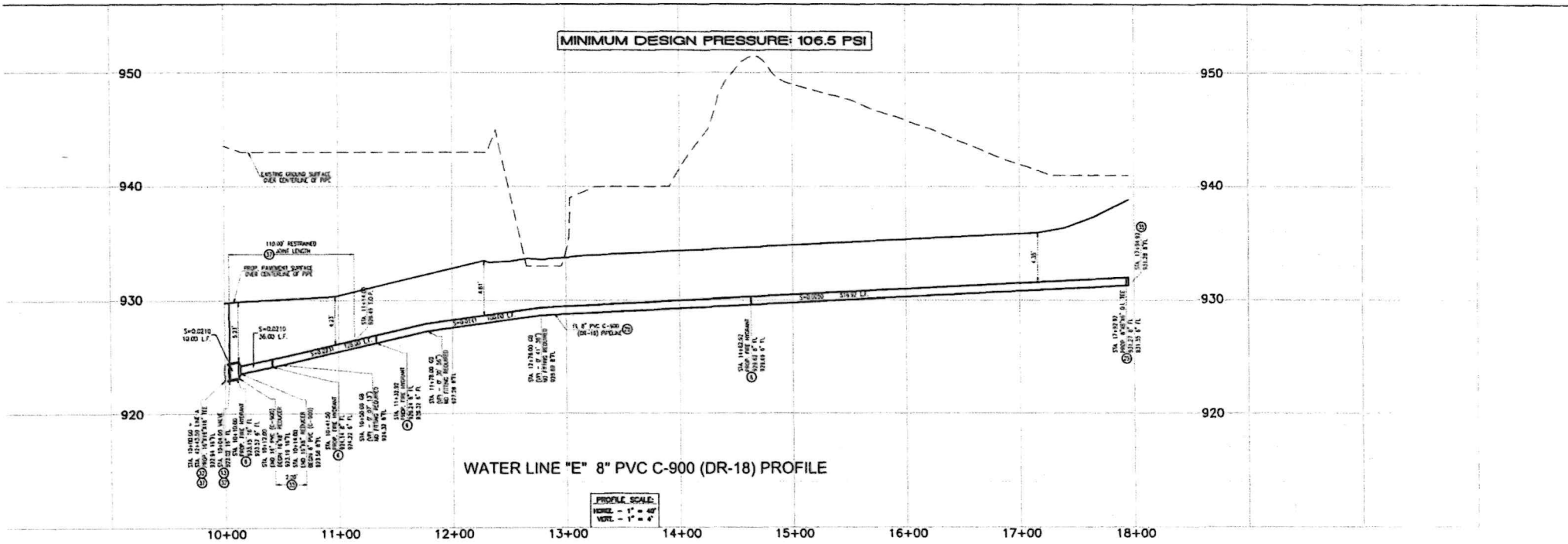
**APPROVED BY:** [Signature]  
 REGISTERED ENGINEER No. 52123 DATE: 12/12/21

SCALE: SCALE: 1" = 40'  
 FIELD BOOK  
 DESIGN: M.R.  
 DRAWN: D.T.  
 CHECKED: R.S.

**RUBIDOUX COMMUNITY SERVICES DISTRICT**

**WATER IMPROVEMENT PLAN FOR PARCEL MAP NO. 37528**  
 LINE "C" PLAN & PROFILE  
 STA. 10+00.00 TO STA. 14+53.92  
 LINE "D" PLAN & PROFILE  
 STA. 10+00.00 TO STA. 13+41.11

SHEET **11**  
 OF 18 SHEETS  
 R.C.S.D. PLAN 1



- WATER CONSTRUCTION NOTES:**  
 NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY DEPTH AND LOCATION. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- 1) INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER PCSO STANDARDS, WITH THRUST BLOCK RESTRAINT PER PCSO STD. DWG. 040, TRENCH AND BACKFILL PER PCSO STD. DWG. 020
  - 2) INSTALL 6" COMMERCIAL FIRE MHOANT PER PCSO STD. DWG. W1000
  - 3) INSTALL 16" BUTTERFLY VALVE PER PCSO STD. DWG. W1000
  - 4) INSTALL 6" PVC C-900 (DR-18) WATER MAIN PER PCSO STANDARDS, WITH THRUST BLOCK RESTRAINT PER PCSO STD. DWG. 040, TRENCH AND BACKFILL PER PCSO STD. DWG. 020
  - 5) INSTALL 6" 87894" (CLASS 350 DUCTILE IRON) TEE
  - 6) INSTALL 16"x16"x16" (CLASS 350 DUCTILE IRON) TEE
  - 7) INSTALL 16"x16" (CLASS 350 DUCTILE IRON) PEDESTAL
  - 8) INSTALL THRUST BLOCK RESTRAINT PER PCSO STD. DWG. 040.
  - 9) INSTALL 6" D.I. BIRD FLANGE.
  - 10) PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14

 48 hours BEFORE excavation  
 (800) 227-2600  
 CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PARCEL NO. 37528 IS IN ACCORDANCE WITH THE WATER SYSTEM WATER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT, AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE INSTALLED TO SERVE THIS SPACE TO THE PARCELS OF SAND PARCELS AND THAT DECONTAMINATION DOES NOT GUARANTEE THAT IT WILL SUPPLY WATER TO SAND PARCELS AT ANY SPECIFIC QUANTITIES, PRESSURES OR PRESSURES FOR THE PURPOSES OF ANY OTHER PURPOSE.

Director of Engineering, REC 48780

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION.

DATE: 3/27/20  
 DIRECTOR OF ENGINEERING

VOID AFTER ONE YEAR FROM THIS DATE

**THEIENES ENGINEERING, INC.**  
 CIVIL ENGINEERING • LAND SURVEYING  
 14349 FIRESTONE BOULEVARD  
 LA MIRA, CALIFORNIA 95039  
 PH: (925) 444-1100 FAX: (925) 444-1101

REGISTERED PROFESSIONAL ENGINEER  
 STATE OF CALIFORNIA  
 LICENSE NO. 52119  
 EXP. 12-31-25  
 CIVIL

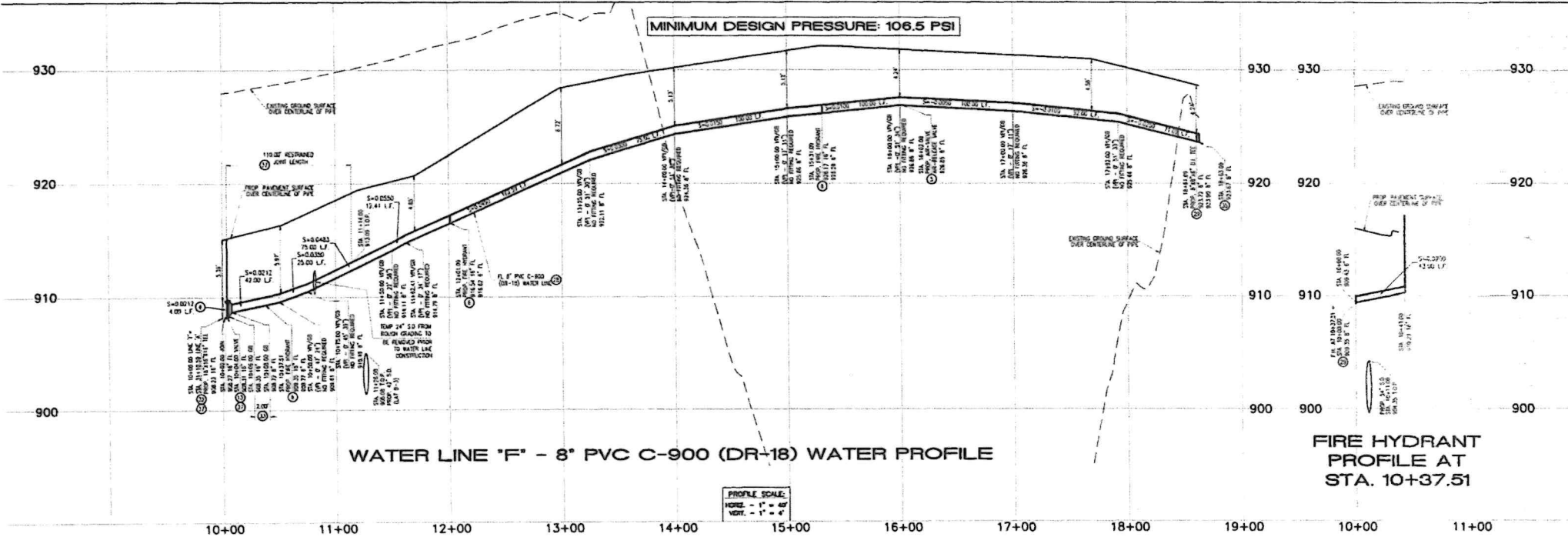
APPROVED BY: *[Signature]*  
 REGISTERED ENGINEER No. 52119 DATE: 3/27/20

SCALE: SCALE: 1" = 40'  
 FIELD BOOK  
 DESIGN: M.R.  
 DRAWN: D.T.  
 CHECKED: R.S.

RUBIDOUX COMMUNITY SERVICES DISTRICT

WATER IMPROVEMENT PLAN FOR  
 PARCEL MAP NO. 37528  
 LINE "E" PLAN & PROFILE  
 STA. 10+00.00 TO STA. 18+31.92

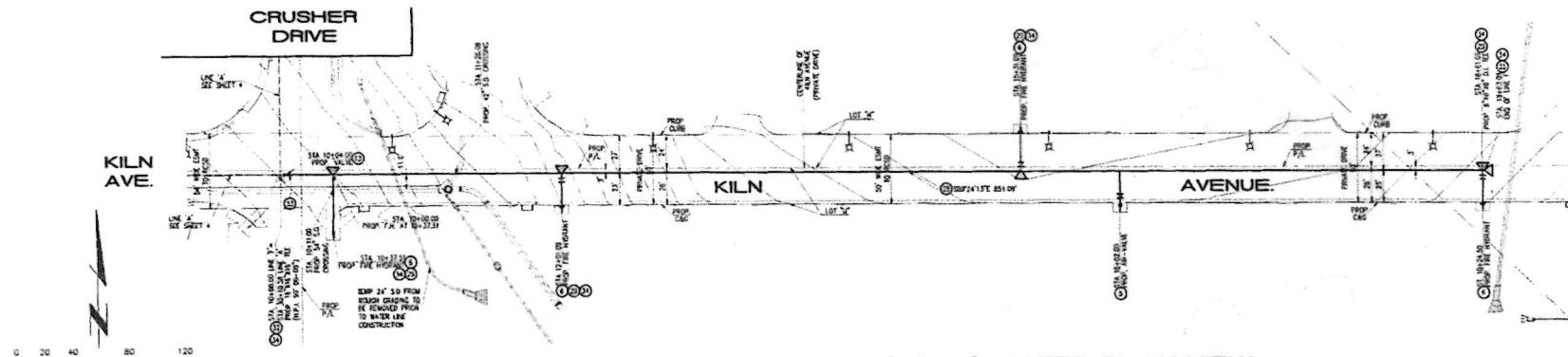
SHEET  
**12**  
 OF 18 SHEETS  
 R.C.S.D. PLAN N



WATER LINE "F" - 8" PVC C-900 (DR-18) WATER PROFILE

FIRE HYDRANT PROFILE AT STA. 10+37.51

PROFILE SCALE:  
HORIZ. - 1" = 40'  
VERT. - 1" = 4'



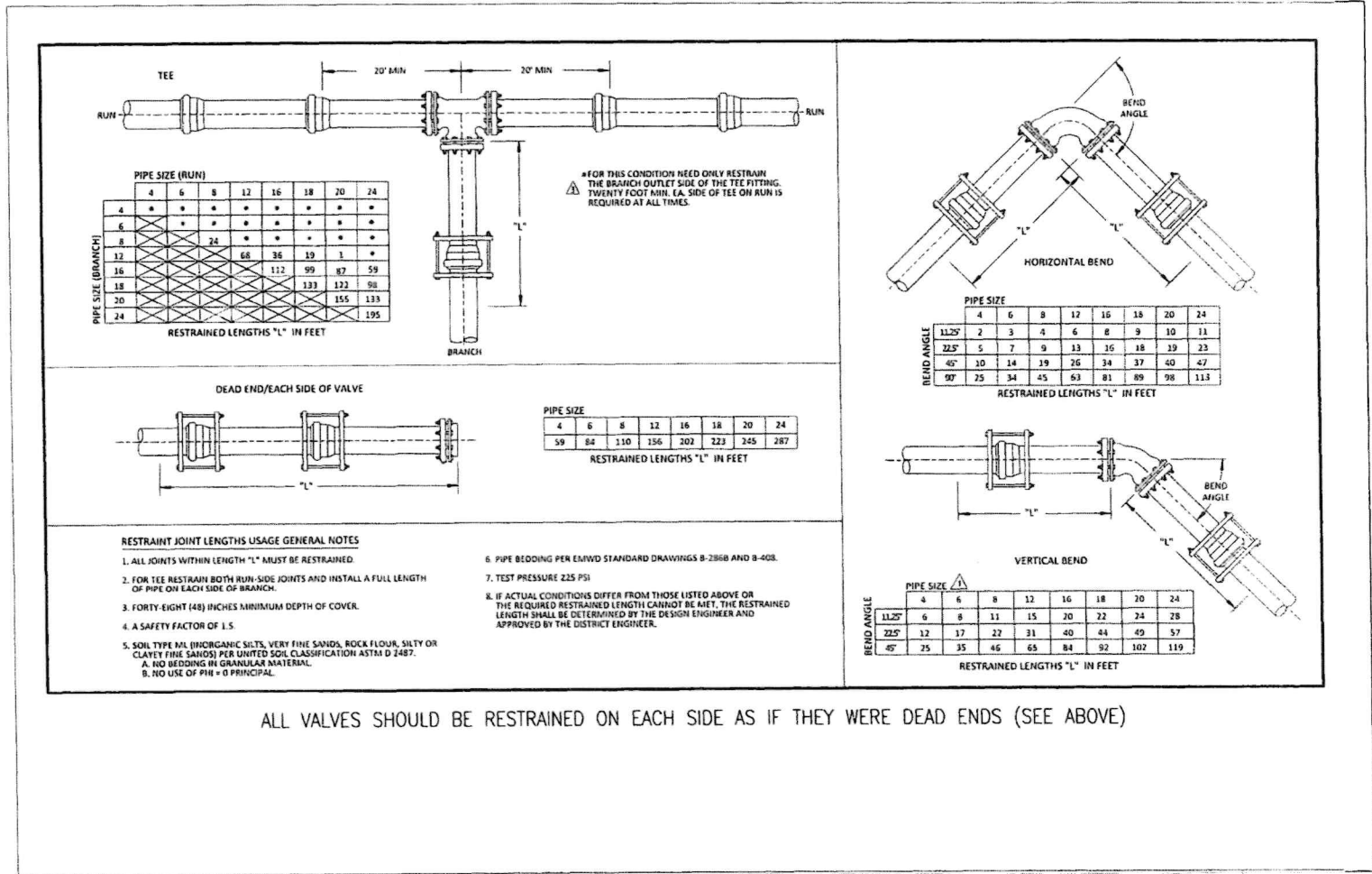
WATER LINE "F" - 8" PVC C-900 (DR-18) WATER PLAN VIEW

**WATER CONSTRUCTION NOTES:**

- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY DEPT'S AND LOCATIONS. EXCESSIVE DEPT'S SHOULD BE NOTICED OF ANY DISCREPANCIES.
1. INSTALL 18" PVC C-900 (DR-18) WATER MAIN PER M202 STANDARDS, WITH THREE BLOCK RESTRAINTS PER M202 STD. DWG. C40 TRENCH AND BACKFILL PER M202 STD. DWG. C40.
  2. INSTALL 2" AIR VALVE ASSEMBLY PER M202 STD. DWG. W1010.
  3. INSTALL 6" COMMERCIAL FIRE HYDRANT PER M202 STD. DWG. W1000.
  4. INSTALL 18" BUTTERFLY VALVE PER M202 STD. DWG. W1030.
  5. INSTALL 8" PVC C-900 (DR-18) WATER MAIN PER M202 STANDARDS, WITH THREE BLOCK RESTRAINTS PER M202 STD. DWG. C40 TRENCH AND BACKFILL PER M202 STD. DWG. C40.
  6. INSTALL 8"x8"x8" (CLASS 300) SCHEDULE 40S TEES.
  7. INSTALL 18"x18"x18" (CLASS 300) DUCTILE IRON TEE.
  8. INSTALL 18"x8" (CLASS 300) DUCTILE IRON REDUCER.
  9. INSTALL THROTTLE BLOCK RESTRAINT PER M202 STD. DWG. C40.
  10. INSTALL 8" O.D. BLIND FLANGE.
  11. PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.

	<p>I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PARCEL NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE NECESSARY TO SUPPLY WATER SERVICE TO SAID PARCELS OF SAID DISTRICT AND THIS CERTIFICATION DOES NOT GUARANTEE THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ANY SPECIFIC QUANTITIES, PRESSURE, OR PRESSURES.</p> <p>DATE: 11/27/22 DIRECTOR OF ENGINEERING, RCE 48278</p>	<p>APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:</p> <p>DATE: 11/27/22 DIRECTOR OF ENGINEERING, RCE 48278</p>	<p>REGISTERED PROFESSIONAL ENGINEER ALL NO. 26153 Exp. 12-31-27 CIVIL STATE OF CALIFORNIA</p>	<p><b>Thienes Engineering, Inc.</b> CIVIL ENGINEERING - LAND SURVEYING 14349 FIRESTONE BOULEVARD LA BREA, CALIFORNIA 90038 PH: (310) 271-4111 FAX: (310) 271-4112</p> <p>APPROVED BY: [Signature] REGISTERED ENGINEER No. 56153 DATE: 11/27/22</p>	<p>SCALE: 1" = 40' FIELD BOOK DESIGN: M.R. DRAWN: D.T. CHECKED: R.S.</p>	<p>RUBIDOUX COMMUNITY SERVICES DISTRICT WATER IMPROVEMENT PLAN FOR PARCEL MAP NO. 37528 LINE "F" PLAN &amp; PROFILE STA. 10+00.00 TO STA. 18+85.59</p>	<p>SHEET <b>13</b> OF 18 SHEETS R.C.S.D. PLAN N</p>
--	--	--	---	--	--	--	---

11/27/22 11:28 AM  
11/27/22 11:28 AM



ALL VALVES SHOULD BE RESTRAINED ON EACH SIDE AS IF THEY WERE DEAD ENDS (SEE ABOVE)

48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT, AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE RELIABLE TO SUPPLY WATER SERVICE TO EACH PARCEL OF SAID PARCELS AND THE CERTIFICATION DOES NOT GUARANTEE THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ANY SPECIFIC QUANTITIES, FLOWS, OR PRESSURES. SEE SPECIFICATIONS AND JUDICIAL ORDER.

DIRECTOR OF ENGINEERING, RCE 48762

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT

DATE: 3/11/22

DIRECTOR OF ENGINEERING RCE 48762

VOID AFTER ONE YEAR FROM THIS DATE

REGISTERED PROFESSIONAL ENGINEER  
RCE NO. 36153  
EXPIRES 12-31-25  
STATE OF CALIFORNIA

**Thienes Engineering, Inc.**  
CIVIL ENGINEERING - LAND SURVEYING  
14249 FORESTHURST BOULEVARD  
LA BREA, CALIFORNIA 90638  
PH: (562) 451-1111 FAX: (562) 451-1114

APPROVED BY: [Signature]  
REGISTERED ENGINEER No. 55155 DATE: 3/11/22

SCALE: 1" = 40'  
FIELD BOOK  
DESIGN: M.R.  
DRAWN: D.T.  
CHECKED: R.S.

RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
EMWD STD. B-663  
STANDARDS FOR RESTRAINT CONNECTIONS

SHEET 14 OF 10 SHEETS  
R.C.S.D. PLAN N





Recording Requested by:

RUBIDOUX COMMUNITY SERVICES  
DISTRICT

When recorded, please return this deed to:

RUBIDOUX COMMUNITY SERVICES  
DISTRICT  
P.O. BOX 3098  
RIVERSIDE, CA 92519

---

For recorder's use only

Exempt from recording fee pursuant to Government Code Section 6103

**RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER AND/OR SEWER SYSTEM GRANT DEED**

FOR VALUABLE CONSIDERATION paid and received, AGUA MANSA COMMERCE PHASE I, LLC, a Delaware limited liability company (the "Developer") hereby grant(s) to RUBIDOUX COMMUNITY SERVICES DISTRICT (the "District"), and the District hereby accepts, all right, title and interest in the water system improvements for the entire water distribution and/or sewer collection system facilities for the development referenced with records of the County of Riverside, State of California as "Agua Mansa Commerce Park" and agrees to indemnify the District for any and all claims, liens, causes of action or any type of liability arising from or in any way related to the construction of said facilities by the Developer.

Said water and/or sewer system improvements are shown in detail on the construction drawings (1) Parcel Map No. 37528, Filed April 27, 2022, in Book 254 of Parcel Maps, at Pages 7-25, inclusive, in the Office of the County Recorder of Riverside; Sewer Improvement Plan, Rubidoux Community Services District, Sheets 1-8; and (2) Parcel Map No. 37528, Filed April 27, 2022, in Book 254 of Parcel Maps, at Pages 7-25, inclusive, in the Office of the County Recorder of Riverside; Water Improvement Plan Phase II, Rubidoux Community Services District, Sheets 1-16 for said development. This Grant Deed is effective upon the Developer providing the Unconditional Lien Waiver and Release and upon filing of the Notice of Completion by the District for the aforementioned water and/or sewer system improvements.

GRANTORS for his heirs, executors and administrators, covenants and agrees to warrant and defend this sale of property, goods and chattels, against all and every persons claiming the same.



Executed on March 20, 2023.

**DEVELOPER:**

**AGUA MANSA COMMERCE PHASE I, LLC,**  
a Delaware limited liability company

By: Agua Mansa Commerce Holdings, LLC,  
a Delaware limited liability company,  
its sole member

By: PR II Agua Mansa Commerce, LLC,  
a Delaware limited liability company,  
its Managing Member

By: PRISA II LHC, LLC,  
a Delaware limited liability company,  
its sole member

By: *[Signature]*  
Name: Pedro Sanchez  
Its: Vice President

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF California )  
 ) ss.  
COUNTY OF San Francisco )

On March 20, 2023 before me, Cynthia Katigbak, a Notary Public, personally appeared Pedro Sanchez who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

*[Signature]*  
Cynthia Katigbak, Notary Public



**CERTIFICATE OF ACCEPTANCE OF AND CONSENT TO  
GRANT DEED AND BILL OF SALE**

THIS IS TO CERTIFY that the attached Grant Deed and Bill of Sale for all sewer improvements which AQUA MANSA COMMERCE PHASE I, LLC, a Delaware limited liability company (“Grantor”) has constructed within the public street commonly known as Avalon Street between Alta Street and Mission Boulevard, is hereby accepted by the RUBIDOUX COMMUNITY SERVICES DISTRICT (“Grantee”) on the date set forth below. Grantee consents to the recordation thereof by its duly authorized officer. Grantee acknowledges and agrees that Grantee shall be responsible for ownership, operation and maintenance of such utility assets.

Date: \_\_\_\_\_, 2023

(SEAL)

RUBIDOUX COMMUNITY SERVICES DISTRICT

By: \_\_\_\_\_

Name: Brian Laddusaw

Its: General Manager

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.
--

State of California )  
County of Riverside )

On \_\_\_\_\_, before me, \_\_\_\_\_, a Notary Public, personally appeared \_\_\_\_\_, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

**EXHIBIT "A"**

**DEPICTION OF RCSD FACILITIES INCLUDED IN THIS CONVEYANCE**

*[to be attached]*

2022-0197901  
02.5.2021

IN THE CITY OF JURUPA VALLEY, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

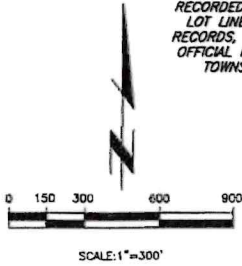
SHEET 9 OF 19 SHEETS

# PARCEL MAP NO. 37528

BEING A SUBDIVISION OF LOTS 6, 9 AND 14 AND PORTIONS OF LOTS 3, 15, AND 16, ALL LOTS OF MAP OF RIVINO HEIGHTS BLOCK 1, AS PER MAP RECORDED IN BOOK 5, PAGES 145 OF MAPS, TOGETHER WITH PORTIONS OF RIVINO BOULEVARD (VACATED), ALSO TOGETHER WITH LOTS 1 THROUGH 18, INCLUSIVE, OF RIVINO GARDENS, AS PER MAP RECORDED IN BOOK 21, PAGE 29 OF MAPS, ALSO TOGETHER WITH PARCEL "B" OF LOT LINE ADJUSTMENT NO. 5218, RECORDED MAY 29, 2008 AS INSTRUMENT NO. 2008-0291639 OF OFFICIAL RECORDS, PARCELS "A", "B", AND "C" OF LOT LINE ADJUSTMENT NO. LLA 1718, RECORDED JUNE 30, 2021 AS INSTRUMENT NO. 2021-0394779 OF OFFICIAL RECORDS, AND PARCEL 13 OF GRANT DEED, RECORDED SEPTEMBER 10, 2020 AS INSTRUMENT NO. 2020-0427543 OF OFFICIAL RECORDS, ALL IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, LYING WITH SECTIONS 2 AND 3, TOWNSHIP 2 SOUTH, RANGE 5 WEST, SAN BERNARDINO MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

THIENES ENGINEERING, INC.

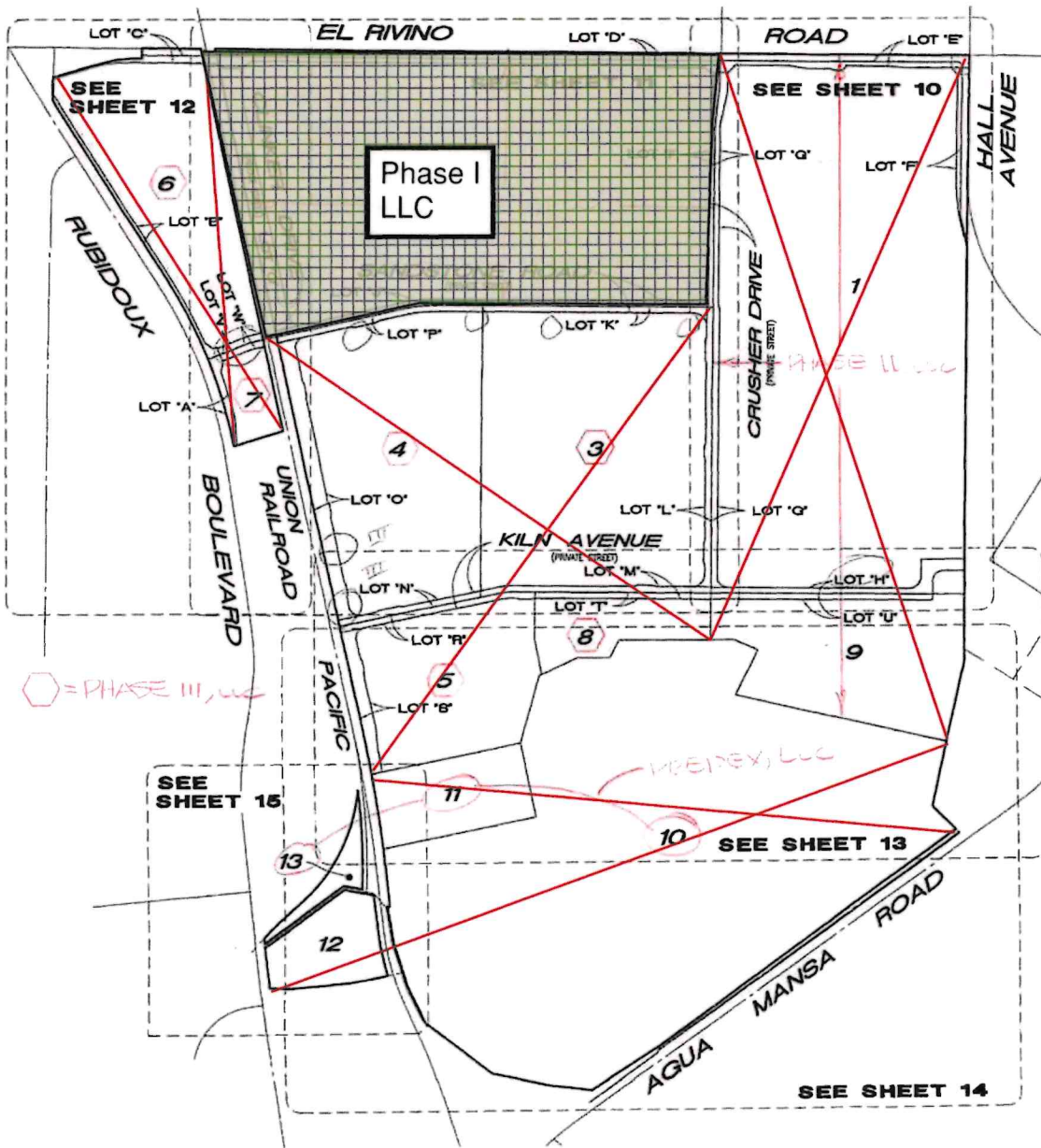
OCTOBER, 2020



**SHEET INDEX:**

- SEE SHEET 2 FOR VICINITY MAP AND BASIS OF BEARINGS
- SEE SHEET 3 FOR MONUMENT & ESTABLISHMENT NOTES
- SEE SHEET 4 FOR BOUNDARY INDEX
- SEE SHEETS 5 THROUGH 8 FOR ADDITIONAL BOUNDARY DETAILS
- SEE SHEET 10 FOR PARCEL 1 AND LOTS "E" & "F" DETAILS
- SEE SHEET 11 FOR PARCELS 2, 3 & 4 AND LOTS "D" DETAILS
- SEE SHEET 12 FOR PARCELS 6 & 7 AND LOTS "A" & "B" DETAILS
- SEE SHEET 13 FOR PARCELS 8, 9, & 11 DETAILS
- SEE SHEET 14 FOR PARCEL 10 DETAILS
- SEE SHEET 15 FOR PARCELS 12 & 13 DETAILS
- SEE SHEETS 16 THROUGH 19 FOR DETAILS OF EXISTING EASEMENTS

INDEX SHEET



Ownership Per  
PTR  
1587-1010

**EXHIBIT "B"**

Description  
of Location of  
RCSD Facilities

**DESCRIPTION OF FACILITIES**

**DETAILED DESCRIPTION.**

**GENERAL NOTES:**

- ALL WORK SHALL CONFORM TO THE DESIGN AND CONSTRUCTION STANDARDS OF RCSD FOR WATER AND SANITARY SEWER FACILITIES.
- SEWER SYSTEM SHALL BE CONSTRUCTED BY THE DEVELOPER FOR DECORATION TO THE RUBIDOUX COMMUNITY SERVICES DISTRICT. CONSTRUCTION MATERIALS, TESTING AND INSPECTION SHALL COMPLY WITH PUBLIC WORKS DEPARTMENT SPECIFICATIONS. THE INSTALLATION SHALL MEET OR EXCEED THE REQUIREMENTS OF ALL PUBLIC AGENCIES HAVING JURISDICTION. FAILURE TO MEET THESE REQUIREMENTS SHALL BE CAUSE FOR REJECTION. SEWER PIPE SHALL BE EXTRA STRENGTH VITRIFIED CLAY PIPE (VCP) UNLESS OTHERWISE APPROVED BY THE DISTRICT ENGINEER.
- CONSTRUCTION OF THE SEWER SYSTEM SHALL NOT COMMENCE UNTIL A FINAL MAP HAS BEEN RECEIVED BY RUBIDOUX COUNTY AND THE DEVELOPER'S ENGINEER HAS CERTIFIED THAT ALL STREETS ARE CONSTRUCTED TO FINAL GRADE FOR CURB AND OUTLET.
- CONTRACTOR SHALL PROVIDE TRENCH PROTECTION AND CONDUCT ALL CONSTRUCTION IN ACCORDANCE WITH CDE - DSH REGULATIONS AND SHALL DETERMINE DEPTH AND LOCATION OF EXISTING UNDERGROUND FACILITIES PRIOR TO TRENCHING. OPEN TRENCH AT ANY ONE TIME SHALL BE LIMITED TO 500 FEET ALONG ROAD RIGHT OF WAY AND SHALL BE BACKFILLED AND COMPACTED AT THE CONCLUSION OF EACH DAY.
- PIPE SHALL BE INSTALLED SO AS TO PROTECT THE PIPE AT ALL TIMES. OPEN ENDS OF UNINSTALLED SEWER SHALL BE PROTECTED AGAINST FLOODING AT ALL TIMES. OPEN ENDS OF INSTALLED SEWER SHALL BE SEALED AT ALL TIMES WHEN CONSTRUCTION IS NOT IN PROGRESS.
- PIPE JOINTS SHALL NOT BE DEFLECTED AT ANY ANGLE GREATER THAN THE MAXIMUM ANGLE RECOMMENDED BY THE PIPE MANUFACTURER.
- DEPTH AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHALL BE DETERMINED BY THE CONTRACTOR BY NOTIFYING THE DISTRICT ENGINEER. THE CONTRACTOR SHALL ALSO CONTACT UNDERGROUND SERVICE ALERT (800) 737-7869 PRIOR TO ANY EXCAVATION.
- WHERE THE SEWER MAIN CROSSES STORM DRAINS, OTHER PIPELINES, TELEPHONE AND ELECTRIC DUCTS OR SIMILAR INSTALLATIONS, A MINIMUM OF 12 INCHES OF CLEARANCE SHALL BE PROVIDED BETWEEN THE MAIN AND OTHER UTILITIES. SEPARATION OF THE MAIN AND SEWER LINES MUST COMPLY WITH THE RUBIDOUX COUNTY HEALTH DEPARTMENT STANDARDS AS SHOWN ON PROJECT LOCATION MAP AND SHALL EXCEED THE REQUIREMENTS OF THE STATE OF CALIFORNIA, DEPARTMENT OF HEALTH.
- CONNECTIONS TO EXISTING RCSD SEWER PIPELINES SHALL NOT BE ACCOMPLISHED UNLESS THE DISTRICT INSPECTOR IS PRESENT. THE RCSD MAY elect to HAVE THE CONNECTION AT THE DEVELOPER'S EXPENSE. CONTRACTOR TO VERIFY BOTH HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SEWER MAINS PRIOR TO CONSTRUCTION. NO CONNECTIONS TO EXISTING RCSD SEWERLINES SHALL BE ALLOWED ON PRELIMS.
- BACKFILL SHALL BE COMPACTED TO THE GREATER OF SOLE RELATIVE DENSITY (EQUIVALENT TO THE SURROUNDING GROUND) OR TO THE REQUIREMENTS OF THE AGENCY HAVING JURISDICTION. WHICHEVER IS MORE STRINGENT.
- SEWER LATERALS SHALL BE 4" VCP UNLESS OTHERWISE INDICATED. EXACT LOCATIONS OF VIEWS AND LATERALS ARE TO BE ESTABLISHED IN EACH PRIVATE LATERAL UNDER AN "X" SHALL BE IMPRINTED ON THE CURB FACE AT THE FINAL SEWER LATERAL LOCATION AND A STEEL ROD OR SIMILAR SHALL BE INSTALLED AT THE END OF EACH SEWER LATERAL TO ASSIST IN LOCATING AT A LATER DATE.
- UNLESS INDICATED BY THE RCSD, A 2" WIDE METALLIC LOCATOR PIPE SHALL BE PLACED WITH EACH SEWER AND SERVICE LATERAL TO ASSIST IN FUTURE LOCATION. PIPE SHALL BE PLACED AT LEAST 4" ABOVE THE PIPE, BUT NOT DEEPER THAN 4" FROM THE PROPOSED FINISHED GRADE.
- ALL SEWERS SHALL BE BAILED, AIR TESTED AND VIDEO INSPECTED PRIOR TO ACCEPTANCE BY THE DISTRICT.
- SURFACE IMPROVEMENTS DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE RECONSTRUCTED BY THE CONTRACTOR TO THE REQUIREMENTS OF THE AGENCY HAVING JURISDICTION.
- THE DEVELOPER SHALL PROVIDE ONE SET OF PRINTS SHOWING ALL "AS-BUILT" CONDITIONS INCLUDING THE STATING OF SEWER LATERAL CONNECTIONS AND FWD ELEVATIONS AS A CONDITION OF FINAL APPROVAL.
- ANY REVISION TO THESE DRAWINGS MUST BE APPROVED IN WRITING BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR THE INSTALLATION OF BACKFILL VALVES WHERE REQUIRED PER UNIFORM PLUMBING CODE AND PER RCSD STANDARDS.
- THE CONTRACTOR IS ADVISED THAT THE WORK ON THIS PROJECT MAY INVOLVE WORKING IN A CONFINED AIR SPACE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH "CONFINED AIR SPACE" ARTICLE 108, TITLE 8 CALIFORNIA ADMINISTRATIVE CODE.
- CONTRACTOR SHALL WARRANTY ALL WORK FOR 12 MONTHS AFTER THE DATE OF FINAL INSPECTION.

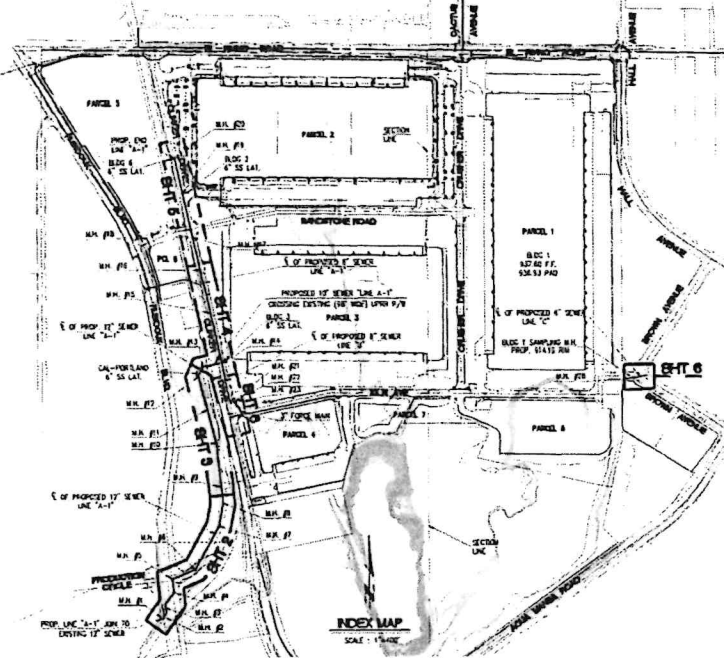
**AGUA MANSA COMMERCIAL PREDEV LLC**  
 1341 VON KARMAH, SUITE 200  
 NEWPORT BEACH, CA 92660  
 PH. (949) 431-6400  
 FAX (949) 330-3771

**OWNER:**  
 AGUA MANSA COMMERCIAL PREDEV LLC  
 1341 VON KARMAH, SUITE 200  
 NEWPORT BEACH, CA 92660

**SOILS ENGINEER:**  
 LUNGAN  
 12 OCEANVIEW PARK, SUITE 130  
 IRVINE, CA 92614

**CIVIL ENGINEER:**  
 THIENES ENGINEERING  
 13419 FREESTONE BOULEVARD  
 LA HABRA, CA 90630

**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**  
 8", 10" AND 12" PUBLIC SEWER MAIN - SS A-1  
 RUBIDOUX COMMUNITY SERVICES DISTRICT



**ABBREVIATIONS**

- R/W - PROPERTY LINE
- E/W - NORTH OF WAY
- C/L - CENTERLINE
- F/L - FLOW LINE
- F.S. - FINISH SURFACE
- T.S. - TOP OF CONCRETE SLAB
- H.F. - FINISH FLOOR
- H.F. - HIGH POINT
- R.D. - ROOF DRAIN
- R.C.P. - REINFORCED CONC. PIPE
- V.C.P. - VITRIFIED CLAY PIPE
- W.C. - WASTE
- F.C. - FRESH GRADE
- S.D. - STORM DRAIN
- S.L.T. - STREET LIGHT
- G.B. - GRADE BREAK
- H.P. - HIGH POINT
- C.F. - CURB FACE
- B.W. - BACK OF WALK
- A.G. - AGGREGATE BASE
- P.W. - POLYETHYLENE GLYCOL
- C.A.P. - CAST IRON PIPE
- F.H. - FIRE HYDRANT
- P.P. - POWER POLE
- N. - NORTH
- R.A. - RATE OF GRADE
- R.C.R. - BEGINNING OF CURVE
- E.C.R. - END OF CURVE
- V.P. - VERTICAL POINT OF INFLECTION
- B.O.W. - BOTTOM OF WALL
- D.I.P. - DUCTILE IRON PIPE
- M.P.I. - MANHOLE POINT OF INFLECTION
- V.P.I. - VERTICAL POINT OF INFLECTION
- PROF. - PROFILE
- EXIST. - EXISTING
- PROPOSED - PROPOSED
- RUBIDOUX COMMUNITY SERVICES DISTRICT
- F.H. - FIRE HYDRANT
- DOM. - DOMESTIC WATER SERVICE
- DRAINAGE - DRAINAGE
- M.A. - MAIN
- T.B. - TOP OF BENCH MARK
- W.S.E. - WATER SURFACE ELEVATION

**ENCASUREMENT REQUIREMENTS**  
**IN UNION PACIFIC RIGHT OF WAY:**

- ALL THROUGH EXISTENCE SINGLE DUCTS OR PIPES 8" OR GREATER IN DIAMETER SHALL BE ENCASED. INSTALLATION OF MULTIPLE DUCTS OR PIPES, REGARDLESS OF DIAMETERS, SHALL REQUIRE ENCASEMENT.
- THE MINIMUM WALL THICKNESS REQUIRED FOR STEEL ENCASEMENTS IS BASED ON LENGTHS AND DIAMETERS OF PIPES REPRESENTATIVE.
- ENCASEMENT DUCTS SHALL BE PLACED WITH UN-DRAINED ENDS ON OTHER AVAILABLE MATERIAL APPROVED BY THE UPRI REPRESENTATIVE.
- THE UNION PACIFIC REPRESENTATIVE MAY REQUIRE THE PERMITTEE TO PRECLUDE CROWN PILING ANY VIEWS GENERATED IN THE COURSE OF THE PERMITTED WORK. PROTECTIVE SHALL BE AT THE EXPENSE OF THE PERMITTEE. GROUP HOLES MUST BE PLACED INSIDE OF THE PIPE, GENERALLY ON DIAMETERS OF 36" OR GREATER, SHALL BE ON 6" CENTERS, LONGITUDINALLY AND OFFSET 20 DEGREES FROM VERTICAL, AND EXTENDED TO THE LEFT AND RIGHT OF THE TOP LONGITUDINAL AXIS OF THE PIPE. GROUP PRECURE SHALL NOT EXCEED 3 PIGS FOR A DURATION SUFFICIENT TO FILL THE VOID.
- THERE IS A SPACING REQUIREMENT WHEN PLACEMENT OF MULTIPLE ENCASEMENTS IS REQUIRED. THE SPACING BETWEEN MULTIPLE ENCASEMENTS SHALL BE THE GREATER OF EITHER 24" OR THREE TIMES THE DIAMETER OF THE LARGEST PIPE BEING ENCASED.
- ANY CUTTINGS WHEN USED SHALL ONLY JOBS A MINIMUM OF 1" IN THICKNESS TO THE OUTSIDE DIAMETER OF THE ENCASEMENT PIPE. HOLES IN SIDES OF THE FORWARD SPECIFICATIONS SHALL BE OBSERVED.
- A BOND CEMENT TO THE LEADING EDGE OF THE ENCASEMENT PIPE SHALL BE PLACED SQUARE TO THE ALIGNMENT AND NOT ON THE BOTTOM EDGE OF PIPE. A FLANGED LAD SECTION ON BORES OVER 10" SHALL NOT BE PERMITTED.
- THE LENGTH OF THE ALGER STAND SHALL BE EQUAL TO THAT OF THE SECTION OF ENCASEMENT PIPE.
- ENCASEMENTS PLACED WITHIN CONVICTION HIGHWAY RIGHT OF WAY SHALL EXTEND 3' BEYOND THE EDGE OF THE PAVED SHOULDER, BACK OF CURB OR TO THE HIGHWAY RIGHT OF WAY LINE.
- ENCASEMENT PLACED ACROSS CONTROLLED ACCESS RIGHT OF WAY SHALL EXTEND TO THE HIGHWAY RIGHT OF WAY LINES.

**SEWER CONSTRUCTION NOTES:**

- CONSTRUCT 12" VCP SEWER LINE, TRENCH BACKFILL AND PAYMENT PER RCSD STD. DMC. S2010.
- CONSTRUCT 10" SD 20 PVC SEWER LINE, TRENCH BACKFILL AND PAYMENT PER RCSD STD. DMC. C20 (IF PREVIOUS EASY).
- CONSTRUCT 8" SD 28 PVC SEWER LINE, TRENCH BACKFILL AND PAYMENT PER RCSD STD. DMC. C20 (IF PREVIOUS EASY).
- CONSTRUCT 6" SD 28 PVC SEWER LINE, TRENCH BACKFILL AND PAYMENT PER RCSD STD. DMC. C20 (IF PREVIOUS EASY).
- CONSTRUCT 4" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RCSD STD. DMC. S2020 AND S2025.
- CONSTRUCT SEWER LATERAL PER RCSD STD. DMC. S2020.
- CONSTRUCT 4" DIA. PRECAST CONCRETE "SMALL" MANHOLE WITH FRAME AND COVER PER RCSD STD. DMC. S2030 AND S2025.
- REMOVAL EXISTING MANHOLE STRUB AND CONNECT PER DETAIL ON SHEET 2.
- DRY BORE AND JACK PER UNION PACIFIC RAILROAD SPECIFICATIONS. INSTALL 10" PVC SEWER LINE IN 10" DIAMETER (CLASS HIGH TRUCK) SHEET PILE CASING PER UNION PACIFIC RAILROAD SPECIFICATIONS. (SEE DETAILS ON SHEET 1)
- NOT USED.
- CONSTRUCT 4" VCP SEWER LATERAL, TRENCH BACKFILL AND PAYMENT PER RCSD STD. DMC. S2010.
- CONSTRUCT 12" SD 28 PVC SEWER LINE, TRENCH BACKFILL AND PAYMENT PER RCSD STD. DMC. C20 (IF PREVIOUS EASY).
- INSTALL LATERAL SAMPLE CONNECTION TO EXISTING SEWER MAIN PER RCSD STD. DMC. S2100.
- INSTALL WAREHOUSE POST FOR MANHOLE OUTSIDE OF PAVED AREAS.
- 3" SD 80 PVC PRIVATE FORCE MAIN FROM (BUILDING 3) PRIVATE LOT SURFACE (NOT OWNER OR MANAGED BY DISTRICT AND WILL BE REVIEWED AND APPROVED BY THE CITY).
- 3" SD 80 PVC 45' ELBOW FOR PRIVATE FORCE MAIN (NOT OWNED OR MANAGED BY DISTRICT AND WILL BE REVIEWED AND APPROVED BY THE CITY).
- CALL-OUT/INLET DUCTS, SEWER SYSTEM (SMALL LOCAL LINES AND DUMP) INCLUDING EXIST. PROTECTOR MONITORING WELLS SHALL BE REMOVED BY OTHERS EXCEPT RCSD. SEWER LATERAL IS INSTALLED AND SERVING THE CALL-OUT/INLET FACILITIES.

**CITY:**

**SHEET INDEX OF DRAWINGS**

1	TITLE SHEET
2	SEWER PLAN AND PROFILE - FROM STA 8+22.00 TO STA 18+30.00
3	SEWER PLAN AND PROFILE - FROM STA 18+30.00 TO STA 27+23.00
4	SEWER PLAN AND PROFILE - FROM STA 27+23.00 TO STA 36+00.00
5	SEWER PLAN AND PROFILE - FROM STA 36+00.00 TO STA 43+16.75
6	SEWER LINE & SEWER PLAN AND PROFILE - FROM STA 1+00+00 TO STA 4+13.84
7	SEWER PLAN AND PROFILE - FROM STA 10+00+00 TO STA 10+08.40
8	3" FORCE MAIN FROM BUILDING 3 TO SEWER PLAN AND PROFILE - FROM STA 10+08.40 TO STA 11+47.75
783	UPR. LICENSE AGREEMENT

**LEGEND**

- PROPOSED SEWERLINE
- EXISTING SEWERLINE
- SEWER PLAN AND PROFILE - FROM STA 18+30.00 TO STA 27+23.00
- SEWER PLAN AND PROFILE - FROM STA 27+23.00 TO STA 36+00.00
- SEWER PLAN AND PROFILE - FROM STA 36+00.00 TO STA 43+16.75
- SEWER LINE & SEWER PLAN AND PROFILE - FROM STA 1+00+00 TO STA 4+13.84
- SEWER PLAN AND PROFILE - FROM STA 10+00+00 TO STA 10+08.40
- 3" FORCE MAIN FROM BUILDING 3 TO SEWER PLAN AND PROFILE - FROM STA 10+08.40 TO STA 11+47.75
- UPR. LICENSE AGREEMENT

**ENGINEER'S NOTICE TO CONTRACTORS:**

THE DISTRICT AND LOCATION OF UNDERGROUND UTILITY PLANS OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SURVEY OF AVAILABLE RECORDS. THE CONTRACTOR SHALL TAKE THE PRECAUTIONS OF THE REFERENCED UTILITIES AS WELL AS ANY NOT SHOWN AND SHALL CONFIRM ALL ALIGNMENTS AND GRADES BY FIELD INVESTIGATION.

**BASIS OF BEARING:**

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM (GENERAL ZONE 8 NORTH AMERICAN DATUM 1983) BASED LOCALLY ON CONTIGUOUSLY OPERATING REFERENCE STATIONS (CONRS) "4247" AND "4002" AND SECONDARY MERIDIAN (BASES OF BEARINGS: "4247" IS BEARING 132.2670° N) ALL BEARINGS SHOWN HEREON ARE GRID BEARINGS AND REPRESENTED HEREON BY THE CENTERLINE OF EL RIVADO AVENUE BEARING NORTH 82.1939° WEST.

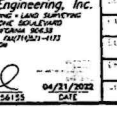
**BENCH MARK:**

REVERSE BENCHMARK NO. "M3-34" RESET 1970 STANDARD BRASS DISK, STAMPED T.M. CO. SUR. M. 1-3-64 BEARING 183° AT THE INTERSECTION OF HAWTHORNE STREET & AGUA MANSA ROAD 170 FEET NORTH FROM THE INTERSECTION ALONG THE CENTERLINE OF AGUA MANSA ROAD. 17 FEET WEST & 8 FEET DOWN LINE FENCE. SUBMERGED BY HIGH WATER. CONSTRUCTION COMPANY 7 FEET EAST OF A 34 INCH DRAIN SET ON TOP OF A 12" X 12" X 1" CONCRETE ROAD WALL ELEVATION = 864.827 (ROUND UP / 1971 ADA)

CITY OF AGUA VALLEY  
 ENGINEERING DEPARTMENT  
 APPROVED BY  
**Octavio Duran**  
 Digitally signed by Octavio Duran  
 DN: cn=Octavio Duran, o=City of Agua Valley  
 13:04:06 -0700

APPROVED BY  
**Ted Beckwith**  
 Digitally signed by Ted Beckwith  
 DN: cn=Ted Beckwith, o=Thienes Engineering, Inc.  
 13:04:06 -0700

APPROVED BY  
**Thienes Engineering, Inc.**  
 Digitally signed by Thienes Engineering, Inc.  
 DN: cn=Thienes Engineering, Inc., o=Thienes Engineering, Inc.  
 04/23/2022



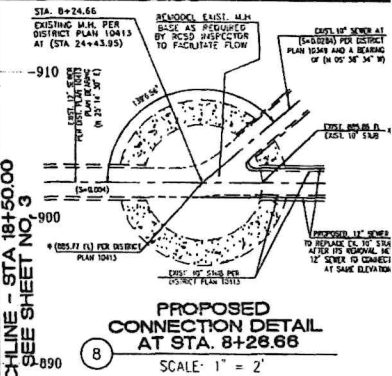
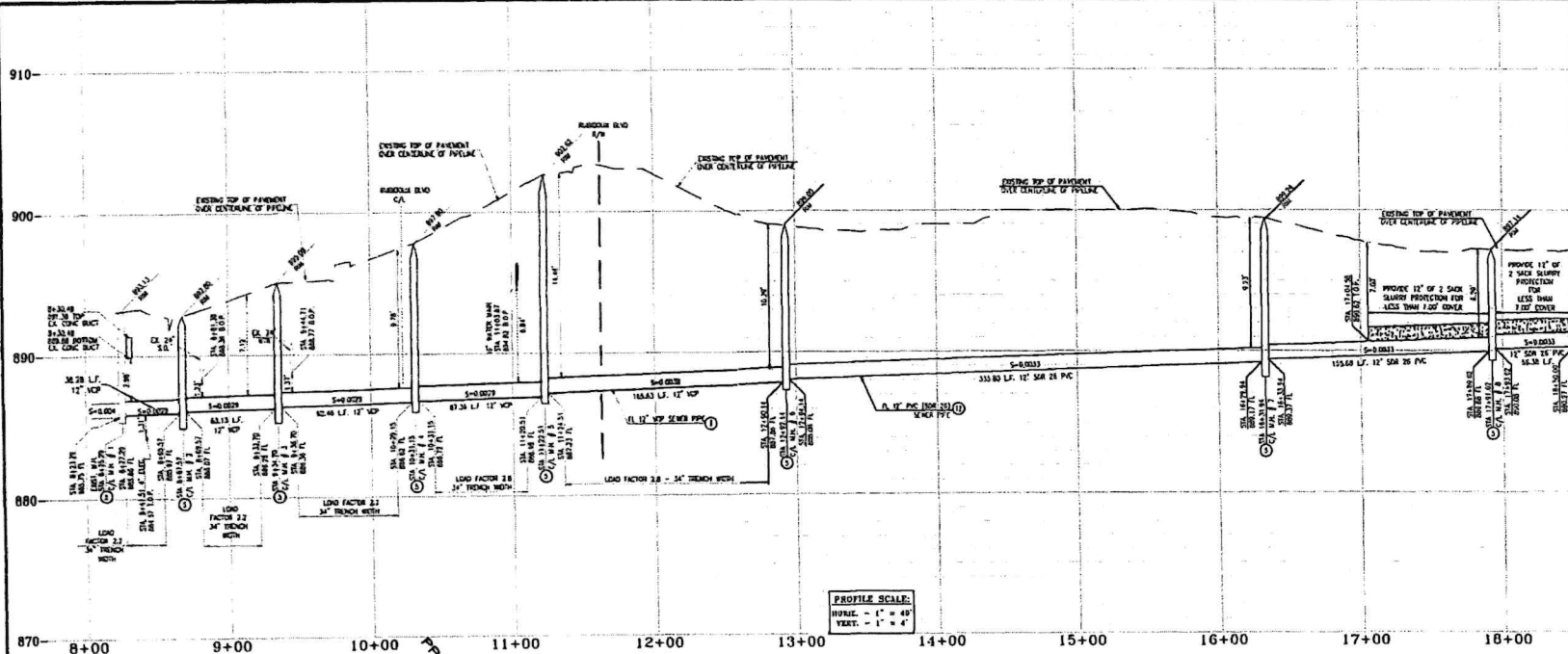
RUBIDOUX COMMUNITY SERVICE DISTRICT  
**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**  
**TITLE SHEET**



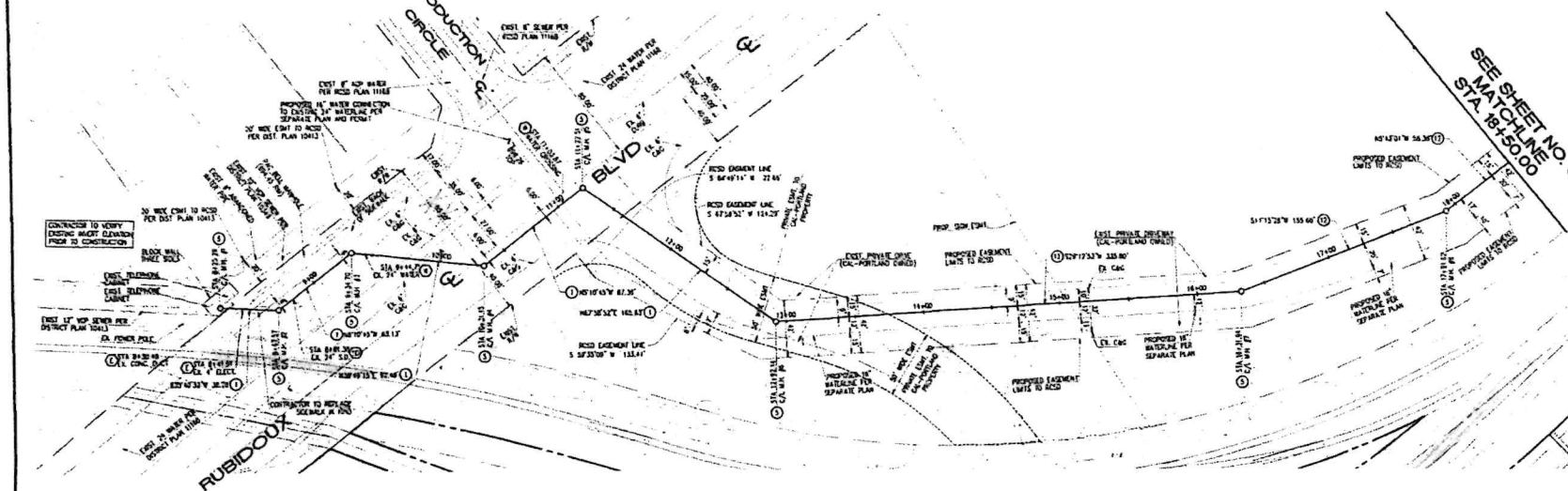
I CERTIFY THAT THE DESIGN OF THE SEWER SYSTEM FOR P.M. NO. 37528 IS IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS TO SEWER PROVIDED FOR THE STATE BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT, AND THAT THE MAJOR DESIGN DECISIONS ARE ACCORDANT WITH THE DESIGN STANDARDS AND SPECIFICATIONS FOR THE PROJECT AS SHOWN ON THE ANNOTATED MAPS FROM THE PROPOSED PARCELS OF SAID PARCEL MAP.

RUBIDOUX COMMUNITY SERVICES DISTRICT  
 DIRECTOR OF ENGINEERING, REC. 4878

SHEET  
**1**  
 OF 8 SHEETS  
 R.C.S.D. PLAN

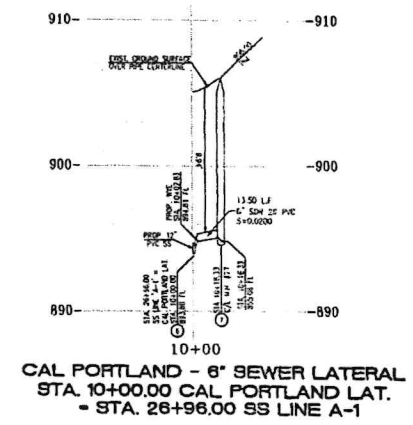
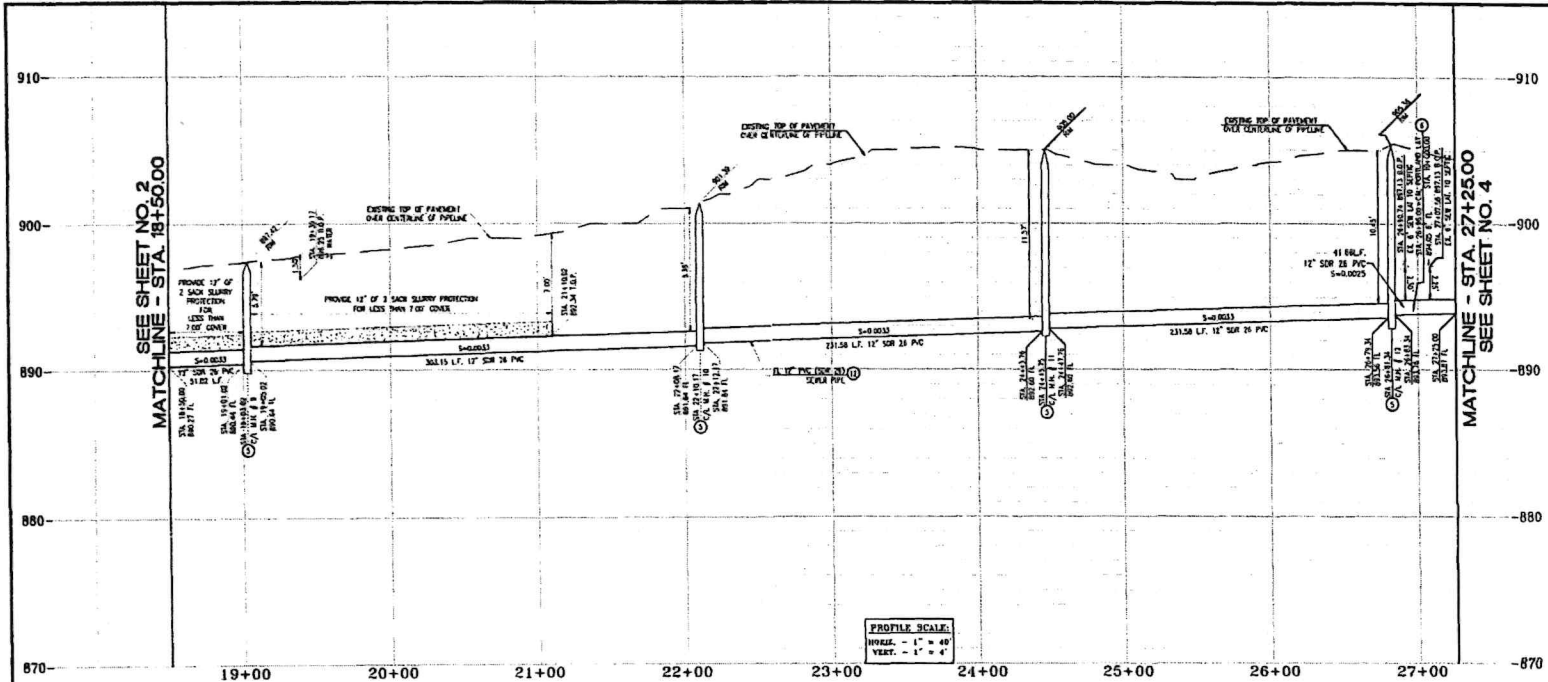


- PROCEDURE FOR CONNECTING**
- CONTRACTOR SHALL PROVIDE PLAN TO BYPASS EXISTING UPSTREAM FLOWS AROUND CONNECTION FROM AREA TO COMPLETE MODIFICATIONS. CONTRACTOR SHALL SUBMIT BYPASS PLAN TO DISTRICT FOR REVIEW & WELLS BEFORE CONNECTION WORK IS BEGUN.
  - CONTRACTOR SHALL PREPARE A HYDRA CONTROL PLAN FOR CITY REVIEW AND APPROVAL AND OBTAIN AN EMERGENCY PERMIT FROM THE CITY FOR WORKING IN THE PUBLIC RIGHT-OF-WAY.
  - WORKING IN ACCORDANCE WITH GOOD STANDARDS, QUALITY & TRAFFIC SAFETY SYSTEM FOR DIAGNOSTIC INCLUDING TRAFFIC SAFETY.
  - CONTRACTOR SHALL OPEN EXISTING MANHOLE AND VERIFY EXISTING SEWER SIZE (PIPE SIZE AND ELEVATION) PRIOR TO PROCEEDING WITH ANY SEWER PIPE CONNECTION. SEWER CONNECTION SHALL PROCEED FROM DOWNSTREAM TO UPSTREAM. ANY DEVIATIONS TO PLAN DISCOVERED DURING THIS EXPLORATION SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER OF RECORD.
  - THE EXISTING SEWER LINE SHALL BE EXPOSED BY CAPITAL EXCAVATION, PER REED SPECIFICATIONS AND UNDER THE SUPERVISION OF REED INSPECTOR ON THE RECEIVING SIDE OF THE MANHOLE. THE SHIP & EXPOSED SIDES OF THE MANHOLE SHALL BE PROTECTED FOR DAMAGE.
  - CONTRACTOR SHALL REPLACE OR REUSE EXISTING STUB TO REINSTATE 12\"/>
  - AT ALL TIMES CONTRACTOR SHALL BE CAUTIOUS TO NOT ALLOW SHIP, DEBRIS OR DEWAST TO ENTER EXISTING SYSTEM.
  - INSTALL FIRST LENGTH OF NEW SEWER PIPE TO THE LINE AND GRADE PROVIDED ON THE PLANS AND TEST CONNECTION PRIOR TO BACKFILLING AND AT THE DISCRETION OF REED INSPECTOR.
  - BACKFILL PER REED REQUIREMENTS ALSO AT THE CONNECTION AND TO THE SATISFACTION OF THE REED INSPECTOR. MODIFICATION OF PROVISIONS IF APPLICABLE SHALL BE PERFORMED AS WARRANTED BY THE SATISFACTION OF THE CITY INSPECTOR.



- SEWER CONSTRUCTION NOTES:**
- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY DEPT. AND LOCAL/STATE ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY INTERFERENCES.
- CONSTRUCT 12\"/>
  - CONSTRUCT 6\"/>
  - REMODEL EXISTING MANHOLE STRUCTURE AND CONNECT PER DETAIL ON SHEET 2.
  - CONSTRUCT 12\"/>
- \* CONTRACTOR TO VERIFY LOCATION AND DEPTH ELEVATIONS OF EXISTING UTILITIES AND EXISTING SYSTEMS AND NOTIFY ENGINEER OF ANY OCCURRENCES PRIOR TO ANY CONSTRUCTION.

	APPROVED BY THE RUBIDOUX COMMUNITY SERVICE DISTRICT FOR CONSTRUCTION. <b>Ted Beckwith</b> DATE: _____ DIVISION OF ENGINEERING, REC 4878		<b>ToThines Engineering, Inc.</b> CIVIL ENGINEERING - LAND SURVEYING 11414 PRODUCTION BLVD SUITE 100, SAN DIEGO, CALIFORNIA 92128 (619) 441-1110 WWW.TOTHINES.COM	UNDER THE SUPERVISION OF:  T. Beckwith DATE: 04/21/2023	1" = 40' 1/8" = 10' 1/4" = 20' 1/2" = 40' 3/4" = 60' 1" = 80' 1 1/4" = 120' 1 1/2" = 160' 2" = 240' 3" = 360' 4" = 480' 6" = 720' 8" = 960' 10" = 1200'	RUBIDOUX COMMUNITY SERVICE DISTRICT <b>PARCEL MAP NO. 37528</b> <b>SEWER IMPROVEMENT PLAN</b> 12" PUBLIC SEWER MAIN - 88 LINE A-1 STA. 8+25.29 TO STA. 18+50.00	SHEET <b>2</b> OF 8 SHEETS R.C.S.D. PLAN 1
	YOU AFTER ONE YEAR FROM THIS DATE.						



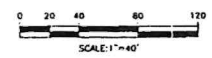
PROFILE SCALE:  
 HORIZ. 1" = 40'  
 VERT. 1" = 4'

**SEWER CONSTRUCTION NOTES:**

NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY INVERT AND LOCATIONS. ENGINEER OR RECORDS SHALL BE NOTIFIED OF ANY DISCREPANCIES.

- 1. CONSTRUCT 6" SDR 26 PVC SEWER LINE, 12" HIGH BACKFILL AND PAYMENT REPAIR PER RCSD STD. CWC 220 (IF PAYMENT EXIST).
- 2. CONSTRUCT 4" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RCSD STD. CWC 320.33 AND 320.67.
- 3. CONSTRUCT SEWER LATERAL PER RCSD STD. CWC 330.00.
- 4. CONSTRUCT 4" DIA. PRECAST CONCRETE "SAWPIPS" MANHOLE WITH FRAME AND COVER PER RCSD STD. CWC 320 (IF PAYMENT EXIST).
- 5. CONSTRUCT 12" SDR 26 PVC SEWER LINE, 12" HIGH BACKFILL AND PAYMENT REPAIR PER RCSD STD. CWC 220 (IF PAYMENT EXIST).
- 6. CAL-PORLAND EXIST. SEPTIC SYSTEM (TANKS, LEACH LINES AND EXHAUST) INCLUDING EXIST. PERCOLATION MONITORING WELLS SHALL BE REPAIRED BY OTHERS ONCE NEW 6" SEWER LATERAL IS INSTALLED AND SERVING THE CAL-PORLAND FACILITIES.

\* CONTRACTOR TO VERIFY LOCATION AND INVERT ELEVATIONS OF EXISTING SEPTIC AND SURFACE SYSTEMS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY CONSTRUCTION.



**CALIFORNIA REGISTERED PROFESSIONAL ENGINEER**  
 Ted Beckwith  
 No. 422-4133  
 422-4133

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:  
**Ted Beckwith**  
 DATE: \_\_\_\_\_ DIRECTOR OF ENGINEERING, REC. 4274

NO.	DATE	REVISION

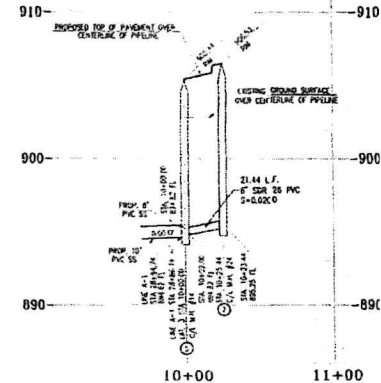
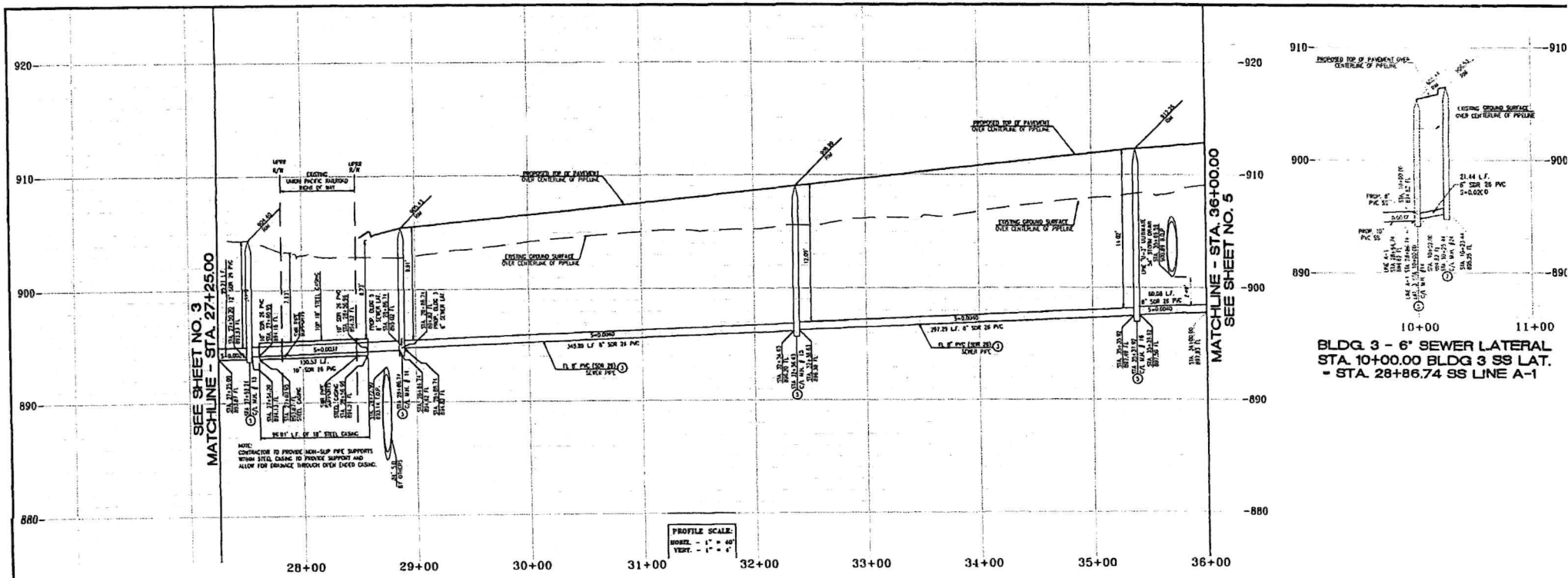
**REGISTERED PROFESSIONAL SURVEYOR**  
 No. 422-4133  
 422-4133

**Tohannes Engineering, Inc.**  
 CIVIL ENGINEERING - LAND SURVEYING  
 10101 UNIVERSITY AVENUE, SUITE 100  
 PORTLAND, OREGON 97203  
 PHONE: (503) 253-1111  
 FAX: (503) 253-1112  
 PROJECT NO. 2022-001  
 DATE: 04/21/2022

SCALE	1" = 40'
FIELD NO.	
DESIGN	
MA.	
D.T.	
R.S.	

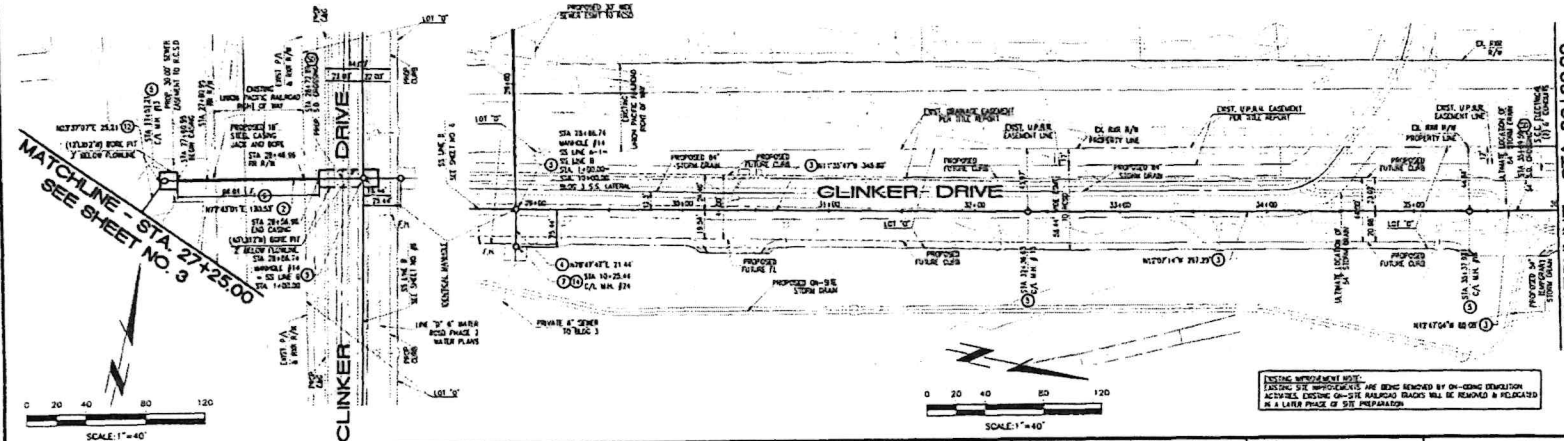
**RUBIDOUX COMMUNITY SERVICE DISTRICT**  
**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**  
 12" PUBLIC SEWER MAIN - 8" LINE A-1  
 STA. 19+50.00 TO STA. 27+25.00





**BLDG. 3 - 6" SEWER LATERAL  
STA. 10+00.00 BLDG 3 SS LAT.  
- STA. 28+86.74 SS LINE A-1**

**PROFILE SCALE:**  
HORIZ. - 1" = 40'  
VERT. - 1" = 4'



- SEWER CONSTRUCTION NOTES:**
- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY REPORT AND LOCATIONS. DIMENSIONS OF RECORD SHALL BE NOTICED BY ANY DISCREPANCIES.
- CONSTRUCT 18" SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. Dwg. 520 (IF PAVEMENT EXIST).
  - CONSTRUCT 8" SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. Dwg. 520 (IF PAVEMENT EXIST).
  - CONSTRUCT 6" SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. Dwg. 520 (IF PAVEMENT EXIST).
  - CONSTRUCT 4" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RCSD STD. Dwg. 520 AND 520B.
  - CONSTRUCT 4" DIA. PRECAST CONCRETE "WALKING" MANHOLE WITH FRAME AND COVER PER RCSD STD. Dwg. 520A AND 520B.
  - CONSTRUCT 4" DIA. PRECAST CONCRETE "WALKING" MANHOLE WITH FRAME AND COVER PER RCSD STD. Dwg. 520A AND 520B.
  - CONSTRUCT 18" SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. Dwg. 520 (IF PAVEMENT EXIST).
  - INSTALL MANHOLE POST FOR MANHOLE OUTSIDE OF PAVED AREAS.
- \*CONTRACTOR TO VERIFY LOCATION AND HEIGHT DIMENSIONS OF EXISTING UTILITIES AND MANHOLE SYSTEMS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY CONSTRUCTION.

**EXISTING IMPROVEMENTS:**  
EXISTING SITE IMPROVEMENTS ARE BEING REMOVED BY ON-GOING DEMOLITION ACTIVITIES. EXISTING ON-SITE MATERIALS SHALL BE REMOVED & RELOCATED IN A LATER PHASE OF SITE PREPARATION.

**SCALE: 1" = 40'**

**THE WORKING DATE GOVERN YOU**

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:

**Ted Beckwith**

DATE: \_\_\_\_\_

DIRECTOR OF ENGINEERING, RCD

VOID AFTER ONE YEAR FROM THIS DATE

NO.	DATE	DESCRIPTION

**REGISTERED PROFESSIONAL ENGINEER**

STATE OF CALIFORNIA

NO. 10311

EXPIRES 12-31-24

**Tohannes Engineering, Inc.**

FOR DESIGNING - LAND SURVEYING - CIVIL ENGINEERING - BOLLARD DESIGN - ARCHITECTURAL - INTERIOR - EXTERIOR

UNDER THE SUPERVISION OF:

**J. Wilson**

REGISTERED SURVEYOR RCD NO. 26153

DATE: 04/21/2023

**RUBIDOUX COMMUNITY SERVICE DISTRICT**

**PARCEL MAP NO. 37528**

**SEWER IMPROVEMENT PLAN**

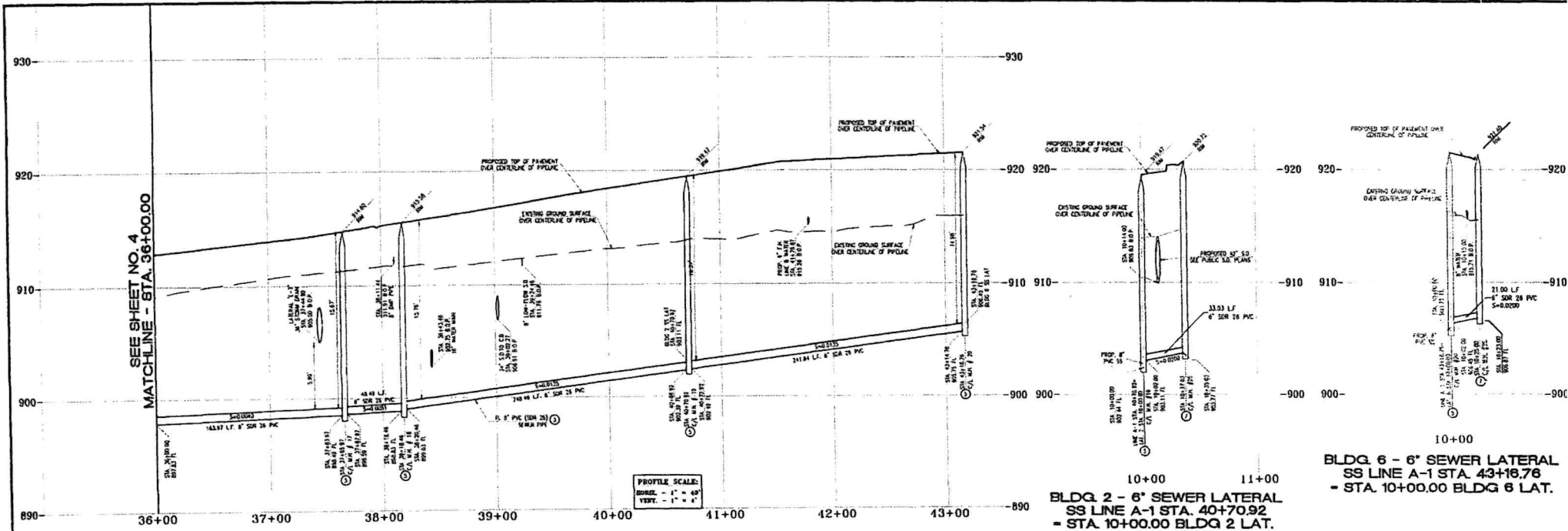
PUBLIC SEWER MAIN - 89 A-1

STA. 27+25.00 TO STA. 36+00.00

SHEET **4**

OF 8 SHEETS

R.C.S.D. PLAN 1

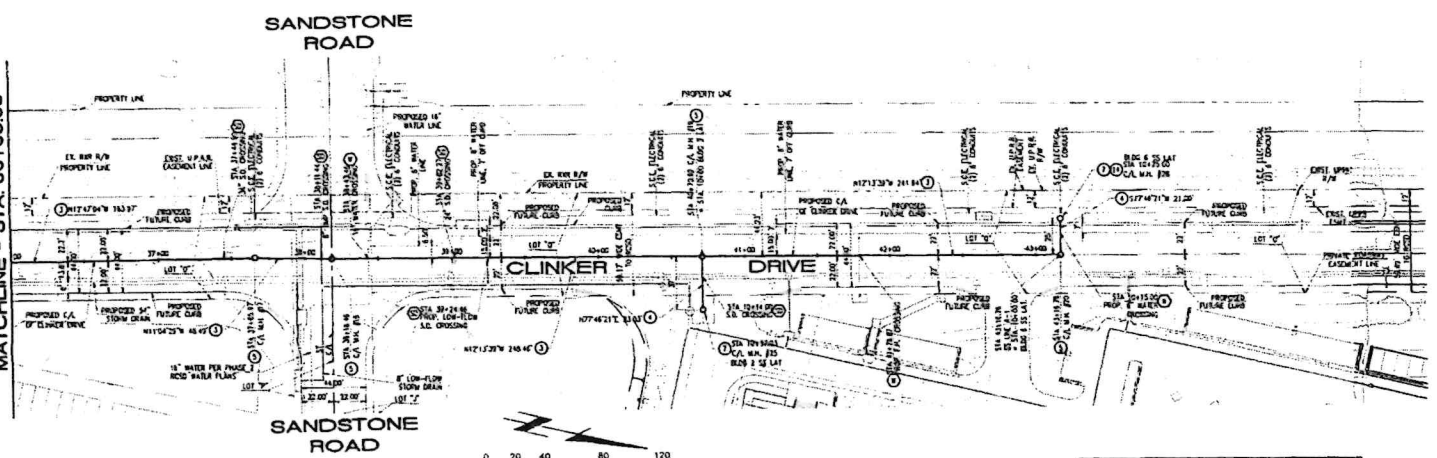


BLDG 6 - 6" SEWER LATERAL  
 SS LINE A-1 STA. 43+16.76  
 - STA. 10+00.00 BLDG 6 LAT.

BLDG 2 - 6" SEWER LATERAL  
 SS LINE A-1 STA. 40+70.92  
 - STA. 10+00.00 BLDG 2 LAT.

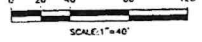
SEE SHEET NO. 4  
 MATCHLINE - STA. 36+00.00

SEE SHEET NO. 4  
 MATCHLINE - STA. 36+00.00



- SEWER CONSTRUCTION NOTES:**
- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY INVERT AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- 1. CONSTRUCT 6" 50# 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. DWS C20 (IF PAVEMENT EXIST.)
  - 2. CONSTRUCT 6" 50# 26 PVC SEWER LINC, TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. DWS C20 (IF PAVEMENT EXIST.)
  - 3. CONSTRUCT 4' DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RCSD STD. DWS S2030 AND S2060.
  - 4. CONSTRUCT 4' DIA. PRECAST CONCRETE "SMALLER" MANHOLE WITH FRAME AND COVER PER RCSD STD. DWS S2030 AND S2060.
  - 5. INSTALL WARNER POST FOR MANHOLE OUTSIDE OF PAVED AREAS.

\* CONTRACTOR TO VERIFY LOCATION AND EXISTING ELEVATIONS OF EXISTING UTILITIES AND SPACING, TYPING AND HOIST ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY CONSTRUCTION.



EXISTING UNDERGROUND UTILITIES:  
 EXISTING SITE INVESTIGATIONS ARE BEING REVIEWED BY ON-GOING CONSTRUCTION ADVISORS. EXISTING ON-SITE MANHOLE TRACKS WILL BE REMOVED & REINSTALLED IN A LATER PHASE OF SITE PREPARATION.

**CALL BEFORE YOU DIG**

Interstate Utilities Service Alert  
 Call: TOLL FREE  
 1-800  
 422-4133

THIS WORKING DAYS BEFORE YOU DIG

APPROVED BY THE RIBUDOUX COMMUNITY SERVICE DISTRICT FOR CONSTRUCTION:

**Ted Beckwith**  
 DATE: DIRECTOR OF ENGINEERING, RCSE 4878

VOID AFTER ONE YEAR FROM THIS DATE



**Thienes Engineering, Inc.**  
 2434 FORESTVIEW BOULEVARD  
 SUITE 100  
 RIVERSIDE, CALIFORNIA 92504  
 PH: (951) 511-1111 FAX: (951) 511-1112  
 WWW: THTIENES.COM

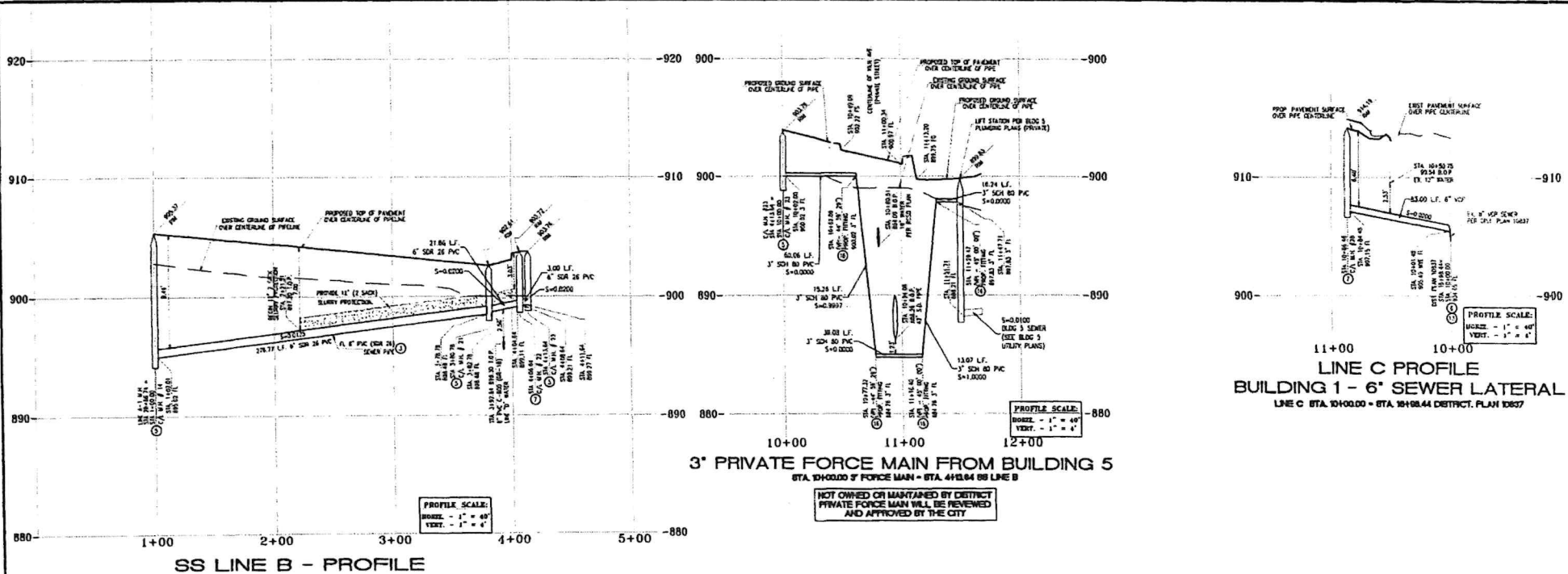
UNDER THE SUPERVISION OF:  
**Edward Stevens**  
 REGISTERED ENGINEER, REG. NO. 24614

DATE: 04/21/2022

DATE	04/21/2022
DESIGNED BY	M.R.
CHECKED BY	D.T.
IN CHARGE	R.S.

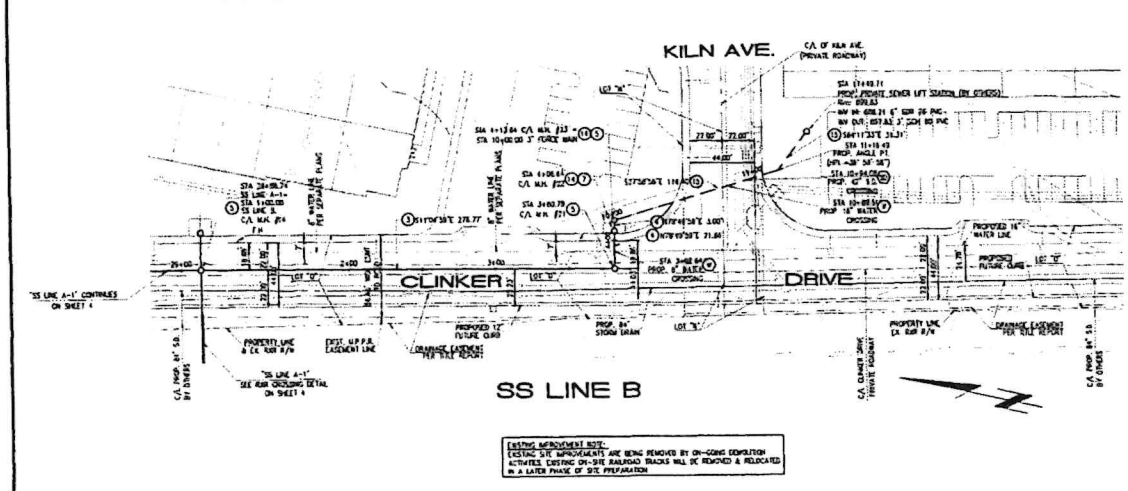
RIBUDOUX COMMUNITY SERVICE DISTRICT  
**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**  
 OF PUBLIC BEYER MAIN - SB LINE A-1  
 STA. 36+00.00 TO STA. 43+16.76

SHEET  
**5**  
 OF 8 SHEETS  
 R.C.S.D. PLAN 1

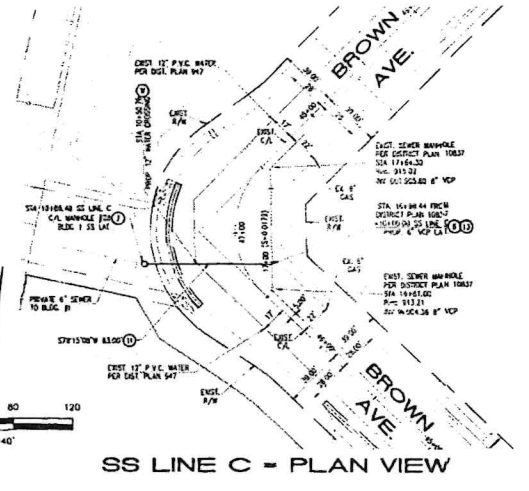


**3" PRIVATE FORCE MAIN FROM BUILDING 5**  
 STA. 10+00.00 3" FORCE MAIN - STA. 4+18.64 SS LINE B

**LINE C PROFILE**  
**BUILDING 1 - 6" SEWER LATERAL**  
 LINE C STA. 10+00.00 - STA. 10+08.44 DISTRICT PLAN 10837



- SEWER CONSTRUCTION NOTES:**
- NOTE: CONSTRUCTION TO VERIFY ALL EXISTING UTILITY DEPT. AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
1. CONSTRUCT 6" DIA. 24" PVC SEWER LINE, TRENCH BROUFLAND AND PAPEMENT REPAIR PER RCSD STD. DNG. CSD (2) OF PAPEMENT DIST.
  2. CONSTRUCT 6" DIA. 24" PVC SEWER LINE, TRENCH BROUFLAND AND PAPEMENT REPAIR PER RCSD STD. DNG. CSD (2) OF PAPEMENT DIST.
  3. CONSTRUCT 6" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RCSD STD. DNG. S2030 AND S2036.
  4. CONSTRUCT SEWER LATERAL PER RCSD STD. DNG. S2030.
  5. CONSTRUCT 4" DIA. PRECAST CONCRETE "SAMPLING" MANHOLE WITH FRAME AND COVER PER RCSD STD. DNG. S2030 AND S2036.
  6. CONSTRUCT 4" DIA. SEWER LATERAL, TRENCH BROUFLAND AND PAPEMENT REPAIR PER RCSD STD. DNG. S2030.
  7. INSTALL LATERAL SADDLE CONNECTION TO EXISTING SEWER MAIN PER RCSD STD. DNG. S2030.
  8. INSTALL MANHOLE POST FOR MANHOLE OUTSIDE OF PAVED AREAS.
  9. 3" DIA. 80' PVC PRIVATE FORCE MAIN FROM BUILDING 5. PRIVATE LEFT STATION (NOT OWNED OR MAINTAINED BY DISTRICT AND WILL BE REVIEWED AND APPROVED BY THE CITY).
  10. 3" DIA. 80' PVC ELBOW FOR PRIVATE FORCE MAIN (NOT OWNED OR MAINTAINED BY DISTRICT AND WILL BE REVIEWED AND APPROVED BY THE CITY).
- CONNECTION TO VERIFY LOCATION AND DEPTH. CLEANINGS BY EXISTING UTILITIES AND ENHANCE SYSTEM AND VERIFY LOCATION OF ANY DISCREPANCIES PRIOR TO ANY CONSTRUCTION.



**SS LINE C - PLAN VIEW**

Underground Services List  
 Call: TOLL FREE  
**1-800-422-4133**

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:

**Ted Beckwith**  
 DATE: \_\_\_\_\_ DIRECTOR OF ENGINEERING, R.C.S.D.

VOID AFTER ONE YEAR FROM THIS DATE

NO.	DATE	REVISIONS



**Tothanes Engineering, Inc.**  
 CIVIL ENGINEERING & LAND SURVEYING  
 10000 W. WASHINGTON AVE., SUITE 100  
 BURBANK, CALIFORNIA 91502-3533  
 TEL: (818) 835-1111 FAX: (818) 835-1112

UNDER THE SUPERVISION OF:  
**Richard Stettin**  
 REG. NO. 36155 DATE: 04/21/2023

SCALE: 1" = 40'

DESIGN	
CHECK	
DRAWN	
INCHARGE	
DATE	

RUBIDOUX COMMUNITY SERVICE DISTRICT  
**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**

6" PUBLIC SEWER LATERAL PLAN & PROFILE - SS LINE B - STA. 1+00.00 TO STA. 4+18.64  
 6" PUBLIC SEWER LATERAL PLAN & PROFILE - SS LINE C - STA. 10+00.00 TO STA. 10+08.44  
 3" FORCE MAIN FROM BLDG 5 - SEWER PLAN & PROFILE - STA. 10+00.00 TO STA. 11+47.71

SHEET  
**6**  
 OF 8 SHEETS  
 A.C.S.D. PLAN 1





# RUBIDOUX COMMUNITY SERVICES DISTRICT

## PARCEL MAP No. 37528

### WATER IMPROVEMENT PLAN

#### PHASE I

#### RUBIDOUX COMMUNITY SERVICE DISTRICT GENERAL CONSTRUCTION NOTES FOR WATER PIPELINES

1. ALL WORK SHALL CONFORM TO THE DESIGN AND CONSTRUCTION STANDARDS OF THE PCSD FOR WATER AND SEWER FACILITIES.
2. WATER SYSTEM SHALL BE CONSTRUCTED BY THE DEVELOPER FOR CONNECTION TO THE RUBIDOUX COMMUNITY SERVICES DISTRICT. CONSTRUCTION MATERIALS, TESTING AND INSPECTION SHALL COMPLY WITH RUBIDOUX COMMUNITY SERVICES DISTRICT STANDARDS. THE INSTALLATION SHALL MEET OR EXCEED THE REQUIREMENTS OF ALL PUBLIC AGENCIES Having JURISDICTION AND THE AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS. FAILURE TO MEET THESE REQUIREMENTS WILL BE CAUSE FOR REJECTION.
3. CONSTRUCTION OF THE WATER SYSTEM SHALL NOT COMMENCE UNTIL A FINAL MAP HAS BEEN RECEIVED BY INDIANOLA COUNTY AND THE DEVELOPER (CHECKED) HAS CERTIFIED THAT ALL STREETS ARE CONSTRUCTED TO FINAL GRADE. WATERLINES SHALL BE INSTALLED AFTER CONSTRUCTION OF CURB & GUTTER, SEWER, STORM DRAIN AND PRIOR TO THE PLACEMENT OF CROSS-CURBS, SIDEWALKS, DRIVEWAYS, AND PAVING.
4. PIPE FITTINGS, VALVES AND APPURTENANCES SHALL BE OF THE PIPE PRESSURE CLASS (NOT W.P. CLASS) SHOWN ON THE PROFILE OF THESE PLANS. (NOTE: CAST IRON FITTINGS SHALL NOT BE ALLOWED)
5. MINIMUM COVER OVER PIPE SHALL BE 42 INCHES WHEN THE WATERLINE ENCOUNTERS AN OBSTRUCTION AND CROSSING OVER THE OBSTRUCTION SHALL RESULT IN LESS THAN 42 INCHES OF COVER OVER THE WATERLINE. THE WATERLINE SHALL CROSS UNDER THE OBSTRUCTION (MIN. 12 INCHES CLEARANCE).
6. CONTRACTOR SHALL PROVIDE TRUCK PROTECTION AND CONDUCT ALL CONSTRUCTION IN ACCORDANCE WITH CAL-02056A. PROTECTORS AND SHALL DETERMINE DEPTH AND LOCATION OF EXISTING UNDERGROUND FACILITIES PRIOR TO EXCAVATION. OPEN TRENCH AT ANY ONE TIME SHALL BE LIMITED TO 300 FEET ALONG ROAD FRONT OF WAY AND SHALL BE BACKFILLED AND COMPACTED AT THE CONCLUSION OF EACH DAY.
7. BROADCAST SHALL BE CONFINED TO THE ORDER OF ONE INCHES HEIGHT, EQUIVALENT TO THE SURROUNDING GROUND, OR TO THE REQUIREMENTS OF THE AGENT Having JURISDICTION, WHICHEVER IS MORE STRINGENT. CONTACT UNDERGROUND SERVICE ALERT (UCS) 877-2840 PRIOR TO ANY EXCAVATION.
8. DEPTH AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHALL BE DETERMINED BY THE CONTRACTOR BY METHODS PRIOR TO TRENCHING. THE CONTRACTOR SHALL ALSO CONTACT UNDERGROUND SERVICE ALERT (UCS) 877-2840 PRIOR TO ANY EXCAVATION.
9. WHERE THE WATER MAIN CROSSES STORM DRAIN, OTHER UTILITIES, TELEPHONE AND ELECTRIC CABLES, OR SIMILAR INSTALLATIONS, A MINIMUM OF 12 INCHES CLEARANCE SHALL BE PROVIDED BETWEEN THE MAIN AND OTHER INSTALLATIONS. SEPARATION OF THE WATER AND SEWER LINES SHALL COMPLY WITH THE INDIANOLA COUNTY HEALTH DEPARTMENT'S STANDARDS AS SHOWN ON INDIANOLA COUNTY STANDARD PLAN 909 AND PCSD STANDARD PLAN 909 AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH.
10. CONNECTION TO THE EXISTING PCSD BENCHMARKS SHALL BE IN ACCORDANCE WITH STANDARD PCSD PROCEDURES AND SHALL NOT BE ACCOMPANIED UNLESS AN PCSD INSPECTOR IS PRESENT. NO CONNECTIONS TO EXISTING PCSD WATERLINES WILL BE ALLOWED ON PRODS.
11. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER OR CONTRACTOR TO APPLY TO THE INDIANOLA COUNTY TRANSPORTATION DEPARTMENT, PERMIT SECTION, FOR AN ENCROACHMENT PERMIT, FOR ALL WORK ON EXISTING COUNTY MAINTAINED ROADS.
12. ALL SERVICE LATERALS SHALL BE LOCATED AT RIGHT ANGLES TO THE MAIN UNLESS OTHERWISE NOTED ON THE PLANS AND APPROVED BY THE PCSD.
13. PIPE SHALL BE HANGULOS 50 AS TO PROTECT THE PIPE AT ALL TIMES AND SHALL BE CAREFULLY REBED TO PROVIDE CONTINUOUS BEARING AND TO PREVENT LATERAL SETTLEMENT PIPE SHALL BE PROTECTED AGAINST FLOODWATER AT ALL TIMES. OPEN DIPS SHALL BE SEALED AT ALL TIMES WHEN CONSTRUCTION IS NOT IN PROGRESS.
14. PIPE JOINTS SHALL NOT BE LOCATED AT ANY POINT GREATER THAN THE MINIMUM COVER RECOMMENDED BY THE PIPE MANUFACTURER. ALL WELDED JOINTS SHALL BE MINIMUM DOUBLE PIPES.
15. TAPS ON PIPELINE SHALL BE INSTALLED PER DISTRICT STANDARDS AND AS APPROVED IN THE FIELD BY THE PCSD INSPECTOR. CONNECTIONS TO EXISTING PCSD PIPELINES SHALL NOT BE ACCOMPANIED UNLESS AN PCSD INSPECTOR IS PRESENT. TAPS MAY BE USED TO MAKE THE CONNECTION AT THE DEVELOPER'S EXPENSE. CONTRACTOR TO VERIFY TAPS WITH HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING WATERLINE PRIOR TO CONSTRUCTION.
16. TEST PRESSURE SHALL BE 150# OF PIPE CLASS RATING (E.G. 150-225 PSI R575). SHALL BE UNDER CONTINUOUS INSPECTION, AND SHALL BE IN ACCORDANCE WITH DISTRICT STANDARD PROCEDURES.
17. SURFACE APPROXIMATIONS SHOWN AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE RECONSTRUCTED BY THE CONTRACTOR TO THE REQUIREMENTS OF THE AGENT Having JURISDICTION.
18. PIPE HEDRAYS AND AIR VALVES TO BE LOCATED PER THE AGENT Having JURISDICTION.
19. WATER METER TO BE LOCATED PER PLAN. ANY RELOCATION SHALL BE APPROVED BY THE PCSD. A "W" SHALL BE IMPRINTED ON THE CURB FACE AT EACH SERVICE LATERAL (UCS) LOCATION.
20. CONTRACTOR SHALL PLACE AND INSTALL 1/4" GA. SOLID CURB LOCATION MARK WITH ALL C-1000 PVC PIPE TO ASSIST WITH FUTURE LOCATION.
21. THE DEVELOPER SHALL PROVIDE ONE SET OF PRINTS SHOWING ALL "3-S-BALL" CONNECTIONS INCLUDING THE STANDING OF SERVICE LATERALS CONNECTIONS AND SHALL ELIMINATE AS A CONDITION OF FINAL APPROVAL.
22. ANY TRENCH TO THESE BENCHMARKS MUST BE APPROVED IN WRITING BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT.
23. THE CONTRACTOR IS ADVISED THAT THE WORK ON THIS PROJECT MAY INVOLVE WORKING IN A CONFINED AIR SPACE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH "CONFINED AIR SPACE" ARTICLE 100, TITLE 8 CALIFORNIA ADMINISTRATIVE CODE.
24. ALL PIPE LARGER THAN 12" IN DIAMETER SHALL BE INSPECTED BY VIDEO CAMERA PRIOR TO BIOLOGICAL, TESTING.
25. CONTRACTOR SHALL MAINTAIN ALL WORK FOR 12 MONTHS AFTER THE DATE OF FINAL INSPECTION.

#### ENGINEERS NOTICE TO CONTRACTORS

THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY PLANS OR STRUCTURES SHOWN ON THESE PLANS HAVE BEEN OBTAINED BY RECORDS. THE CONTRACTOR SHALL MAKE OWN PRECAUTIONS OF THE RECORDED UTILITIES AS WELL AS ANY NOT SHOWN AND SHALL CONTACT ALL AGENCIES AND GRACES BY FIELD INVESTIGATION.

#### BASIS OF BEARING:

THE BASIS OF BEARING FOR THIS SURVEY IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM (CCS) ZONE 8 NORTH AMERICAN DATUM 1983 (NAD83) BASED LOCALLY ON INDIVIDUAL'S OPERATING REFERENCE STATIONS (CORDS) "WELF" AND "WODD" AS SHOWN HEREON (CORDS OF BEARINGS: WELF 08°59'15.2870" W, ALL BEARINGS SHOWN HEREON ARE CORD BEARINGS AND REPRESENTED HEREON BY THE CENTRELINE OF EL WINDY AVENUE BEING NORTH 89°19'51" WEST)

#### BENCH MARK:

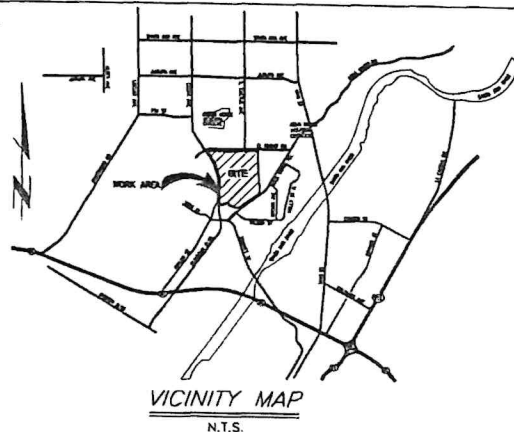
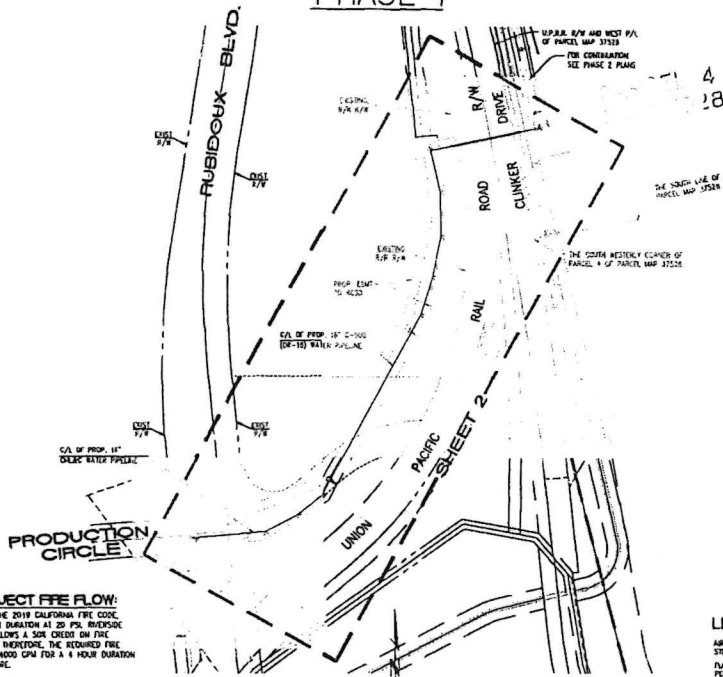
RIVERSIDE BENCHMARK NO. "M.L.-J-64 RESET 1970"  
STANDARD DISK DISK STAMPED "NYS. CO. SURV. M.L.-J-64  
RESET 1970" AT THE "W" INTERSECTION OF MARKET STREET &  
AGUA MANA ROAD 750 FEET NORTH FROM THE INTERSECTION  
ALONG THE CENTERLINE OF AGUA MANA ROAD 75 FEET WEST OF  
THE CENTERLINE OF AGUA MANA ROAD 1/4 FEET EAST OF A 6  
FOOT CHAIN END PIVOT.  
CONSTRUCTION COMPANY: 7 FEET EAST OF A 24 INCH DRAIN SET  
ON TOP OF A 12" x 12" x 1' CONCRETE ROAD WALL.  
ELEVATION = 864.431' (MVD 29' / 1971 ADL)

#### REQUIRED PROJECT FIRE FLOW:

BASED ON APPENDIX B OF THE 2019 CALIFORNIA FIRE CODE, IS 800 GPM FOR A 4 HOUR DURATION AT 20 PSI. RUBIDOUX COUNTY FIRE DEPARTMENT ALLOWS A 50% CREDIT ON FIRE FLOW FOR FIRE SPRINKLERS. THEREFORE, THE REQUIRED FIRE FLOW FOR THIS PROJECT IS 400 GPM FOR A 4 HOUR DURATION AT 20 PSI DESIGN PRESSURE.

FORM DEPARTMENT APPROVAL  
APPROVED BY THE INDIANOLA COUNTY FIRE DEPARTMENT

**Mikki Sherry**  
Fire Department Chief  
Signature of Fire Agency TITLE DATE



#### ENCASEMENT REQUIREMENTS IN UNION PACIFIC RIGHT OF WAY:

1. ALL UNDERGROUND CROSSINGS, SINGLE DUCTS OR PIPES 4" OR GREATER IN DIAMETER SHALL BE ENCASED. INSTALLATION OF MULTIPLE DUCTS OR PIPES, REGARDLESS OF DIAMETERS, SHALL REQUIRE ENCASEMENT.
2. THE MINIMUM WALL THICKNESS REQUIRED FOR STEEL ENCASEMENTS IS BASED ON LENGTHS AND DIAMETERS OF PIPES.
3. ENCASEMENT ENDS SHALL BE PLACED WITH UN-CROUCHED BRICKS OF OTHER SUITABLE MATERIAL, APPROVED BY THE U.P.R.R. REPRESENTATIVE.
4. THE UNION PACIFIC REPRESENTATIVE MAY REQUIRE THE FIREWALL TO PRESSURE GRADE, FILLING ANY VOID GENERATED BY THE COURSE OF THE EXISTING WORK. ENCASEMENT SHALL BE AT THE EXPOSURE OF THE FIREWALL. CURVE WALLS MUST BE PLACED INSIDE OF THE PIPE, ESPECIALLY ON CURVES OF 30' OR GREATER. SHALL BE ON 8' CENTERS, LONGITUDINALLY AND OFFSET 22 DEGREES FROM VERTICAL AND STAGGED TO THE LEFT AND RIGHT OF THE TOP LONGITUDINAL AXIS OF THE PIPE. CURVE PRESSURE SHALL NOT EXCEED 3 PSI FOR A CURVE RADIUS SUFFICIENT TO FULL ALL VOIDS.
5. THERE IS A SPACING REQUIREMENT WHEN PLACEMENT OF MULTIPLE ENCASEMENTS IS REQUESTED. THE DISTANCE BETWEEN MULTIPLE ENCASEMENTS SHALL BE THE GREATER OF EITHER 24" OR TWICE THAT OF THE DIAMETER OF THE LARGER PIPE BEING INSTALLED.
6. WIRE CUTTERS BROWN USED ONLY A MAXIMUM OF 1" IN DIAMETER TO THE OUTSIDE DIAMETER OF THE ENCASEMENT PIPE. MOST IN EXCESS OF THE STANDARD SPECIFICATIONS SHALL BE GROUDED.
7. A HOLE WELDED TO THE LAGGING EDGE OF THE ENCASEMENT PIPE SHOULD BE PLACED SQUARE TO THE ALIGNMENT AND NOT ON THE BOTTOM EDGE OF PIPE. A FLANGED LUG SECTION ON BORES OVER 100" SHALL NOT BE PERMITTED.
8. THE LENGTH OF THE ANCHOR STRAP SHALL BE EQUAL TO THAT OF THE SECTION OF ENCASEMENT PIPE.
9. ENCASEMENTS PLACED WITH CONventional MATERIAL SHALL BE 30" IN DIAMETER. THE END OF THE POWER SHOULDER, BACK OF CURB, OR TO THE HIGHWAY RIGHT OF WAY CURB.
10. ENCASEMENT PLACED ACROSS CONTROLLED ACCESS ROADS OF WAT SHALL EXTEND TO THE HIGHWAY RIGHT OF WAY LINES.

#### WATER CONSTRUCTION NOTES:

NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY WERTS AND LOCATIONS. DIMENSIONS OF RECORD SHALL BE MODIFIED IF ANY DISCREPANCIES.

1. 18" HOT DIP EXISTING 24" CHLORAL WATER MAIN WITH 18" FLANGED OUTLET AND 18" GASK VAVE PER PCSD STD. DMC. W1200. FULLY WELDED RESTRAINED JOINTS PER PCSD STD. DMC. W1100. TRENCH AND BACKFILL PER PCSD STD. DMC. W100.
2. 18" CASTLE IRON BUTTFLY VALVE PER PCSD STD. DMC. W1300. 3 DA
3. INSTALL 18" PVC C-900 (80-18) WATER MAIN PER PCSD STANDARDS. JOINTS AND RESTRAINED TRANSITION COUPLERS TO GO FROM PVC TO STEEL. BACKFILL PER PCSD STD. DMC. W1100. 558 LF
4. INSTALL 6" CONCRETE FIBRE HYDRANT PER PCSD STD. DMC. W1060. 3 DA
5. INSTALL 18" 18" DUCTILE IRON (CLASS 3500) 90' ELBOW WITH THRUST BLOCK PER PCSD STD. DMC. C40. 2 DA
6. INSTALL 2" AIR VALVE PER PCSD STD. DMC. W1070. 2 DA
7. JACK AND BORE FOR UNION PACIFIC RAILROAD SPECIFICATIONS. INSTALL 18" WATER MAIN ASS (8.25" THICK) WATER MAIN PER PCSD STANDARDS. WELDED JOINTS AND RESTRAINED TRANSITION COUPLERS TO GO FROM PVC TO STEEL WITH 3/8" DIA. (0.25" WALL THICKNESS) STEEL PIPE CASING PER UNION PACIFIC RAILROAD SPECIFICATIONS. SEE ENCASEMENT REQUIREMENTS ON SHEET 1. 118 LF
8. INSTALL 18" RESTRAINED BIRD FLANGE PER PCSD STD. DMC. W1240. 1 DA
9. INSTALL 2" DOMESTIC WATER SERVICE, METER AND METER BOX PER PCSD STD. DMC. W1110. 1 DA
10. INSTALL 18" CHLORAL (18 DA) WATER MAIN WITH FULLY WELDED RESTRAINED JOINTS PER PCSD STD. DMC. W1140. TRENCH AND BACKFILL PER PCSD STD. 125 LF
11. INSTALL 18" 18" DUCTILE IRON (CLASS 3500) 110' ELBOW WITH THRUST BLOCK PER PCSD STD. DMC. C40. 4 DA
12. INSTALL 18" 18" DUCTILE IRON (CLASS 3500) 90' ELBOW WITH THRUST BLOCK PER PCSD STD. DMC. C40. 3 DA
13. PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 3. 489 LF

#### LEGEND

- AW MAIN ASS. PER PCSD STD. DMC. W1100  
18" CHLORAL WATER MAIN WITH FULLY WELDED RESTRAINED JOINTS PER PCSD STD. DMC. W1100  
18" CASTLE IRON BUTTFLY VALVE PER PCSD STD. DMC. W1300  
18" CONCRETE FIBRE HYDRANT PER PCSD STD. DMC. W1060  
18" DOMESTIC WATER SERVICE, METER AND METER BOX PER PCSD STD. DMC. W1110  
18" CHLORAL (18 DA) WATER MAIN WITH FULLY WELDED RESTRAINED JOINTS PER PCSD STD. DMC. W1140  
18" RESTRAINED BIRD FLANGE PER PCSD STD. DMC. W1240  
2" AIR VALVE PER PCSD STD. DMC. W1070  
2" DOMESTIC WATER SERVICE, METER AND METER BOX PER PCSD STD. DMC. W1110  
2" CHLORAL (18 DA) WATER MAIN WITH FULLY WELDED RESTRAINED JOINTS PER PCSD STD. DMC. W1140  
2" RESTRAINED BIRD FLANGE PER PCSD STD. DMC. W1240  
2" DOMESTIC WATER SERVICE, METER AND METER BOX PER PCSD STD. DMC. W1110

#### INDEX MAP

SCALE: 1"=100'

#### ABBREVIATIONS

- B - PROPERTY LINE  
R/W - RIGHT OF WAY  
C.D. - CENTERLINE  
T.C. - TOP OF CURB  
F.L. - FINISH LINE  
F.S. - FINISH SURFACE  
T.S. - TOP OF CONCRETE SLAB  
H.P. - HIGH POINT  
F.P. - FINISH FLOOR  
R.O.P. - ROOF DRAIN  
R.C.P. - REINFORCED CONC. PIPE  
W.P. - WATER  
S. - SLOPE  
E.G. - EARTH GRADE  
S.D. - STORM DRAIN  
S.L. - STREET LIGHT  
C.B. - CURB BREAK  
H.P. - HIGH POINT  
C.F. - CURB FACE  
B.W. - BACK OF WALK  
A.B. - AGGREGATE BASE  
P.W.C. - POLYETHYLENE GRADE  
C.I.P. - CAST IRON PIPE  
F.H. - FIRE HYDRANT  
P.P. - POWER POLE  
C.B. - CATCH BASIN  
H. - HATE OF GRADE
- B.C.R. - BEGINNING OF CURVE  
E.C.P. - END OF CURVE  
I.P. - LOW POINT  
T.O.P. - TOP OF PIPE  
B.O.P. - BOTTOM OF PIPE  
R. - RATE OF GRADE  
T.F. - TOP OF FINISHING  
I.W. - INVERT ELEVATION  
C.M.B. - CURB MOUNTING BASE  
S.T. - SQUARE FEET  
F.I. - FINISH ELEVATION  
B.O.W. - BOTTOM OF WALL  
H.C. - HORIZONTAL  
N.E. - NATIONAL GRADE  
D.I.P. - DUCTILE IRON PIPE  
A.P.L. - ALTERNATE POINT OF INFLECTION  
V.P.I. - VERTICAL POINT OF INFLECTION  
PROP. - PROPOSED  
EXIST. - EXISTING  
CONSTR. - CONSTRUCTION  
SCHEDULE - SCHEDULE  
PCSD - RUBIDOUX COMMUNITY SERVICES DISTRICT  
E.H. - EXISTING HYDRANT  
D.W.S. - DOMESTIC WATER SERVICE  
BUILDING - BUILDING  
M.H. - MANHOLE  
T.B. - TOP OF BERM  
W.S.E. - WATER SERVICE ELEVATION

CITY OF JUPITER VALLEY  
ENGINEERING DEPARTMENT

**Octavio Duran Jr**  
Digitally signed by Octavio Duran Jr  
Date: 2022.08.06  
08:40:18 -0700'

PAUL TOOR, CITY ENGINEER DATE  
REC: 46281

**48 hours BEFORE excavation**  
**(800) 227-2600**  
**CALL Underground Service Alert**

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PAR. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER MAINS WATER PLANS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE ANCHOR SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE INSTALLED TO SHOW UP BY GRADE TO THE PARCELS OF THE PARCEL MAP. THE DESIGNER HAS CONDUCTED A VISUAL SURVEY OF THE PROJECT AND HAS BEEN ADVISED BY THE PROPERTY OWNER OF THE LOCATION OF ALL EXISTING UTILITIES, FIELDS, OR PREVIOUSLY LOCATED UTILITIES, AND HAS BEEN ADVISED OF ANY OTHER UTILITIES, FIELDS, OR PREVIOUSLY LOCATED UTILITIES.

DATE	REVISIONS	DATE	BY

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION

**Octavio Duran Jr**  
Digitally signed by Octavio Duran Jr  
Date: 2022.08.06  
08:40:18 -0700'



**Tai Thienes Engineering, Inc.**  
CIVIL ENGINEERING & LAND SURVEYING  
14348 FIRESTONE BOULEVARD  
LA HABRA, CALIFORNIA 90638  
(714) 492-1411 FAX (714) 492-1111

APPROVED BY: **[Signature]**  
REGISTERED ENGINEER No. 28153 DATE: 12/12/22

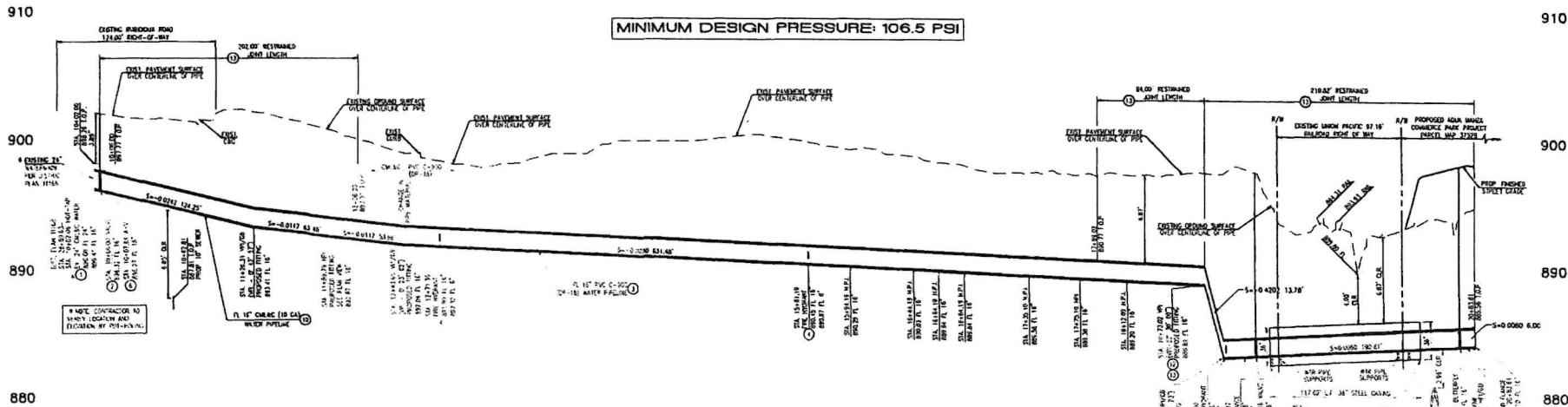
SCALE	AS NOTED
FIELD BOOK	
DESIGN	M.R.
DRAWN	D.T.
CHECKED	R.S.

**RUBIDOUX COMMUNITY SERVICES DISTRICT**

**WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528**

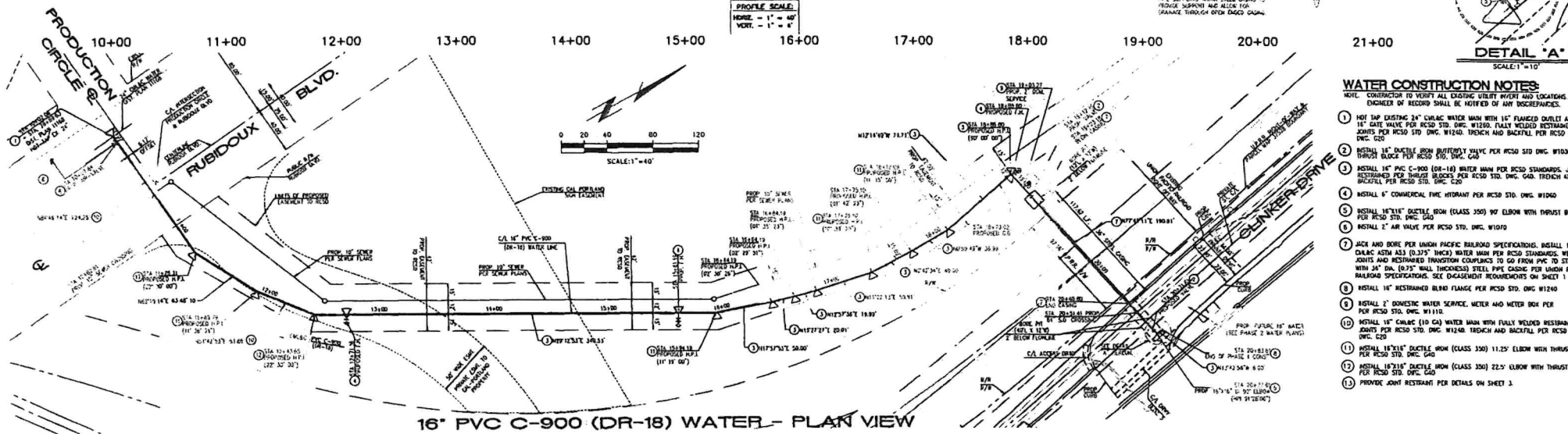
**PHASE I  
TITLE SHEET**

SHEET **1**  
OF 8 SHEETS  
R.C.S.D. PLAN 1



16" PVC C-900 (DR-18) WATER PROFILE

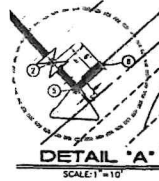
PROFILE SCALE:  
HORIZ. 1" = 40'  
VERT. 1" = 4'



16" PVC C-900 (DR-18) WATER - PLAN VIEW

**WATER CONSTRUCTION NOTES:**

1. HOT TAP EXISTING 24" CHLORAC WATER MAIN WITH 18" FLANGED OUTLET AND 18" GATE VALVE PER RCSI STD. DWG. W1240. TRENCH AND BACKFILL PER RCSI ST. DWG. C20.
2. INSTALL 18" DUCTILE IRON BUTTERFLY VALVE PER RCSI STD. DWG. W1230 THROUST BLOCK PER RCSI STD. DWG. G40. TRENCH AND BACKFILL PER RCSI STD. DWG. C20.
3. INSTALL 18" PVC C-900 (DR-18) WATER MAIN PER RCSI STANDARDS. JOB RESTRAINED PER THROUST BLOCKS PER RCSI STD. DWG. G40. TRENCH AND BACKFILL PER RCSI STD. DWG. C20.
4. INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCSI STD. DWG. W1240.
5. INSTALL 18"x18" DUCTILE IRON (CLASS 350) 90° ELBOW WITH THROUST BLD PER RCSI STD. DWG. G40.
6. INSTALL 2" AIR VALVE PER RCSI STD. DWG. W1210.
7. JACK AND BORE PER UNION PACIFIC RAILROAD SPECIFICATIONS. INSTALL 18" CHLORAC ADS (0.215" THICK) WATER MAIN PER RCSI STANDARDS. WELD JOINTS AND RESTRAINED TRANSITION COMPLIANCE TO GO FROM PVC TO STEEL WITH 34" DIA. (0.23" WALL THICKNESS) STEEL PIPE CASING PER UNION PAC RAILROAD SPECIFICATIONS. SEE DIMENSION REQUIREMENTS ON SHEET 1.
8. INSTALL 18" RESTRAINED BLIND FLANGE PER RCSI STD. DWG. W1240.
9. INSTALL 2" DOMESTIC WATER SERVICE, METER AND METER BOX PER RCSI STD. DWG. W1110.
10. INSTALL 18" CHLORAC (10 C4) WATER MAIN WITH FULLY WELDED RESTRAINED JOINTS PER RCSI STD. DWG. W1240. TRENCH AND BACKFILL PER RCSI ST. DWG. C20.
11. INSTALL 18"x18" DUCTILE IRON (CLASS 350) 11.25° ELBOW WITH THROUST PER RCSI STD. DWG. G40.
12. INSTALL 18"x18" DUCTILE IRON (CLASS 350) 22.5° ELBOW WITH THROUST B PER RCSI STD. DWG. G40.
13. PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 3.



48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

A CLAIMANT HAS THE DESIGN OF THE WATER SYSTEM FOR P.M. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM WATER PARTS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE CONNECTION AND DISTRIBUTION SYSTEM WILL BE ACCORDING TO THE WATER MAINS AND TO THE FACILITIES OF THE DISTRICT. THE DISTRICT DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION PROVIDED HEREIN. THE DISTRICT DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION PROVIDED HEREIN. THE DISTRICT DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION PROVIDED HEREIN.

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:  
DATE: 11/13/21  
PROJECT: WATER MAINS IMPROVEMENT PROJECT

NO.	REVISIONS	DATE	BY

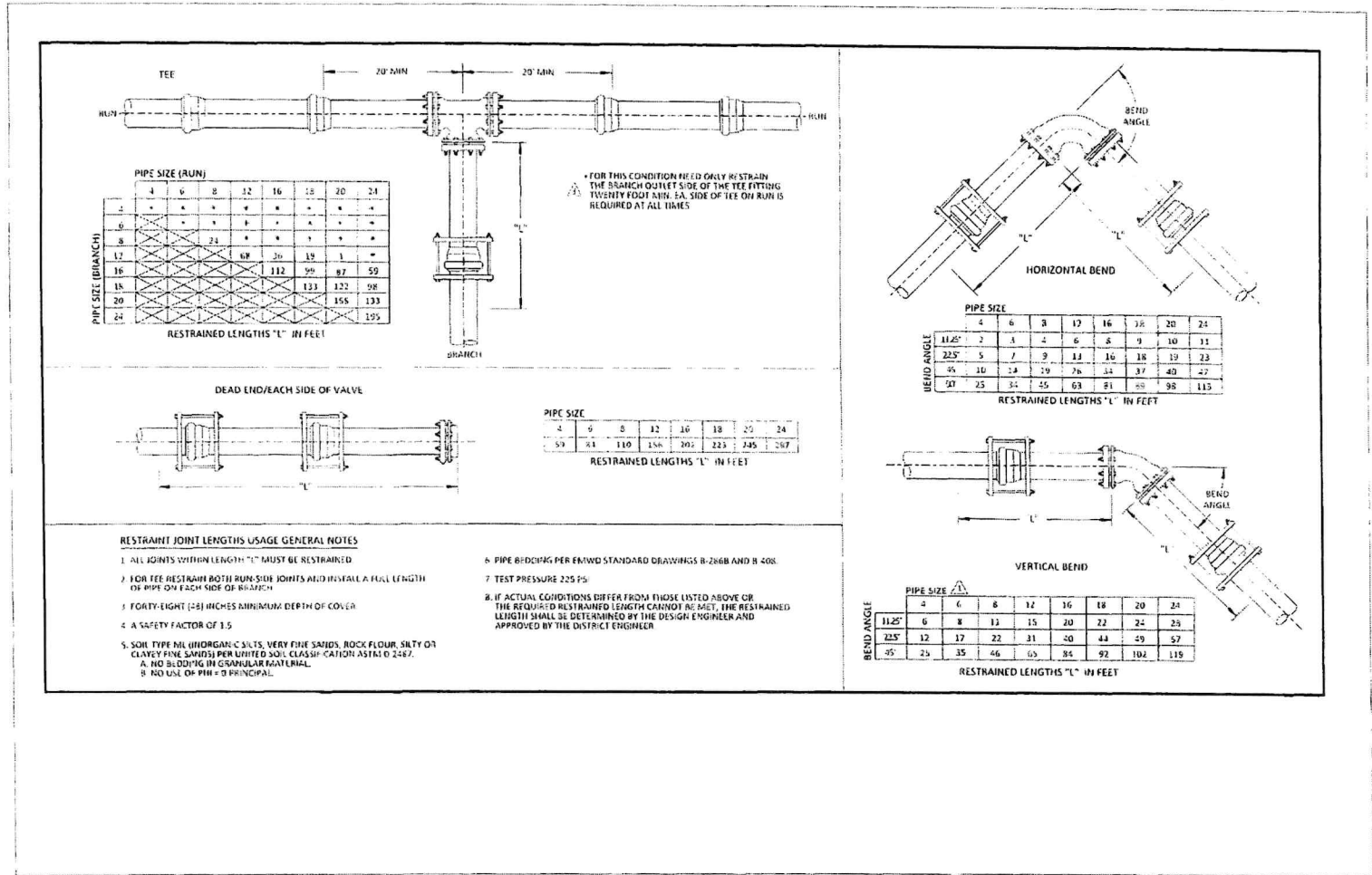


**Thienes Engineering, Inc.**  
CIVIL ENGINEERING & LAND SURVEYING  
14349 FIRESTONE BOULEVARD  
LA BUREAU, CALIFORNIA 90045  
PH: (402) 481-1811 FAX: (402) 481-1111  
APPROVED BY: [Signature]  
REGISTERED ENGINEER NO. 28152 DATE: 11/13/21

SCALE	AS NOTED
FIELD BOOK	
DESIGN	M.R.
DRAWN	D.T.
CHECKED	R.S.

RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
PLAN AND PROFILE  
FROM STA 10+00.00 TO STA 20+83.61

SHEET  
**2**  
OF 5 SHEET  
R.C.S.O. PLAN  
DATE: 11/13/21



ALL VALVES SHOULD BE RESTRAINED ON EACH SIDE AS IF THEY WERE DEAD ENDS (SEE ABOVE)

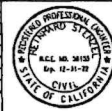


48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P.M. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM WATER MAINS OF THE DISTRICT COMPANY SERVICES DISTRICT AND THAT THE WATER SERVICE DISTRICT AND DISTRICT COMPANY WILL BE ADVISED TO CHECK AND REVISIONS TO THIS PLAN SHALL BE MADE TO THE DISTRICT ENGINEER'S OFFICE. THIS IS NOT TO BE CONSIDERED AS A GUARANTEE OF ANY KIND. THE DISTRICT ENGINEER'S OFFICE SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE WATER MAINS AND SERVICE LINES. THE DISTRICT ENGINEER'S OFFICE SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE WATER MAINS AND SERVICE LINES. THE DISTRICT ENGINEER'S OFFICE SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE WATER MAINS AND SERVICE LINES.

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT ENGINEER  
DATE: 1/13/22  
VOID AFTER ONE YEAR FROM THIS DATE

SYN	REVISIONS	DATE	BY



**Thienes Engineering, Inc.**  
CIVIL ENGINEERING & LAND SURVEYING  
14349 FIRESTONE BOULEVARD  
LA BORDA, CALIFORNIA 90530  
PH: (949) 881-7800 FAX: (949) 881-7801  
APPROVED BY: [Signature]  
REGISTERED ENGINEER No. 36132 DATE: 1/13/22

SCALE: AS NOTED  
FIELD BOOK  
DESIGN: M.R.  
DRAWN: D.T.  
CHECKED: R.S.

RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
RESTRAINED JOINT  
LENGTH DETAILS

SHEET  
**3**  
OF 9 SHEETS  
R.C.S.D. PLAN



License Agreement  
 License No. 2012-01

Licensee:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's Name:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's Address:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's Phone:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's Email:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's License No.:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's License Expiration Date:  
 Union Pacific Railroad  
 License No. 2012-01

**Telecommunications (Call before you dig) 1-800-338-9193**  
 An authorized licensee of the utility shall be responsible for determining the location of all underground utilities within the proposed excavation area. The licensee shall be responsible for obtaining all necessary permits from the appropriate governmental agencies. The licensee shall be responsible for obtaining all necessary permits from the appropriate governmental agencies. The licensee shall be responsible for obtaining all necessary permits from the appropriate governmental agencies.

Licensee's Name: Union Pacific Railroad  
 Licensee's License No.: 2012-01

Licensee's Name: Union Pacific Railroad  
 Licensee's License No.: 2012-01

**Article 10. UTILITIES**  
 Any person or entity who is authorized by a utility to excavate shall be responsible for determining the location of all underground utilities within the proposed excavation area. The licensee shall be responsible for obtaining all necessary permits from the appropriate governmental agencies.

**Article 11. NOTICES**  
 Licensee shall provide written notice to the licensee at least 48 hours before the start of any excavation work. The licensee shall be responsible for obtaining all necessary permits from the appropriate governmental agencies.

Licensee's Name: Union Pacific Railroad  
 Licensee's License No.: 2012-01

**Article 12. SPECIAL PROVISIONS, CONSTRUCTION OBSERVATION**  
 Licensee shall provide written notice to the licensee at least 48 hours before the start of any excavation work. The licensee shall be responsible for obtaining all necessary permits from the appropriate governmental agencies.

Licensee's Name: Union Pacific Railroad  
 Licensee's License No.: 2012-01

License Agreement  
 License No. 2012-01

Licensee:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's Name:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's Address:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's Phone:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's Email:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's License No.:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's License Expiration Date:  
 Union Pacific Railroad  
 License No. 2012-01

License Agreement  
 License No. 2012-01

Licensee:  
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 License No. 2012-01

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 License No. 2012-01

Licensee's License No.:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's License Expiration Date:  
 Union Pacific Railroad  
 License No. 2012-01

License Agreement  
 License No. 2012-01

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 Union Pacific Railroad  
 License No. 2012-01

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 License No. 2012-01

Licensee's License Expiration Date:  
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 License No. 2012-01

License Agreement  
 License No. 2012-01

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 License No. 2012-01

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 License No. 2012-01

Licensee's License No.:  
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 License No. 2012-01

Licensee's License Expiration Date:  
 Union Pacific Railroad  
 License No. 2012-01

License Agreement  
 License No. 2012-01

Licensee:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's Name:  
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 License No. 2012-01

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 License No. 2012-01

Licensee's License No.:  
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 License No. 2012-01

Licensee's License Expiration Date:  
 Union Pacific Railroad  
 License No. 2012-01

License Agreement  
 License No. 2012-01

Licensee:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's Name:  
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 License No. 2012-01

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 License No. 2012-01

Licensee's Phone:  
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 License No. 2012-01

Licensee's Email:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's License No.:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's License Expiration Date:  
 Union Pacific Railroad  
 License No. 2012-01

**PIPELINE CROSSING AGREEMENT**  
 Licensee's Name: Union Pacific Railroad  
 Licensee's License No.: 2012-01

**THIS AGREEMENT (Agreement)** is made and entered into as of November 14, 2012, by and between UNION PACIFIC RAILROAD COMPANY, a Delaware corporation ("UPRR") and RIBIDOUX COMMUNITY SERVICES DISTRICT, to be addressed at 15100 Rockwell Blvd., Arroyo Valley, California, 94597 ("Licensee").

**IT IS MUTUALLY AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:**

**Article 1. LICENSE GRANTS RULE**  
 Licensee hereby grants and warrants that Licensee's engineer will be solely responsible for the design, construction and maintenance of the pipeline crossing and for the safety of the pipeline crossing. Licensee shall be responsible for obtaining all necessary permits from the appropriate governmental agencies.

**Article 2. LICENSE FEE**  
 Licensee shall pay to Licensee the sum of One Thousand Two Hundred Fifty Dollars (\$1,250.00) for the use of the pipeline crossing.

**Article 3. TERM**  
 This Agreement shall be in full force and effect from the date of execution hereof until the date of termination as provided in the "TERMINATION, REMOVAL OF LICENSE" SECTION of Article 8.

**Article 4. LICENSEE'S COMPLIANCE WITH GENERAL LAWS**  
 Licensee shall be responsible for obtaining all necessary permits from the appropriate governmental agencies.

**Article 5. INSURANCE**  
 Licensee shall be responsible for obtaining all necessary permits from the appropriate governmental agencies.

**Article 6. ASSIGNMENT OF LICENSE**  
 Licensee shall be responsible for obtaining all necessary permits from the appropriate governmental agencies.

**Article 7. ALLOWANCE OF USE, INTERFERE, AND CONFLICTS**  
 Licensee shall be responsible for obtaining all necessary permits from the appropriate governmental agencies.

**Article 8. WAIVER OF BREACH**  
 Licensee shall be responsible for obtaining all necessary permits from the appropriate governmental agencies.

**Article 9. ASSIGNMENT**  
 Licensee shall be responsible for obtaining all necessary permits from the appropriate governmental agencies.

Licensee's Name: Union Pacific Railroad  
 Licensee's License No.: 2012-01

License Agreement  
 License No. 2012-01

Licensee:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's Name:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's Address:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's Phone:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's Email:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's License No.:  
 Union Pacific Railroad  
 License No. 2012-01

Licensee's License Expiration Date:  
 Union Pacific Railroad  
 License No. 2012-01

**Article 6. LICENSEE'S COMPLIANCE WITH GENERAL LAWS**  
 Licensee shall be responsible for obtaining all necessary permits from the appropriate governmental agencies.

**Article 5. INSURANCE**  
 Licensee shall be responsible for obtaining all necessary permits from the appropriate governmental agencies.

**Article 4. ASSIGNMENT OF LICENSE**  
 Licensee shall be responsible for obtaining all necessary permits from the appropriate governmental agencies.

**Article 3. ALLOWANCE OF USE, INTERFERE, AND CONFLICTS**  
 Licensee shall be responsible for obtaining all necessary permits from the appropriate governmental agencies.

**Article 2. WAIVER OF BREACH**  
 Licensee shall be responsible for obtaining all necessary permits from the appropriate governmental agencies.

**Article 1. ASSIGNMENT**  
 Licensee shall be responsible for obtaining all necessary permits from the appropriate governmental agencies.

**Article 4. LICENSEE'S COMPLIANCE WITH GENERAL LAWS**  
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**Article 5. INSURANCE**  
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**Article 6. ASSIGNMENT OF LICENSE**  
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**Article 7. ALLOWANCE OF USE, INTERFERE, AND CONFLICTS**  
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**Article 8. WAIVER OF BREACH**  
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**Article 9. ASSIGNMENT**  
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**Article 7. ALLOWANCE OF USE, INTERFERE, AND CONFLICTS**  
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**Article 8. WAIVER OF BREACH**  
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**Article 9. ASSIGNMENT**  
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**Article 8. WAIVER OF BREACH**  
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**Article 9. ASSIGNMENT**  
 Licensee shall be responsible for obtaining all necessary permits from the appropriate governmental agencies.

**Article 9. ASSIGNMENT**  
 Licensee shall be responsible for obtaining all necessary permits from the appropriate governmental agencies.

48 hours BEFORE excavation  
 (800) 227-2600  
 CALL Underground Service Alert

APPROVED BY THE CHIEF ENGINEER/ENGINEER-IN-CHARGE  
 DATE: 11/14/12  
 SIGNATURE: [Signature]  
 TITLE: CHIEF ENGINEER/ENGINEER-IN-CHARGE

NO.	SYMBOL	REVISIONS	DATE	BY



**Tai Thienes Engineering, Inc.**  
 CIVIL ENGINEERING & LAND SURVEYING  
 14349 FIRESTONE BOULEVARD  
 LA BREA, CALIFORNIA 90038  
 (818) 251-1111 FAX (818) 251-1112

APPROVED BY: [Signature]  
 REGISTERED ENGINEER NO. 58112 DATE: 11/14/12

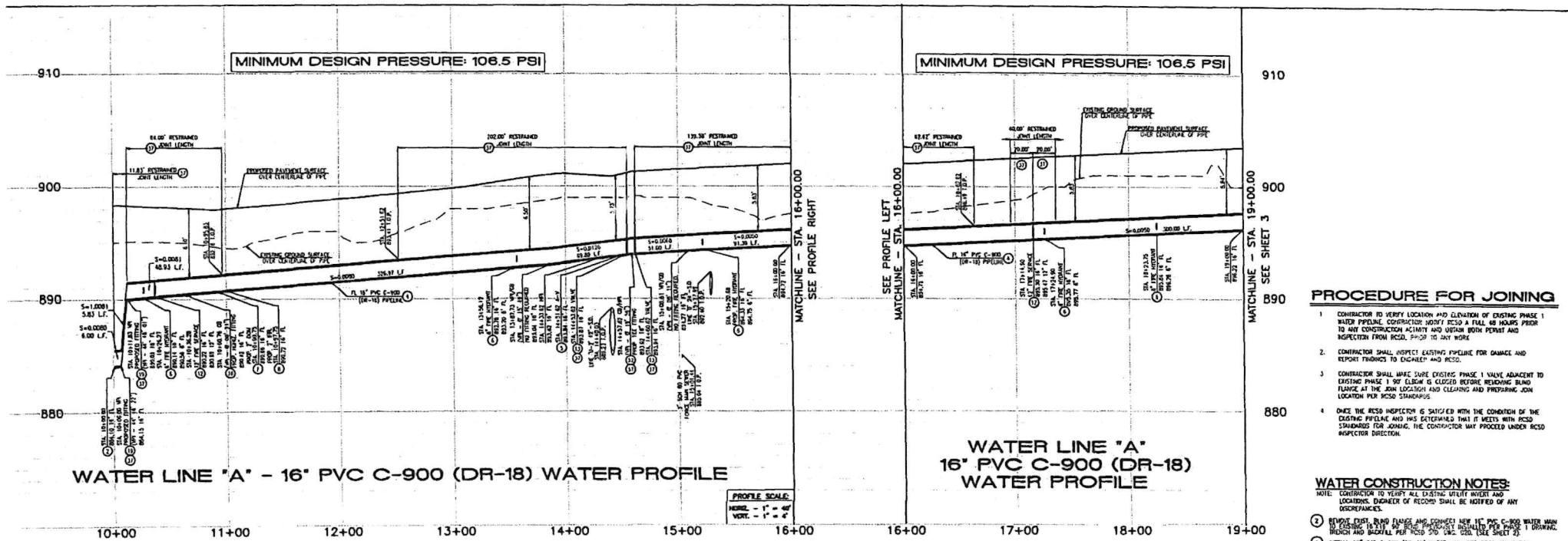
SCALE: AS NOTED  
 FIELD BOOK: \_\_\_\_\_  
 DESIGN: M.R.  
 DRAWN: D.T.  
 CHECKED: R.S.

**RIBIDOUX COMMUNITY SERVICES DISTRICT**  
 WATER IMPROVEMENT PLAN FOR  
 PARCEL MAP NO. 37528  
**LICENSE AGREEMENT**  
 UNION PACIFIC RAIL ROAD

SHEET 4  
 OF 8 SHEETS  
 R.C.S.D. PLAN







**WATER LINE "A" - 16" PVC C-900 (DR-18) WATER PROFILE**

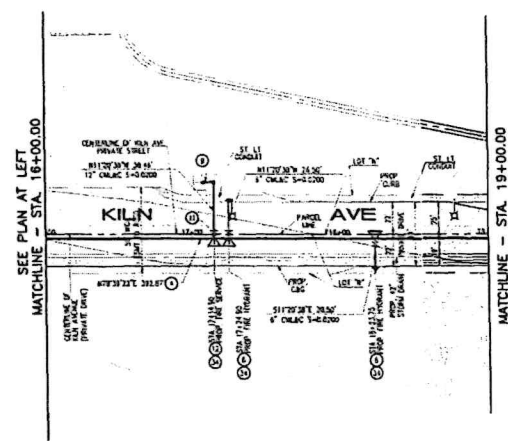
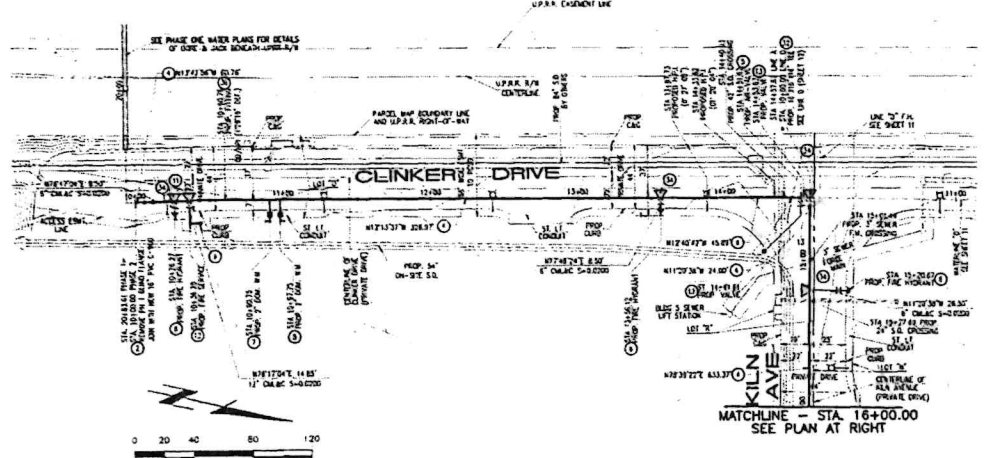
**WATER LINE "A" - 16" PVC C-900 (DR-18) WATER PROFILE**

**PROCEDURE FOR JOINING**


- CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING PHASE 1 WATER PIPELINE. COORDINATION SHOULD BE MADE 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY AND OBTAIN BOTH PERMIT AND INSPECTION FROM RCSD. P-1030 TO ANY WORK.
- CONTRACTOR SHALL INSPECT EXISTING PIPELINE FOR DAMAGE AND REPORT FINDINGS TO ENGINEER AND RCSD.
- CONTRACTOR SHALL MAKE SURE EXISTING PHASE 1 VALVE ADJACENT TO EXISTING PHASE 1 90° ELBOW IS CLOSED BEFORE REMOVING BLIND FLANGE AT THE JOIN LOCATION AND CLEANING AND PREPARING JOIN LOCATION PER RCSD STANDARDS.
- ONCE THE RCSD INSPECTOR IS SATISFIED WITH THE CONDITION OF THE EXISTING PIPELINE AND HAS DETERMINED THAT IT MEETS WITH RCSD STANDARDS FOR JOINING, THE CONTRACTOR MAY PROCEED UNDER RCSD INSPECTOR DIRECTION.

**WATER CONSTRUCTION NOTES:**

- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY INVERT AND LOCATIONS. DIMENSION OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- REMOVE EXIST. BLIND FLANGE AND CONNECT NEW 16" PVC C-900 WATER MAIN TO EXISTING 16" PVC C-900 WATER MAIN. 16" PVC C-900 SHALL BE INSTALLED PER PHASE 1 DRAWING, BENCH AND BACKFILL PER RCSD STD. DWG. 11130.
  - INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER RCSD STANDARDS, WITH THROUST BLOCK RESTRAINT PER RCSD STD. DWG. 440. TRENCH AND BACKFILL PER RCSD STD. DWG. 430.
  - INSTALL 2" AIR VALVE ASSEMBLY PER RCSD STD. DWG. W1100.
  - INSTALL 4" COMMERCIAL FIRE HYDRANT PER RCSD STD. DWG. W1060.
  - INSTALL 2" DOMESTIC WATER SERVICE, METER AND METER BOX (COMPLETE) PER RCSD STD. DWG. W1110 & 2" BACKFLOW PER RCSD STD. DWG. W1120.
  - INSTALL 2" IRRIGATION WATER SERVICE, METER AND METER BOX (COMPLETE) PER RCSD STD. DWG. W1110 & 2" BACKFLOW PER RCSD STD. DWG. W1120.
  - INSTALL 18" CONCRETE DEFLECTOR ASSEMBLY PER RCSD STD. DWG. W1140 MODIFIED WITH 12" PP-RPC, FITTINGS AND APPURTEANCES.
  - INSTALL 18"X18"X12" (CLASS 350 DUCTILE IRON) FULLY FLANGED TEE.
  - INSTALL 12" FIRE SERVICE.
  - INSTALL 18" BUTTERFLY VALVE PER RCSD STD. DWG. W1040.
  - INSTALL 18" (CLASS 350 D.I.) 45° ELBOW (FITTING PER RCSD STANDARDS).
  - INSTALL 16"X16"X18" (CLASS 350 DUCTILE IRON) TEE.
  - INSTALL THROUST BLOCK RESTRAINT PER RCSD STD. DWG. 440.
  - PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.

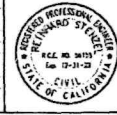


**WATER LINE "A" - 16" PVC C-900 (DR-18) WATER PLAN VIEWS**

 48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PAR. NO. 37528 IS IN ACCORDANCE WITH THE WATER SYSTEM IMPROVEMENT PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE ADEQUATE TO SUPPLY WATER SERVICE TO SAID PARCELS OF SAID PARCEL AND ANY OTHER PARCELS, FLOOR, OR PREMISES ON THE PROPERTY, SAID PARCEL NO. 37528. I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF CALIFORNIA. My Registration No. is 44254. I have prepared and submitted this plan to the Director of Engineering, RCSD. I have not been convicted of any crime involving dishonesty or fraud.

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:  
DIRECTOR OF ENGINEERING  
DATE: 07/11/23  
RCE 48288  
VOID AFTER ONE YEAR FROM THIS DATE

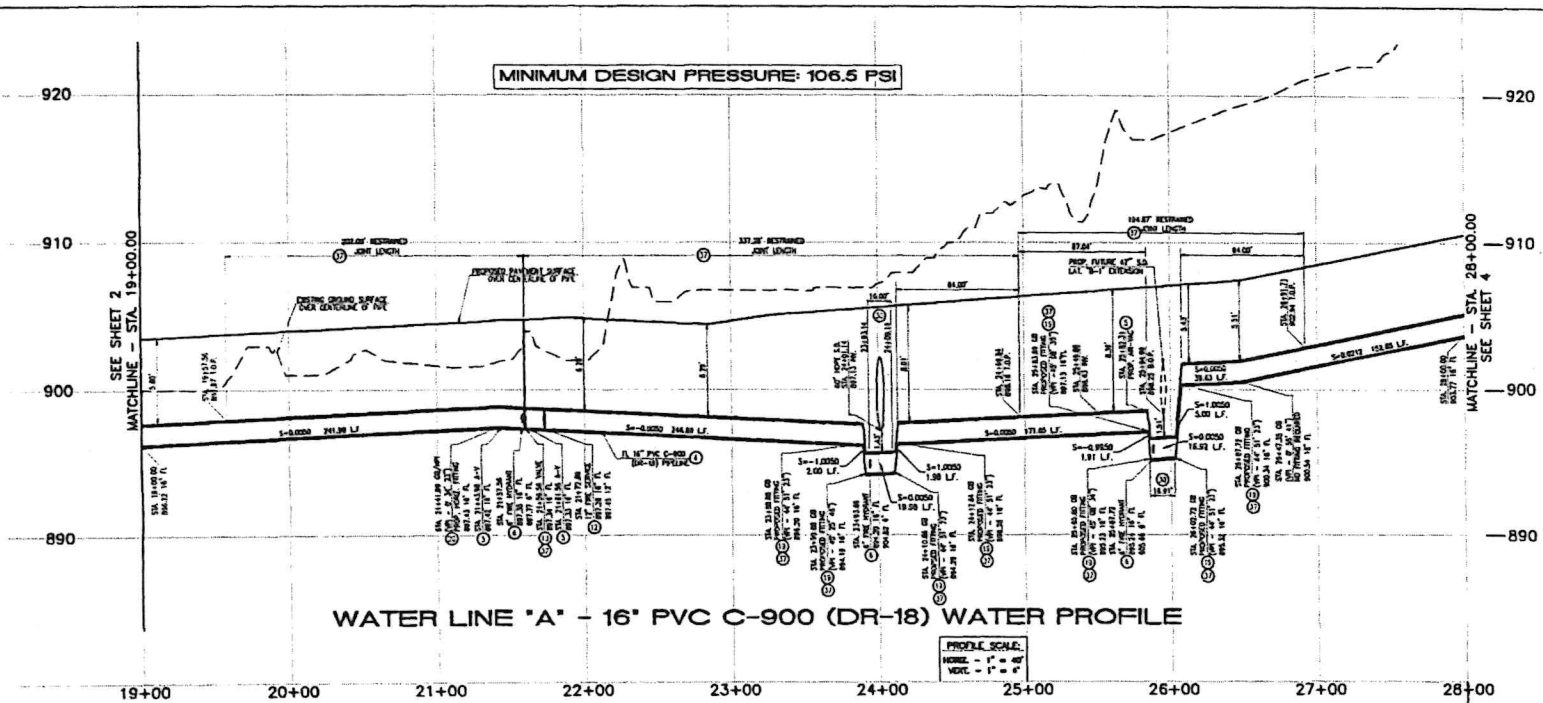


**Thienes Engineering, Inc.**  
CIVIL ENGINEERING - LAND SURVEYING  
PLUMBING FORESTRY DESIGN/CONSTRUCTION  
LA BARRA, CALIFORNIA 90808  
PH: (909) 484-0887 FAX: (909) 484-0888  
APPROVED BY: *[Signature]*  
REGISTERED ENGINEER No. 25125 DATE: 7/11/23

SCALE: SCALE: 1"=40'  
FIELD BOOK  
DESIGN: M.R.  
DRAWN: O.T.  
CHECKED: R.S.

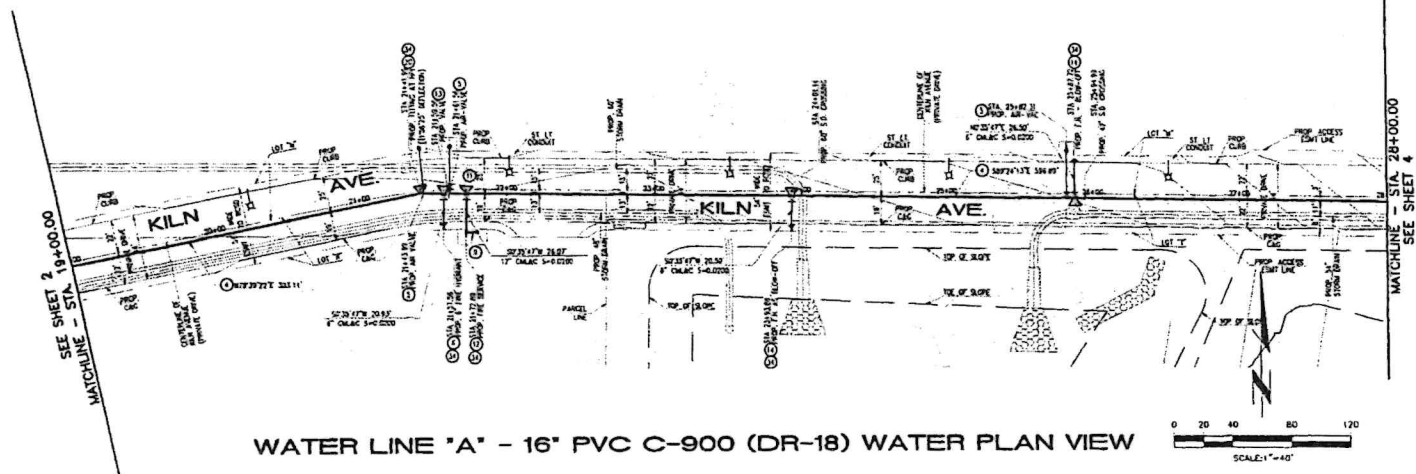
RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
**LINE "A" PLAN & PROFILE**  
STA. 10+00.00 TO STA. 19+00.00

SHEET **2**  
OF 18 SHEETS  
R.C.S.D. PLAN H



WATER LINE "A" - 16" PVC C-900 (DR-18) WATER PROFILE

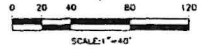
PROFILE SCALE:  
HORIZ. - 1" = 40'  
VERT. - 1" = 4'



WATER LINE "A" - 16" PVC C-900 (DR-18) WATER PLAN VIEW

**WATER CONSTRUCTION NOTES**

- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY LOCATIONS AND DEPTHS.
- 1) INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER MCD STANDARDS, WITH THURST BLOCK RESTRAINT PER MCD STD. DWG. C&B, FRENCH AND BRICKELL PER MCD STD. DWG. C&B.
  - 2) INSTALL 2" AIR VALVE ASSEMBLY PER MCD STD. DWG. W1070
  - 3) INSTALL 6" COMMERCIAL FIRE INFLUANT PER MCD STD. DWG. W1060
  - 4) INSTALL 12" DOUBLE GATEWAY ENTRY ASSEMBLY PER MCD STD. DWG. W1140 AS NOTED WITH 12" PIPING, FITTINGS AND 275# BOLTS.
  - 5) INSTALL 16"x18"x12" (CLASS 350 DUCTILE IRON) FULLY FRAMED TEE.
  - 6) INSTALL 12" FIRE SERVICE
  - 7) INSTALL 12" BUTTERFLY VALVE PER MCD STD. DWG. W1030
  - 8) INSTALL 6" COMMERCIAL FIRE INFLUANT PER MCD STD. DWG. W1060 (AS A LOW-POINT SYSTEM FLOW-UP)
  - 9) INSTALL 16" (CLASS 350 D.I.) 45° ELBOW FITTING PER MCD STANDARDS.
  - 10) INSTALL 16" (CLASS 350 D.I.) 11.25" ELBOW FITTING PER MCD STANDARDS.
  - 11) CONTRACTOR TO AVOID PLACING PIPE JOINTS IN THIS SPAN.
  - 12) INSTALL THURST BLOCK RESTRAINT PER MCD STD. DWG. C&B.
  - 13) PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14



48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PARCEL NO. 37528 IS IN ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, TRENCH AND DISTRIBUTION SYSTEM WILL BE INSTALLED TO SUPPLY WATER TO SAID PARCELS OF SAID PARCELS AT ALL SPECIFIC SERVICES, POINTS, OR PRESSURES FOR THE PROPOSED USE AND PURPOSE.

D. Rubidou Community Services District  
Civil Engineering - Civil and Waterboth  
Licenses: Arnold Valley, CA 81023  
I hereby certify that the documents  
attached are true and correct copies of  
the original documents.

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT PER CONTRACTOR:

DATE: 08/28/2024  
DIRECTOR OF ENGINEERING: RCE 48288

VOO AFTER ONE YEAR FROM THIS DATE

51M

REVISIONS

DATE BY



**TEI** Thienes Engineering, Inc.  
CIVIL ENGINEERING - LAND SURVEYING  
14149 FORESTONE GOLF COURSE  
LA BREA, CALIFORNIA 90808  
PH: 310.474.1111 FAX: 310.474.1112

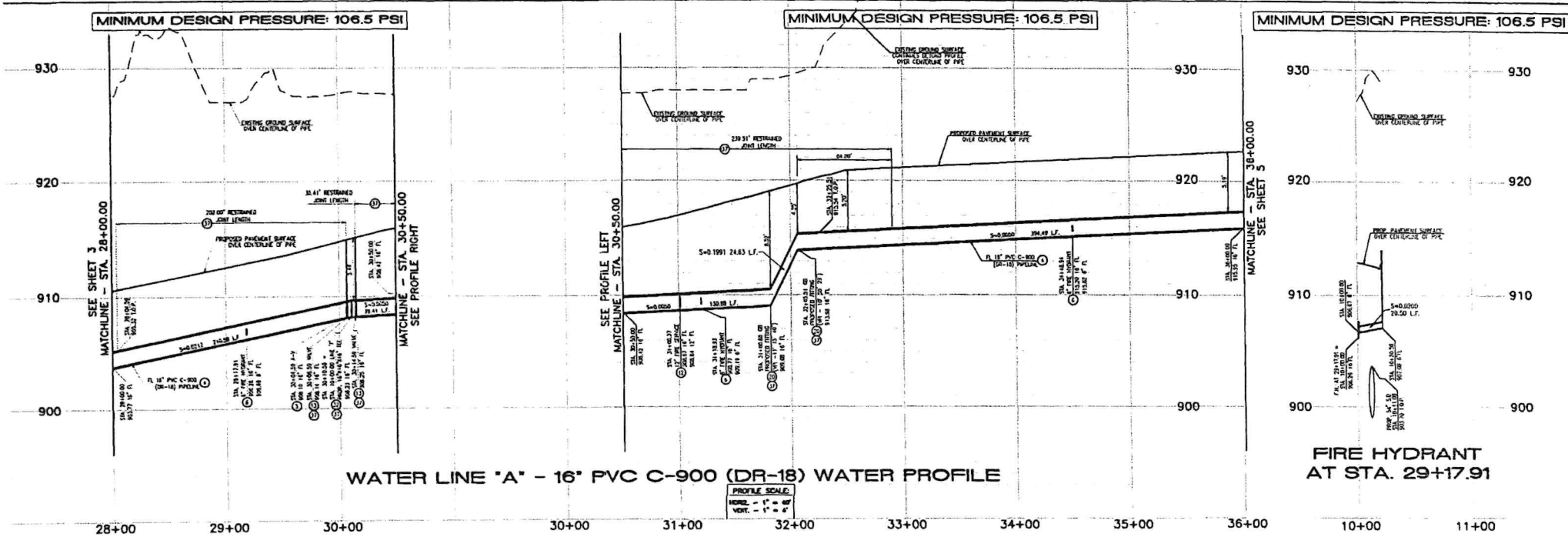
APPROVED BY: [Signature]  
REGISTERED ENGINEER No. 56155 DATE: 08/28/2024

SCALE: 1"=40'  
FIELD BOOK

DESIGN: M.R.  
DRAWN: D.T.  
CHECKED: R.S.

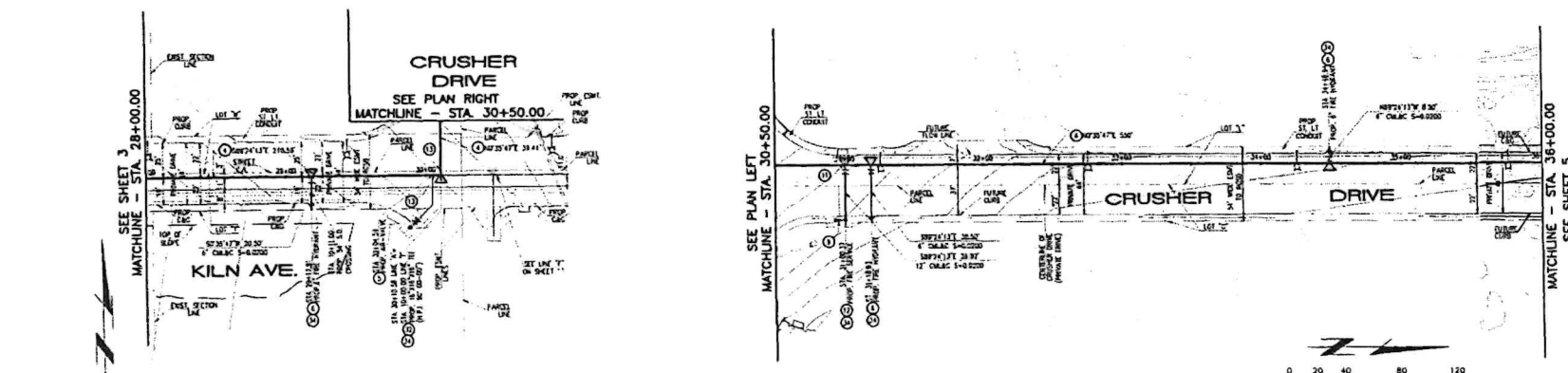
RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
LINE "A" PLAN & PROFILE  
STA. 19+00.00 TO STA. 28+00.00

SHEET  
**3**  
OF 10 SHEETS  
R.C.S.D. PLAN A



WATER LINE "A" - 16" PVC C-900 (DR-18) WATER PROFILE

FIRE HYDRANT AT STA. 29+17.91



WATER LINE "A" - 16" PVC C-900 (DR-18) WATER PLAN VIEW

**WATER CONSTRUCTION NOTES:**

- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY ROUTES AND LOCATIONS. DEPT/EP OF RECORD SHALL BE NOTIFIED OF ANY OCCURRENCES.
- ① INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER PCSO STANDARDS WITH APPROX BLOCK ASSEMBLY PER PCSO STD DWG. C40. TRENCH AND BACKFILL PER PCSO STD. DWG. C20
  - ② INSTALL 2" AIR VALVE ASSEMBLY PER PCSO STD. DWG. W1070
  - ③ INSTALL 1" COMMERCIAL PIPE HYDRANT PER PCSO STD. DWG. W1090
  - ④ INSTALL 12" DOUBLE DETECTOR CHECK ASSEMBLY PER PCSO STD DWG. W1146 NOTIFIED WITH 12" PIPING, FITTINGS AND APPURTEANCES.
  - ⑤ INSTALL 18"x18"x12" (CLASS 350 DUCTILE IRON) FLANGY FLANGED TEE.
  - ⑥ INSTALL 12" FIRE SERVICE
  - ⑦ INSTALL 18" BUTTERFLY VALVE PER PCSO STD DWG. W1030
  - ⑧ INSTALL 18" (CLASS 350 D.I.) 1125' ELBOW FITTING PER PCSO STANDARDS.
  - ⑨ INSTALL 18"x18"x12" (CLASS 350 DUCTILE IRON) TEE.
  - ⑩ INSTALL THRUST BLOCK RESTRAINT PER PCSO STD DWG. C40
  - ⑪ PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.

**48 hours BEFORE excavation**  
**(800) 227-2600**  
 CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P.M. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER MAIN, SERVICE AND DISTRIBUTION SYSTEM SHALL BE INSTALLED TO SERVE THE WATER SERVICE TO SAID PARCELS AND THAT THE DESIGNATION DOES NOT GUARANTEE THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ANY PARTICULAR FLOW, OR PRESSURE OR DELIVERY RATE.  
 U. Rubidoux Community Services District  
 Water Engineering - Civil-Tree Branch  
 14249 Folsom Road, Suite 100  
 Camanche, Iowa 52540  
 DATE: 3/1/22  
 DIRECTOR OF ENGINEERING: RCE 4678

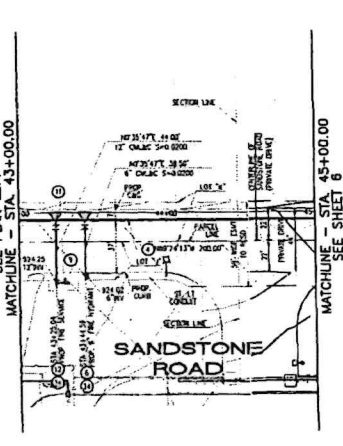
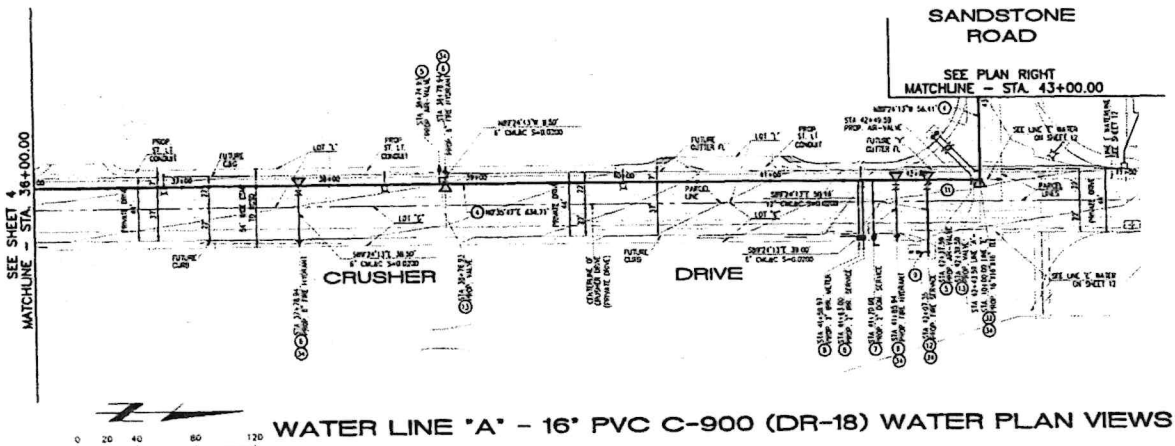
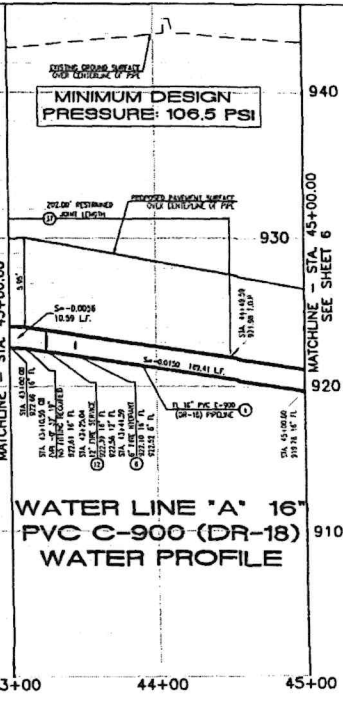
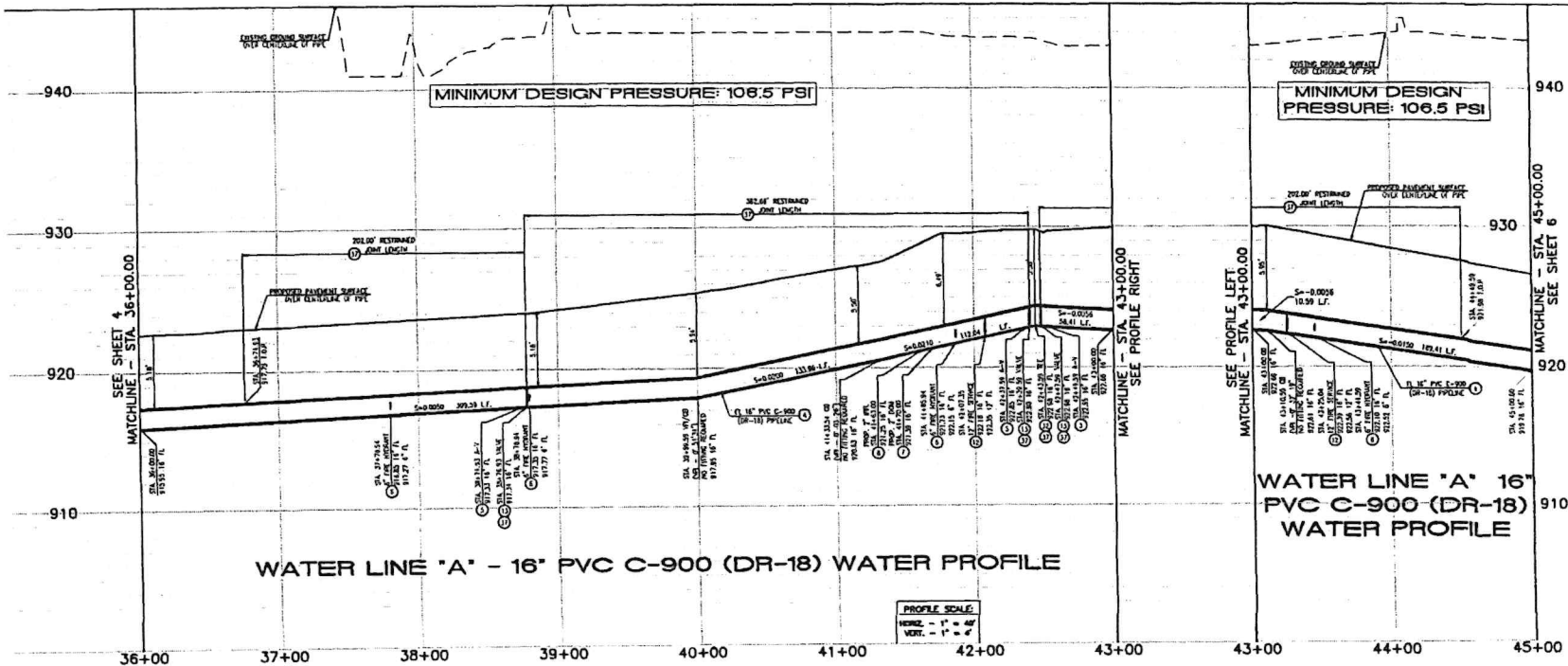
APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT  
 DIRECTOR OF ENGINEERING: RCE 4678  
 DATE: 3/1/22  
 VOID AFTER ONE YEAR FROM THIS DATE

NO.	REVISIONS	DATE	BY



**Tai Thienes Engineering, Inc.**  
 CIVIL ENGINEERING - LAND SURVEYING  
 14249 FORESTONE BOULEVARD  
 LA BREA, CALIFORNIA 90638  
 PH: 310-441-1122 FAX: 310-441-1123  
 APPROVED BY: [Signature]  
 REGISTERED ENGINEER No. 56125 DATE: 3/1/22

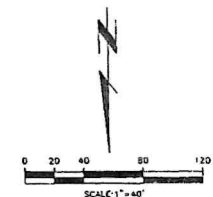
SCALE: 1"=40'	<b>RUBIDOUX COMMUNITY SERVICES DISTRICT</b> WATER IMPROVEMENT PLAN FOR PARCEL MAP NO. 37528 <b>LINE "A" PLAN &amp; PROFILE</b> STA. 28+00.00 TO STA. 36+00.00	<b>SHEET 4</b> OF 10 SHEETS R.C.S.D. PLAN I
FIELD BOOK		
DESIGN: M.R.		
DRAWN: D.T.		
CHECKED: R.S.		



**WATER CONSTRUCTION NOTES:**

NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY TRENCH AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY OCCURRENCES.

1. INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER RCSD STANDARDS, WITH THRUST BLOCK RESTRAINT PER RCSD STD. DWG. C40. TRENCH AND BACKFILL PER RCSD STD. DWG. C30.
2. INSTALL 2" AIR VALVE ASSEMBLY PER RCSD STD. DWG. W1070
3. INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCSD STD. DWG. W1050
4. INSTALL 1" DOMESTIC WATER SERVICE, METER AND METER BOX (COMPLETED PER RCSD STD. DWG. W1110 & 2" BACKFLOW PER RCSD STD. DWG. W1130)
5. INSTALL 2" IRIGATION WATER SERVICE, METER AND METER BOX (COMPLETED PER RCSD STD. DWG. W1110 & 2" BACKFLOW PER RCSD STD. DWG. W1130)
6. INSTALL 12" DOUBLE DETECTOR CHECK ASSEMBLY PER RCSD STD. DWG. W1140 MODIFIED WITH 12" PIPING, FITTINGS AND APPURTENANCES.
7. INSTALL 18"x18"x12" (CLASS 350 DUCTILE IRON) FULLY FLANGED FEE.
8. INSTALL 12" FIRE SERVICE.
9. INSTALL 16" BUTTERFLY VALVE PER RCSD STD. DWG. W1030
10. INSTALL 18"x18"x12" (CLASS 350 DUCTILE IRON) FEE.
11. INSTALL THRUST BLOCK RESTRAINT PER RCSD STD. DWG. C40
12. PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.



**48 hours BEFORE excavation**  
**(800) 227-2600**  
**CALL Underground Service Alert**

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM SHOWN ON THIS PLAN IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT, AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE ADAPTED TO SUPPLY WATER SERVICE TO SAID PARCELS OF SAID PARCEL MAP THIS CONTRACTOR SHALL NOT GUARANTEE THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ANY PURPOSE.

California Community Services District  
 Civil Engineering Dept./District  
 14349 Firestone Boulevard  
 La Habra, California 91748  
 (714) 962-1111  
 FAX: (714) 962-1112

DIRECTOR OF ENGINEERING, RCE 48783

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR PRODUCTION.

DATE: 4/23/2024  
 DIRECTOR OF ENGINEERING  
 RCE 48783

VOID AFTER ONE YEAR FROM THIS DATE

NO.	REVISIONS	DATE	BY



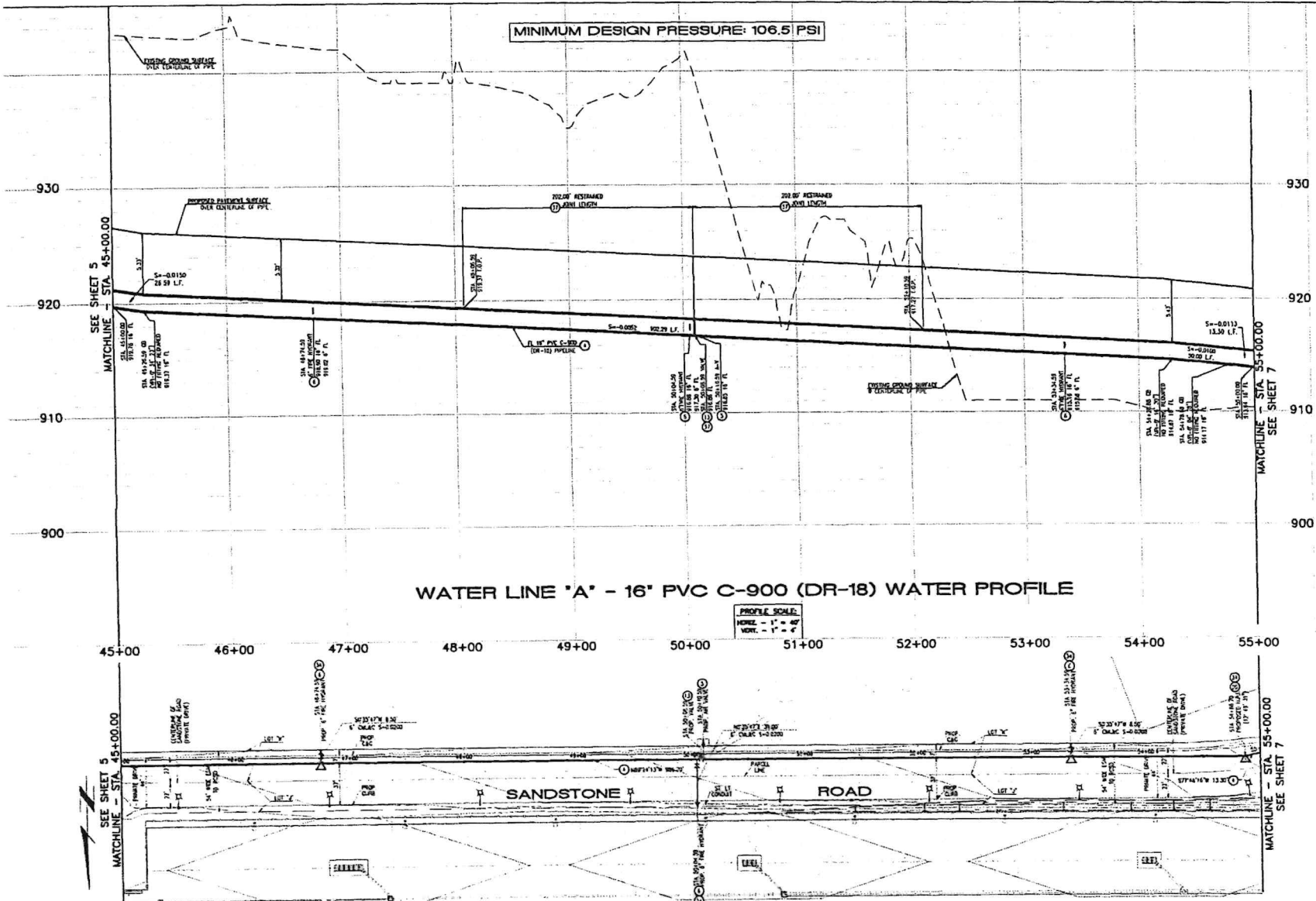
**Tai Thienes Engineering, Inc.**  
 CIVIL ENGINEERING & LAND SURVEYING  
 14349 FIRESTONE BOULEVARD  
 LA HABRA, CALIFORNIA 91748  
 (714) 962-1111  
 FAX: (714) 962-1112

APPROVED BY: *[Signature]*  
 REGISTERED ENGINEER No. 25124 DATE: 4/23/2024

SCALE: 1" = 40'  
 FIELD BOOK  
 DESIGN: M.R.  
 DRAWN: D.T.  
 CHECKED: R.S.

**RUBIDOUX COMMUNITY SERVICES DISTRICT**  
**WATER IMPROVEMENT PLAN FOR**  
**PARCEL MAP NO. 37528**  
**LINE "A" PLAN & PROFILE**  
**STA. 36+00.00 TO STA. 45+00.00**


**SHEET**  
**5**  
**OF 18 SHEETS**  
**R.C.S.D. PLAN**



**WATER LINE "A" - 16" PVC C-900 (DR-18) WATER PROFILE**

**WATER LINE "A" - 16" PVC C-900 (DR-18) WATER PLAN VIEW**

- WATER CONSTRUCTION NOTES:**  
 NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY DEPTH AND LOCATIONS. ELEVATION OF EXISTING SHALL BE NOTED ON ANY DISCREPANCIES.
1. INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER PCSO STANDARDS. WITH BURST BLOCK RESTRAINT PER PCSO STD. DWG. C40 FRENCH AND SCHEDULE PER PCSO STD. DWG. W1070
  2. INSTALL 2" AIR VALVE ASSEMBLY PER PCSO STD. DWG. W1070
  3. INSTALL 2" COMMERCIAL FIVE HOLES PER PCSO STD. DWG. W1070
  4. INSTALL 18" BURST BLOCK RESTRAINT PER PCSO STD. DWG. W1070
  5. INSTALL 18" CLASS 200 (2) 15.25" ELBOW FITTING PER PCSO STANDARDS.
  6. INSTALL BURST BLOCK RESTRAINT PER PCSO STD. DWG. C40.
  7. PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.

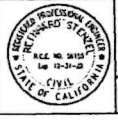
 48 hours BEFORE excavation  
 (800) 227-2600  
 CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P.S. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLANS OF THE RIBUDOIX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE ADAPTED TO SUPPLY WATER SERVICE TO SAND PARCELS OF SAND PARCELS AND THAT THE DISTRIBUTION DOES NOT EXCEED THAT OF THE SUPPLY MAIN TO SAND PARCELS AT ANY POINT.

D. Riboudoux Community Services District  
 Civil Engineering, 1001 First Boulevard  
 Livermore, Alameda County, CA 94550  
 Project: 14-0000-0000-00000000  
 Contact: 925-462-1234

APPROVED BY THE RIBUDOIX COMMUNITY SERVICES DISTRICT CIVIL ENGINEER:  
 DATE: 11/15/2014  
 DIRECTOR OF ENGINEERING: RCE 48120  
 VOID AFTER ONE YEAR FROM THIS DATE

NO.	REVISIONS	DATE	BY



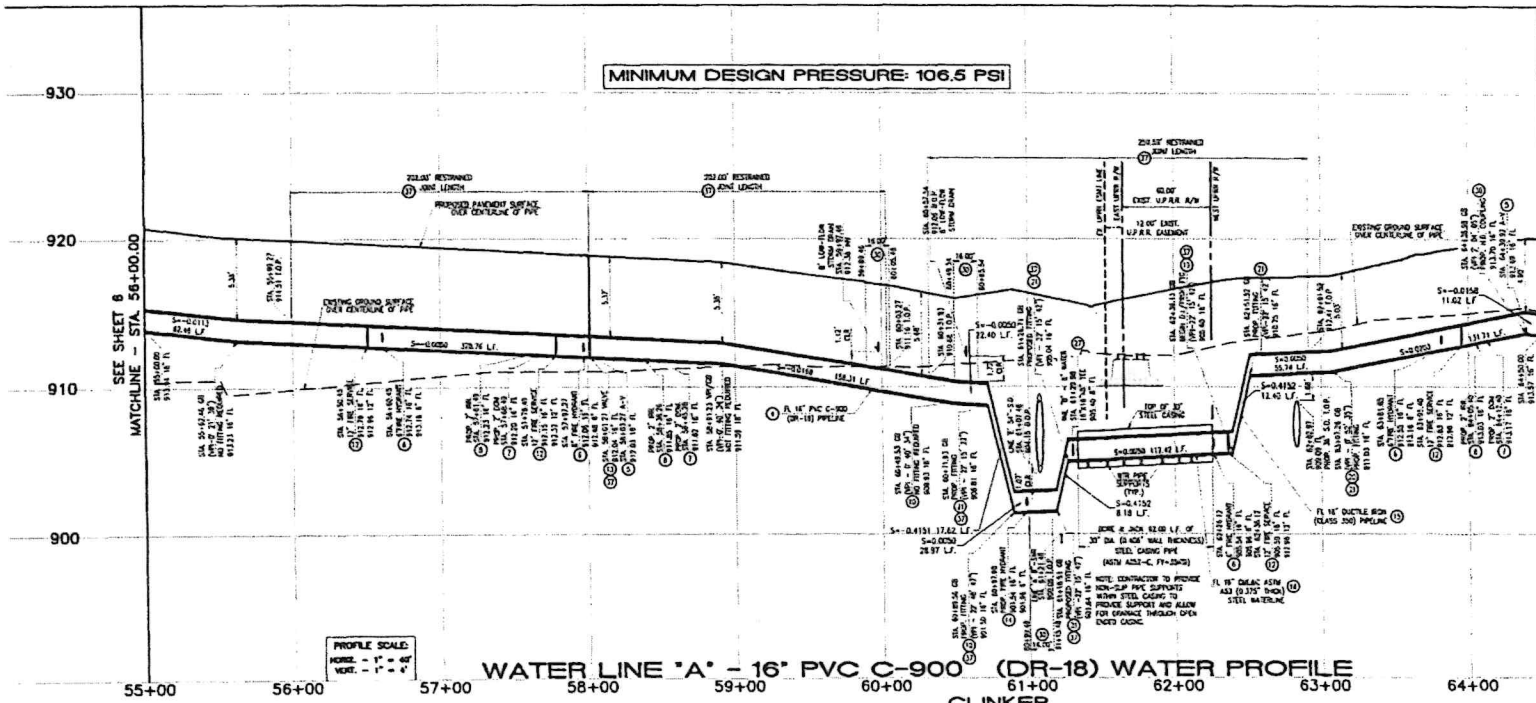
**Thienes Engineering, Inc.**  
 CIVIL ENGINEERING & LAND SURVEYING  
 14349 FINESTONE BOULEVARD  
 SAN MATEO, CALIFORNIA 94403  
 (415) 937-1111  
 APPROVED BY: *[Signature]*  
 REGISTERED ENGINEER No. 51212 DATE: 11/15/2014

SCALE: 1" = 40'
FIELD BOOK
DESIGN: M.R.
DRAWN: D.T.
CHECKED: R.S.

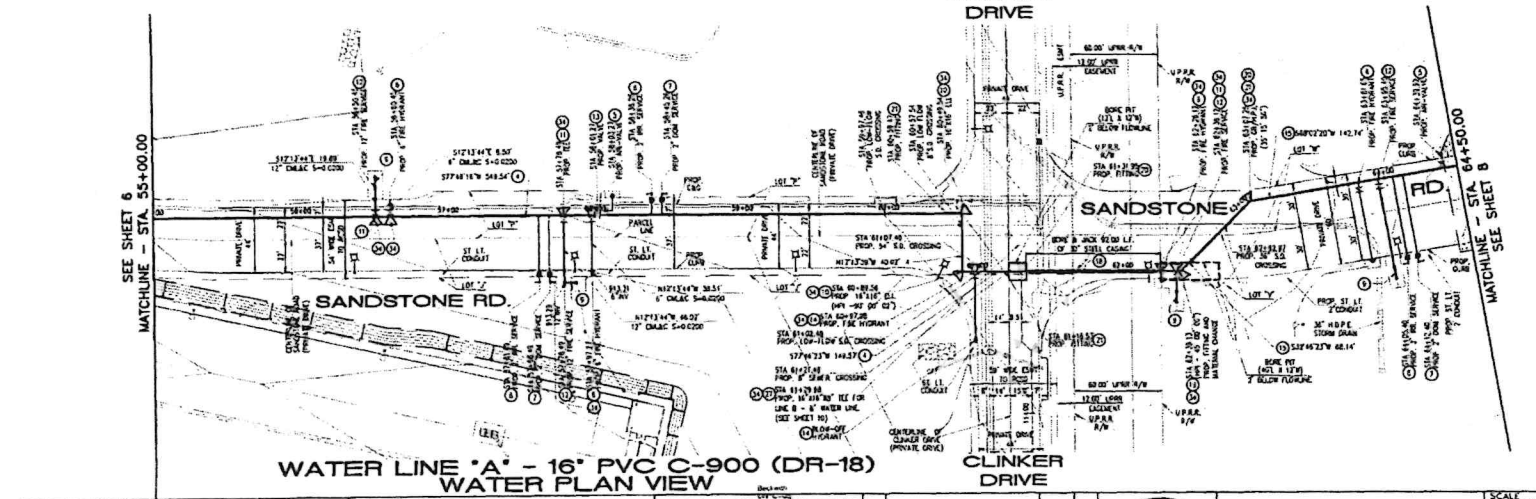
**RIBUDOIX COMMUNITY SERVICES DISTRICT**  
 WATER IMPROVEMENT PLAN FOR  
 PARCEL MAP NO. 37528  
**LINE "A" PLAN & PROFILE**  
 STA. 45+00.00 TO STA. 55+00.00

SHEET **6** OF 18 SHEETS  
 R.C.S.D. PLAN 1





- WATER CONSTRUCTION NOTES:**  
 NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY DEPTH AND LOCATIONS. BACKLOG OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- 1) INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER RCSD STANDARDS, WITH THREE BLOCK RESTRAINT PER FCSD STD. DWG. C40. TRENCH AND BACKFILL PER RCSD STD. DWG. C40.
  - 2) INSTALL 2" AIR VALVE ASSEMBLY PER FCSD STD. DWG. W1070
  - 3) INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCSD STD. DWG. W1050
  - 4) INSTALL 1" DOMESTIC WATER SERVICE, METER AND WATER BOX (COMPLETE) PER RCSD STD. DWG. W1110 & 2" BACKFLOW PER RCSD STD. DWG. W1130
  - 5) INSTALL 2" IRRIGATION WATER SERVICE, METER AND WATER BOX (COMPLETE) PER RCSD STD. DWG. W1110 & 2" BACKFLOW PER RCSD STD. DWG. W1130
  - 6) INSTALL 12" DOUBLE DETECTOR CHECK ASSEMBLY PER RCSD STD. DWG. W1140 MODIFIED WITH 12" PPVC, FITTINGS AND APPROPRIATES.
  - 7) INSTALL 16"x18" (CLASS 350 DUCTILE IRON) 50' ELONG.
  - 8) INSTALL 16"x18"x12" (CLASS 350 DUCTILE IRON) FULLY FLANGED FEE.
  - 9) INSTALL 12" FIRE SERVICE
  - 10) INSTALL 18" BUTTERFLY VALVE PER RCSD STD. DWG. W1030
  - 11) INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCSD STD. DWG. W1050 (AS A LOW-POINT SYSTEM BLOW-OFF)
  - 12) INSTALL 14" DUCTILE IRON (CLASS 350) WATER MAIN PER RCSD STANDARDS, WITH BELLLESS FULLY RESTRAINED JOINTS PER RCSD STD. DWG. W1240 TRENCH AND BACKFILL PER RCSD STD. DWG. C40.
  - 13) JACK AND BORE 36" DIA. (36"x48" WALL THICKNESS) STEEL CASING (ASTM A252-C F-155) PER UNION PACIFIC RAILROAD SPECIFICATIONS. SEE UPPER DESIGNER RECOMMENDATIONS ON SHEET 1 AND LOCATED AGREEMENT (PAGES 15-16). INSTALL 16" DUCTILE IRON (CLASS 350) (15"x15" THICK) WATER MAIN WITH WELDED JOINTS AND TRANSITION COUPLERS TO GO FROM PVC TO STEEL AND STEEL TO DUCTILE IRON.
  - 14) INSTALL 14" (CLASS 350 DIA.) 45' ELONG FITTING PER RCSD STANDARDS.
  - 15) INSTALL 14" (CLASS 350 DIA.) 22.50' ELONG FITTING PER RCSD STANDARDS.
  - 16) INSTALL 14" (CLASS 350 DIA.) 22.50' ELONG FITTING PER RCSD STANDARDS.
  - 17) INSTALL 16"x18"x8" (CLASS 350 DUCTILE IRON) FEE
  - 18) CONTRACTOR TO PROVIDE BLOCK RESTRAINT PER DETAILS ON SHEET 14
  - 19) CONTRACTOR TO PROVIDE BLOCK RESTRAINT PER DETAILS ON SHEET 14
  - 20) CONTRACTOR TO PROVIDE BLOCK RESTRAINT PER DETAILS ON SHEET 14
  - 21) CONTRACTOR TO PROVIDE BLOCK RESTRAINT PER DETAILS ON SHEET 14
  - 22) CONTRACTOR TO PROVIDE BLOCK RESTRAINT PER DETAILS ON SHEET 14
  - 23) CONTRACTOR TO PROVIDE BLOCK RESTRAINT PER DETAILS ON SHEET 14
  - 24) CONTRACTOR TO PROVIDE BLOCK RESTRAINT PER DETAILS ON SHEET 14
  - 25) CONTRACTOR TO PROVIDE BLOCK RESTRAINT PER DETAILS ON SHEET 14
  - 26) CONTRACTOR TO PROVIDE BLOCK RESTRAINT PER DETAILS ON SHEET 14
  - 27) CONTRACTOR TO PROVIDE BLOCK RESTRAINT PER DETAILS ON SHEET 14



48 hours BEFORE excavation  
 (800) 227-2600  
 CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PARCELS 6 & 7 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THE WATER SERVICE, TRENCH AND DISTRIBUTION SYSTEM WILL BE INSTALLED TO SUPPLY WATER SERVICE TO SAID PARCELS AND THIS CONTRACTOR DOES NOT GUARANTEE THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ALL TIMES. EXCEPT AS SHOWN, OR PRESCRIBED BY THE PROVISIONS OF THE PLAN.

On: Rubidoux Community Services District  
 Civil Engineering, 620 East Broadway  
 Lubbock, Arizona Valley, CA 95503  
 Rubidoux: 1-800-227-2600  
 Contact with: 530-227-2600  
 Date: 11/14/2023

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION

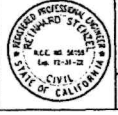
DATE: 11/14/2023

SECTION: 16" WATER MAIN

DATE: 11/14/2023

APPROVED BY THE REGISTERED PROFESSIONAL ENGINEER

DATE: 11/14/2023



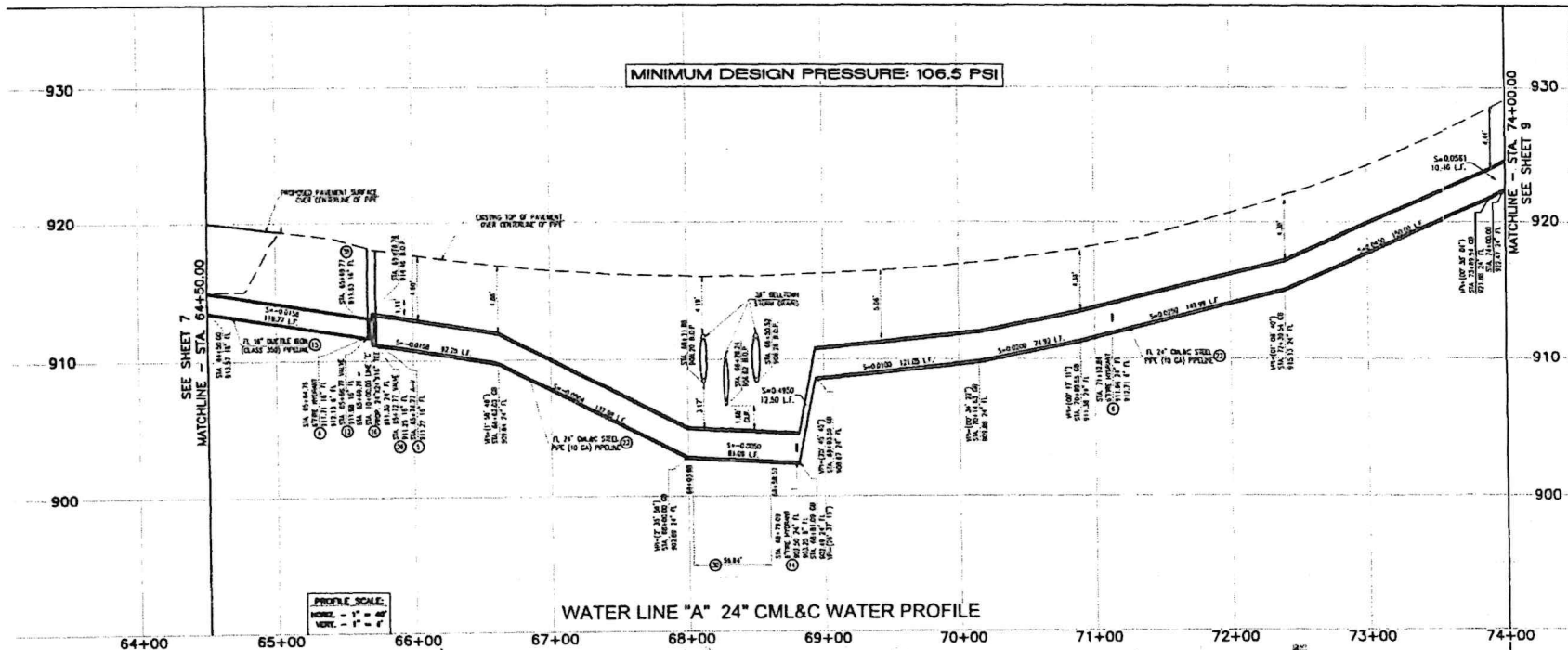
**Thienes Engineering, Inc.**  
 CIVIL ENGINEERING & LAND SURVEYING  
 14249 FIRESTONE BOULEVARD  
 LA MARGA, CALIFORNIA 90648  
 PH: 562-261-1122 FAX: 562-261-1124

APPROVED BY: *T. J. Thienes*  
 REGISTERED ENGINEER No. 56122 DATE: 11/14/2023

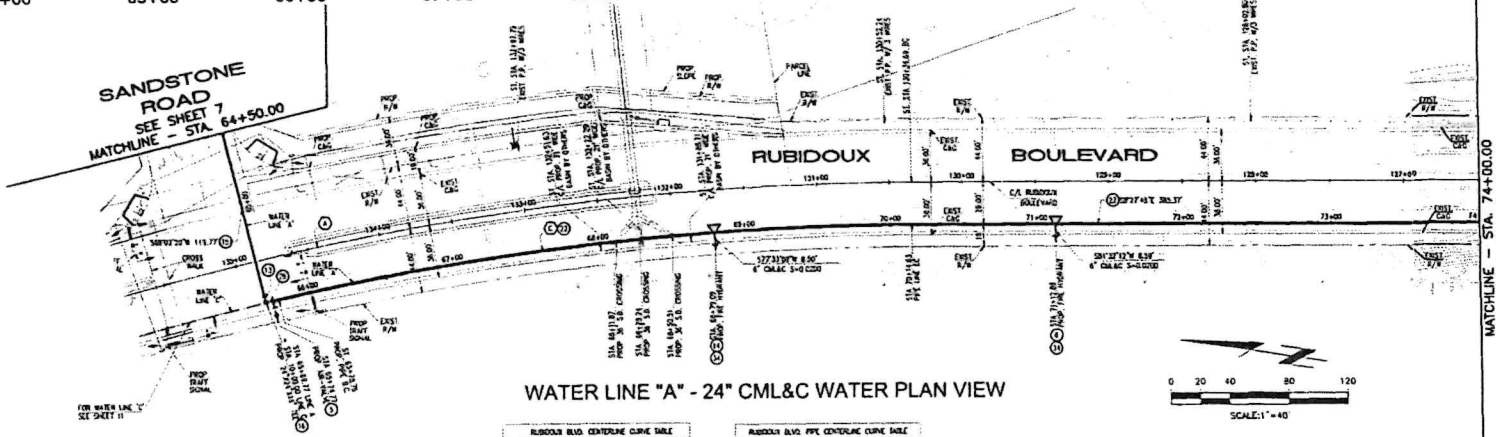
SCALE: SCALE: 1"=40'  
 FIELD BOOK  
 DESIGN: M.R.  
 DRAWN: D.T.  
 CHECKED: R.S.

**RUBIDOUX COMMUNITY SERVICES DISTRICT**  
 WATER IMPROVEMENT PLAN FOR  
 PARCEL MAP NO. 37528  
 LINE "A" PLAN & PROFILE  
 STA. 55+00.00 TO STA. 64+50.00

SHEET 7 OF 18 SHEETS  
 R.C.S.D. PLAN



WATER LINE "A" 24" CML&C WATER PROFILE



WATER LINE "A" - 24" CML&C WATER PLAN VIEW

RUBIDOUX BLVD CENTERLINE CURVE TABLE				
CURVE #	DETA	BACKS	LENGTH	TANGENT
1	3737.33'	3000.00'	519.64'	415.24'

RUBIDOUX BLVD PPE CENTERLINE CURVE TABLE				
CURVE #	DETA	BACKS	LENGTH	TANGENT
2	17373.33'	1971.00'	444.96'	123.33'

- WATER CONSTRUCTION NOTES:**  
 NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY DEPTH AND LOCATIONS. DIMENSION OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- INSTALL 2" AIR VALVE ASSEMBLY PER ACSD STD. DWG. W1070
  - INSTALL 6" COMMERCIAL PIPE HYDRANT PER ACSD STD. DWG. W1060
  - INSTALL 16" BUTTERFLY VALVE PER ACSD STD. DWG. W1030
  - INSTALL 6" COMMERCIAL FIRE HYDRANT PER ACSD STD. DWG. W1000 (AS A LOW-POINT SYSTEM BLOW-OFF)
  - INSTALL 16" DUCTILE IRON (CLASS 300) WATER MAIN PER ACSD STANDARDS WITH BALLBEAR FULLY RESTRAINING JOINTS PER ACSD STD. DWG. W1240. TRENCH AND BACKFILL PER ACSD STD. DWG. C20
  - INSTALL 24"X24"X16" CML&C FLANGED STEEL TEE PER ACSD STANDARDS. TRENCH AND BACKFILL PER ACSD STD. DWG. C20
  - INSTALL 24" CML&C (10 GA.) STEEL WATER MAIN PER ACSD STANDARDS. FULLY WELDED RESTRAINING JOINTS PER ACSD STD. DWG. W1240. TRENCH AND BACKFILL PER ACSD STD. DWG. C20
  - INSTALL 24" BUTTERFLY VALVE PER ACSD STD. DWG. W1030
  - CONTRACTOR TO AVOID PLACING PIPE JOINTS IN THIS SPAN
  - INSTALL THRUST BLOCK RESTRAINT PER ACSD STD. DWG. C40
  - PROVIDE 16" ISOLATION COUPLING FROM RP TO STEEL (FOR CORROSION PROTECTION)

48 hours BEFORE excavation  
 (800) 227-2600  
 CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PARCEL NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLANS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE ADEQUATE TO SUPPLY WATER SERVICE TO SAID PARCELS AND THAT THE DESIGN CONFORMANCE AND CHARACTERISTICS OF THE SUPPLY MAINS TO SAID PARCELS AT ALL SPECIFIC QUANTITIES, FLOWS, OR PRESSURES ARE AS SHOWN ON THIS PLAN.

DATE: 11-23-22  
 DIRECTOR OF ENGINEERING: MICHAEL J. BROWN

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:  
 CHAIRPERSON: CHAUNCEY BROWN  
 LIAISON: ANTHONY VARGAS  
 DATE: 11-23-22  
 DIRECTOR OF ENGINEERING: MICHAEL J. BROWN  
 VOID AFTER ONE YEAR FROM THIS DATE

SYM	REVISIONS	DATE	BY



**Tai Thienes Engineering, Inc.**  
 CIVIL ENGINEERING & LAND SURVEYING  
 14149 FIRESTONE BOULEVARD  
 LA BREA, CALIFORNIA 90008  
 (818) 461-4111 FAX (818) 461-4112

APPROVED BY: [Signature]  
 REGISTERED ENGINEER No. 56125 DATE: 11-22-22

SCALE: 1"=40'  
 FIELD BOOK: \_\_\_\_\_  
 DESIGN: M.R.  
 DRAWN: D.T.  
 CHECKED: R.S.

RUBIDOUX COMMUNITY SERVICES DISTRICT  
 WATER IMPROVEMENT PLAN FOR  
 PARCEL MAP NO. 37528  
 LINE "A" PLAN & PROFILE  
 STA. 64+50.00 TO STA. 74+00.00

SHEET 8 OF 18 SHEET  
 R.C.S.D. PLAN

MINIMUM DESIGN PRESSURE: 106.6 PSI

**BEDROCK NOTE:**

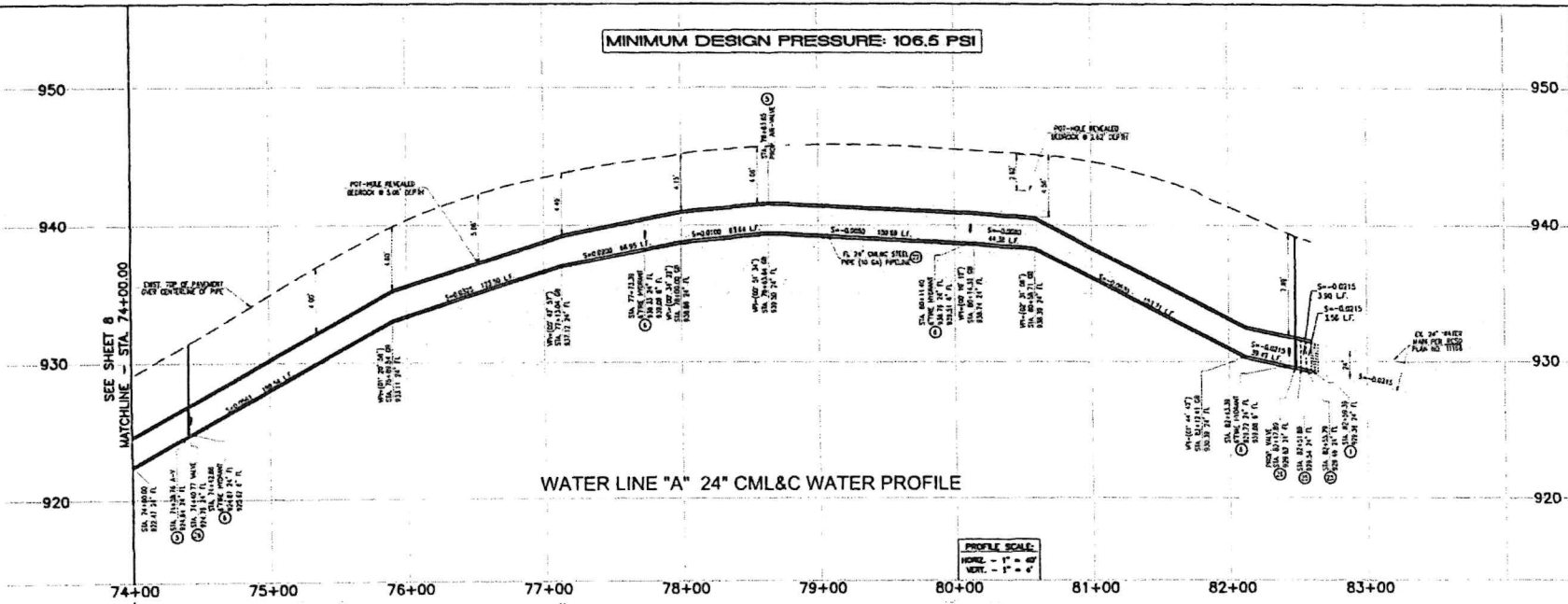
IF BEDROCK IS DISCONTINUED, REMOVED SHALL BE REMOVED AT LEAST 1' BELOW PIPE GRADE AND REPLACED WITH BEST BANK SAND, SAND AND GRAVEL, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE DISTRICT. THEREIN SHALL BE 90 PERCENT RELATIVE COMPACTION. TOUGH BOTTOM SHALL BE GRADED FLAT AND PREPARED TO RECEIVE PIPE AND UNDERLIEING MATERIAL PER TECHNICAL SPECIFICATION SECTION 10-3, PART 2.1, OR REQUIREMENTS WITHIN THE GEOLOGICAL REPORT, WHICHEVER IS MOST STRINGENT.

**WATER CONSTRUCTION NOTES:**

- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY MARKS AND LOCATIONS. DIMENSION OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- REMOVE EX. BRAD FLANGE AND CONNECT NEW 24" CML&C STEEL WATER
  - INSTALL 2" AIR VALVE ASSEMBLY PER RCSD STD. DWG. #W1070
  - INSTALL 1" COMMERCIAL FINE MESHAN PER RCSD STD. DWG. #W1000
  - INSTALL 24" CML&C (10 GA.) STEEL PIPE WATER MAIN PER RCSD STANDARD THAT MEETS RESTRICTION CODES FOR RCSD STD. DWG. #W1000. REMOVE AND BACKFILL PER RCSD STD. DWG. #C100.
  - INSTALL 24" CML&C STEEL 45° ELBOW FITTING PER RCSD STANDARDS.
  - INSTALL 24" BUTTERFLY VALVE PER RCSD STD. DWG. #W1000
  - INSTALL BRUSH BLOCK RESTRAINT PER RCSD STD. DWG. #C100

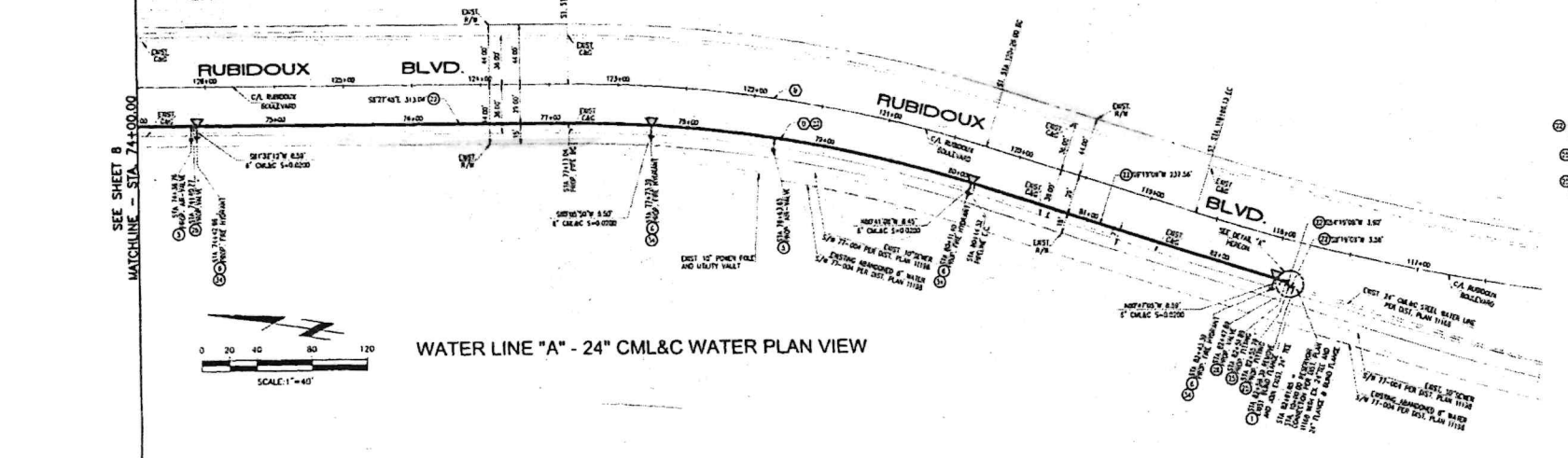
**PROCEDURE FOR JOINING**

- CONTRACTOR TO DETERMINE VOLUME OF DEMOLITION REQUIRED FOR EXISTING PIPELINE AND PREPARE AND SUBMIT PLAN FOR DISPOSAL OF DEMOLISHING WASTE TO DISTRICT PRIOR TO SCHEDULING ANY CONSTRUCTION WORK.
- CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING TEE FROM DISTRICT PLAN 11118. STOPPING WATER TO THE SOUTH FROM THE RESERVOIR. CONTRACTOR NOTIFY RCSD A FULL 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY AND OBTAIN BOTH PERMIT AND INSPECTION FROM RCSD. PRIOR TO ANY WORK.
- CONTRACTOR SHALL INSPECT EXISTING PIPELINE FOR DAMAGE AND REPORT FINDINGS TO ENGINEER AND RCSD.
- ANY ANTICIPATED SYSTEM DOWNTIME SHALL BE COORDINATED WITH RCSD AND AFFECTED CUSTOMERS TO RCSD'S SATISFACTION AND WITH THEIR ENGINEER AND DIRECTOR.
- CONTRACTOR SHALL MAKE SURE EXISTING VALVES ADJUSTED TO EXISTING TEE AND CLOSED EXISTING BRAD FLANGE AT THE JOIN LOCATION AND CLEANING AND PREPARING JOIN LOCATION PER RCSD STANDARDS.
- ONCE THE RCSD INSPECTOR IS SATISFIED WITH THE CONDITION OF THE EXISTING PIPELINE AND HAS DETERMINED THAT IT MEETS WITH RCSD STANDARDS FOR JOINING, THE CONTRACTOR MAY PROCEED UNDER RCSD INSPECTOR DIRECTION.

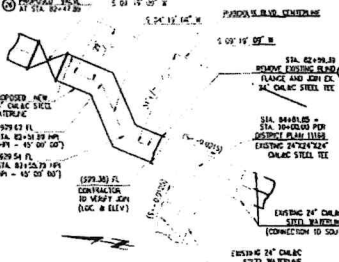


WATER LINE "A" 24" CML&C WATER PROFILE

PROFILE SCALE:  
HORIZONTAL: 1" = 40'  
VERTICAL: 1" = 4'



WATER LINE "A" - 24" CML&C WATER PLAN VIEW



CONNECTION DETAIL "A"  
SCALE: 1" = 4'

RUBIDOUX BLVD. CONTIGUOUS CURVE TABLE			
CLAVE #	DELTA	STATION	LENGTH
1	174°40'	1040+00	310.25'
2	174°40'	1040+00	310.25'

RUBIDOUX BLVD. PIPING CONTIGUOUS CURVE TABLE			
CLAVE #	DELTA	STATION	LENGTH
1	174°40'	1040+00	310.25'
2	174°40'	1040+00	310.25'

48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR #16 AND #17222 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, TRENCH AND DISTRIBUTION SYSTEM HAS BEEN DESIGNED TO SUPPLY WATER SERVICE TO THE PARCELS OF LAND PARCELS AND THE SPECIFIC QUANTITY, FLOW, OR PRESSURE FOR THE USE, OCCUPATION OR OTHER PURPOSE.

DATE: 08/11/2023  
DIRECTOR OF ENGINEERING, RCSD #4788

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:  
DATE: 08/11/2023  
VOID AFTER ONE YEAR FROM THIS DATE

NO.	REVISIONS	DATE	BY



**Thienes Engineering, Inc.**  
CIVIL ENGINEERING • LAND SURVEYING  
14368 FIRESTONE BOULEVARD  
LA BERRA, CALIFORNIA 92038  
PH: 760-271-0414 FAX: 760-271-1154

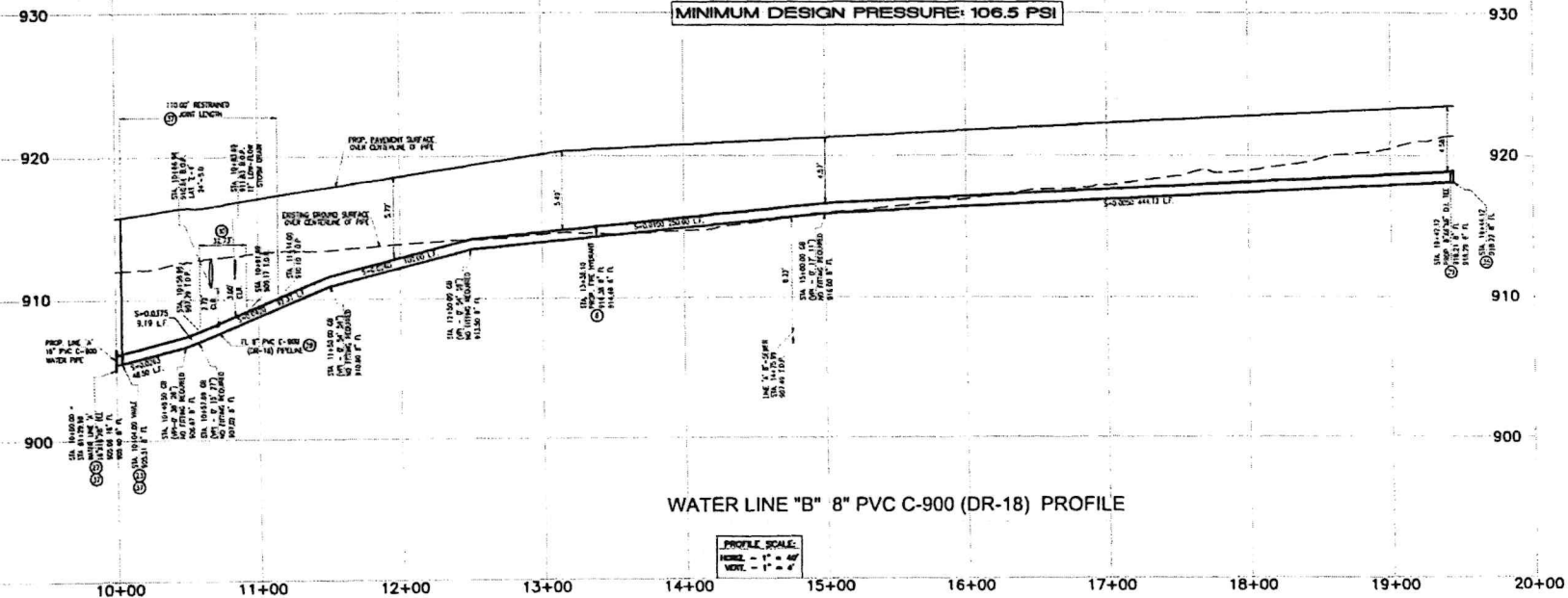
APPROVED BY: *[Signature]*  
REGISTERED ENGINEER No. 22125 DATE: 08/11/2023

RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 3752B  
LINE "A" PLAN & PROFILE  
STA. 74+00.00 TO STA. 82+59.39

SCALE: 1" = 40'  
FIELD BOOK  
DESIGN: M.R.  
DRAWN: D.T.  
CHECKED: R.S.

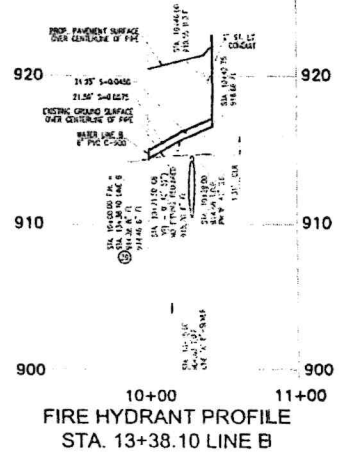
SHEET 9 OF 18 SHEETS  
R.C.S.D. PLAN 1

MINIMUM DESIGN PRESSURE: 106.5 PSI

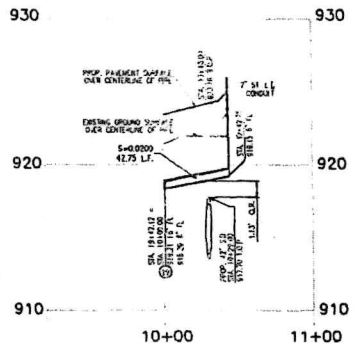


WATER LINE "B" 8" PVC C-900 (DR-18) PROFILE

PROFILE SCALE:  
HORIZ. - 1" = 40'  
VERT. - 1" = 4'



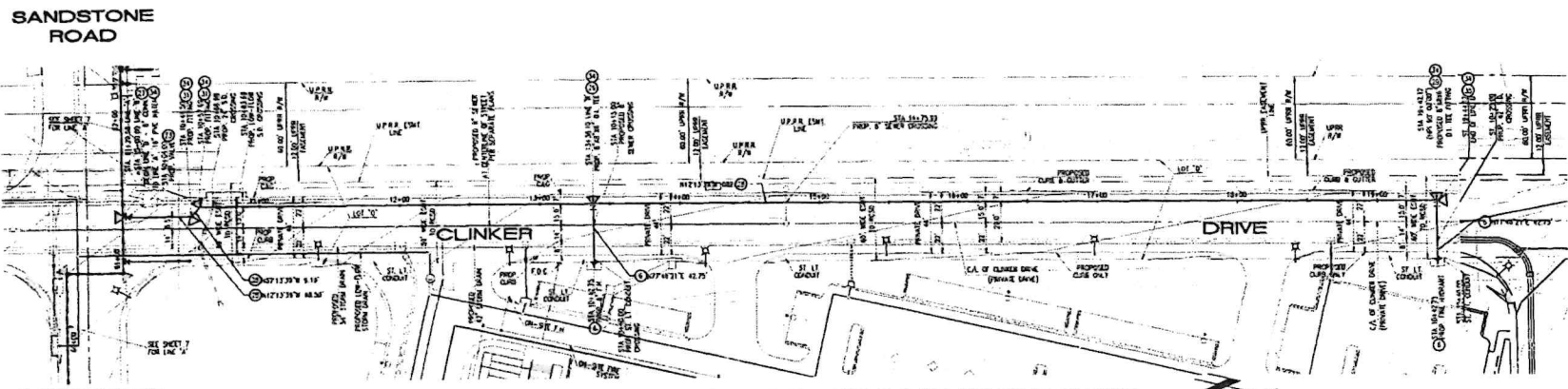
FIRE HYDRANT PROFILE  
STA. 13+38.10 LINE B



FIRE HYDRANT PROFILE  
STA. 19+42.12 LINE B

**WATER CONSTRUCTION NOTES**

- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY INVERT AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCY.
- INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCSD STD. DMC. W100
  - INSTALL 6" GATE VALVE PER PER RCSD STD. DMC. W100R.
  - INSTALL 18"x18"x8" (CLASS 350 DUCTILE IRON) TEE
  - INSTALL 8" PVC C-900 (DR-18) WATER MAIN PER RCSD STANDARDS WITH THRUST BLOCK RESTRAINT PER RCSD STD. DMC. G40. BACKFILL PER RCSD STD. DMC. G20
  - INSTALL 6"x6"x4" (CLASS 350 DUCTILE IRON) TEE
  - CONTRACTOR TO AVOID PLACING PIPE JOINTS IN THIS SPAN
  - INSTALL 6"x6" (CLASS 350 DUCTILE IRON) 45° ELBOW
  - INSTALL THRUST BLOCK RESTRAINT PER RCSD STD. DMC. G40
  - INSTALL 8" DI 90° ELBOW
  - PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.



WATER LINE "B" - 8" PVC C-900 (DR-18) PLAN VIEW

SCALE: 1" = 40'

48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PAR. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLANS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE ADEQUATE TO SUPPLY WATER SERVICE TO SAID PARCELS OF SAID PARCEL MAP. THIS CERTIFICATION DOES NOT GUARANTEE THAT IF THE SUPPLY WATER IS SAID PARCELS AT ANY SPECIFIC QUANTITY, FLOW, OR PRESSURE FOR THE PURPOSES OF THE PROJECT.

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT...  
DIRECTOR OF ENGINEERING  
DATE: 03/15/22  
VOD AFTER ONE YEAR FROM THIS DATE

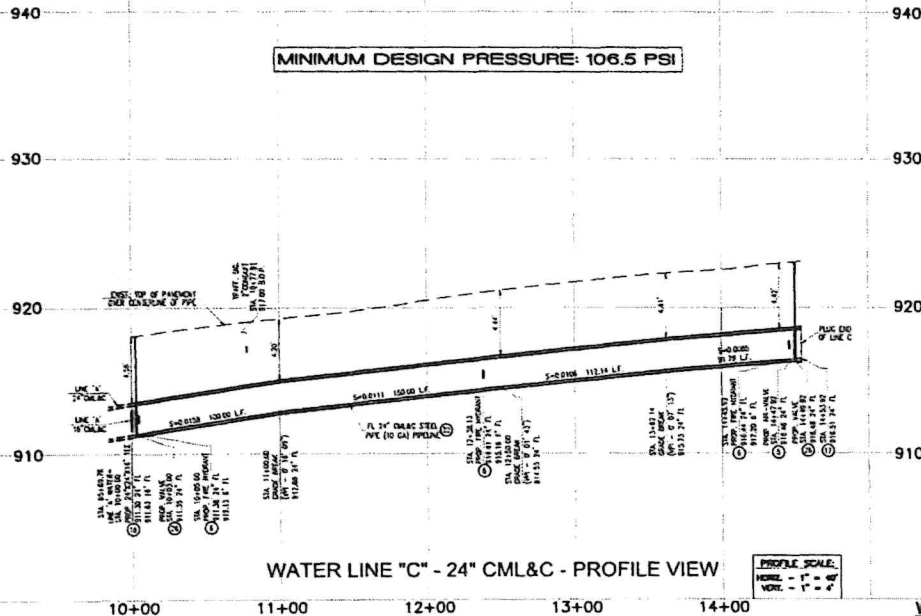


Thiens Engineering, Inc.  
CIVIL ENGINEERING - LAND SURVEYING  
14349 STONESTONE BOULEVARD  
LA BREA, CALIFORNIA 90038  
PH: (310) 441-1111  
APPROVED BY: [Signature]  
REGISTERED ENGINEER No. 58152 DATE: 3/15/22

SCALE: 1" = 40'  
FIELD BOOK  
DESIGN: M.R.  
DRAWN: D.T.  
CHECKED: R.S.

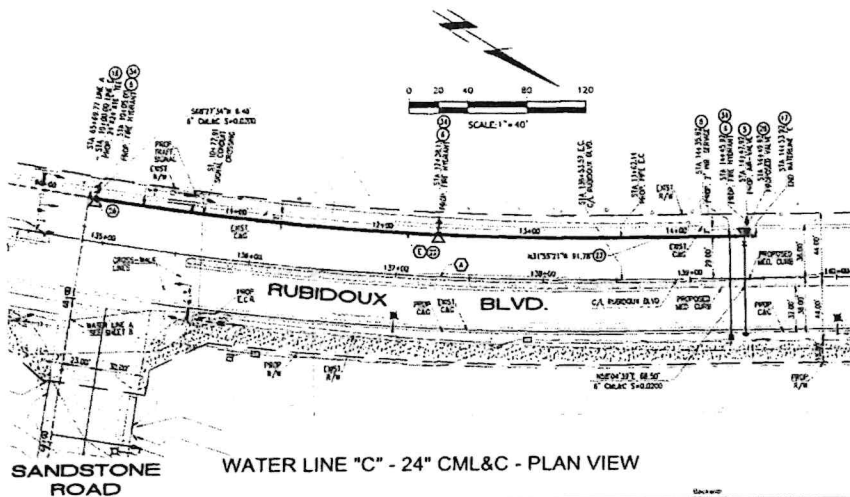
RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
LINE "B" PLAN & PROFILE  
STA. 10+00.00 TO STA. 19+84.87

SHEET  
10  
OF 18 SHEETS  
A.C.S.D. PLAN 1



WATER LINE "C" - 24" CML&C - PROFILE VIEW

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



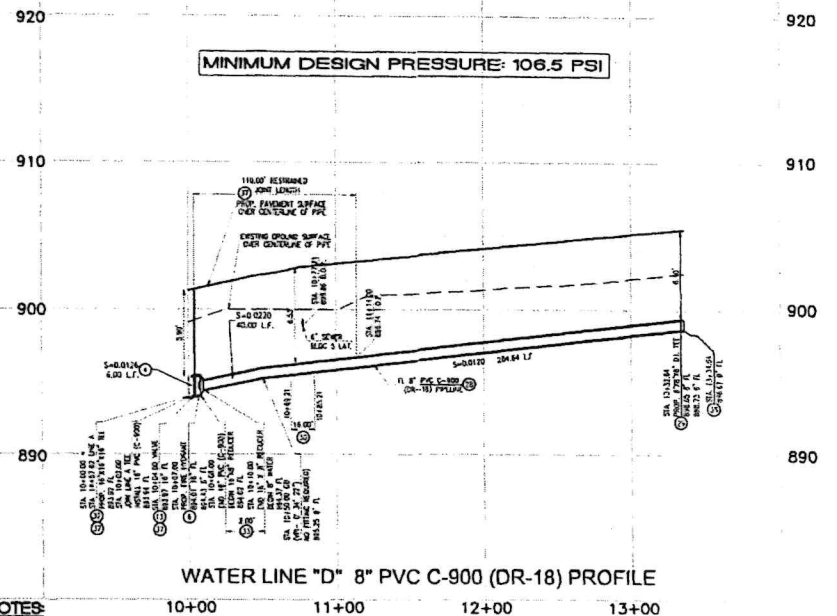
WATER LINE "C" - 24" CML&C - PLAN VIEW

**WATER CONSTRUCTION NOTES:**

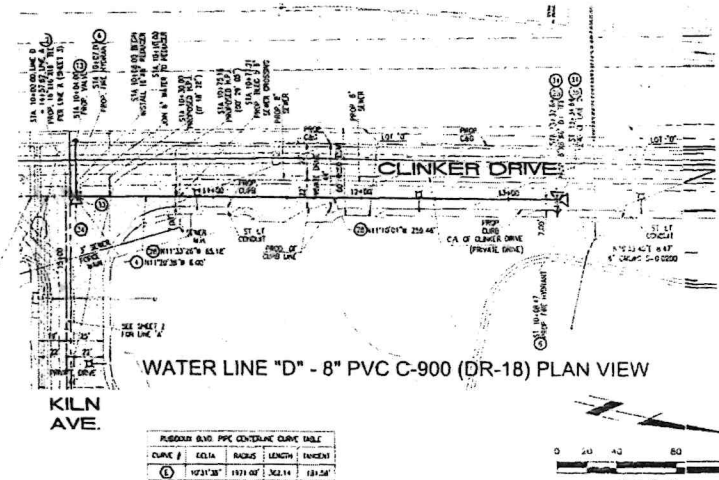
NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY DEPTH AND LOCATION. DIMENSION OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.

- 1) INSTALL 16" PVC C-900 (DR-15) WATER MAIN PER RCSD STANDARDS, WITH THRUST BLOCK RESTRAINT PER RCSD STD. ENG. C40. TRENCH AND BACKFILL PER RCSD STD. ENG. C40.
- 2) INSTALL 2" AIR VALVE ASSEMBLY PER RCSD STD. ENG. W1070
- 3) INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCSD STD. ENG. W1060
- 4) INSTALL 2" BRASS/STAIN WATER SERVICE, WATER AND WATER BEN (COMPLETE) PER RCSD STD. ENG. W1110 & 2" BACKFLOW PER RCSD STD. ENG. W1130
- 5) INSTALL 16" BUTTERFLY VALVE PER RCSD STD. ENG. W1030
- 6) INSTALL 24"x24"x16" O.D. FLANGED STEEL BEE PER RCSD STANDARDS, TRENCH AND BACKFILL PER RCSD STD. ENG. C40.
- 7) INSTALL O.D. 24" BLIND FLANGE AND THRUST BLOCK PER RCSD STD.
- 8) INSTALL 24" O.D. (10 O.D.) STEEL PIPE WATER MAIN PER RCSD STANDARDS, WITH THRUST BLOCK RESTRAINT PER RCSD STD. ENG. C40. TRENCH AND BACKFILL PER RCSD STD. ENG. C40.
- 9) INSTALL 8"x8"x8" (CLASS 350 DUCTILE IRON) BEE
- 10) CONTRACTOR TO AVOID PLACING PVC JOINTS IN THIS SPAN
- 11) INSTALL 18"x18"x16" (CLASS 350 DUCTILE IRON) BEE
- 12) INSTALL 16"x16" (CLASS 350 DUCTILE IRON) REDUCER
- 13) INSTALL THRUST BLOCK RESTRAINT PER RCSD STD. ENG. C40
- 14) INSTALL 8" O.D. BLIND FLANGE
- 15) PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14

MINIMUM DESIGN PRESSURE: 106.5 PSI



WATER LINE "D" 8" PVC C-900 (DR-18) PROFILE



WATER LINE "D" - 8" PVC C-900 (DR-18) PLAN VIEW

PIPE #	OD	WALL	LENGTH	TANGENT
1	24.00"	0.375"	119.38'	115.24'

PIPE #	OD	WALL	LENGTH	TANGENT
1	18.00"	0.375"	107.00'	103.58'

48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P.M. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM WATER PLANS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE ADAPTED TO SUPPLY WATER SERVICE TO SAID PARCELS AND THAT THE CERTIFICATION DOES NOT GUARANTEE THAT THE SUPPLY WATER TO SAID PARCELS AT ANY SPECIFIC QUANTITIES, FLOWS, OR PRESSURES FOR THE PROTECTION OF ANY PARTY.

D. J. McMillan, Community Services District  
Civil Engineering, Civil and Electrical  
16400 E. Janga Valley, CA 95020  
Telephone: (916) 938-7700  
Contract No. 2019-001-0001  
Date: 07/27/2019 10:44:27 AM

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:

DATE: \_\_\_\_\_  
VOO AFTER ONE YEAR FROM THIS DATE: \_\_\_\_\_

DATE BY

REVISIONS

REGISTERED PROFESSIONAL ENGINEER  
STATE OF CALIFORNIA  
No. 51125  
Exp. 12-31-22

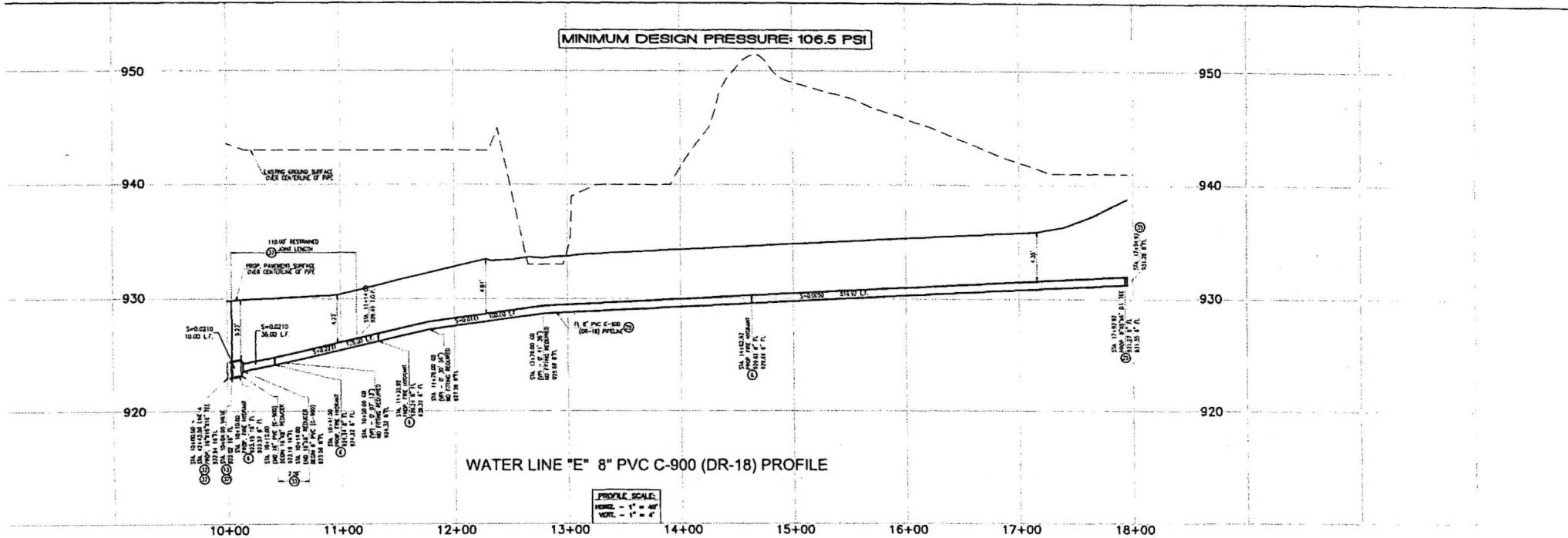
**T&E Thienes Engineering, Inc.**  
CIVIL ENGINEERING & LAND SURVEYING  
14140 FIRESTONE BOLLINGER  
LA MIRADA, CALIFORNIA 90638  
(714) 941-4411 (951) 421-4111

APPROVED BY:   
REGISTERED ENGINEER No. 28125 DATE: 07/27/2019

SCALE: 1" = 40'  
FIELD BOOK  
DESIGN: M.R.  
DRAWN: D.T.  
CHECKED: R.S.

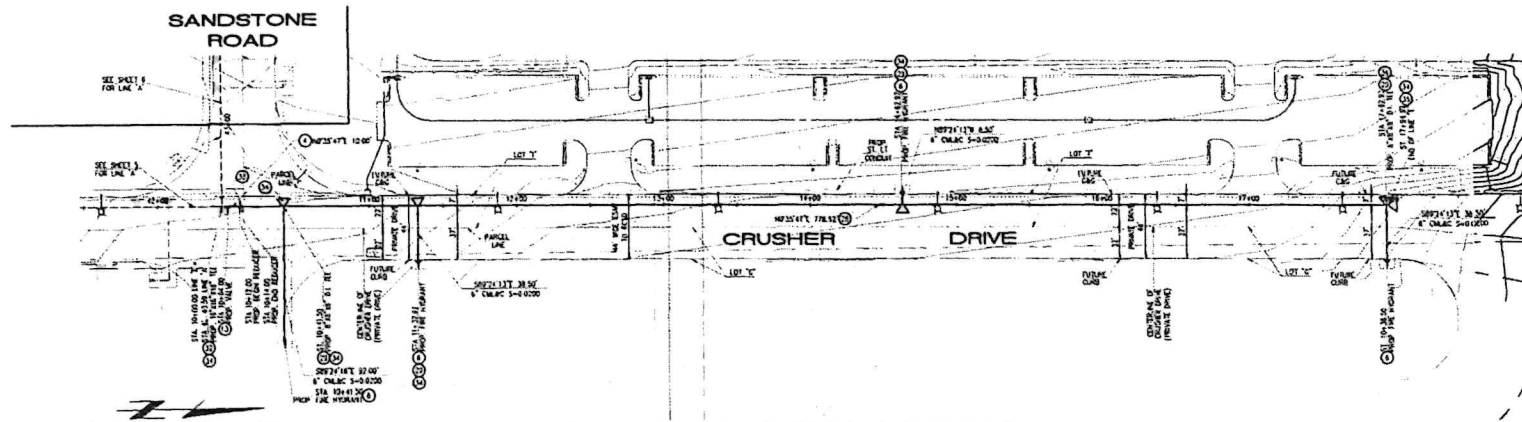
RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
LINE "C" PLAN & PROFILE  
STA. 10+00.00 TO STA. 14+53.92  
LINE "D" PLAN & PROFILE  
STA. 10+00.00 TO STA. 13+41.11

SHEET 11  
OF 10 SHEETS  
R.C.S.D. PLAN 1



WATER LINE "E" 8" PVC C-900 (DR-18) PROFILE

PROFILE SCALE:  
 HORIZ. = 1" = 40'  
 VERT. = 1" = 4'



WATER LINE "E" - 8" PVC C-900 (DR-18) PLAN VIEW

**WATER CONSTRUCTION NOTES:**

- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY LOCATIONS AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- 1) INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER RCDSD STANDARDS, WITH THRUST BLOCK RESTRAINT PER RCDSD STD. DWG. C40. TRENCH AND BACKFILL PER RCDSD STD. DWG. C20
  - 2) INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCDSD STD. DWG. W1030
  - 3) INSTALL 16" BUTTERFLY VALVE PER RCDSD STD. DWG. W1030
  - 4) INSTALL 8" PVC C-900 (DR-18) WATER MAIN PER RCDSD STANDARDS, WITH THRUST BLOCK RESTRAINT PER RCDSD STD. DWG. C40. TRENCH AND BACKFILL PER RCDSD STD. DWG. C20
  - 5) INSTALL 8"x8" (CLASS 350 DUCTILE IRON) TEE
  - 6) INSTALL 16"x16"x16" (CLASS 350 DUCTILE IRON) TEE
  - 7) INSTALL 16"x8" (CLASS 350 DUCTILE IRON) PECKER.
  - 8) INSTALL THRUST BLOCK RESTRAINT PER RCDSD STD. DWG. C40.
  - 9) INSTALL 6" O.D. BLIND FLANGE.
  - 10) PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14

48 hours BEFORE excavation  
 (800) 227-2600  
 CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P.M. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM PLANS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT, AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE INSTALLED TO SUPPLY WATER SERVICE TO SAID PARCELS AND THAT THE CONTRACTOR DOES NOT GUARANTEE THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ANY SPECIFIC QUANTITIES, FLOWS, OR PRESSURES FOR THE INTENTION OF BUSINESS PURPOSE.

D. Thielen, Community Services District  
 Director

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION

DATE: 12/31/23  
 DIRECTOR OF CONSTRUCTION  
 REC: 41258

NO.	REVISIONS	DATE	BY

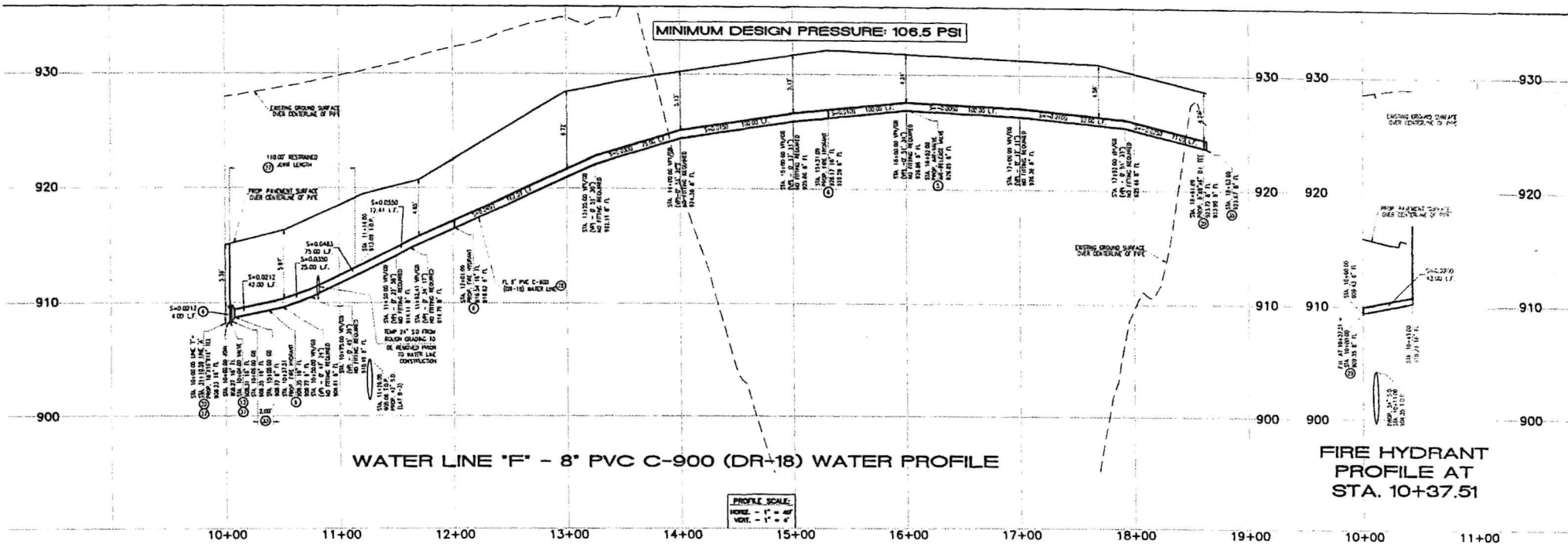


**Thiessen Engineering, Inc.**  
 ONE ENGINEERING & LAND SURVEYING  
 14349 FORESTONE BOULEVARD  
 LA BUREAU, CALIFORNIA 95620  
 (916) 921-4941, (916) 921-4124

APPROVED BY: [Signature]  
 REGISTERED ENGINEER No. 58152 DATE: 12/27/23

RUBIDOUX COMMUNITY SERVICES DISTRICT  
 WATER IMPROVEMENT PLAN FOR  
 PARCEL MAP NO. 37528  
 LINE "E" PLAN & PROFILE  
 STA. 10+00.00 TO STA. 18+31.92

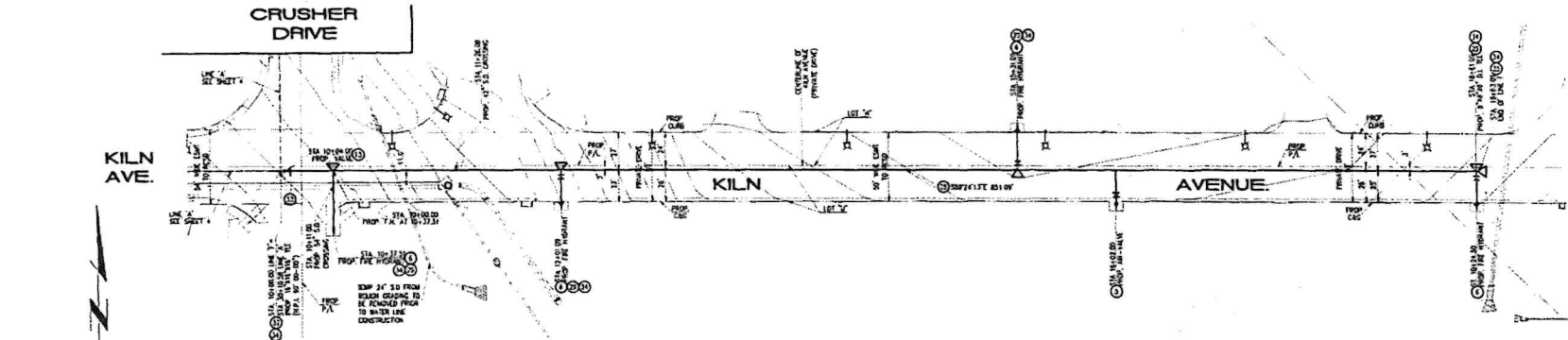
SHEET  
**12**  
 OF 18 SHEETS  
 R.C.S.D. PLAN



WATER LINE "F" - 8" PVC C-900 (DR-18) WATER PROFILE

FIRE HYDRANT PROFILE AT STA. 10+37.51

PROFILE SCALE:  
HORIZ. = 1" = 40'  
VERT. = 1" = 4'



WATER LINE "F" - 8" PVC C-900 (DR-18) WATER PLAN VIEW

**WATER CONSTRUCTION NOTES:**

- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY SIZES AND LOCATIONS. ENLARGER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
1. INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER M200 STANDARDS, WITH THRUST BLOCK RESISTANCE PER M200 STD. ENG. W/100
  2. INSTALL 2" AIR VALVE ASSEMBLY PER M200 STD. ENG. W/100
  3. INSTALL 4" COMMERCIAL FIRE HYDRANT PER M200 STD. ENG. W/100
  4. INSTALL 16" BUTTERFLY VALVE PER M200 STD. ENG. W/100
  5. INSTALL 8" PVC C-900 (DR-18) WATER MAIN PER M200 STANDARDS, WITH THRUST BLOCK RESISTANCE PER M200 STD. ENG. (240 TRENCH AND BACKFILL PER M200 STD. ENG. W/100)
  6. INSTALL 18"x18" (CLASS 300 DUCTILE IRON) TEE
  7. INSTALL 18"x18" (CLASS 300 DUCTILE IRON) TEE
  8. INSTALL 18"x18" (CLASS 300 DUCTILE IRON) REDUCER
  9. INSTALL THRUST BLOCK RESISTANCE PER M200 STD. ENG. W/100
  10. INSTALL 6" DI BLIND FLANGE
  11. PROVIDE JOINT RESTRAINT PER DETAILS ON 5-SHEET 14

48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR THE JOBS IS IN ACCORDANCE WITH THE WATER SYSTEM IMPROVEMENT PLAN OF THE RIBUDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, DRAINAGE AND SEWERAGE SYSTEM SHALL BE SUBJECT TO SUPPLY WATER SERVICES TO THE PARCELS OF THE TRACT, AND THAT OPERATIONS DOES NOT GUARANTEE THAT IT WILL SUPPLY WATER TO THE PARCELS OF ANY SPECIFIC QUARTER, BLOCK, OR PRECINCT FOR THE PURPOSES OF THE DEVELOPMENT OF ANY PURPOSE.

Director of Engineering, RCE 4878

APPROVED BY THE RIBUDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION

DATE: 4/23/24

VOTED AFTER ONE YEAR FROM THIS DATE

**Thienes Engineering, Inc.**  
CIVIL ENGINEERING - LAND SURVEYING  
14340 FIRESTONE BOULVARD  
LA BREA, CALIFORNIA 90038  
PH: (310) 511-1111

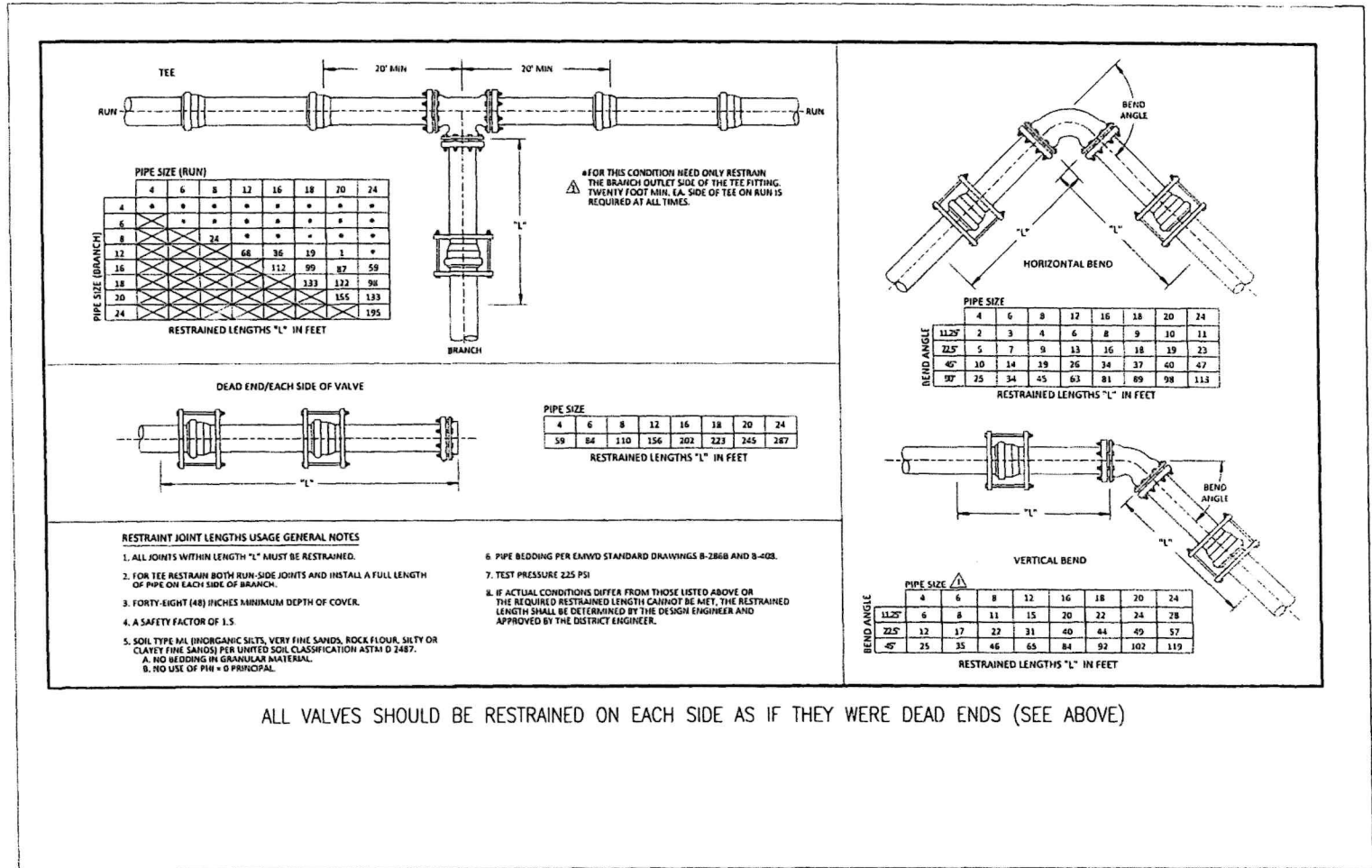
APPROVED BY: [Signature]  
REGISTERED ENGINEER No. 55155 DATE: 4/23/24

SCALE: 1" = 40'  
FIELD BOOK

DESIGN: M.R.  
DRAWN: D.T.  
CHECKED: R.S.

RIBUDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
LINE "F" PLAN & PROFILE  
STA. 10+00.00 TO STA. 18+85.59

SHEET  
**13**  
OF 18 SHEETS  
R.C.S.D. PLAN N



ALL VALVES SHOULD BE RESTRAINED ON EACH SIDE AS IF THEY WERE DEAD ENDS (SEE ABOVE)



48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P.H. NO. 37528 IS IN ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE DESIGNED TO SUPPLY WATER SERVICE TO SAID PARCELS OF SAID PARCEL MAP. THIS CERTIFICATION DOES NOT GUARANTEE THAT I WILL SUPPLY WATER TO SAID PARCELS AT ANY FUTURE DATE, QUANTITY, FLOW, OR PRESSURE.

DISTRICT ENGINEER  
CIVIL ENGINEERING  
14345 FIRESTONE BOULEVARD  
LA BERRA, CALIFORNIA 90008  
(PH) 310-341-4111 (EXT) 1031-1131  
FAX 310-341-4111

DISTRICT ENGINEER  
CIVIL ENGINEERING  
14345 FIRESTONE BOULEVARD  
LA BERRA, CALIFORNIA 90008  
(PH) 310-341-4111 (EXT) 1031-1131  
FAX 310-341-4111

DIRECTOR OF ENGINEERING, REC 4978

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT DISTRICT ENGINEER

DATE: \_\_\_\_\_

VOID AFTER ONE YEAR FROM THIS DATE

NO.	REVISIONS	DATE	BY



**Thienes Engineering, Inc.**  
CIVIL ENGINEERING & LAND SURVEYING  
14345 FIRESTONE BOULEVARD  
LA BERRA, CALIFORNIA 90008  
(PH) 310-341-4111 (EXT) 1031-1131  
FAX 310-341-4111

APPROVED BY: *[Signature]*  
REGISTERED ENGINEER No. 58125 DATE: 3/17/22

SCALE: 1" = 40'  
FIELD BOOK  
DESIGN: M.R.  
DRAWN: D.T.  
CHECKED: R.S.

RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
EMWD STD. B-663  
STANDARDS FOR RESTRAINT CONNECTIONS

SHEET  
**14**  
OF 18 SHEETS  
R.C.S.D. PLAN

Rev. November 17, 2020  
C:\Users\jrb\OneDrive\Documents\...



License Agreement for Pipeline Crossing Agreement

PIPELINE CROSSING AGREEMENT

This Agreement ("Agreement") is made and entered into as of February 16, 2022 ("Effective Date") by and between UPRR PACIFIC RAILROAD COMPANY, a Division of Union Pacific Corporation ("UPRR") and RIBUDOUX COMMUNITY SERVICES DISTRICT, an unincorporated association ("Riboudoux")...

IT IS MUTUALLY AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:

ARTICLE I. LICENSE GRANTS RIGHTS

A. In consideration of the license fee to be paid by Licensee and in full satisfaction of the agreement and agreement to be performed by Licensee, Licensee hereby grants to Licensee the right to construct and operate, during the term hereof, and operate and maintain the pipeline crossing and related facilities...

B. Licensee represents and warrants that Licensee's facilities will only be used for (1) underground water and (2) other uses as may be authorized by a permit issued by the State of California...

C. Licensee acknowledges that it is an unincorporated association and that its members are not employees of Licensee...

ARTICLE II. LICENSE FEE

Under the terms of this Agreement, the Licensee shall pay to the Licensee a license fee of \$10,000.00 per year...

ARTICLE III. TERM

This agreement shall have effect as of the Effective Date hereof and shall continue in full force and effect until terminated as provided in the "TERMINATION" SECTION OF EXHIBIT B...

ARTICLE IV. LICENSEE'S OBLIGATIONS WITH GENERAL TERMS

Licensee represents and warrants that all work on Licensee's facilities shall be performed by Licensee or its contractors and shall only use UPRR tracks and facilities as shown on the site plan...

ARTICLE V. INSURANCE

A. During the term of this Agreement, Licensee shall fully comply with all requirements to fully comply with the insurance requirements described in Exhibit C...

B. If Licensee is subject to regulation by any state or federal authority and/or filing of any state or federal documents in connection with Exhibit C of this Agreement...

ARTICLE VI. DEFINITION OF LICENSEE

For purposes of this Agreement, all references to this Agreement or Licensee will include Licensee's contractors, subcontractors, officers, agents and employees, and others acting under its authority...

ARTICLE VII. ATTORNEY'S FEES, COSTS, AND CHARGES

In the event of either party's failure to comply with its obligations under this Agreement, the other party shall be entitled to recover its reasonable attorney's fees and costs...

ARTICLE VIII. WAIVER OF BREACH

The waiver by Licensee of the breach of any condition, covenant or agreement herein shall not be deemed a waiver of any other condition, covenant or agreement herein...

ARTICLE IX. ASSIGNMENT

A. Licensee shall not assign this Agreement, in whole or in part, or any rights hereunder, without the written consent of Licensee...

Upon Licensee's written consent to any assignment, this Agreement will be binding upon and for the benefit of the transferee, transferees, heirs and assigns, now and then, and successors.

ARTICLE X. SEVERABILITY

Any provision of this Agreement which is determined by a court of competent jurisdiction to be unenforceable shall be severed and the remainder of this Agreement shall remain in full force and effect...

ARTICLE XI. NOTICES

Except Licensee's communication of work notices required under Exhibit B, all other notices required by this Agreement shall be in writing and shall be personally served upon the Licensee at the address shown in Exhibit B...

Licensee: Union Pacific Railroad Company, 1800 Douglas Street, Suite 1000, Denver, Colorado 80202

Licensee: RIBUDOUX COMMUNITY SERVICES DISTRICT, 1000 Main Street, Riboudoux, California 92526

Licensee: RIBUDOUX COMMUNITY SERVICES DISTRICT, 1000 Main Street, Riboudoux, California 92526

ARTICLE XII. SPECIAL PROVISIONS - UPRR TRACKS CROSSING

Licensee represents and warrants that Licensee's facilities shall be constructed and operated in accordance with the UPRR License Agreement and shall not be used for any other purpose...

ARTICLE XIII. RECORDS MANAGEMENT

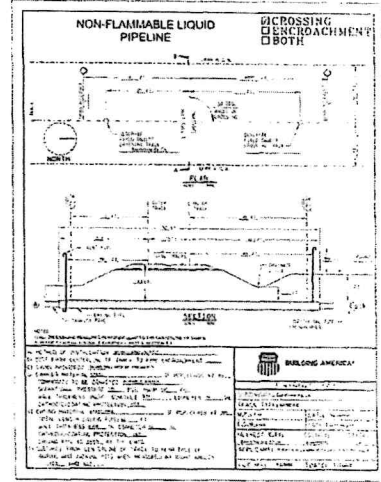
Licensee shall maintain and preserve all records and documents relating to this Agreement and the construction and operation of Licensee's facilities...

ARTICLE XIV. RECORDS MANAGEMENT

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed and signed by their authorized representatives...

UNION PACIFIC RAILROAD COMPANY RIBUDOUX COMMUNITY SERVICES DISTRICT

By: [Signature] Licensee: [Signature]



License Agreement for Pipeline Crossing Agreement

EXHIBIT B

GENERAL TERMS AND CONDITIONS

SECTION 1. LIMITATION AND SCOPE OF RIGHTS GRANTED

A. The foregoing grant is subject and subordinate to the provisions of this Agreement and shall not be construed to grant any other rights or interests in the pipeline crossing and related facilities...

B. The foregoing grant is also subject to the following special provisions which shall apply to the construction and operation of Licensee's facilities...

SECTION 2. ENGINEERING REQUIREMENTS, PERMITS

A. Licensee's facilities shall be designed, constructed, operated, maintained, repaired, replaced, modified, reconstructed, removed, or abandoned in place on Railroad Property by Licensee or its contractors in accordance with all applicable laws, rules, and regulations...

B. Licensee shall keep all of Licensee's facilities completely covered and maintained in good order and repair throughout the term of this Agreement...

C. If needed, Licensee shall submit to Licensee's approval any and all necessary permits and approvals for the construction and operation of Licensee's facilities...

SECTION 3. NOTICE OF COMMENCEMENT OF WORK - EMERGENCIES

A. Licensee and its contractors shall notify Licensee in writing immediately upon commencement of any work associated with Licensee's facilities within Licensee's right-of-way...

Licensee shall not commence any work until Licensee has determined whether it is safe to proceed with any proposed work...

SECTION 4. EMERGENCY

In the event of an emergency involving Licensee's facilities, Licensee or its contractors shall immediately contact Licensee's Response Management Center at (800) 877-7272.

SECTION 5. SAFETY

A. Licensee shall comply with all applicable laws, rules, and regulations relating to the safety of Licensee's facilities and the safety of the public...

B. If any Safety Measures are performed or provided by Licensee, Licensee shall be held liable for any and all damages or injuries resulting from the performance of the work by Licensee or its contractors...

C. In the event of an emergency involving Licensee's facilities, Licensee or its contractors shall immediately contact Licensee's Response Management Center at (800) 877-7272.

SECTION 6. RECORDS MANAGEMENT

Licensee shall maintain and preserve all records and documents relating to this Agreement and the construction and operation of Licensee's facilities...

D. Licensee shall submit to Licensee's approval any and all necessary permits and approvals for the construction and operation of Licensee's facilities...

E. Licensee shall submit to Licensee's approval any and all necessary permits and approvals for the construction and operation of Licensee's facilities...

F. Licensee shall submit to Licensee's approval any and all necessary permits and approvals for the construction and operation of Licensee's facilities...

G. Licensee shall submit to Licensee's approval any and all necessary permits and approvals for the construction and operation of Licensee's facilities...



48 hours BEFORE excavation (800) 227-2600 CALL Underground Service Alert

APPROVED BY THE RIBUDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION. DATE: [blank] DIRECTOR: [blank]

UNIVERSITY PROFESSIONAL SERVICE REGISTERED ENGINEER STATE OF CALIFORNIA

Thienes Engineering, Inc. CIVIL ENGINEERING - LAND SURVEYING 14100 FIRESTONE BOULEVARD LA BREA, CALIFORNIA 90009

SCALE: 1"=40' RUBIDOUX COMMUNITY SERVICES DISTRICT WATER IMPROVEMENT PLAN FOR PARCEL MAP NO. 37528 PHASE II UPRR LICENSE AGREEMENT

SHEET 15 OF 18 SHEETS R.C.S.O. PLAN I



Recording Requested by:

RUBIDOUX COMMUNITY SERVICES  
DISTRICT

When recorded, please return this deed to:

RUBIDOUX COMMUNITY SERVICES  
DISTRICT  
P.O. BOX 3098  
RIVERSIDE, CA 92519

For recorder's use only

Exempt from recording fee pursuant to Government Code Section 6103

**RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER AND/OR SEWER SYSTEM GRANT DEED**

FOR VALUABLE CONSIDERATION paid and received, AGUA MANSA COMMERCE PHASE II, LLC, a Delaware limited liability company (the "Developer") hereby grant(s) to RUBIDOUX COMMUNITY SERVICES DISTRICT (the "District"), and the District hereby accepts, all right, title and interest in the water system improvements for the entire water distribution and/or sewer collection system facilities for the development referenced with records of the County of Riverside, State of California as "Agua Mansa Commerce Park" and agrees to indemnify the District for any and all claims, liens, causes of action or any type of liability arising from or in any way related to the construction of said facilities by the Developer.

Said water and/or sewer system improvements are shown in detail on the construction drawings (1) Parcel Map No. 37528, Filed April 27, 2022, in Book 254 of Parcel Maps, at Pages 7-25, inclusive, in the Office of the County Recorder of Riverside; Sewer Improvement Plan, Rubidoux Community Services District, Sheets 1-8; and (2) Parcel Map No. 37528, Filed April 27, 2022, in Book 254 of Parcel Maps, at Pages 7-25, inclusive, in the Office of the County Recorder of Riverside; Water Improvement Plan Phase II, Rubidoux Community Services District, Sheets 1-16 for said development. This Grant Deed is effective upon the Developer providing the Unconditional Lien Waiver and Release and upon filing of the Notice of Completion by the District for the aforementioned water and/or sewer system improvements.

GRANTORS for his heirs, executors and administrators, covenants and agrees to warrant and defend this sale of property, goods and chattels, against all and every persons claiming the same.



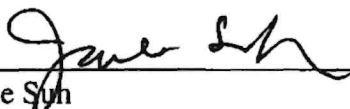
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA                    }  
  } ss.  
COUNTY OF SAN FRANCISCO        }

On March 31<sup>st</sup>, 2023 before me, JANE SUH, Notary Public, personally appeared PEDRO SANCHEZ, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

  
\_\_\_\_\_  
Jane Suh

(seal)



**CERTIFICATE OF ACCEPTANCE OF AND CONSENT TO  
GRANT DEED AND BILL OF SALE**

THIS IS TO CERTIFY that the attached Grant Deed and Bill of Sale for all sewer improvements which AQUA MANSA COMMERCE PHASE II, LLC, a Delaware limited liability company (“Grantor”) has constructed within the public street commonly known as Avalon Street between Alta Street and Mission Boulevard, is hereby accepted by the RUBIDOUX COMMUNITY SERVICES DISTRICT (“Grantee”) on the date set forth below. Grantee consents to the recordation thereof by its duly authorized officer. Grantee acknowledges and agrees that Grantee shall be responsible for ownership, operation and maintenance of such utility assets.

Date: \_\_\_\_\_, 2023

(SEAL)

RUBIDOUX COMMUNITY SERVICES DISTRICT

By: \_\_\_\_\_

Name: Brian Laddusaw

Its: General Manager

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.
--

State of California )  
County of Riverside )

On \_\_\_\_\_, before me, \_\_\_\_\_, a Notary Public, personally appeared \_\_\_\_\_, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

**EXHIBIT "A"**

**DEPICTION OF RCSD FACILITIES INCLUDED IN THIS CONVEYANCE**

*[to be attached]*

2022-01979e1  
08.15.21  
51  
K52

IN THE CITY OF JURUPA VALLEY, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

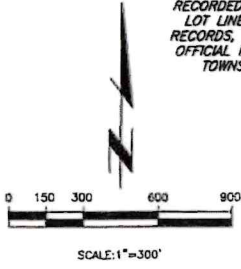
SHEET 9 OF 19 SHEETS

# PARCEL MAP NO. 37528

BEING A SUBDIVISION OF LOTS 8, 9 AND 14 AND PORTIONS OF LOTS 3, 15, AND 16, ALL LOTS OF MAP OF RIVINO HEIGHTS BLOCK 1, AS PER MAP RECORDED IN BOOK 5, PAGES 145 OF MAPS, TOGETHER WITH PORTIONS OF RIVINO BOULEVARD (VACATED), ALSO TOGETHER WITH LOTS 1 THROUGH 18, INCLUSIVE, OF RIVINO GARDENS, AS PER MAP RECORDED IN BOOK 21, PAGE 29 OF MAPS, ALSO TOGETHER WITH PARCEL "B" OF LOT LINE ADJUSTMENT NO. 5218, RECORDED MAY 29, 2008 AS INSTRUMENT NO. 2008-0291639 OF OFFICIAL RECORDS, PARCELS "A", "B", AND "C" OF LOT LINE ADJUSTMENT NO. LLA 1718, RECORDED JUNE 30, 2021 AS INSTRUMENT NO. 2021-0394779 OF OFFICIAL RECORDS, AND PARCEL 13 OF GRANT DEED, RECORDED SEPTEMBER 10, 2020 AS INSTRUMENT NO. 2020-0427543 OF OFFICIAL RECORDS, ALL IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, LYING WITH SECTIONS 2 AND 3, TOWNSHIP 2 SOUTH, RANGE 5 WEST, SAN BERNARDINO MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

THIENES ENGINEERING, INC.

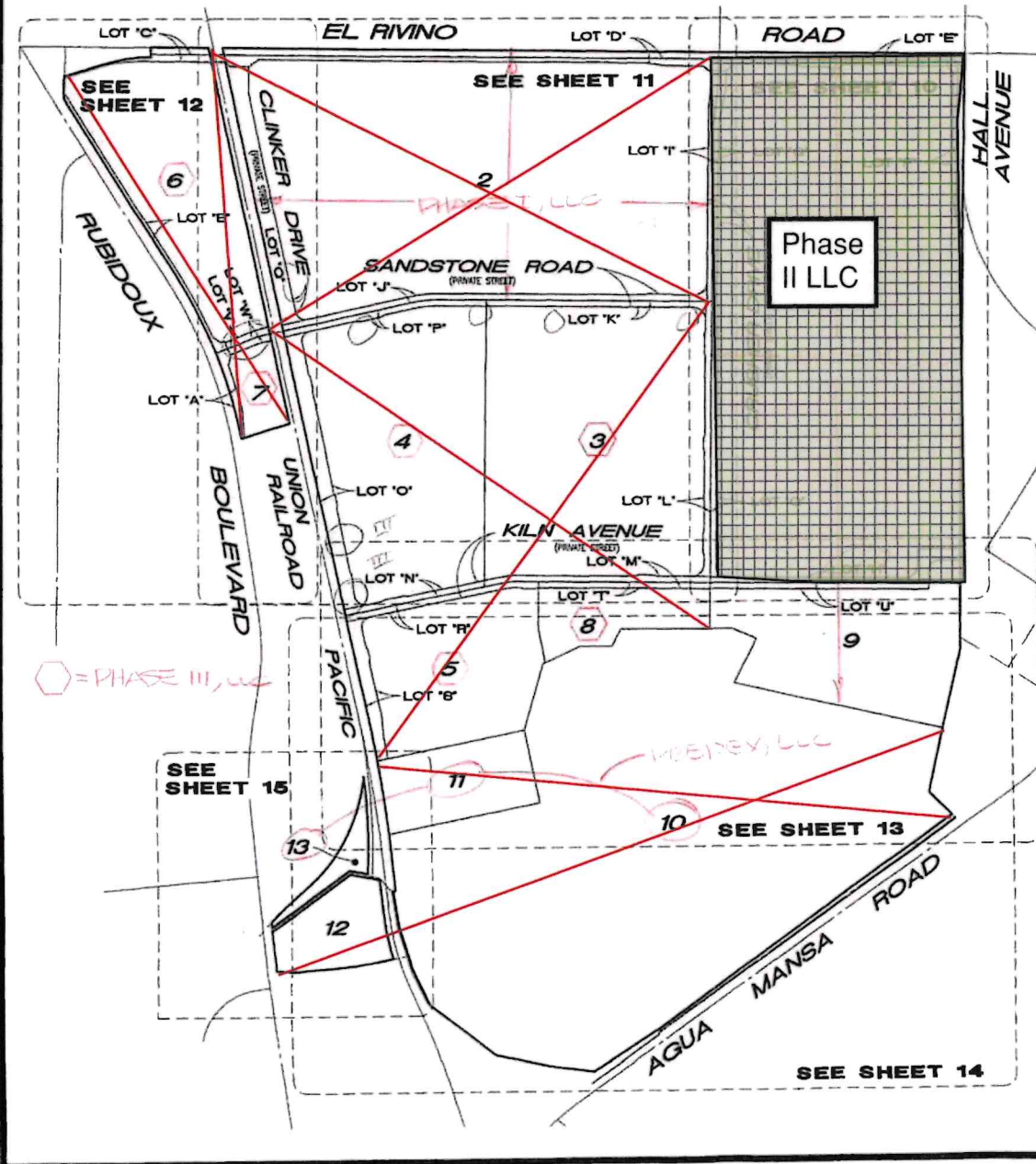
OCTOBER, 2020



### SHEET INDEX:

- SEE SHEET 2 FOR VICINITY MAP AND BASIS OF BEARINGS
- SEE SHEET 3 FOR MONUMENT & ESTABLISHMENT NOTES
- SEE SHEET 4 FOR BOUNDARY INDEX
- SEE SHEETS 5 THROUGH 8 FOR ADDITIONAL BOUNDARY DETAILS
- SEE SHEET 10 FOR PARCEL 1 AND LOTS "E" & "F" DETAILS
- SEE SHEET 11 FOR PARCELS 2, 3 & 4 AND LOTS "D" DETAILS
- SEE SHEET 12 FOR PARCELS 6 & 7 AND LOTS "A" & "B" DETAILS
- SEE SHEET 13 FOR PARCELS 5, 8, 9, & 11 DETAILS
- SEE SHEET 14 FOR PARCEL 10 DETAILS
- SEE SHEET 15 FOR PARCELS 12 & 13 DETAILS
- SEE SHEETS 16 THROUGH 19 FOR DETAILS OF EXISTING EASEMENTS

### INDEX SHEET



Ownership Per  
PTR  
587-1010



**EXHIBIT "B"**

Description  
of Location of  
RCSD Facilities

DESCRIPTION OF FACILITIES

DETAILED DESCRIPTION.

GENERAL NOTES:

- 1. ALL WORK SHALL CONFORM TO THE DESIGN AND CONSTRUCTION STANDARDS OF RCSD FOR ALL MAIN AND SANITARY SEWER FACILITIES.
2. SEWER SYSTEM SHALL BE CONSTRUCTED BY THE DEVELOPER FOR DELIVERY TO THE RUBIDOUX COMMUNITY SERVICES DISTRICT.
3. CONSTRUCTION OF THE SEWER SYSTEM SHALL NOT COMMENCE UNTIL A FINAL MAP HAS BEEN RECEIVED BY RUBIDOUX COUNTY AND THE DEVELOPER'S ENGINEER HAS CERTIFIED THAT ALL STREETS ARE CONSTRUCTED TO FINAL GRADE FOR CURB AND GUTTER.
4. CONTRACTOR SHALL PROVIDE FRENCH PROTECTION AND COMPLETE ALL CONSTRUCTION IN ACCORDANCE WITH CALIFORNIA REQUIREMENTS AND SHALL DETERMINE DEPTH AND LOCATION OF EXISTING UNDERGROUND FACILITIES PRIOR TO TRENCHING.
5. PIPE SHALL BE HANDLED SO AS TO PROTECT THE PIPE AT ALL TIMES AND SHALL BE PROTECTED AGAINST FLOODING AT ALL TIMES.
6. PIPE JOINTS SHALL NOT BE DEFLECTED AT ANY ANGLE GREATER THAN THE MAXIMUM ANGLE RECOMMENDED BY THE PIPE MANUFACTURER.
7. DEPTH AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHALL BE DETERMINED BY THE CONTRACTOR BY PROPELTING PIPES TO TRENCHING.
8. WHERE THE SEWER MAIN CROSSES STREAM DRAINS, OTHER PIPELINES, TELEPHONE AND ELECTRIC CABLES, A MINIMUM OF 12 INCHES OF CLEARANCE SHALL BE PROVIDED BETWEEN THE MAIN AND OTHER SERVICES.
9. CONNECTIONS TO EXISTING RCSD SEWER PIPELINES SHALL NOT BE ACCOMPLISHED UNLESS THE EXISTING INFLECTION IS WITHIN THE RCSD WHO DEEMS TO HAVE THE COMPETENCE IN THE DEVELOPER'S EXPERIENCE.
10. BACKFILL SHALL BE COMPACTED TO THE GREATER OF SOIL RELATIVE DENSITY, EQUIVALENT TO THE SURROUNDING GROUND, OR TO THE REQUIREMENTS OF THE AGENCY HAVING JURISDICTION, WHICHEVER IS MORE STRINGENT.
11. SEWER LATERALS SHALL BE 4" PVC UNLESS OTHERWISE INDICATED.
12. UNLESS INDICATED BY THE RCSD, A 2" WIDE METALLIC LOCATOR PIPE SHALL BE PLACED AT LEAST 6" ABOVE THE PIPE BUT NOT DEEPER THAN 4" FROM THE PROPOSED FINISHED GRADE.
13. ALL SEWERS SHALL BE BUILT, AIR TESTED AND VIDEO INSPECTED PRIOR TO ACCEPTANCE BY THE DISTRICT.
14. SURFACE IMPROVEMENTS DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE RECONSTRUCTED BY THE CONTRACTOR TO THE REQUIREMENTS OF THE AGENCY HAVING JURISDICTION.
15. THE DEVELOPER SHALL PROVIDE ONE SET OF PRINTS SHOWING ALL 2D-BUILT CONDITIONS INCLUDING THE LAYOUT OF SEWER LATERALS, CONNECTIONS AND FINAL ELEVATIONS AS A CONDITION OF FINAL APPROVAL.
16. ANY REVISION TO THESE DRAWINGS MUST BE APPROVED IN WRITING BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT.
17. THE DEVELOPER SHALL BE RESPONSIBLE FOR THE INSTALLATION OF BACKFLOW VALVES WHERE REQUIRED PER UNIFORM PLUMBING CODE AND PER RCSD STANDARDS.
18. THE CONTRACTOR IS ADVISED THAT THE WORK ON THIS PROJECT MAY INVOLVE WORKING IN A CONFINED OR SMALL SPACE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH "CONFINED SPACE" ARTICLE 108, TITLE 8, CALIFORNIA ADMINISTRATIVE CODE.
19. CONTRACTOR SHALL WARRANTY ALL WORK FOR 12 MONTHS AFTER THE DATE OF FINAL INSPECTION.

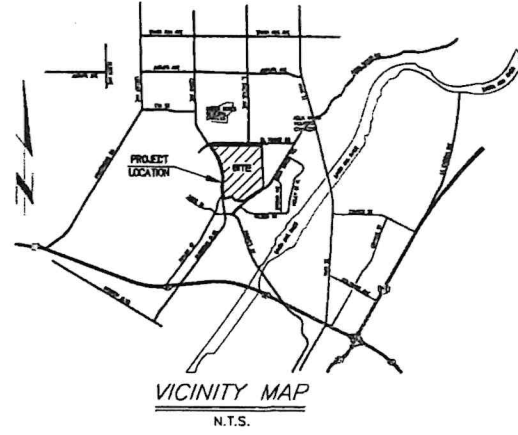
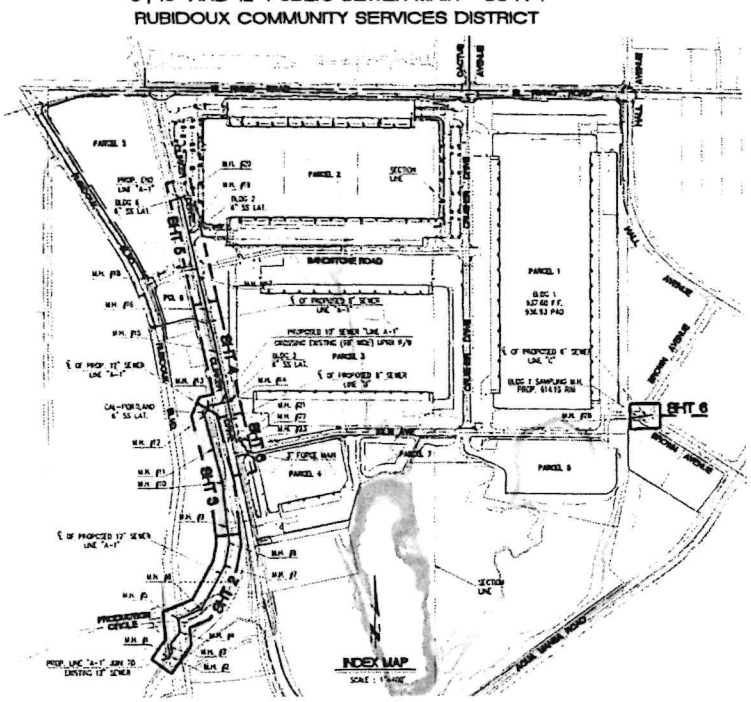
AQUA MANSA COMMERCIAL PREDEV LLC
14121 VON KARMAH, SUITE 200
NEWPORT BEACH, CA 92660
PH. (949) 431-8400
FAX (949) 330-5771

OWNER: AQUA MANSA COMMERCIAL PREDEV LLC
4343 VON KARMAH, SUITE 200
NEWPORT BEACH, CA 92660
BOLOS ENGINEER: LUNAR
32 DECADES PARK, SUITE 130
RIVERSIDE, CA 92514

CIVIL ENGINEER: THOMAS ENGINEERING
11416 PRESIDE BOWLEND
LA MESA, CA 92038

ABBREVIATIONS table listing symbols for PROPERTY LINE, RIGHT OF WAY, CENTERLINE, TOP OF CURB, FLOW LINE, FINISH SURFACE, etc.

PARCEL MAP NO. 37528
SEWER IMPROVEMENT PLAN
8", 10" AND 12" PUBLIC SEWER MAIN - SS A-1
RUBIDOUX COMMUNITY SERVICES DISTRICT



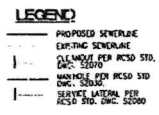
SEWER CONSTRUCTION NOTES:

- 1. CONTRACT 12" VEP SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. DMC. 52010.
2. CONTRACT 10" SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. DMC. C20 (IF PREVIOUSLY EXIST.).
3. CONTRACT 8" SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. DMC. C20 (IF PREVIOUSLY EXIST.).
4. CONTRACT 4" SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. DMC. C20 (IF PREVIOUSLY EXIST.).
5. CONTRACT 4" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RCSD STD. DMC. 52030 AND 52030.
6. CONTRACT SEWER LATERAL PER RCSD STD. DMC. 52030.
7. CONTRACT 4" DIA. PRECAST CONCRETE "SAMPLING" MANHOLE WITH FRAME AND COVER PER RCSD STD. DMC. 52030 AND 52030.
8. REPAIR EXISTING MANHOLE STUB AND CONNECT PER DETAIL ON SHEET 2.
9. DRY BORE AND JACK PER UNION PACIFIC RAILROAD SPECIFICATIONS. INSTALL 10" PVC SEWER LINE IN 10" MANHOLE (LARGER THAN THE) WITH PIPE COVER PER UNION PACIFIC RAILROAD SPECIFICATIONS. (SEE DETAILS ON SHEET 1).
10. NOTE NOT USED.
11. CONTRACT 4" DIA. PRECAST CONCRETE TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. DMC. 52010.
12. CONTRACT 12" SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. DMC. C20 (IF PREVIOUSLY EXIST.).
13. INSTALL LATERAL SOURCE CONNECTION TO EXISTING SEWER MAIN PER RCSD STD. DMC. 52100.
14. INSTALL WARRER POST FOR MANHOLE OUTSIDE OF PAVED AREAS.
15. 3" SCH 40 PVC PRIVATE FORCE MAIN FROM (BUILDING 3) PRIVATE LOT SITION (NOT OWNED OR MAINTAINED BY DISTRICT AND APPROVED BY CITY).
16. 3" SCH 80 PVC 45' ELBOW FOR PRIVATE FORCE MAIN (NOT OWNED OR MAINTAINED BY DISTRICT AND WILL BE REVIEWED AND APPROVED BY CITY).
17. CAL-FORMULAND EXIST. SEPTIC SYSTEM (BANKS, LEACH LINES AND TANKS) INCLUDING EXIST. PERCOLATION MOUND/POLE WELLS SHALL BE REMOVED BY OTHERS DMC. NEW 6" SEWER LATERAL IS INSTALLED AS SHOWN, THE CAL-FORMULAND FACILITIES.

ENCASUREMENT REQUIREMENTS
IN UNION PACIFIC RIGHT OF WAY:

- 1. ALL ENCASUREMENTS, SINGLE DUCTS OR PIPES 6" OR GREATER IN DIAMETER SHALL BE ENCASED. INSTALLATION OF MULTIPLE DUCTS OR PIPES, REGARDLESS OF DIAMETER, SHALL REQUIRE ENCASUREMENT.
2. THE MINIMUM WALL THICKNESS REQUIRED FOR STEEL ENCASUREMENTS IS BASED ON LENGTHS AND DIAMETERS OF PIPES.
3. ENCASUREMENT DOES NOT HAVE TO BE PLACED WITH UN-GRATED BRICKS OR OTHER SUITABLE MATERIAL APPROVED BY THE UPRT REPRESENTATIVE.
4. THE UNION PACIFIC REPRESENTATIVE MAY REQUIRE THE PROMINENT TO PREPARE GRADE, FILLING AND VEGG. EXISTING IN THE COURSE OF THE PROMINENT ROAD, BRIDGING SHALL BE AS THE DISPOSE OF THE PROMINENT. GRUNT HOLES WHEN PLACED INSIDE OF THE PIPE, GENERALLY ON DIAMETERS OF 36" OR GREATER, SHALL BE OF AN EXTENSIVE UNDERSTANDING AND OFFSET 21 DEGREES FROM VERTICAL, AND CHANGING TO THE LEFT AND RIGHT OF THE TOP LONGITUDINAL AXIS OF THE PIPE. GREAT PREASURE SHALL NOT EXCEED 3 PPS FOR A DURATION SUFFICIENT TO FILL ALL HOLES.
5. THERE IS A UNION REQUIREMENT WHEN PLACEMENT OF MULTIPLE ENCASUREMENTS IS REQUIRED, THE DISTANCE BETWEEN MULTIPLE ENCASUREMENTS SHALL BE THE GREATER OF EITHER 24" OR THREE TIMES THE DIAMETER OF THE LARGEST PIPE BEING INSTALLED.
6. WHO CUTTERS WHEN USED SHALL ONLY CUT A MAXIMUM OF 1" IN DIAMETER TO THE OUTSIDE DIAMETER OF THE ENCASUREMENT PIPE, HOLES IN EXCESS OF THE SINGLE SPECIFICATION SHALL BE CROTTED.
7. A BOND RELATED TO THE LEADING EDGE OF THE ENCASUREMENT PIPE SHOULD BE PLACED SEWER TO THE ALIGNMENT AND NOT ON THE BOTTOM EDGE OF PIPE. A PLACED LAD SECTION ON BORES OVER 120" SHALL NOT BE PERMITTED.
8. THE LENGTH OF THE ALGER STRAND SHALL BE EQUAL TO THAT OF THE SECTION OF ENCASUREMENT PIPE.
9. ENCASUREMENTS PLACED WITHIN CONVENTIONAL HIGHWAY RIGHT OF WAY SHALL EXTEND 5' BEYOND THE EDGE OF THE PAVED SHOULDER, BACK OF CURB OR TO THE HIGHWAY RIGHT OF WAY LINE.
10. ENCASUREMENT PLACED ACCESS CONTROLLED ACCESS RIGHT OF WAY SHALL EXTEND TO THE HIGHWAY RIGHT OF WAY LINE.

SHEET INDEX OF DRAWINGS table with columns for sheet number, title, and description.



ENGINEER'S NOTICE TO CONTRACTORS: THE DISTRICT AND LOCATION OF UNDERGROUND UTILITY PLANS OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THE CONTRACTOR SHALL TAKE DUE PRECAUTIONS OF THE RECORDED UTILITIES AS WELL AS ANY NOT SHOWN AND SHALL CORRECT ALL ALIGNMENTS AND GRADES BY FIELD INVESTIGATION.

BENCH MARK: REVERSE SIDE BENCHMARK NO. 1111-3-4 RESET 1970 STANDARD BRASS DISK, STAMPED 709, CO. SUR. M.L. - J-84 RESET 1970. THE INTERSECTION OF HANDED STREET A AND AQUA MANSA ROAD 170 FEET NORTH FROM THE INTERSECTION ALONG THE CENTERLINE OF AQUA MANSA ROAD 17 FEET EAST FOR A 6 FOOT DIAMETER CONCRETE CIRCULAR MANHOLE. THE CENTERLINE OF AQUA MANSA ROAD 17 FEET EAST FOR A 6 FOOT DIAMETER CONCRETE CIRCULAR MANHOLE. THE CENTERLINE OF AQUA MANSA ROAD 17 FEET EAST FOR A 6 FOOT DIAMETER CONCRETE CIRCULAR MANHOLE. THE CENTERLINE OF AQUA MANSA ROAD 17 FEET EAST FOR A 6 FOOT DIAMETER CONCRETE CIRCULAR MANHOLE.

CITY OF LARSPA VALLEY ENGINEERING DEPARTMENT
APPROVED BY: Octavio Duran
Digitally signed by Octavio Duran
Date: 2022.05.18 13:04:00 -07'00'

Professional Engineer seal for Ted Beckwith, State of California, License No. 44278.

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION: Ted Beckwith
DATE: 04/21/2022
DIRECTION OF ENGINEERING: Joe 4758

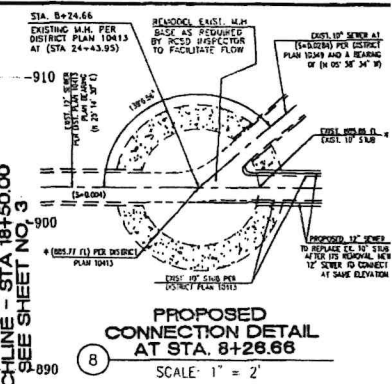
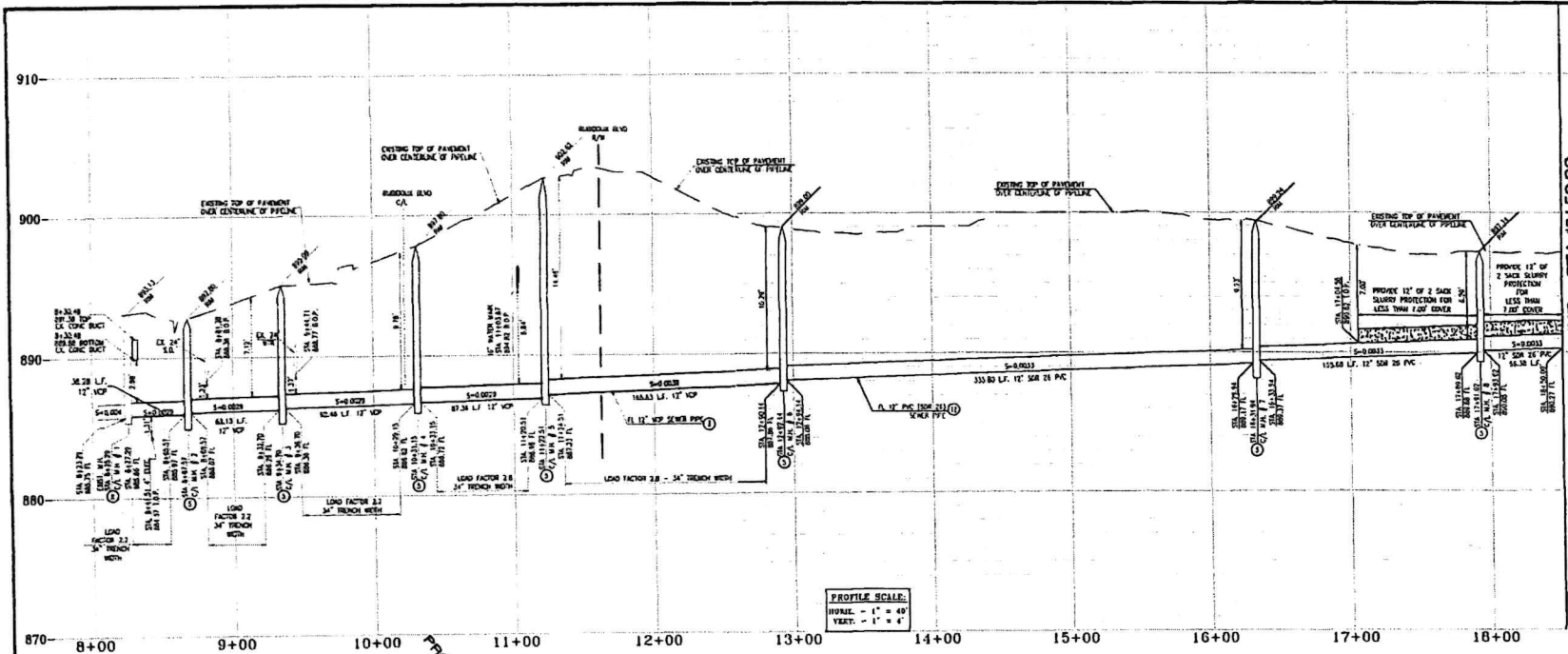
Professional Engineer seal for Thienes Engineering, Inc., State of California, License No. 44278.

Professional Engineer seal for Thienes Engineering, Inc., State of California, License No. 44278.

Professional Engineer seal for Thienes Engineering, Inc., State of California, License No. 44278.

SCALE: 1" = 40'
DATE: 04/21/2022

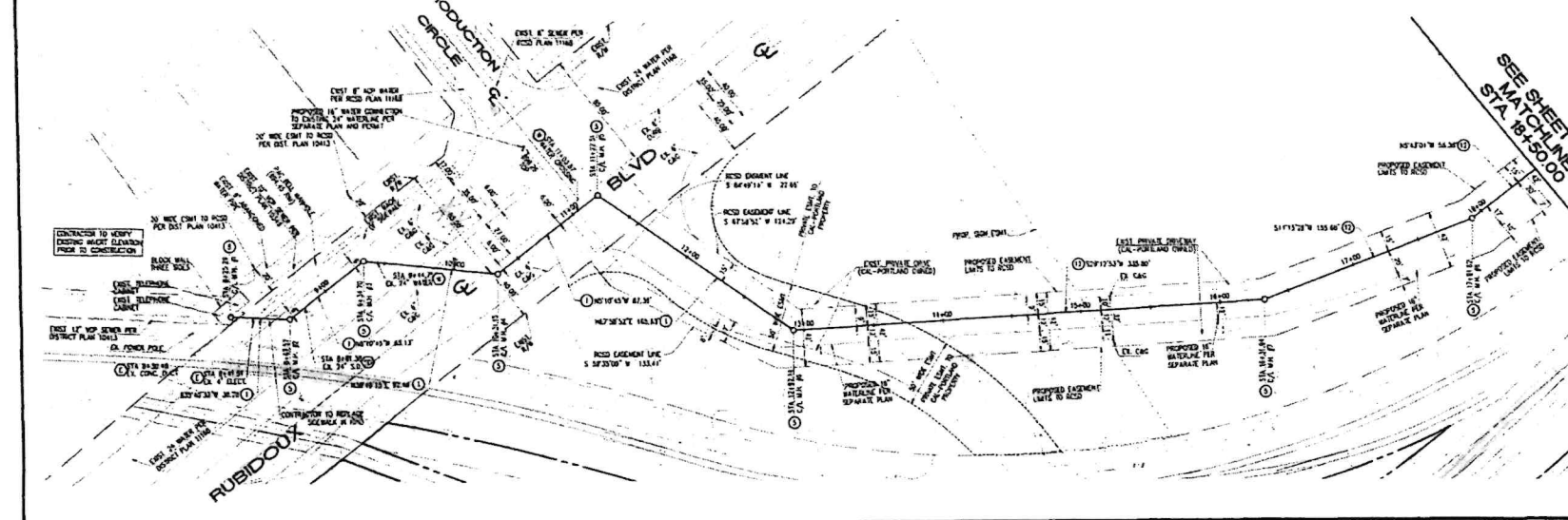
RUBIDOUX COMMUNITY SERVICE DISTRICT
PARCEL MAP NO. 37528
SEWER IMPROVEMENT PLAN
TITLE SHEET
SHEET 1 OF 8 SHEETS
R.C.S.D. PLAN



**PROPOSED CONNECTION DETAIL AT STA. 8+26.66**  
SCALE: 1" = 2'

**PROCEDURE FOR CONNECTING**

- CONTRACTOR SHALL PROVIDE PLAN TO BYPASS EXISTING SYSTEMS, FLOW, AND/OR CONNECTION FROM AREA TO COMPLETE MODIFICATIONS. CONTRACTOR SHALL SUBMIT BEFORE ANY WORK BEGINS FOR REVIEW & APPROVAL. CONNECTION WORK IS 50'-HOURS.
- CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN FOR CITY REVIEW AND APPROVAL, AND OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY FOR WORKING IN THE PUBLIC RIGHT-OF-WAY.
- PERFORM IN ACCORDANCE WITH OSHA STANDARDS, OSHA & TRAFFIC SAFETY SYSTEM FOR OCCUPATIONAL RECORDING, TRAFFIC SAFETY.
- CONTRACTOR SHALL OPEN EXISTING MANHOLE AND VERIFY EXISTING SEWER SIZE (TYPE, SIZE AND SLOPE) PRIOR TO PROCEEDING WITH ANY SEWER PIPE CONSTRUCTION. BEFORE CONSTRUCTION SHALL PROCEED FROM DOWNSTREAM TO UPSTREAM. ANY DEVIATIONS TO PLAN OCCURRING DURING THE EXAMINATION SHALL BE IMMEDIATELY REPORTED TO THE OFFICER OF RECORD.
- THE EXISTING SEWER SHALL BE EXPOSED BY CAREFUL EXCAVATION, PER PERMITS AND UNDER THE PROTECTION OF RISK INSURANCE ON THE RECEIVING SIDE OF THE MANHOLE. THE SIZE & EXPOSED SIZES OF THE MANHOLE SHALL BE INDICATED FOR DAMAGE.
- CONTRACTOR SHALL REPLACE OR REPAIR EXISTING STUB TO PROVIDE 12" PROPOSED SEWER PIPE AT EXISTING MANHOLE (CONFORMED BEFORE HAND).
- AT ALL TIMES CONSTRUCTION SHALL BE CONFINED TO NOT ALLOW SAND, DIRT OR RUN-OFF TO ENTER SANITARY SYSTEM.
- INSTALL PROTECTIVE LENGTH OF NEW SEWER PIPE TO THE LINE AND GRADE, INCLUDING THE PERMITS AND CITY APPROVAL PRIOR TO PROCEEDING AND AT THE DISCRETION OF THE OFFICER OF RECORD.
- BACKFILL PER RECORD MEASUREMENTS AND AT THE DISCRETION AND TO THE SATISFACTION OF THE RECORD INSPECTOR. REVISIONS OF PROVISIONS BY APPROVALS SHALL BE PERMITTED AS CHANGED AND TO THE SATISFACTION OF THE CITY INSPECTOR.



**SEE SHEET NO. 3 MATCHLINE - STA 18+50.00**

0 20 40 80 120  
SCALE: 1" = 40'

**SEWER CONSTRUCTION NOTES:**

NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY (WATER AND GAS) LOCATIONS. ENGINEER OF RECORD SHALL BE ADVISED OF ANY DISCREPANCIES.

- CONSTRUCT 12" VCP SEWER LINE (TRENCH BACKFILL AND PROVIDE PER RECORD STD. ENG. 5/20/10)
- CONSTRUCT 12" DIA. PORTLAND CEMENT MANHOLE WITH FRAME AND COVER PER RECORD STD. ENG. 5/20/10 AND 5/20/10
- REMODEL EXISTING MANHOLE STUB AND CONNECT PER DETAIL ON SHEET 2.
- CONSTRUCT 12" DIA. 20' PVC SEWER LINE, TRENCH BACKFILL AND MANHOLE REPAIR PER RECORD STD. ENG. 5/20/10 (IF MANHOLE EXIST)

\*CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING UTILITY AND EXAMINE SYSTEM AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY CONSTRUCTION.

**THE RUBIDOUX COMMUNITY SERVICE DISTRICT**  
 1-800-422-4133

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:  
**Ted Beckwith**  
 DATE: 04/21/2022  
 TITLE: DIRECTOR OF ENGINEERING, REC 4878

REGISTERED PROFESSIONAL ENGINEER  
**REINHOLD STEINER**  
 STATE OF CALIFORNIA  
 No. 44282  
 EXPIRES: 04-30-23

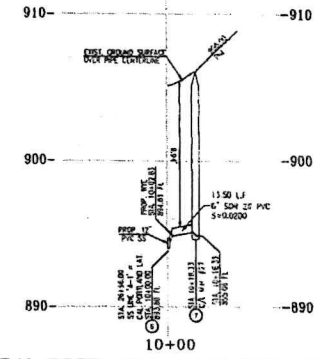
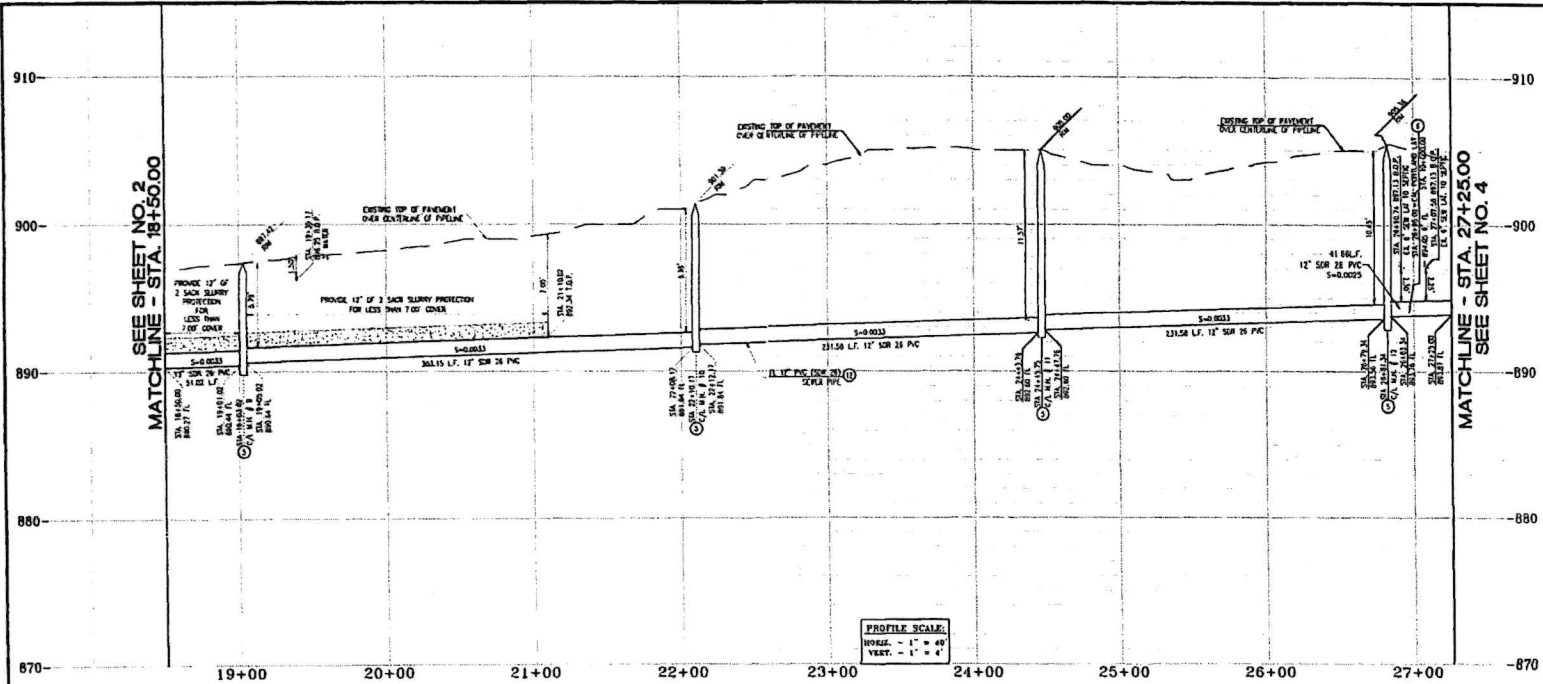
**Thiessen Engineering, Inc.**  
 13333 FOREST ROAD  
 SUITE 100  
 CALIFORNIA 92626  
 PHONE: (949) 447-0211  
 FAX: (949) 447-0212  
 WWW: THIESTEN.COM

UNDER THE SUPERVISION OF  
**Reinhold Steiner**  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 44282  
 DATE: 04/21/2022

SCALE:	1" = 40'
DATE:	04/21/2022
DESIGNED BY:	MUR
CHECKED BY:	O.T.
PROJECT NO.:	R.S.

**RUBIDOUX COMMUNITY SERVICE DISTRICT**  
**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**  
 12" PUBLIC SEWER MAIN - 88 LINE A-1  
 STA. 8+25.29 TO STA. 18+50.00

SHEET  
**2**  
 OF 8 SHEETS  
 R.C.S.D. PLAN N



CAL PORTLAND - 6" SEWER LATERAL  
 STA. 10+00.00 CAL PORTLAND LAT.  
 - STA. 26+96.00 SS LINE A-1

PROFILE SCALE:  
 HORIZ. - 1" = 40'  
 VERT. - 1" = 4'

SEE SHEET NO. 2  
 MATCHLINE - STA. 18+50.00

MATCHLINE - STA. 27+25.00  
 SEE SHEET NO. 4

SEE SHEET NO. 2  
 MATCHLINE - STA. 18+50.00

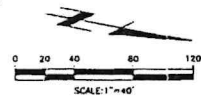
MATCHLINE - STA. 27+25.00  
 SEE SHEET NO. 4

**SEWER CONSTRUCTION NOTES:**

NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY DEPT. AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.

1. CONSTRUCT 6" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RCSD STD. ENG. 52030 AND 52660.
2. CONSTRUCT 4" DIA. PRECAST CONCRETE "SUMP" MANHOLE WITH FRAME AND COVER PER RCSD STD. ENG. 52030 AND 52660.
3. CONSTRUCT 12" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RCSD STD. ENG. 52030 AND 52660.
4. CAL-PORTLAND EXIST. SEWER SYSTEM (TRUNK, LATERAL LINES AND COMPS) INCLUDING EXIST. PERCOLATION MONITORING WELLS SHALL BE PROTECTED BY OTHERS. CHECK NEW 6" SEWER LATERAL IS INSTALLED AND SERVING THE CAL-PORTLAND PROFILES.

\* CONTRACTOR TO VERIFY LOCATION AND INVERT ELEVATIONS OF EXISTING UTILITIES AND DRAINAGE SYSTEMS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY CONSTRUCTION.



APPROVED BY THE RUBIDOUX COMMUNITY SERVICE DISTRICT FOR CONSTRUCTION:  
**Ted Beckwith**  
 DATE: \_\_\_\_\_ DIRECTOR OF ENGINEERING, RCSD  
 VOID AFTER ONE YEAR FROM THIS DATE

NO.	DATE	DESCRIPTION

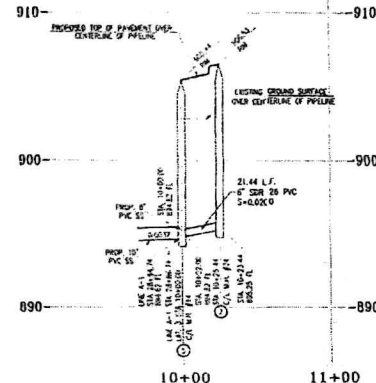
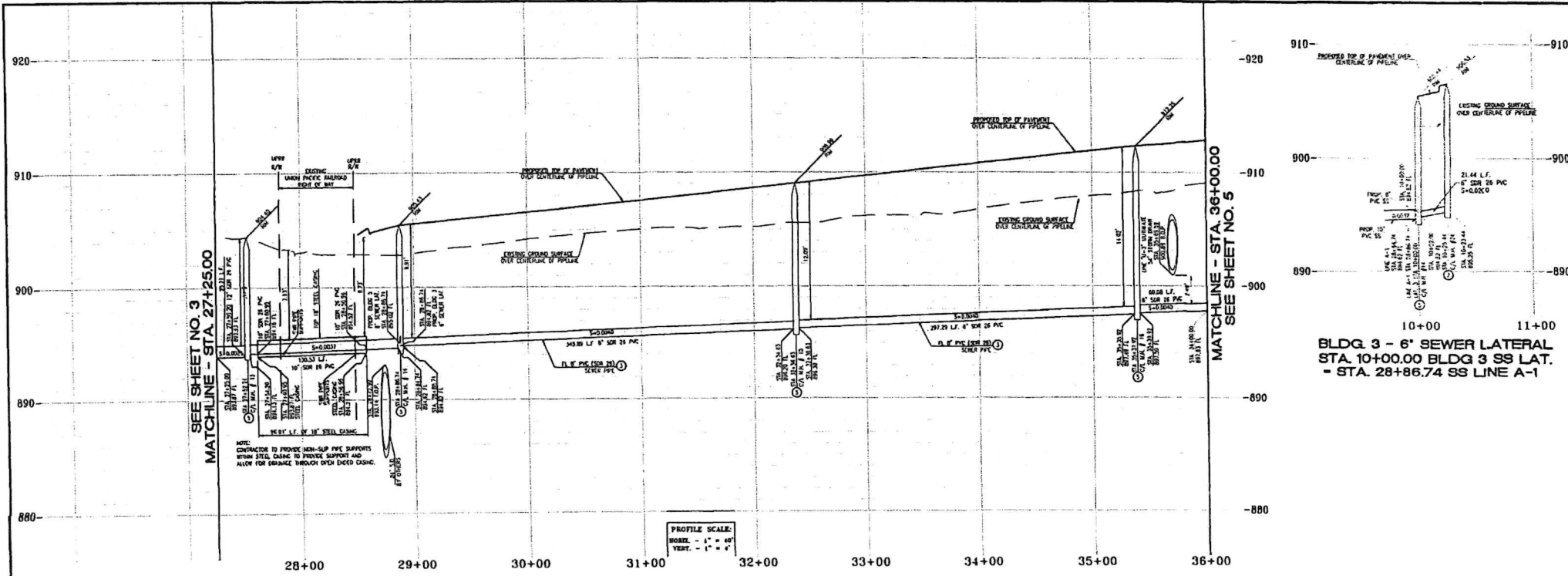


**Thienes Engineering, Inc.**  
 ONE FREDERICK LAND SURVEYING TRAILER FORESTVILLE BOULEVARD  
 144 AMES, CALIFORNIA 95824  
 PH (916) 431-1411 FAX (916) 431-1413  
 WWW.THIESENENGINEERING.COM  
 UNDER THE SUPERVISION OF:  
*Richard Stevens*  
 RICHARD STEVENS, REG. NO. 54122  
 06/21/2022 DATE

SCALE:	1" = 40'
FIELD NO.	
DATE:	
BY:	
CHECKED BY:	
APPROVED BY:	

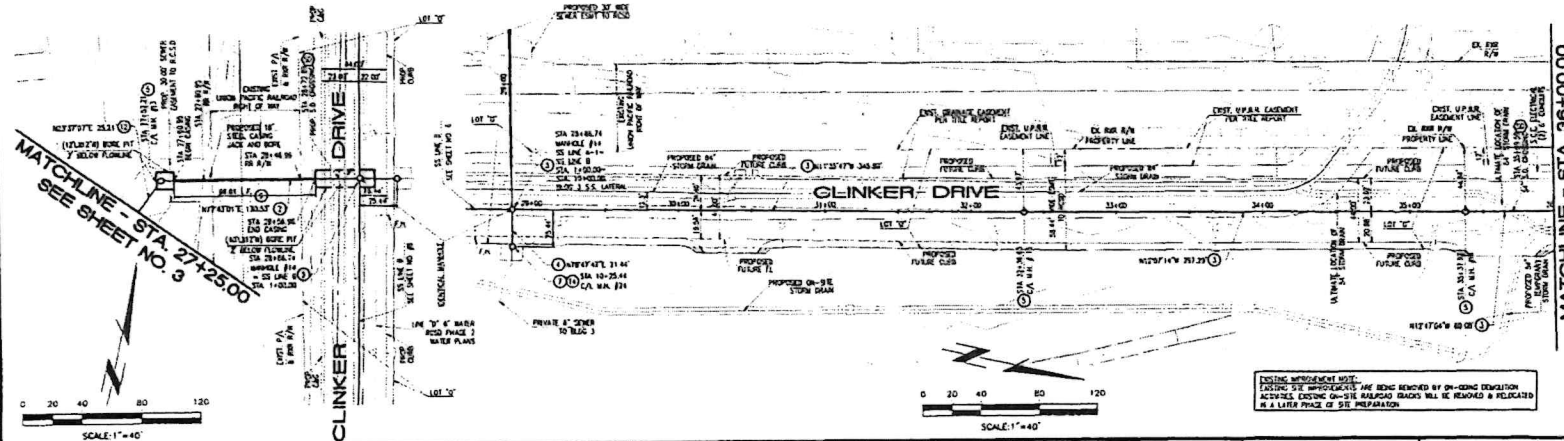
RUBIDOUX COMMUNITY SERVICE DISTRICT  
**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**  
 12" PUBLIC REVENUE MAIN - BR LINE A-1  
 STA. 18+50.00 TO STA. 27+25.00

SHEET  
**3**  
 OF 8 SHEETS  
 R.C.S.D. PLAN NO.



**BLDG 3 - 6" SEWER LATERAL  
STA. 10+00.00 BLDG 3 SS LAT.  
- STA. 28+86.74 SS LINE A-1**

PROFILE SCALE:  
HORIZ. - 1" = 40'  
VERT. - 1" = 4'



- SEWER CONSTRUCTION NOTES:**
- CONTRACTOR TO VERIFY ALL EXISTING UTILITY BATTERY AND LOCATIONS. DIMENSIONS OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
  - CONSTRUCT 18" DIA. 24' PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RECORD STD. (IF PAVEMENT EXIST).
  - CONSTRUCT 36" DIA. 24' PVC MAN. HOLE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RECORD STD. (IF PAVEMENT EXIST).
  - CONSTRUCT 18" DIA. 24' PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RECORD STD. (IF PAVEMENT EXIST).
  - CONSTRUCT 36" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RECORD STD. (IF PAVEMENT EXIST).
  - CONSTRUCT 36" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RECORD STD. (IF PAVEMENT EXIST).
  - CONSTRUCT 18" DIA. 24' PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RECORD STD. (IF PAVEMENT EXIST).
  - INSTALL MARKER POST FOR MANHOLE OUTSIDE OF PAVED AREAS.
- \* CONTRACTOR TO VERIFY LOCATION AND HEIGHT LOCATIONS OF EXISTING CURB AND MANHOLE SYSTEMS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY CONSTRUCTION.

**CLINKER DRIVE**

SCALE: 1" = 40'

Matchline - STA. 27+25.00

Matchline - STA. 36+00.00

SEE SHEET NO. 5

APPROVED BY THE RUBIDOUX COMMUNITY SERVICE DISTRICT FOR CONSTRUCTION:

**Ted Beckwith**

DATE: \_\_\_\_\_

VOID AFTER ONE YEAR FROM THIS DATE

REGISTERED PROFESSIONAL ENGINEER

STATE OF CALIFORNIA

NO. 17312

**Tohines Engineering, Inc.**

CIVIL ENGINEERING - LAND SURVEYING

17400 WILSON AVENUE, SUITE 100

IRVINE, CALIFORNIA 92614

PH: 949.261.1111

WWW.TOHINES.COM

UNDER THE SUPERVISION OF:

*Paula D. Tohines*

REGISTERED ENGINEER, NO. 80361933

DATE: 04/21/2022

RUBIDOUX COMMUNITY SERVICE DISTRICT

**PARCEL MAP NO. 37528**

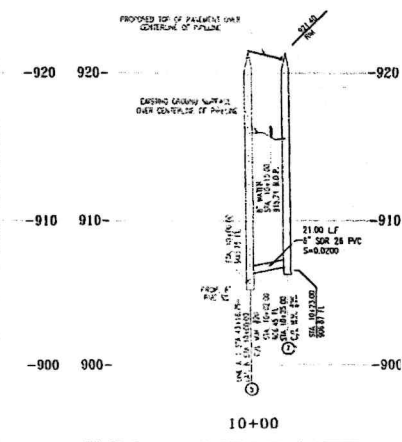
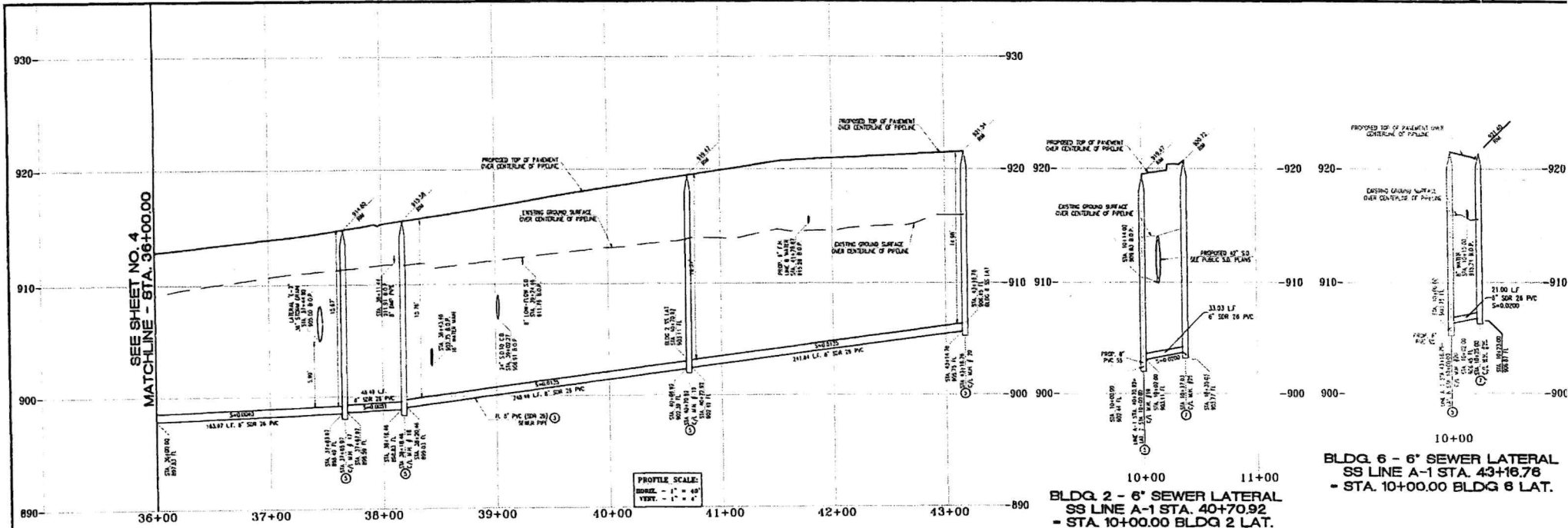
**SEWER IMPROVEMENT PLAN**

PUBLIC SEWER MAIN - 88 A-1

STA. 27+25.00 TO STA. 36+00.00

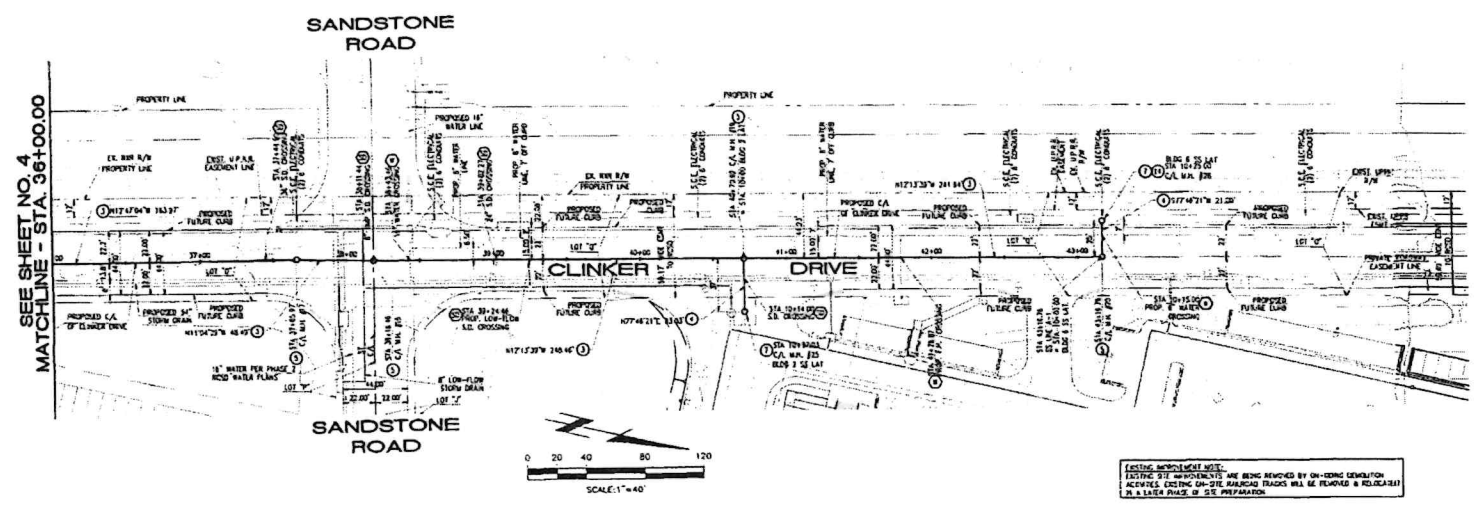
SHEET 4 OF 8 SHEETS

R.C.S.D. PLAN 18



BLDG 6 - 6" SEWER LATERAL  
 SS LINE A-1 STA. 43+16.76  
 - STA. 10+00.00 BLDG 6 LAT.

BLDG 2 - 6" SEWER LATERAL  
 SS LINE A-1 STA. 40+79.92  
 - STA. 10+00.00 BLDG 2 LAT.



- SEWER CONSTRUCTION NOTES:**
- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY INVERT AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- CONSTRUCT 6" SOR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RCDSD STD. DWS. C20 (IF PAVEMENT EXIST).
  - CONSTRUCT 6" SOR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RCDSD STD. DWS. C20 (IF PAVEMENT EXIST).
  - CONSTRUCT 4" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RCDSD STD. DWS. S2030 AND S2040.
  - CONSTRUCT 4" DIA. PRECAST CONCRETE "SAMPLING" MANHOLE WITH FRAME AND COVER PER RCDSD STD. DWS. S2030 AND S2040.
  - INSTALL MARKER POST FOR MANHOLE OUTSIDE OF PAVED AREAS.

**EXISTING MEASUREMENT NOTE:**  
 EXISTING 21" MEASUREMENTS ARE BEING REVIEWED BY ON-GOING DEMOLITION ACTIVITIES. EXISTING ON-SITE MEASUREMENTS SHALL BE REMOVED & RECORDED IN A LATER PHASE OF SITE PREPARATION.



SEE SHEET NO. 4  
 MATCHLINE - STA. 36+00.00

APPROVED BY THE RUBEAUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:  
**Ted Beckwith**  
 DATE: \_\_\_\_\_  
 DIRECTOR OF ENGINEERING, RCDSD

NO.	DATE	DESCRIPTION

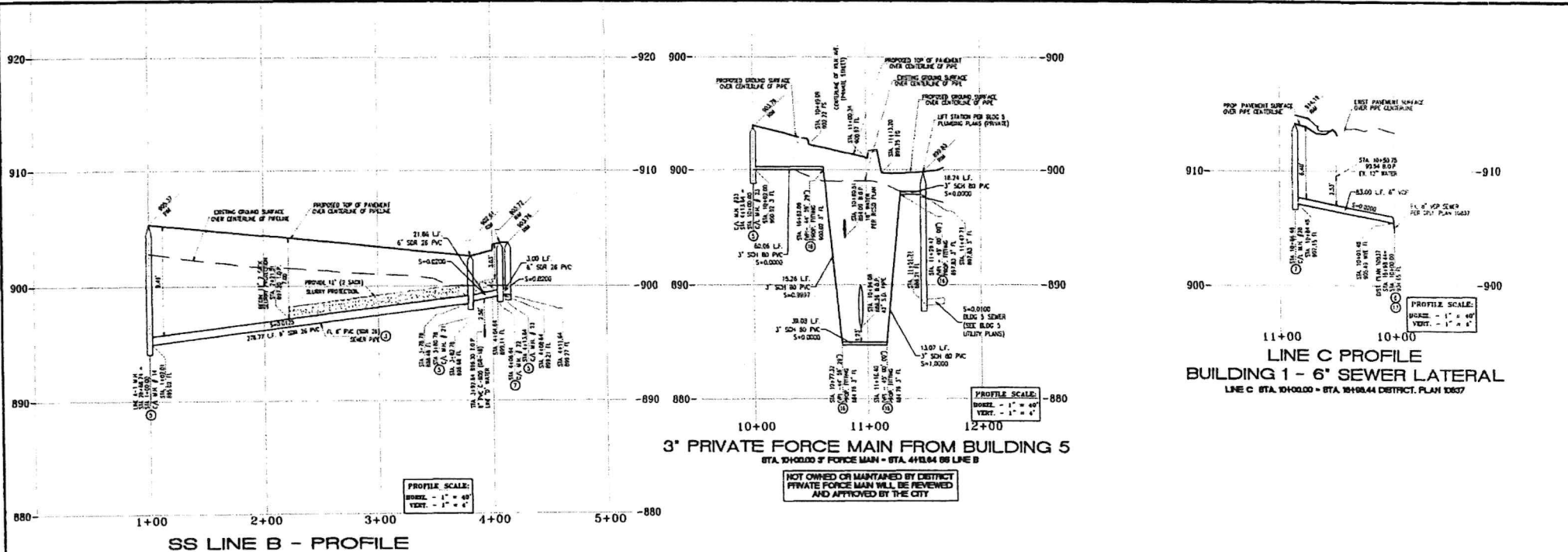


**Tohienes Engineering, Inc.**  
 CIVIL ENGINEERING - LAND SURVEYING  
 14144 FINESTOCK ROAD  
 VAN NUYS, CALIFORNIA 91411  
 (818) 702-4411 FAX (818) 702-4111  
 WWW.TOHIONES.COM

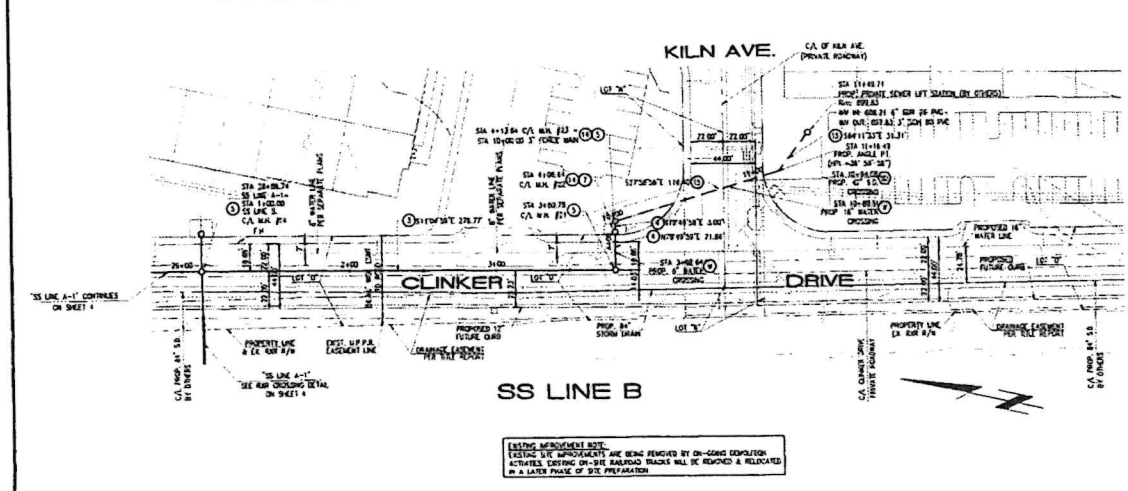
UNDER THE SUPERVISION OF:  
**Richard Steiner**  
 REGISTERED ENGINEER LICENSE NO. 36155  
 DATE: 04/21/2022

SCALE: 1" = 40'
DATE: 04/21/2022
BY: [Signature]
CHECKED: [Signature]
DESIGNED: [Signature]
PLANNED: [Signature]
PROJECT: [Signature]

RUBEAUX COMMUNITY SERVICE DISTRICT  
**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**  
 6" PUBLIC SEWER MAIN - SB LINE A-1  
 STA. 36+00.00 TO STA. 43+16.76

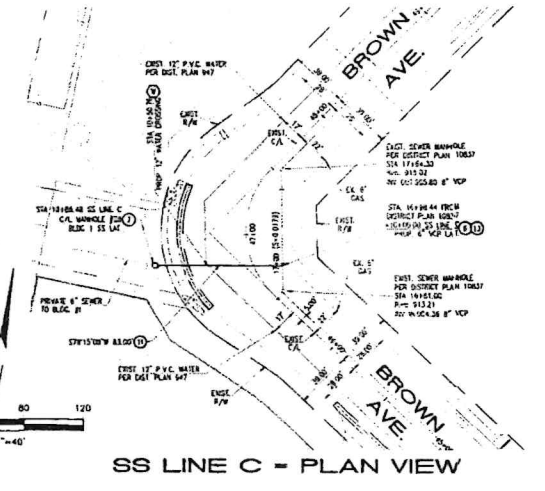


SS LINE B - PROFILE



**SEWER CONSTRUCTION NOTES:**

- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY DEPT. AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- CONSTRUCT 8" DIA. 24 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. DMC. C20 (OF PAVEMENT DIST.)
  - CONSTRUCT 6" DIA. 24 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. DMC. C20 (OF PAVEMENT DIST.)
  - CONSTRUCT 4" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RCSD STD. DMC. S2000 AND S2002.
  - CONSTRUCT SEWER LATERAL PER RCSD STD. DMC. S2000.
  - CONSTRUCT 4" DIA. PRECAST CONCRETE "SAMPLING" MANHOLE WITH FRAME AND COVER PER RCSD STD. DMC. S2000 AND S2002.
  - CONSTRUCT 4" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RCSD STD. DMC. S2000.
  - INSTALL LATERAL SADDLE CONNECTION TO EXISTING SEWER MAIN PER RCSD STD. DMC. S2100.
  - INSTALL MANHOLE POST FOR MANHOLE OUTSIDE OF PAVED AREAS.
  - 3" SCH 80 PVC PRIVATE FORCE MAIN FROM (BUILDING 5) PRIVATE LIFT STATION (NOT OWNED OR MAINTAINED BY DISTRICT AND WILL BE REVIEWED AND APPROVED BY THE CITY).
  - 3" SCH 80 PVC 45' ELONG FOR PRIVATE FORCE MAIN (NOT OWNED OR MAINTAINED BY DISTRICT AND WILL BE REVIEWED AND APPROVED BY CITY).
- CONTRACTOR TO VERIFY LOCATION AND HEIGHT, ELEVATIONS OF EXISTING UTILITIES AND DRAINAGE SYSTEMS AND VERIFY LOCATION OF ANY OBSTACLES PRIOR TO ANY CONSTRUCTION.



**Underground Services Unit**  
 Call: TOLL FREE 1-800-422-4133

APPROVED BY THE RUBIDOUX COMMUNITY SERVICE DISTRICT FOR CONSTRUCTION:  
**Ted Beckwith**  
 DIST. DIRECTOR OF ENGINEERING, RCE 1078

DATE	DESCRIPTION

VOID AFTER ONE YEAR FROM THIS DATE

REGISTERED PROFESSIONAL ENGINEER  
 STATE OF CALIFORNIA  
 No. 11-31-21  
 4/15/15

**ToThines Engineering, Inc.**  
 CIVIL ENGINEERING - LAND SURVEYING  
 PLANNING - PROJECT MANAGEMENT  
 UTILITY DESIGN - CONSTRUCTION ADMINISTRATION  
 PROFESSIONAL ENGINEERING (P.E.)  
 UNDER THE SUPERVISION OF  
**Richard Stevens** REG. NO. 26155  
 04/31/2022

SCALE	1" = 40'
DESIGNER	
DRAWN	
CHECKED	
DATE	

RUBIDOUX COMMUNITY SERVICE DISTRICT  
**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**  
 8" PUBLIC SEWER LATERAL PLAN & PROFILE - SS LINE B - STA. 1+00.00 TO STA. 4+18.64  
 6" PUBLIC SEWER LATERAL PLAN & PROFILE - SS LINE C - STA. 10+00.00 TO STA. 10+08.44  
 3" FORCE MAIN FROM BLDG 5 - SEWER PLAN & PROFILE - STA. 10+00.00 TO STA. 11+47.21

DATE: 04/31/2022







# RUBIDOUX COMMUNITY SERVICES DISTRICT

## PARCEL MAP No. 37528

### WATER IMPROVEMENT PLAN

### PHASE I

#### RUBIDOUX COMMUNITY SERVICE DISTRICT GENERAL CONSTRUCTION NOTES FOR WATER PIPELINES

- ALL WORK SHALL CONFORM TO THE DESIGN AND CONSTRUCTION STANDARDS OF THE RCSD FOR WATER AND SEWER FACILITIES.
- WATER SYSTEM SHALL BE CONSTRUCTED BY THE DEVELOPER FOR DELIVERY TO THE RUBIDOUX COMMUNITY SERVICES DISTRICT. CONSTRUCTION MATERIALS, TESTING AND INSPECTION SHALL COMPLY WITH RUBIDOUX COMMUNITY SERVICE DISTRICT STANDARDS. THE INSTALLATION SHALL MEET OR EXCEED THE REQUIREMENTS OF ALL PUBLIC AGENCIES HAVING JURISDICTION AND THE AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS. FAILURE TO MEET THESE REQUIREMENTS WILL BE CAUSE FOR REJECTION.
- CONSTRUCTION OF THE WATER SYSTEM SHALL NOT COMMENCE UNTIL A FINAL MAP HAS BEEN RECEIVED BY RUBIDOUX COUNTY AND THE DEVELOPER (OWNER) HAS OBTAINED THAT ALL UTILITY LINES ARE CONSTRUCTED TO FINAL GRADE. UTILITIES SHALL BE RELOCATED AFTER CONSTRUCTION OF CURB & GUTTER, SEWER, STORM DRAIN, AND PRIOR TO THE PLACEMENT OF CROSS-CUTS, MANHOLES, AND PAVING.
- PIPE FITTINGS, VALVES AND APPURTENANCES SHALL BE OF THE PIPE PRESSURE CLASS (NOT W.R.P. CLASS) SHOWN ON THE PROFILE OF THESE PLANS. (NOTE: CAST IRON FITTINGS SHALL NOT BE ALLOWED).
- MANHOLE COVER OVER PIPE SHALL BE 42 INCHES WHEN THE WATERLINE ENCOMPASSES AN OBSTRUCTION AND CROSSING OVER THE OBSTRUCTION WILL RESULT IN LESS THAN 42 INCHES OF COVER OVER THE WATERLINE, THE WATERLINE SHALL CROSS UNDER THE OBSTRUCTION WITH 12 INCHES CLEARANCE.
- CONTRACTOR SHALL PROVIDE TRENCH PROTECTION AND CONDUCT ALL CONSTRUCTION IN ACCORDANCE WITH CAL-OSHA REQUIREMENTS AND SHALL DETERMINE DEPTH AND LOCATION OF EXISTING UNDERGROUND FACILITIES PRIOR TO TRENCHING. OTHER TRENCH AT ANY ONE TIME SHALL BE LIMITED TO 500 FEET ALONG ROAD RIGHT OF WAY AND SHALL BE BACKFILLED AND COMPACTED AT THE CONCLUSION OF EACH DAY.
- UNDERPASS SHALL BE CONSTRUCTED TO THE GREATER OF SOIL RELATIVE DENSITY, EQUIVALENT TO THE SURROUNDING GROUND, OR TO THE REQUIREMENTS OF THE AGENCY HAVING JURISDICTION, WHICHEVER IS MORE STRINGENT. CONTACT UNDERGROUND SERVICE ALERT (800) 227-2600 PRIOR TO ANY EXCAVATION.
- DEPTH AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHALL BE DETERMINED BY THE CONTRACTOR BY TRENCHING PRIOR TO TRENCHING. THE CONTRACTOR SHALL ALSO CONTACT UNDERGROUND SERVICE ALERT (800) 227-2600 PRIOR TO ANY EXCAVATION.
- WHERE THE WATER MAIN CROSSES STORM DRAIN, OTHER PIPELINES, TELEPHONE AND ELECTRIC LINES, OR SIMILAR INSTALLATIONS, A MINIMUM OF 12 INCHES CLEARANCE SHALL BE PROVIDED BETWEEN THE MAIN AND OTHER INSTALLATIONS. SEPARATION OF THE WATER AND SEWER LINES SHALL COMPLY WITH THE RUBIDOUX COUNTY HEALTH DEPARTMENT STANDARDS AS SHOWN ON INTERIOR COUNTY STANDARD PLAN 609 AND RCSD STANDARD DRAWING W-1019 AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH.
- CONNECTION TO EXISTING RCSD WATERLINES SHALL BE IN ACCORDANCE WITH STANDARD RCSD PROCEDURES AND SHALL NOT BE ACCOMPLISHED UNLESS AN RCSD INSPECTOR IS PRESENT. NO CONNECTIONS TO EXISTING RCSD WATERLINES WILL BE ALLOWED ON PRIVATE.
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER OR CONTRACTOR TO APPLY TO THE RUBIDOUX COUNTY TRANSPORTATION DEPARTMENT, PRIOR TO SETTING FOR AN ENCROACHMENT PERMIT, FOR ALL WORK ON EXISTING COUNTY MAINTAINED ROADS.
- ALL SERVICE LATERALS SHALL BE LOCATED AT RIGHT ANGLES TO THE MAIN UNLESS OTHERWISE INDICATED ON THE PLANS AND APPROVED BY THE RCSD.
- PIPE SHALL BE HANDLED SO AS TO PROTECT THE PIPE AT ALL TIMES AND SHALL BE CAREFULLY BEADED TO PROVIDE CONTINUOUS BEARING AND TO PREVENT UNIFORM SETTLEMENT. PIPE SHALL BE PROTECTED AGAINST EXHAUSTION AT ALL TIMES. OPEN ENDS SHALL BE SEALED AT ALL TIMES WHEN CONSTRUCTION IS NOT IN PROGRESS.
- PIPE JOINTS SHALL NOT BE NOTICED AT ANY ANGLE GREATER THAN THE MINIMUM ANGLE RECOMMENDED BY THE PIPE MANUFACTURER. ALL JOINTS SHALL BE MINIMUM 50% BEAD.
- SPIPS ON PIPELINE SHALL BE INSTALLED PER DISTRICT STANDARDS AND AS APPROVED IN THE FIELD BY THE RCSD INSPECTOR. CONNECTIONS TO EXISTING RCSD PIPELINES SHALL NOT BE ACCOMPLISHED UNLESS AN RCSD INSPECTOR IS PRESENT. RCSD MAY ELECT TO MAKE THE CONNECTION AT THE DEVELOPER'S EXPENSE. CONTRACTOR TO FIELD VERIFY BOTH HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING WATERLINE PRIOR TO CONSTRUCTION.
- TEST PRESSURE SHALL BE 100% OF PIPE CLASS RATING (E.G. 150-225 PSI TEST). SHALL BE UNDER CONTINUOUS INSPECTION, AND SHALL BE IN ACCORDANCE WITH DISTRICT STANDARD PROCEDURES.
- SURFACE IMPROVEMENTS DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE RECONSTRUCTED BY THE CONTRACTOR TO THE REQUIREMENTS OF THE AGENCY HAVING JURISDICTION.
- FIRE HYDRANTS AND AIR VALVES TO BE LOCATED PER AGENCY HAVING JURISDICTION.
- WATER METERS TO BE LOCATED PER PLAN. ANY RELOCATION SHALL BE APPROVED BY THE RCSD. A "V" SHALL BE MARKED ON THE CURB FACE AT EACH SERVICE LATERAL (UNDER) LOCATION.
- CONTRACTOR SHALL PLACE ADEQUATE 14 GA. SOLID COPPER LOCATION MARK WITH ALL C-AND PVC PIPE TO ASSIST WITH FUTURE LOCATION.
- THE DEVELOPER SHALL PROVIDE ONE SET OF PRINTS SHOWING ALL "AS-BUILT" CONDITIONS INCLUDING THE STATING OF VERTICAL LATERALS CONNECTIONS AND FIN ELEVATIONS AS A CONDITION OF FINAL APPROVAL.
- ANY REVISION TO THESE DRAWINGS MUST BE APPROVED IN WRITING BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT.
- CONTRACTOR IS ADVISED THAT THE WORK ON THIS PROJECT MAY INVOLVE WORKING IN A CONFINED AIR SPACE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH "CONFINED AIR SPACE" ARTICLE 106.106 TITLE 18 CALIFORNIA ADMINISTRATIVE CODE.
- ALL PIPE LARGER THAN 12" IN DIAMETER SHALL BE INSPECTED BY VIDEO CAMERA PRIOR TO BACTERIOLOGICAL TESTING.
- CONTRACTOR SHALL MAINTAIN ALL WORK FOR 12 MONTHS AFTER THE DATE OF FINAL INSPECTION.

**REQUIRED PROJECT FFE FLOW:**  
BASED ON APPROVAL OF THE 2019 CALIFORNIA FIRE CODE, 60,000 GPM FOR A 1 HOUR DURATION AT 20 PSI. RUBIDOUX COUNTY FIRE DEPARTMENT ALLEYS A SUB CODE ON THE FLOW FOR FIRE SPRINKLERS. THEREFORE, THE REQUIRED FIRE FLOW FOR THIS PROJECT IS 4000 GPM FOR A 4 HOUR DURATION AT 20 PSI RESIDUAL PRESSURE.

**FIRE DEPARTMENT APPROVAL**  
APPROVED BY THE RUBIDOUX COUNTY FIRE DEPARTMENT

**Mikki Sherry**  
SIGNATURE OF FIRE AGENCY TITLE DATE

**BENCH MARK:**  
RUBIDOUX BENCHMARK NO. 111-3-64 RESET 1970  
STANDARD BRASS DISK STAMPED THE CO. SURV. 11-3-64  
RESET 1970 AT THE INTERSECTION OF HANDEY STREET &  
AGUA MANA ROAD 70 FEET NORTH FROM THE INTERSECTION  
OF HANDEY STREET & AGUA MANA ROAD 43 FEET WEST OF  
THE CENTERLINE OF AGUA MANA ROAD 17 FEET EAST OF A 6"  
CAST CONCRETE CONE. SURROUNDING E.L. TRENCH  
CONSTRUCTION COMPANY 7 FEET EAST OF A 24 INCH CONCRETE  
ON TOP OF A 12" x 12" x 1' CONCRETE PAVED WALK  
ELEVATION = 864.427' (MVD 29' / 1971 ADJ.)

CITY OF JUPITER VALLEY  
ENGINEERING DEPARTMENT  
APPROVED BY:

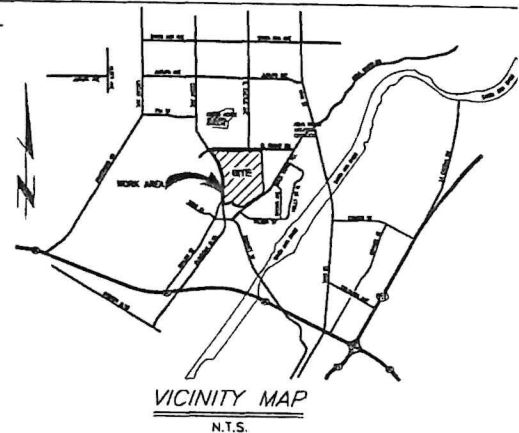
**Octavio Duran Jr**  
Digitally signed by Octavio Duran Jr  
Date: 2022.08.06  
08:40:18 -0700

PAUL TOOR, CITY ENGINEER DATE

**ABBREVIATIONS**

R/C.R. - BEGINNING OF CURVE  
E.C.P. - END OF CURVE  
L.P. - LOW POINT  
H.P. - HIGH POINT  
D.O.P. - BOTTOM OF PIPE  
R.F. - RATE OF GRADE  
T.F. - TOP OF FINISH  
T.O.P. - TOP OF FOOTING  
L.M. - LENGTH OF MAIN, BASE  
S.F. - SQUARE FEET  
E.L. - EXISTING ELEVATION  
B.O.W. - BOTTOM OF WALL  
T.C. - TOP OF CURB  
N.C. - NATURAL GRADE  
D.I.P. - DUCTILE IRON PIPE  
H.P.L. - HORIZONTAL POINT OF INFLECTION  
V.P.I. - VERTICAL POINT OF INFLECTION  
PROP. - PROPOSED  
CONST. - CONSTRUCTION  
CHIT. - CHANGING  
M.C.S.D. - RUBIDOUX COMMUNITY SERVICES DISTRICT  
F.W. - FIRE HYDRANT  
D.S. - DOMESTIC WATER SERVICE  
BLDG. - BUILDING  
M.H. - MANHOLE  
L.B. - TOP OF BENCH  
W.S.E. - WATER SURFACE ELEVATION

**INDEX MAP**  
SCALE: 1"=100'



#### ENCASEMENT REQUIREMENTS IN UNIFORM PRACTICE RIGHT OF WAY:

- IN TRANSVERSE CROSSINGS, SLEAVE CUTS OR PIPES OR OTHER INSTALLATION OF MULTIPLE DUCTS OR PIPES, REGARDLESS OF DIAMETER, SHALL REQUIRE ENCASEMENT.
- THE MINIMUM WALL THICKNESS REQUIRED FOR STEEL ENCASEMENTS IS BASED ON LENGTHS AND DIAMETERS OF PIPES.
- ENCASEMENT CURBS SHALL BE PLACED WITH UN-COATED BRICKS OF OTHER SUITABLE MATERIAL APPROVED BY THE U.P.A.R.
- THE UNIFORM PRACTICE RIGHT OF WAY REQUIREMENTS WILL REQUIRE THE PERMITTEE TO PROTECT GROUND, FILLING ANY Voids GENERATED BY THE COURSE OF THE PERMITTED WORK. GRADING SHALL BE AT THE EXPENSE OF THE PERMITTEE. CURB ROLLERS MUST BE PLACED INSIDE OF THE P.P.C. EXTERNALLY ON DIAMETERS OF 36" OR GREATER. SHALL BE ON 6" CENTERS. CONTINUOUSLY AND OFFSET 22 INCHES FROM VERTICAL, AND SPACED TO THE LEFT AND RIGHT OF THE TOP LONGITUDINAL AXIS OF THE P.P.C. GROUT PRESSURE SHALL NOT EXCEED 5 P.S.I. FOR A DURATION SUFFICIENT TO FILL ALL VOIDS.
- THERE IS A SPACING REQUIREMENT WHEN PLACEMENT OF MULTIPLE ENCASEMENTS IS REQUESTED. THE DISTANCE BETWEEN MULTIPLE ENCASEMENTS SHALL BE THE GREATER OF EITHER 24" OR THREE TIMES THE DIAMETER OF THE LARGER PIPE BEING INSTALLED.
- PIPE CUTTERS WHEN USED SHALL BE 24" OR GREATER. SHALL BE ON 6" CENTERS. CONTINUOUSLY AND OFFSET 22 INCHES FROM VERTICAL, AND SPACED TO THE LEFT AND RIGHT OF THE TOP LONGITUDINAL AXIS OF THE P.P.C. GROUT PRESSURE SHALL NOT EXCEED 5 P.S.I. FOR A DURATION SUFFICIENT TO FILL ALL VOIDS.
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- A BENCH WILLARD TO THE LEADING EDGE OF THE ENCASEMENT PIPE SHOULD BE PLACED SQUARE TO THE ALIGNMENT AND NOT ON THE BOTTOM EDGE OF PIPE. A FLARED LID SECTION ON BORES OVER 20" SHALL NOT BE PERMITTED.
- THE LENGTH OF THE ANGLED STRAND SHALL BE EQUAL TO THAT OF THE STRAY SECTION OF ENCASEMENT PIPE.
- DISCREPANCIES PLACED UNDER CONDITIONAL, HIGHER RIGHT OF WAY SHALL EXTEND 5' BEYOND THE EDGE OF THE PAVED SHOULDER, BACK OF CURB, OR TO THE HIGHER RIGHT OF WAY LINE.
- ENCASEMENT PLACED ACROSS CONTROLLED ACCESS ROADS OR WAYS SHALL EXTEND TO THE HIGHER RIGHT OF WAY LINES.

#### WATER CONSTRUCTION NOTES: QTY:

- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY DEPT AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- NOT TAP EXISTING 24" GALV. WATER MAIN WITH 16" FLANGED OUTLET AND 16" GATE VALVE PER RCSD STD. DWG. W1100. FULLY WELDED RESTRAINED JOINTS PER RCSD STD. DWG. W1240 TRENCH AND BACKFILL PER RCSD STD. DWG. C20. 1 EA
  - INSTALL 16" CAST IRON BUTTERFLY VALVE PER RCSD STD. DWG. W1300. RESTRAINED JOINTS PER RCSD STD. DWG. C20. 3 EA
  - INSTALL 16" PVC C-900 (80-18) WATER MAIN PER RCSD STANDARDS. JOINTS RESTRAINED PER THURST BLOCKS PER RCSD STD. DWG. G40. TRENCH AND BACKFILL PER RCSD STD. DWG. C20. 530 LF
  - INSTALL 8" COMMERCIAL FIRE HYDRANT PER RCSD STD. DWG. W1100. 3 EA
  - INSTALL 16"x18" DUCTILE IRON (CLASS 3000) 90' ELBOW WITH THURST BLOCK PER RCSD STD. DWG. C20. 2 EA
  - INSTALL 2" AIR VALVE PER RCSD STD. DWG. W1010. 2 EA
  - JOCK AND BORE PER UNIFORM PRACTICE RIGHT OF WAY SPECIFICATIONS. INSTALL 16" GALV. WATER MAIN (16"x18" THICK) WATER MAIN PER RCSD STANDARDS. WELDED JOINTS AND RESTRAINED TRANSITION COUPLERS 10' ON FROM PVC TO STEEL WITH 36" ON (10"x12" WALL THICKNESS) STEEL PIPE. GALV. PER UNIFORM PRACTICE RIGHT OF WAY SPECIFICATIONS. SEE ENCASEMENT REQUIREMENTS ON SHEET 1. 118 LF
  - INSTALL 16" ESTIMATED BLDG FLANGE PER RCSD STD. DWG. W1240. 1 EA
  - INSTALL 2" DOMESTIC WATER SERVICE, METER AND METER BOX PER RCSD STD. DWG. W1110. 1 EA
  - INSTALL 16" GALV. (10 GA) WATER MAIN WITH FULLY WELDED RESTRAINED JOINTS PER RCSD STD. DWG. W1240 TRENCH AND BACKFILL PER RCSD STD. DWG. C20. 125 LF
  - INSTALL 16"x18" DUCTILE IRON (CLASS 3000) 11.25' ELBOW WITH THURST BLOCK PER RCSD STD. DWG. C20. 4 EA
  - INSTALL 16"x18" DUCTILE IRON (CLASS 3000) 22.5' ELBOW WITH THURST BLOCK PER RCSD STD. DWG. C20. 3 EA
  - PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 3. 407 LF

**ENGINEER'S NOTICE TO CONTRACTORS:**  
THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES PLANS OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THE CONTRACTOR SHALL TAKE OWN PRECAUTIONS OF THE RECORDED UTILITIES AS WELL AS ANY NEW TRENCH AND SHALL CONFORM ALL ALIGNMENTS AND GRADES BY FIELD INVESTIGATIONS.

**BASES OF BEARING:**  
THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM (CCS-83), ZONE 8, NORTH AMERICAN DATUM 1983 (NAD83) BASED LOCALLY ON CONTIGUOUSLY OPERATING REFERENCE STATIONS (CORS) "MSP" AND "NOGOT" AS SHOWN HEREON (BASIS OF BEARINGS: N 86°59'15.2670" W). ALL BEARINGS SHOWN HEREON ARE GRID BEARINGS AND REPRESENTED HEREON BY THE CENTERLINE OF EL RIVADO AVENUE BEING NORTH 88°19'59" WEST.



48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert!

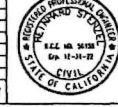
I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PARCEL MAP 37528 IS IN GENERAL ACCORDANCE WITH THE WATER MAIN WATER PLANS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT, AND THAT THE WATER SERVICE, SPURAGE AND DISTRIBUTION SYSTEM SHALL BE ACCORDING TO SHOWN HEREON SUBJECT TO SUCH REVISIONS AS THIS DISTRICT DOES NOT CLAIM THAT IT WILL BE NEARLY EQUAL TO SAID DETAILS AND SPECIFIC DIMENSIONS, COLORS, OR PRESSURES.

DATE: 8/6/2022  
BY: [Signature]

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:

PAUL TOOR, CITY ENGINEER DATE

NO.	REVISIONS	DATE	BY



**Thienes Engineering, Inc.**  
CIVIL ENGINEERING & LAND SURVEYING  
14149 FIRESTONE BOULEVARD  
LA MESA, CALIFORNIA 92040  
PH: (619) 271-4011 FAX: (619) 271-4111

APPROVED BY: [Signature]  
REGISTERED ENGINEER No. 36153 DATE: 8/6/2022

SCALE: AS NOTED  
FIELD BOOK: -  
DESIGN: M.R.  
DRAWN: D.T.  
CHECKED: R.S.

RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
PHASE I  
TITLE SHEET

SHEET 1 OF 3 SHEETS  
R.C.S.D. PLAN

910

MINIMUM DESIGN PRESSURE: 106.5 PSI

910

900

890

880

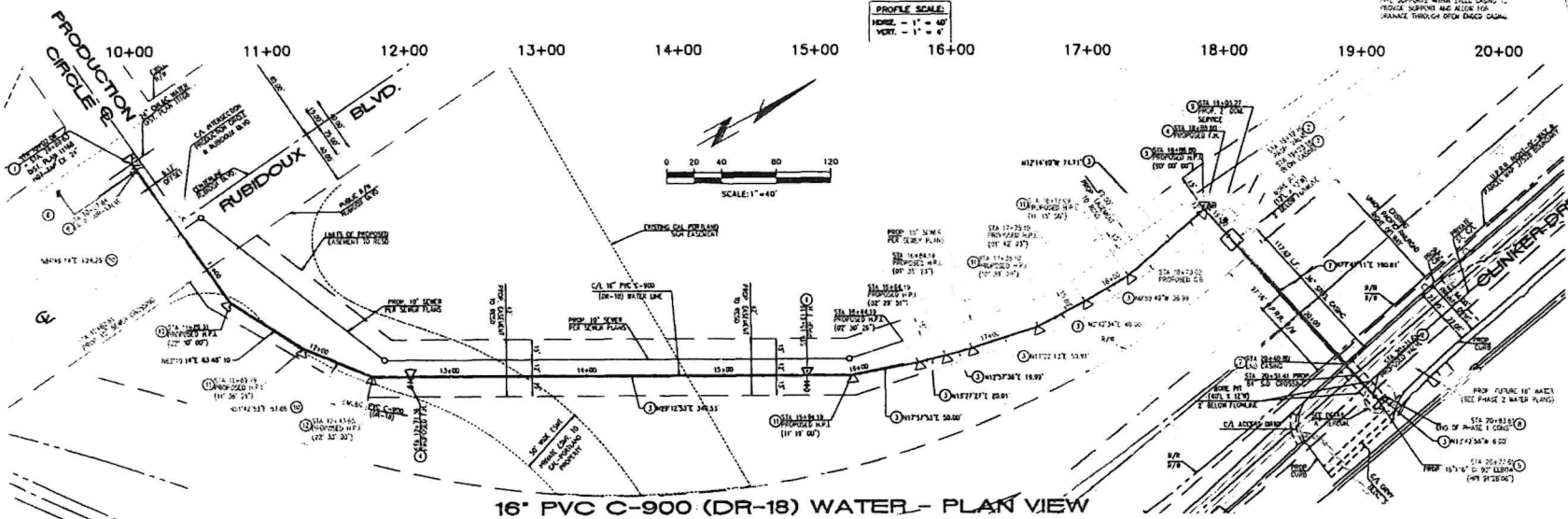
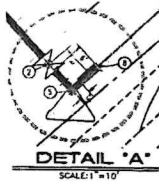
900

890

880

### 16" PVC C-900 (DR-18) WATER PROFILE

PROFILE SCALE:  
HORIZ. - 1" = 40'  
VERT. - 1" = 4'



### 16" PVC C-900 (DR-18) WATER - PLAN VIEW

#### WATER CONSTRUCTION NOTES:

1. NOT TAP EXISTING 24" CAST-IRON WATER MAIN WITH 16" FLANGED OUTLET AND 16" GATE VALVE PER R.C.S.D. DWG. W1240. FULLY WELDED RESTRAINED JOINTS PER R.C.S.D. STD. DWG. W1240. TRENCH AND BACKFILL PER R.C.S.D. STD. DWG. C20.
2. INSTALL 16" DUCTILE IRON BUTTERFLY VALVE PER R.C.S.D. DWG. W1030 THURST BLOCK PER R.C.S.D. STD. DWG. G40.
3. INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER R.C.S.D. STANDARDS, JOINT RESTRAINED PER THURST BLOCKS PER R.C.S.D. STD. DWG. G40. TRENCH AND BACKFILL PER R.C.S.D. STD. DWG. C20.
4. INSTALL 1" COMMERCIAL FIRE HYDRANT PER R.C.S.D. DWG. W1060.
5. INSTALL 16"x16" DUCTILE IRON (CLASS 350) 90° ELBOW WITH THURST BLOCK PER R.C.S.D. STD. DWG. G40.
6. INSTALL 2" AIR VALVE PER R.C.S.D. STD. DWG. W1010.
7. JACK AND BORE PER UNION PACIFIC RAILROAD SPECIFICATIONS. INSTALL 16" DUCTILE ASTM A53 (0.275" THICK) WATER MAIN PER R.C.S.D. STANDARDS, WELDED JOINTS AND RESTRAINED TRANSITION CONNECTIONS TO GO FROM PVC TO STEEL WITH 3/4" DIA. (0.275" WALL THICKNESS) STEEL PIPE CASING PER UNION PACIFIC RAILROAD SPECIFICATIONS. SEE ENGAGEMENT REQUIREMENTS ON SHEET 1.
8. INSTALL 16" RESTRAINED BLIND FLANGE PER R.C.S.D. STD. DWG. W1240.
9. INSTALL 1" DOMESTIC WATER SERVICE, METER AND METER BOX PER R.C.S.D. STD. DWG. W1110.
10. INSTALL 16" CHDUC (10 CA) WATER MAIN WITH FULLY WELDED RESTRAINED JOINTS PER R.C.S.D. STD. DWG. W1240. TRENCH AND BACKFILL PER R.C.S.D. STD. DWG. C20.
11. INSTALL 16"x16" DUCTILE IRON (CLASS 350) 11.25" ELBOW WITH THURST BLOCK PER R.C.S.D. STD. DWG. G40.
12. INSTALL 16"x16" DUCTILE IRON (CLASS 350) 22.5" ELBOW WITH THURST BLOCK PER R.C.S.D. STD. DWG. G40.
13. PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 1.

48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I HEREBY CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P.M. NO. 37528 IS IN ACCORDANCE WITH THE WATER SYSTEM WATER PARTS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, TRENCH AND DISTRIBUTION SYSTEM WILL BE INSTALLED TO SERVE WATER SERVICE TO THE PARCELS OF SAID PARCEL MAP AND THAT THE DESIGN DOES NOT CONFLICT WITH ANY EXISTING WATER SERVICE PARCELS AND WATER SERVICE CONNECTIONS, OR PRELIMINARY DESIGN OF ANY OTHER WATER SERVICE CONNECTIONS.

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:

DATE: \_\_\_\_\_ DIRECTOR OF ENGINEERING, R.C.S.D.

VOID AFTER ONE YEAR FROM THIS DATE

NO.	REVISIONS	DATE	BY



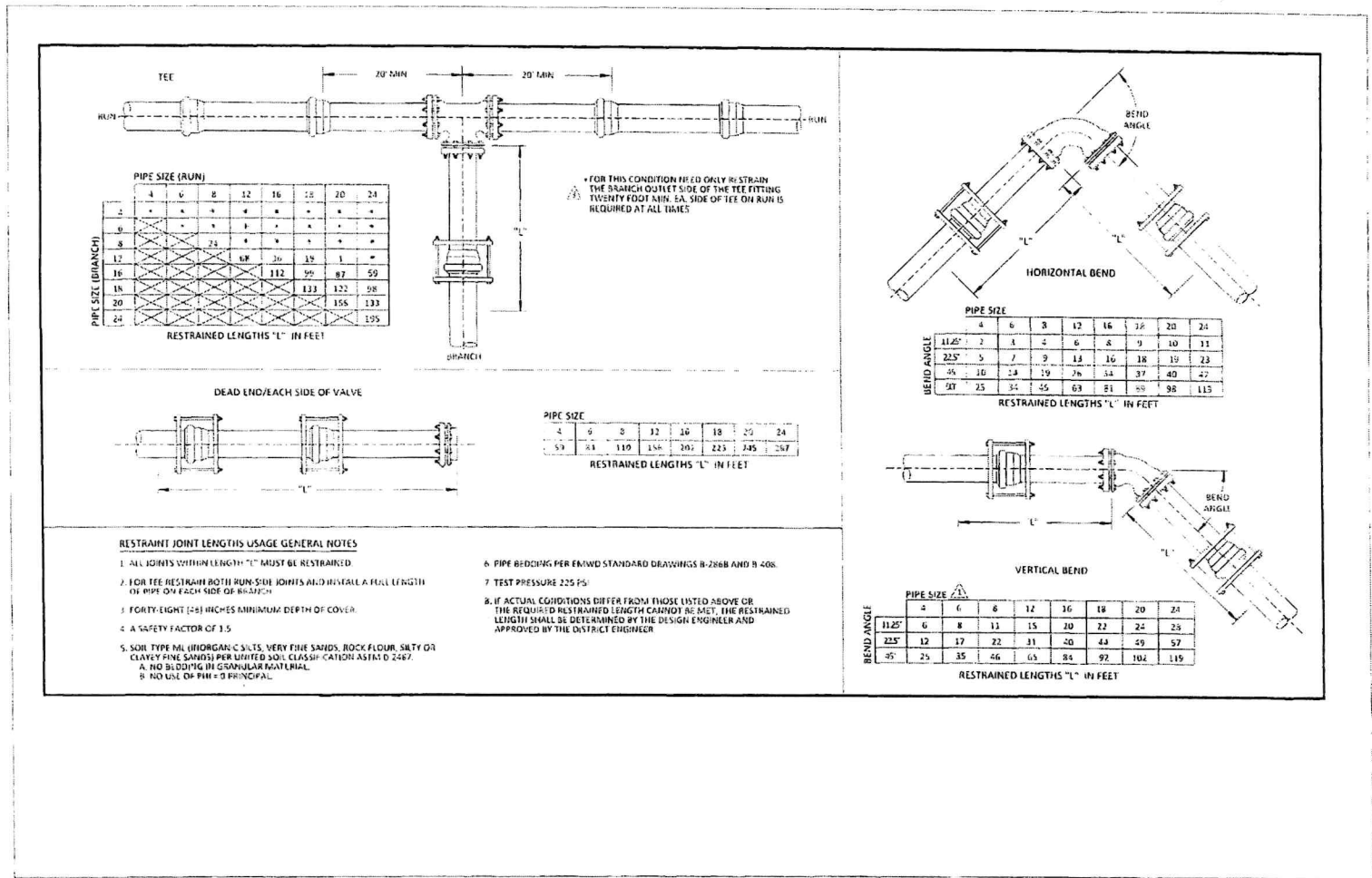
**Thienes Engineering, Inc.**  
14349 FIRESTONE BOULEVARD  
LA HABRA, CALIFORNIA 91708  
(714) 962-1111

APPROVED BY: *[Signature]*  
REGISTERED ENGINEER No. 26152 DATE: 2/12/22

SCALE: AS NOTED  
FIELD BOOK: \_\_\_\_\_  
DESIGN: M.R.  
DRAWN: D.T.  
CHECKED: R.S.

**RUBIDOUX COMMUNITY SERVICES DISTRICT**  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
PLAN AND PROFILE  
FROM STA 10+00.00 TO STA 20+83.61

SHEET **2** OF 5 SHEETS  
R.C.S.D. PLAN



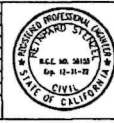
ALL VALVES SHOULD BE RESTRAINED ON EACH SIDE AS IF THEY WERE DEAD ENDS (SEE ABOVE)

48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM PER PLAN NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM WATER SERVICE OF THE RIBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE DESIGN SERVICE CHARGE HAS BEEN PAID TO THE DISTRICT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES BEFORE EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE PROTECTION OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES.

APPROVED BY THE RIBIDOUX COMMUNITY SERVICES DISTRICT ENGINEER  
DATE: 1/12/21  
DIRECTOR OF ENGINEERING  
DATE: 1/12/21  
VOID AFTER ONE YEAR FROM THIS DATE

NO.	REVISIONS	DATE	BY



Thienes Engineering, Inc.  
CIVIL ENGINEERING & LAND SURVEYING  
14349 FIRESTONE BOULEVARD  
LA BUREAU, CALIFORNIA 90638  
(626) 447-4111 (FAX) (626) 447-4111  
APPROVED BY: [Signature]  
REGISTERED ENGINEER NO. 36112 DATE: 1/12/21

SCALE	AS NOTED
FIELD BOOK	
DESIGN	M.R.
DRAWN	D.T.
CHECKED	R.S.

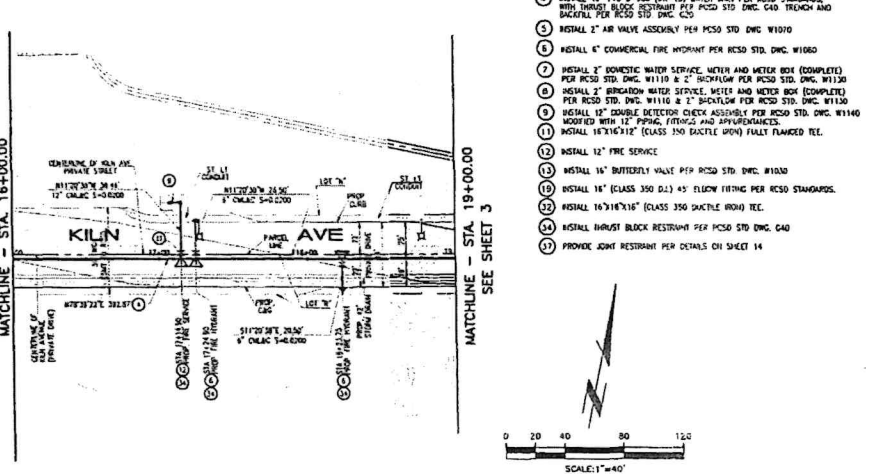
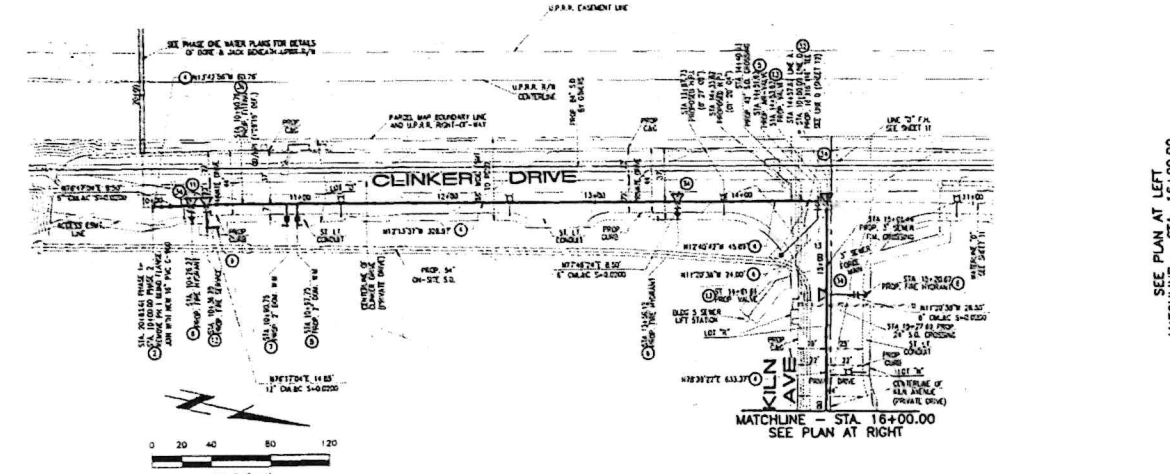
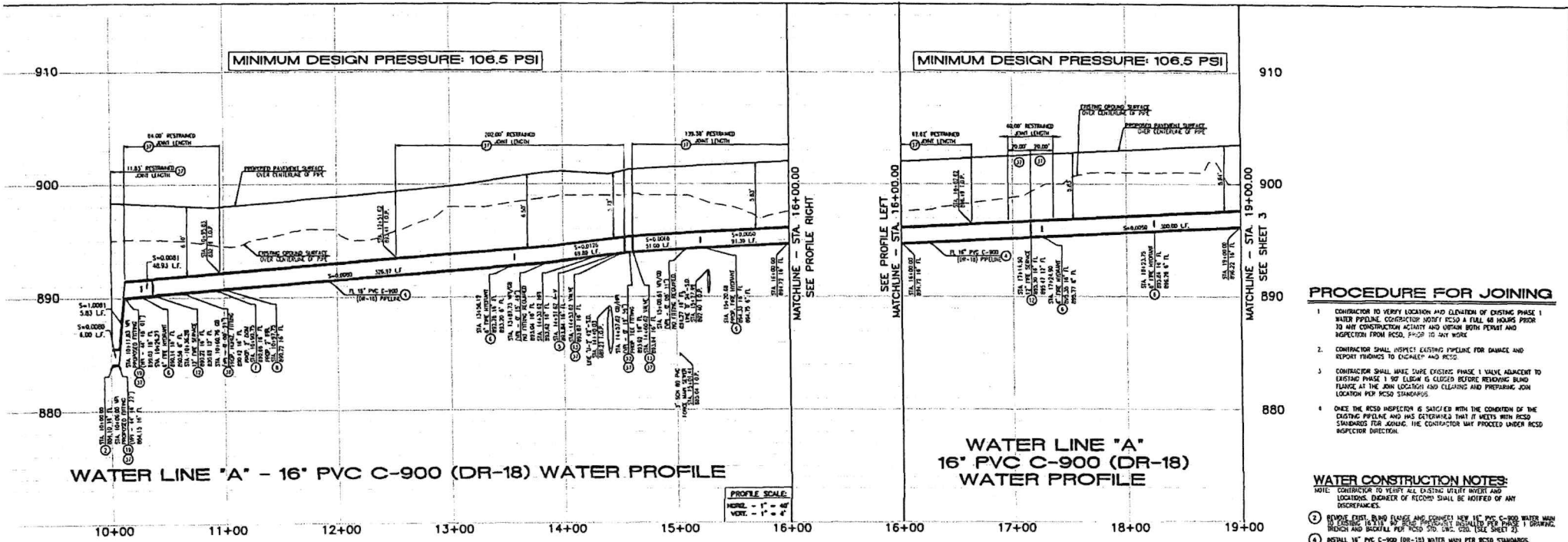
RIBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
RESTRAINED JOINT  
LENGTH DETAILS

SHEET  
3  
OF 8 SHEETS  
R.C.S.D. PLAN









- PROCEDURE FOR JOINING**
- CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING PHASE 1 WATER PIPELINE. CONTRACTOR MUST PCSO A FULL 8H HOURS PRIOR TO HIS CONSTRUCTION ACTIVITY AND OBTAIN BOTH PERMIT AND INSPECTION FROM PCSO. #2-208 TO ANY WORK.
  - CONTRACTOR SHALL INSPECT EXISTING PIPELINE FOR DAMAGE AND REPORT FINDINGS TO CDA/EE/AND PCSO.
  - CONTRACTOR SHALL MAKE SURE EXISTING PHASE 1 VALVE ADJACENT TO EXISTING PHASE 1 OF CLINKER IS CLOSED BEFORE REMOVING BLIND FLANGE AS THE JOIN LOCATION AND CLEANING AND PREPARING JOIN LOCATION PER PCSO STANDARDS.
  - ONCE THE PCSO INSPECTOR IS SATISFIED WITH THE CONDITION OF THE EXISTING PIPELINE AND HAS DETERMINED THAT IT MEETS WITH PCSO STANDARDS FOR JOINING, THE CONTRACTOR MAY PROCEED UNDER PCSO INSPECTOR DIRECTION.

- WATER CONSTRUCTION NOTES:**
- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY INVERT AND LOCATIONS. DIMENSION OF RECORDS SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- REMOVE EXIST. BLIND FLANGE AND CONNECT NEW 16" PVC C-900 WATER MAIN TO EXISTING WATER MAIN. ALL JOINTS SHALL BE INSTALLED PER PAR. 17.0 DRAWING. TRENCH AND BACKFILL PER PCSO STD. DWG. C-10. USE LOCAL SPEC. SHEET 25.
  - INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER PCSO STANDARDS, WITH THURST BLOCK RESTRAINT PER PCSO STD. DWG. G40. TRENCH AND BACKFILL PER PCSO STD. DWG. C-10.
  - INSTALL 2" AIR VALVE ASSEMBLY PER PCSO STD. DWG. W1010.
  - INSTALL 4" COMMERCIAL FIRE HYDRANT PER PCSO STD. DWG. W1000.
  - INSTALL 2" DOMESTIC WATER SERVICE, METER AND METER BOX (COMPLETE) PER PCSO STD. DWG. W1110 & 2" BACKFLOW PER PCSO STD. DWG. W1130.
  - INSTALL 2" BRIGHAM WATER SERVICE, METER AND METER BOX (COMPLETE) PER PCSO STD. DWG. W1110 & 2" BACKFLOW PER PCSO STD. DWG. W1130.
  - INSTALL 12" DOUBLE DETECTOR CHECK ASSEMBLY PER PCSO STD. DWG. W1140 MODIFIED WITH 12" PIPING, FITTINGS AND APPROPRIANCES.
  - INSTALL 16" BUTTERFLY VALVE PER PCSO STD. DWG. W1000.
  - INSTALL 16" (CLASS 350 D.I.) 45° ELBOW (RING PER PCSO STANDARDS).
  - INSTALL 16" (CLASS 350 D.I.) 2" BACKFLOW PER PCSO STD. DWG. W1130.
  - INSTALL THURST BLOCK RESTRAINT PER PCSO STD. DWG. G40.
  - PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.

**48 hours BEFORE excavation (800) 227-2600 CALL Underground Service Alert**

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PAR. NO. 37528 IS IN ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE DESIGN, CONSTRUCTION AND OPERATION OF THE WATER SYSTEM WILL BE IN ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES UNDER THE WATER SYSTEM.

APPROVED BY THE DIRECTOR OF ENGINEERING SERVICES DISTRICT OF RUBIDOUX COMMUNITY SERVICES DISTRICT

APPROVED BY THE REGISTERED PROFESSIONAL ENGINEER

**Thienes Engineering, Inc.**  
 CIVIL ENGINEERING - LAND SURVEYING  
 14349 FORESTGATE BOULEVARD  
 LA MIRADA, CALIFORNIA 90638  
 PHOENIX - 602.441.1111  
 FAX - 602.441.1112

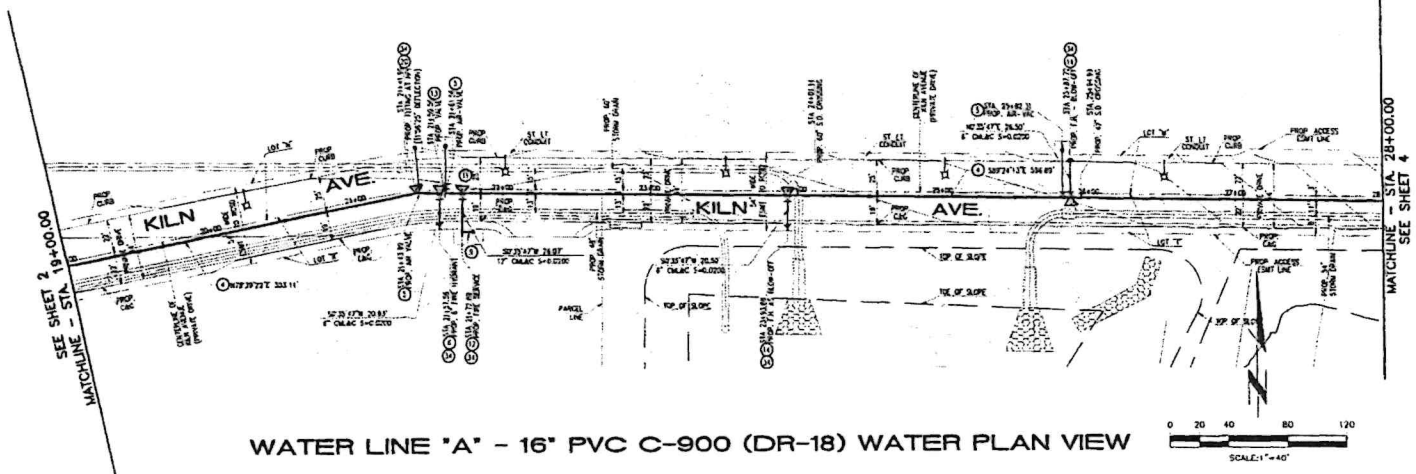
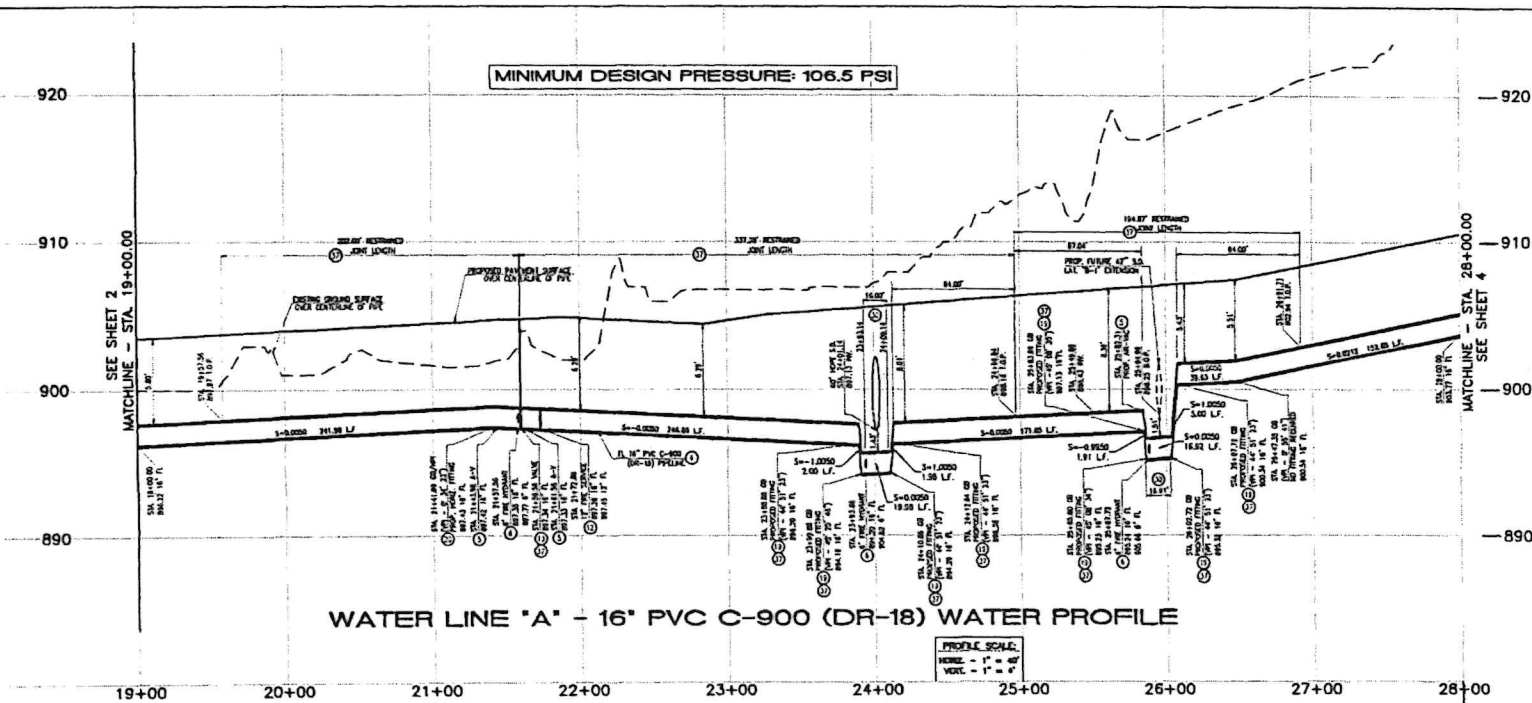
REGISTERED ENGINEER No. 26124 DATE: 12/2/22

SCALE: 1" = 40'

RUBIDOUX COMMUNITY SERVICES DISTRICT  
 WATER IMPROVEMENT PLAN FOR  
 PARCEL MAP NO. 37528  
 LINE "A" PLAN & PROFILE  
 STA. 10+00.00 TO STA. 19+00.00

SHEET 2 OF 18 SHEETS  
 R.C.S.D. PLAN M





- WATER CONSTRUCTION NOTES:**  
 NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY SIZES AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- ① INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER PCSO STANDARDS, WITH THROUST BLOCK RESTRAINT PER PCSO STD. DWG. C40. TRENCH AND BACKFILL PER PCSO STD. DWG. C40
  - ② INSTALL 1" AIR VALVE ASSEMBLY PER PCSO STD. DWG. W1070
  - ③ INSTALL 6" COMMERCIAL FIRE WASTEWATER PER PCSO STD. DWG. W1060
  - ④ INSTALL 12" DOUBLE BECKETT-CHERRY ASSEMBLY PER PCSO STD. DWG. W1140 MODIFIED WITH 12" PIPING, FITTINGS AND APPURTENANCES.
  - ⑤ INSTALL 16" 11.25" (CLASS 350 DUCTILE IRON) FLANK FLANGED TEE.
  - ⑥ INSTALL 12" FIRE SERVICE
  - ⑦ INSTALL 16" BUTTERFLY VALVE PER PCSO STD. DWG. W1030
  - ⑧ INSTALL 6" COMMERCIAL FIRE WASTEWATER PER PCSO STD. DWG. W1060 (AS A LOW-POINT SYSTEM BLOW-OFF)
  - ⑨ INSTALL 16" (CLASS 350 D.I.) 45° ELBOW FITTING PER PCSO STANDARDS.
  - ⑩ INSTALL 16" (CLASS 350 D.I.) 11.25" ELBOW FITTING PER PCSO STANDARDS.
  - ⑪ CONTRACTOR TO AVOID PLACING PIPE JOINTS IN THIS SPAN
  - ⑫ INSTALL THROUST BLOCK RESTRAINT PER PCSO STD. DWG. C40
  - ⑬ PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14

48 hours BEFORE excavation  
 (800) 227-2600  
 CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PARCEL NO. 37528 IS IN ACCORDANCE WITH THE WATER SYSTEM IMPROVEMENT PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, INSTALLATION AND CONNECTION SYSTEM WILL BE ADEQUATE TO SUPPLY WATER SERVICE TO SAID PARCELS AND THAT THE CONNECTION DOES NOT CONSTITUTE A CHANGE IN THE DESIGN OR THE PURPOSE OF THE PROJECT.

DATE: 11/27/23  
 DIRECTOR OF ENGINEERING, RCE 4578

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:

DATE: 11/27/23  
 DIRECTOR OF ENGINEERING, RCE 4578

NO.	REVISIONS	DATE	BY



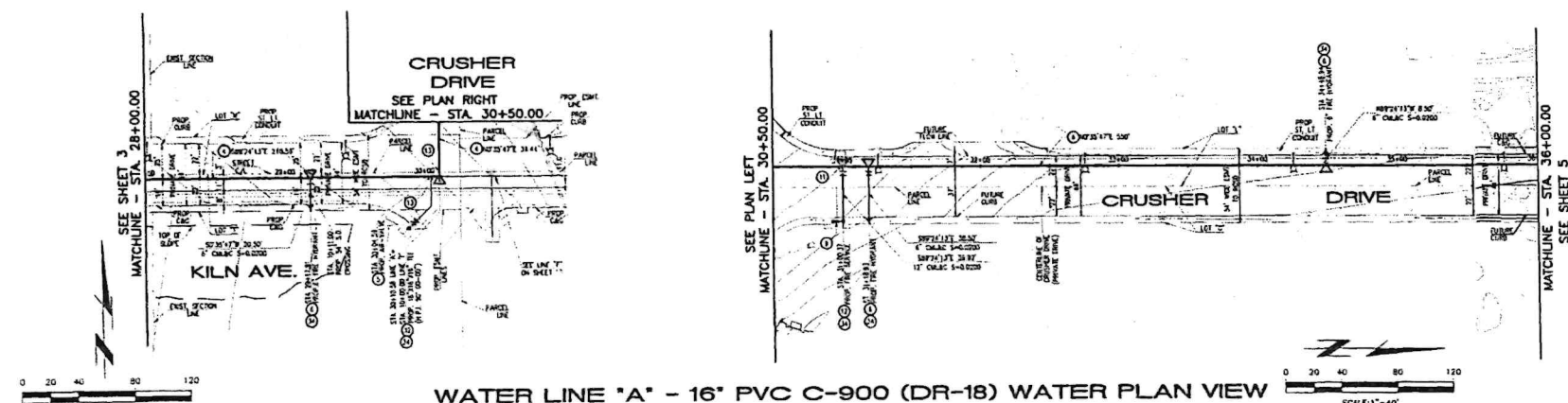
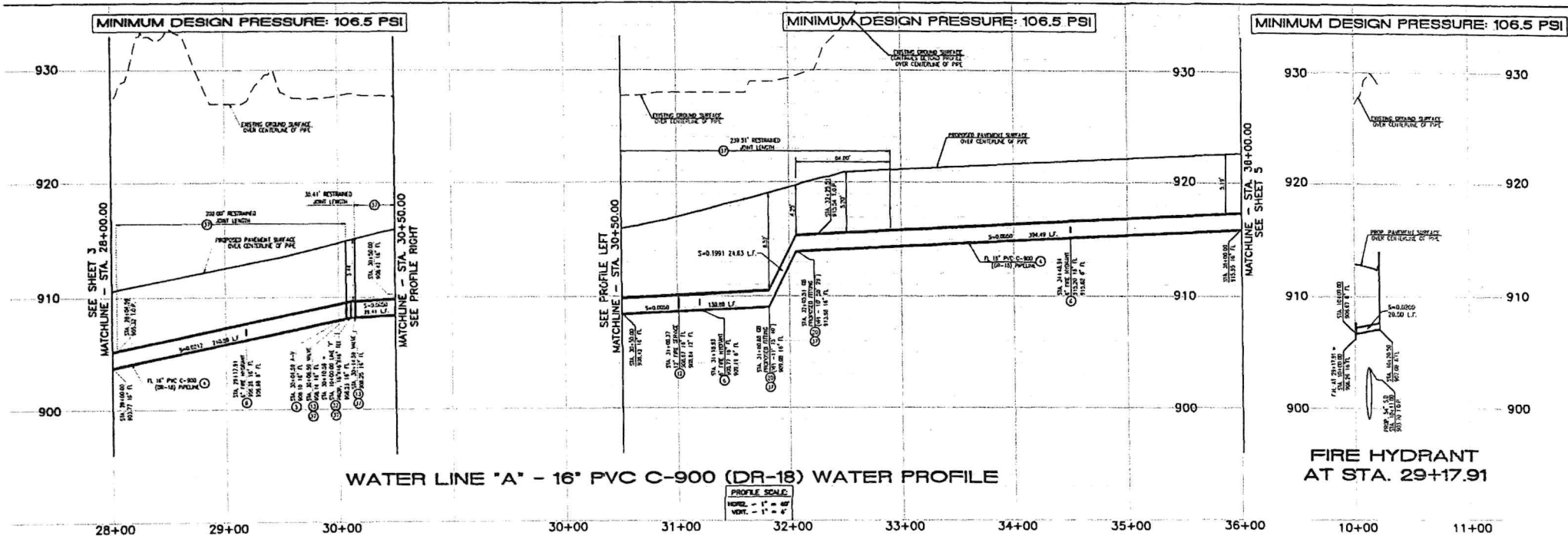
**T. J. Thienes Engineering, Inc.**  
 CIVIL ENGINEERING - LAND SURVEYING  
 14249 FRIESTONE BOULEVARD  
 LA BREA, CALIFORNIA 90639  
 PH: (310) 514-1111 FAX: (310) 514-1112

APPROVED BY: *[Signature]*  
 REGISTERED ENGINEER No. 56155 DATE: 11/27/23

SCALE: 1" = 40'  
 FIELD BOOK: \_\_\_\_\_  
 DESIGN: M.R.  
 DRAWN: D.T.  
 CHECKED: R.S.

RUBIDOUX COMMUNITY SERVICES DISTRICT  
 WATER IMPROVEMENT PLAN FOR  
 PARCEL MAP NO. 37528  
 LINE "A" PLAN & PROFILE  
 STA. 19+00.00 TO STA. 28+00.00

SHEET  
**3**  
 OF 18 SHEETS  
 R.C.S.D. PLAN NO.



- WATER CONSTRUCTION NOTES:**  
 NOTE: CONTRACTOR TO VERIFY ALL EXISTING QUALITY, SIZE, AND LOCATION. LOCATION OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER PCSO STANDARDS WITH BURST BLOCK RESTRAINT PER PCSO STD. DWG. GAO. TRENCH AND BACKFILL PER PCSO STD. DWG. C-2
  - INSTALL 2" AIR VALVE ASSEMBLY PER PCSO STD. DWG. W1070
  - INSTALL 6" COMMERCIAL FIRE HYDRANT PER PCSO STD. DWG. W1060
  - INSTALL 12" DOUBLE DETECTION CHECK ASSEMBLY PER PCSO STD. DWG. W1140 INSTALLED WITH 12" POSE, FITTING AND APPROPRIATE.
  - INSTALL 18" 18"18"12" (CLASS 350 DUCTILE IRON) FLAT FLANGED TEE.
  - INSTALL 12" FIRE SERVICE
  - INSTALL 18" BUTTERFLY VALVE PER PCSO STD. DWG. W1030
  - INSTALL 18" (CLASS 350 D.I.) 11.25" ELBOW FITTING PER PCSO STANDARDS.
  - INSTALL 18" 18"18"18" (CLASS 350 DUCTILE IRON) TEE.
  - INSTALL BURST BLOCK RESTRAINT PER PCSO STD. DWG. GAO
  - PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14

48 hours BEFORE excavation  
 (800) 227-2600  
 CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR THE PROJECT IS IN ACCORDANCE WITH THE DESIGN STANDARDS AND SPECIFICATIONS OF THE PUBLIC WORKS DEPARTMENT AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE RELIABLE TO SUPPLY WATER SERVICE TO SAID PARCELS OF SAID PROJECT AND THE DESIGNATION DOES NOT GUARANTEE THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ANY SPECIFIC QUANTITY, FLOW, OR PRESSURE. THE CLIENT ASSUMES ALL RISKS OF THIS PURPOSE.

Director of Engineering, ACE WITH

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT  
 DATE: 12-11-22  
 DIRECTOR: [Signature]  
 VOID AFTER ONE YEAR FROM THIS DATE

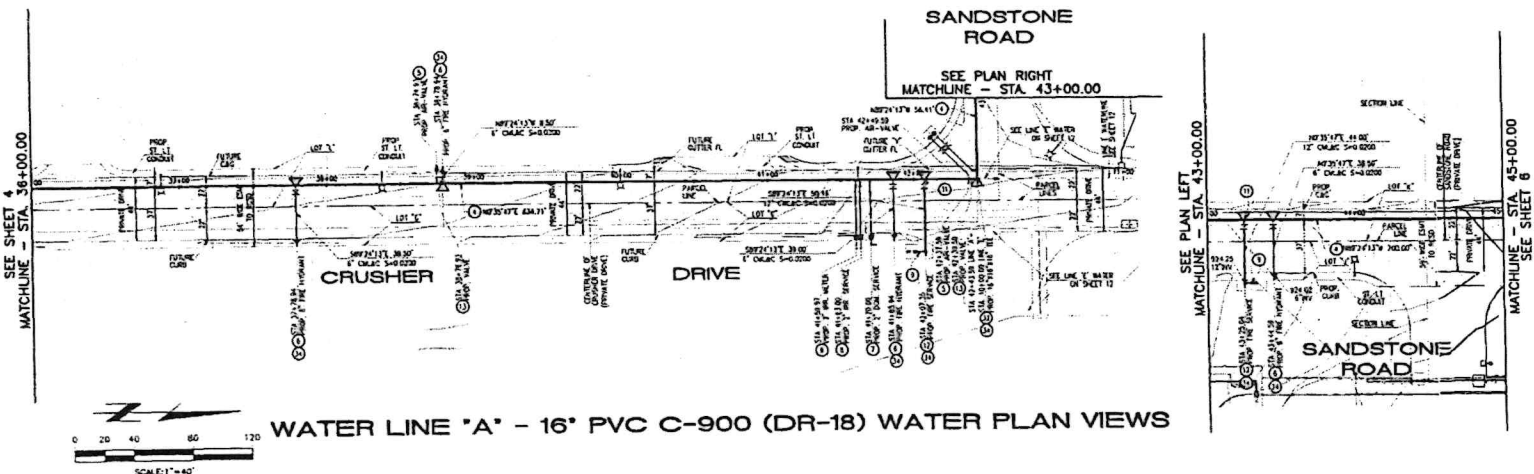
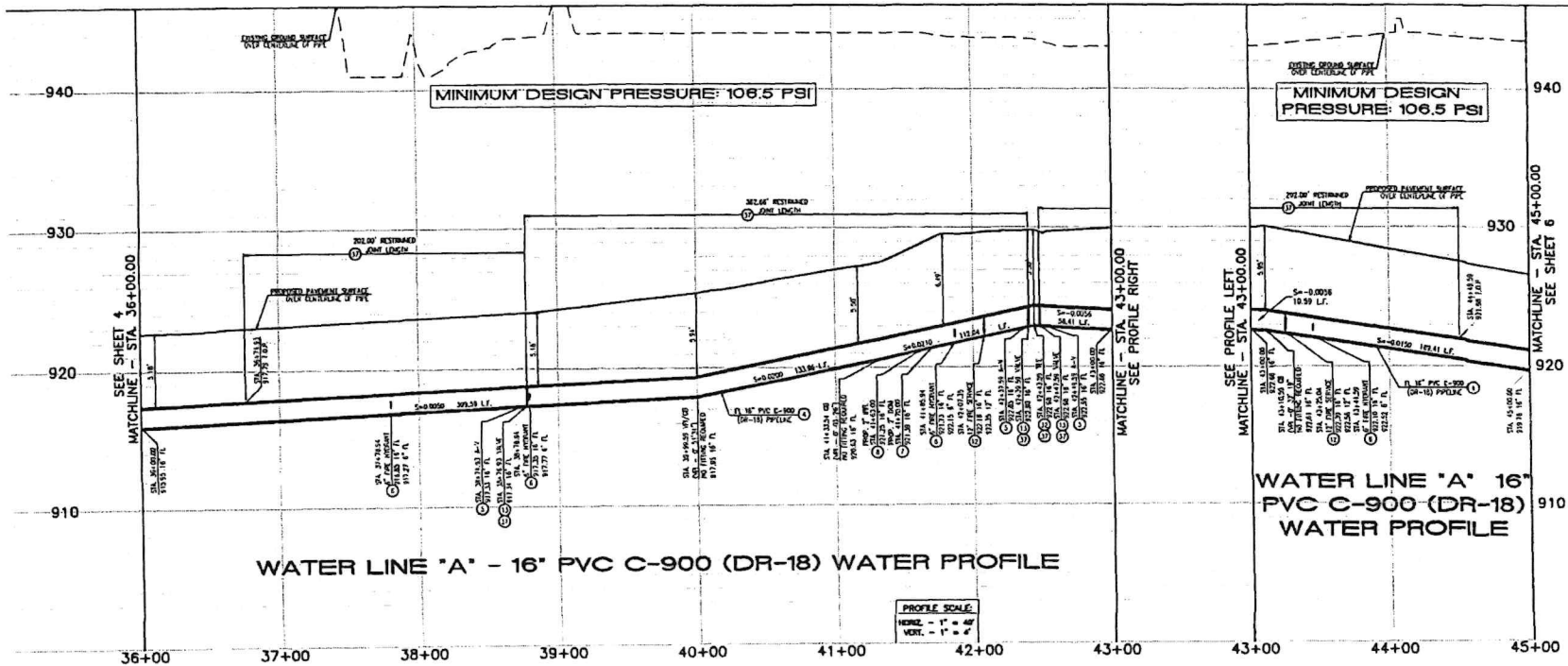
**T&E Thienes Engineering, Inc.**  
 CIVIL ENGINEERING - LAND SURVEYING  
 14400 FORESTRIDGE DRIVE, SUITE 100  
 LA BREA, CALIFORNIA 90638  
 PH: (310) 515-1111 FAX: (310) 515-1112

APPROVED BY: [Signature]  
 REGISTERED ENGINEER No. 56125 DATE: 12-11-22

RUBIDOUX COMMUNITY SERVICES DISTRICT  
 WATER IMPROVEMENT PLAN FOR  
 PARCEL MAP NO. 37528  
 LINE "A" PLAN & PROFILE  
 STA. 28+00.00 TO STA. 36+00.00

SCALE: 1" = 40'  
 FIELD BOOK  
 DESIGN: M.R.  
 DRAWN: D.T.  
 CHECKED: R.S.

SHEET 4 OF 18 SHEETS  
 R.C.S.D. PLAN N



- WATER CONSTRUCTION NOTES:**
- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY SIZES AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER RCSD STANDARDS, WITH THURST BLOCK RESTRAINT PER RCSD STD. DWG. C40. TRENCH AND MANHOLE PER RCSD STD. DWG. C25.
  - INSTALL 2" AIR VALVE ASSEMBLY PER RCSD STD. DWG. W1070
  - INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCSD STD. DWG. W1050
  - INSTALL 1" DOMESTIC WATER SERVICE METER AND METER BOX (COMPLETE) PER RCSD STD. DWG. W1110 & 2" BACKFLOW PER RCSD STD. DWG. W1110
  - INSTALL 2" SANITATION WATER SERVICE METER AND METER BOX (COMPLETE) PER RCSD STD. DWG. W1110 & 2" BACKFLOW PER RCSD STD. DWG. W1130
  - INSTALL 12" DOUBLE CHECK VALVE ASSEMBLY PER RCSD STD. DWG. W1140. MODIFIED WITH 12" PIPING, FITTINGS AND APPURTENANCES.
  - INSTALL 16"x16"x12" (CLASS 350 DUCTILE IRON) FULLY FLANGED FEE.
  - INSTALL 12" FIRE SERVICE
  - INSTALL 16" BUTTERFLY VALVE PER RCSD STD. DWG. W1030
  - INSTALL 16"x16"x16" (CLASS 350 DUCTILE IRON) FEE.
  - INSTALL THURST BLOCK RESTRAINT PER RCSD STD. DWG. C40
  - PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.

48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PARCEL NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RIBUDOIX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, SANITATION AND SANITATION SYSTEM WILL BE INSTALLED TO SERVE WATER SERVICE TO SAID PARCELS. MAP THIS DISTRIBUTION DOES NOT WARRANT THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ANY PURPOSE.

PROF. ENGINEER, CIVIL, OR MECHANICAL ENGINEER, REGISTERED IN CALIFORNIA

DATE: 11-28-22

DIRECTOR OF ENGINEERING, RCSD

APPROVED BY THE RIBUDOIX COMMUNITY SERVICES DISTRICT

DATE: 11-28-22

DIRECTOR OF ENGINEERING

VOO AFTER ONE YEAR, EXPIRES THIS DATE

NO.	REVISIONS	DATE	BY



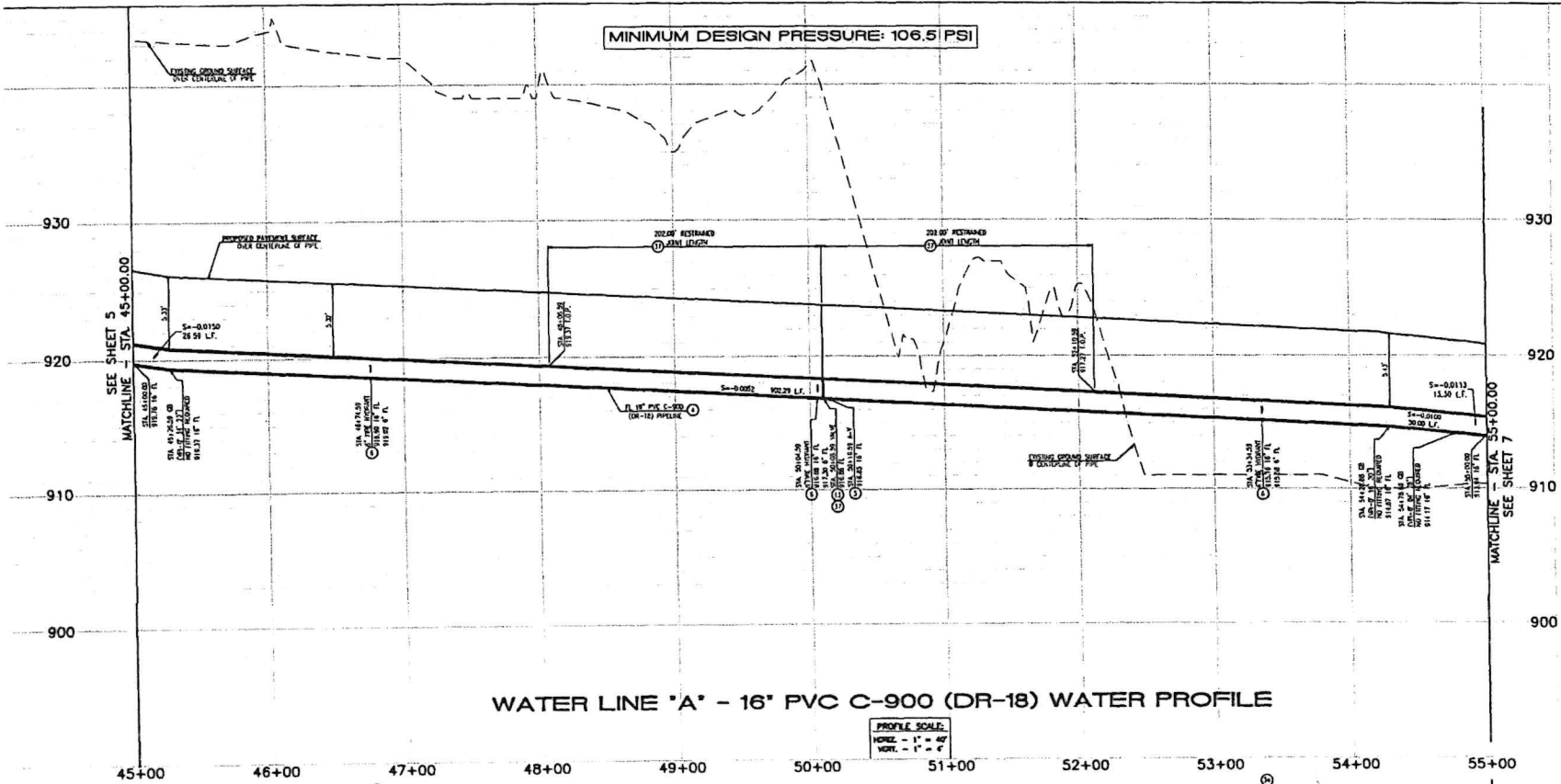
**Tai Thienes Engineering, Inc.**  
CIVIL ENGINEERING & LAND SURVEYING  
14340 FIRESTONE BOULEVARD  
CA 94708, CALIFORNIA LICENSED  
PROFESSIONAL ENGINEER (CIVIL) 56122-0111

APPROVED BY: *[Signature]*  
REGISTERED ENGINEER No. 56122 DATE: 11-28-22

SCALE: SCALE: 1" = 40'  
FIELD BOOK  
DESIGN: M.R.  
DRAWN: D.T.  
CHECKED: R.S.

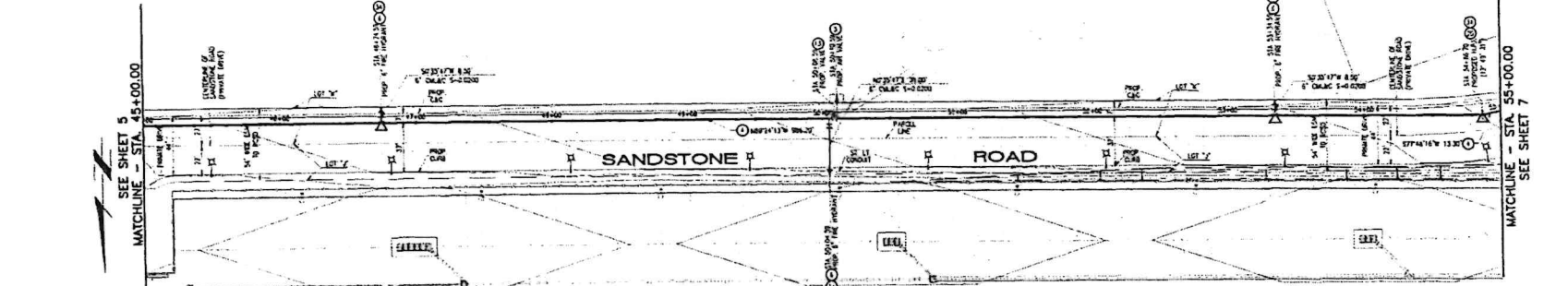
RIBUDOIX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
**LINE "A" PLAN & PROFILE**  
STA. 36+00.00 TO STA. 45+00.00

SHEET  
**5**  
OF 18 SHEET  
R.C.S.D. PLAN



WATER LINE "A" - 16" PVC C-900 (DR-18) WATER PROFILE

PROFILE SCALE:  
HORIZ. - 1" = 40'  
VERT. - 1" = 4'



WATER LINE "A" - 16" PVC C-900 (DR-18) WATER PLAN VIEW


- WATER CONSTRUCTION NOTES:**  
NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY DEPTH AND LOCATIONS. EXISTING UTILITY DEPTHS SHALL BE NOTED ON ANY DISCREPANCIES.
- 1. INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER RCDSD STANDARDS, WITH BURST BLOCK RESTRAINT PER RCDSD STD. DWG. CAD TRENCH AND BACKFILL PER RCDSD STD. W1070
  - 2. INSTALL 2" AIR VALVE ASSEMBLY PER RCDSD STD. DWG. W1070
  - 3. INSTALL 2" COMMERCIAL FINE MESH STRAIN PER RCDSD STD. DWG. W1080
  - 4. INSTALL 16" BUTTERFLY VALVE PER RCDSD STD. DWG. W1050
  - 5. INSTALL 18" (CLASS 300 D3) 15.25' SLABE FITTING PER RCDSD STANDARDS.
  - 6. INSTALL BURST BLOCK RESTRAINT PER RCDSD STD. DWG. CAD.
  - 7. PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.

 48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P.M. NO. 17018 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM IMPROVEMENT PLANS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEMS DESCRIBED HEREIN WILL BE ADEQUATE TO SUPPLY WATER SERVICE TO SAID PARCELS OF SAID PARCEL MAP. THIS REPRESENTATION DOES NOT GUARANTEE THAT I WILL SUPPLY WATER TO SAID PARCELS AT ANY PARTICULAR DATE, TIME, OR PRESSURE FOR THE PROTECTION OF ANY OTHER PARTY.  
Q. Rubidoux Community Services District  
222 Engineering, 10101 Rockwood  
Lorain, Ames Valley, CA 95929  
RUBIDOUX COMMUNITY SERVICES DISTRICT  
CIVIL ENGINEER, REG. NO. 10101

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT  
DATE: 11/11/2024  
DIRECTOR OF ENGINEERING  
RCE 48250  
VOD AFTER ONE YEAR FROM THIS DATE

REVISIONS  
DATE BY

 **Thienes Engineering, Inc.**  
CIVIL ENGINEERING - LAND SURVEYING  
14348 FIRESTONE BOULEVARD  
LA BREA, CALIFORNIA 90615  
PH: 562-441-1121  
APPROVED BY: *[Signature]*  
REGISTERED ENGINEER No. 25152 DATE: 11/11/24

SCALE: 1" = 40'  
FIELD BOOK  
DESIGN: M.R.  
DRAWN: D.T.  
CHECKED: R.S.

**RUBIDOUX COMMUNITY SERVICES DISTRICT**  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
LINE "A" PLAN & PROFILE  
STA. 45+00.00 TO STA. 55+00.00

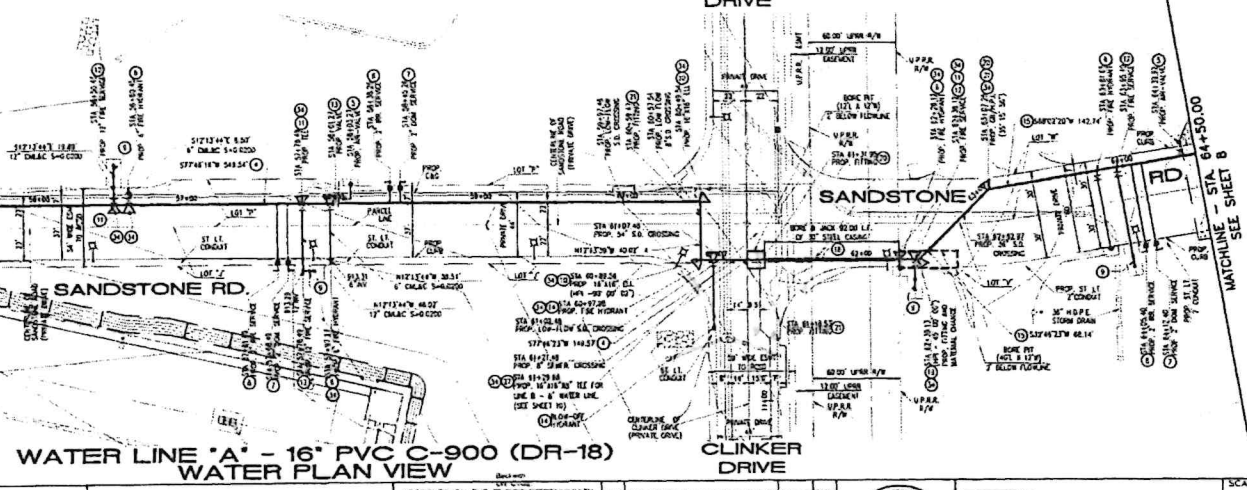
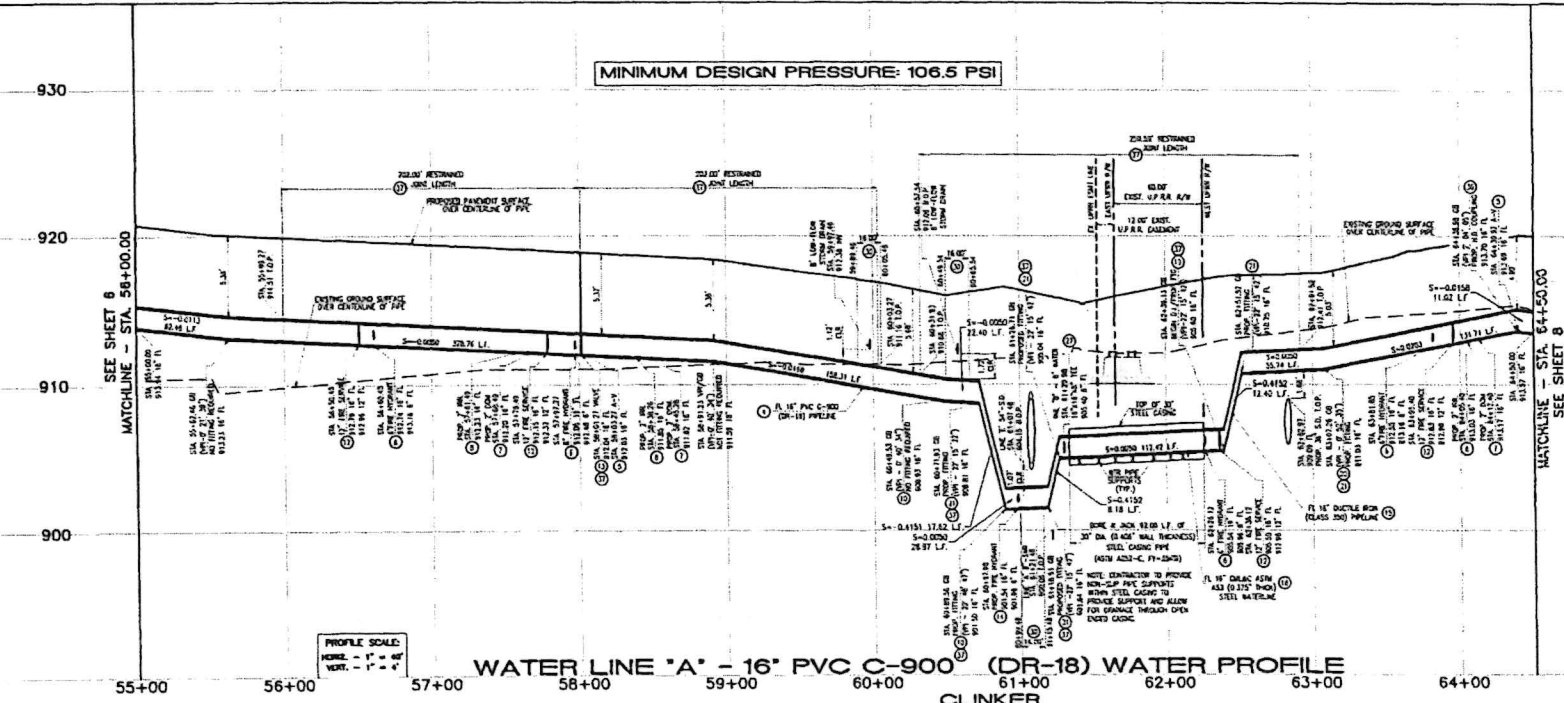
SHEET **6**  
OF 18 SHEETS  
R.C.S.D. PLAN N

MINIMUM DESIGN PRESSURE: 106.5 PSI

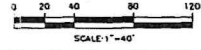
**WATER CONSTRUCTION NOTES:**  
 NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY LOCATIONS AND LOCATIONS. CHECKER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.

1. INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER PCSO STANDARDS, WITH THURST BLOCK RESTRAINT PER PCSO STD. DWG. 540. TRENCH AND BACKFILL PER PCSO STD. DWG. C20.
2. INSTALL 2" AIR VALVE ASSEMBLY PER PCSO STD. DWG. W1070.
3. INSTALL 6" COMMERCIAL FIRE HYDRANT PER PCSO STD. DWG. W1060.
4. INSTALL 2" DOMESTIC WATER SERVICE, METER AND METER BOX (COMPLETE) PER PCSO STD. DWG. W1110 & 2" BACKFLOW PER PCSO STD. DWG. W1130.
5. INSTALL 2" IRRIGATION WATER SERVICE, METER AND METER BOX (COMPLETE) PER PCSO STD. DWG. W1110 & 2" BACKFLOW PER PCSO STD. DWG. W1130.
6. INSTALL 1/2" DOUBLE DETECTOR CHECK ASSEMBLY PER PCSO STD. DWG. W1140.
7. INSTALL 16"x16" (CLASS 350 RAIN) FULLY FLANGED TEE.
8. INSTALL 12" FIRE SERVICE.
9. INSTALL 15" BUTTERFLY VALVE PER PCSO STD. DWG. W1030.
10. INSTALL 6" COMMERCIAL FIRE HYDRANT PER PCSO STD. DWG. W1060 (AS A LOW-POINT SYSTEM BLOW-OFF).
11. INSTALL 16" DUCTILE IRON (CLASS 350) WATER MAIN PER PCSO STANDARDS, WITH THURST BLOCK RESTRAINT PER PCSO STD. DWG. W1240. TRENCH AND BACKFILL PER PCSO STD. DWG. C20.
12. JACK AND BORE 30" DIA. (0.040" WALL THICKNESS) STEEL CASING (ASTM A252-C F703 A3) PER UNDERGROUND PIPING SPECIFICATIONS. SEE UPR ENFORCEMENT REQUIREMENTS ON SHEET 1 AND LICENSE AGREEMENT (PAGES 13-16). INSTALL 16" DUCTILE IRON (CLASS 350) WATER MAIN WITH WELDED JOINTS AND TRANSITION COUPLINGS TO GO FROM PVC TO STEEL AND STEEL TO DUCTILE IRON.
13. INSTALL 16" (CLASS 350 D1) 45° ELBOW FITTING PER PCSO STANDARDS.
14. INSTALL 16" (CLASS 350 D1) 11.25° ELBOW FITTING PER PCSO STANDARDS.
15. INSTALL 16" (CLASS 350 D1) 22.5° ELBOW FITTING PER PCSO STANDARDS.
16. INSTALL 16"x16"x20" (CLASS 350 DUCTILE IRON) TEE.
17. CONTRACTOR TO AVOID PLACING PIPE JOINTS IN THIS SPAN.
18. INSTALL THURST BLOCK RESTRAINT PER PCSO STD. DWG. 540.
19. INSTALL 16" DI. HIGH DETENTION COUPLING.
20. PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.

**WATER LINE "A" - 16" PVC C-900 (DR-18) WATER PROFILE**



**WATER LINE "A" - 16" PVC C-900 (DR-18) WATER PLAN VIEW**



**48 hours BEFORE excavation**  
 (800) 227-2600  
 CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PARCEL MAP NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RUBIDOU COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, TRENCH AND INSTALLATION SYSTEM WILL BE NECESSARY TO SUPPLY WATER SERVICE TO SAID PARCELS AND THAT THE INSTALLATION DOES NOT GUARANTEE THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ANY SPECIFIC QUANTITY, FLOW, OR PRESSURE OR FOR ANY PARTICULAR PURPOSE.

Rubidoux Community Services District  
 600 Engineering, 600 East Broadway  
 Lancaster, Arapaho Valley, CA 93250  
 Rubidoux Water Department  
 600 East Broadway, Lancaster, CA 93250

APPROVED BY THE RUBIDOU COMMUNITY SERVICES DISTRICT ENGINEER  
 DATE: 4/2/2024  
 VOD AFTER ONE YEAR FROM THIS DATE

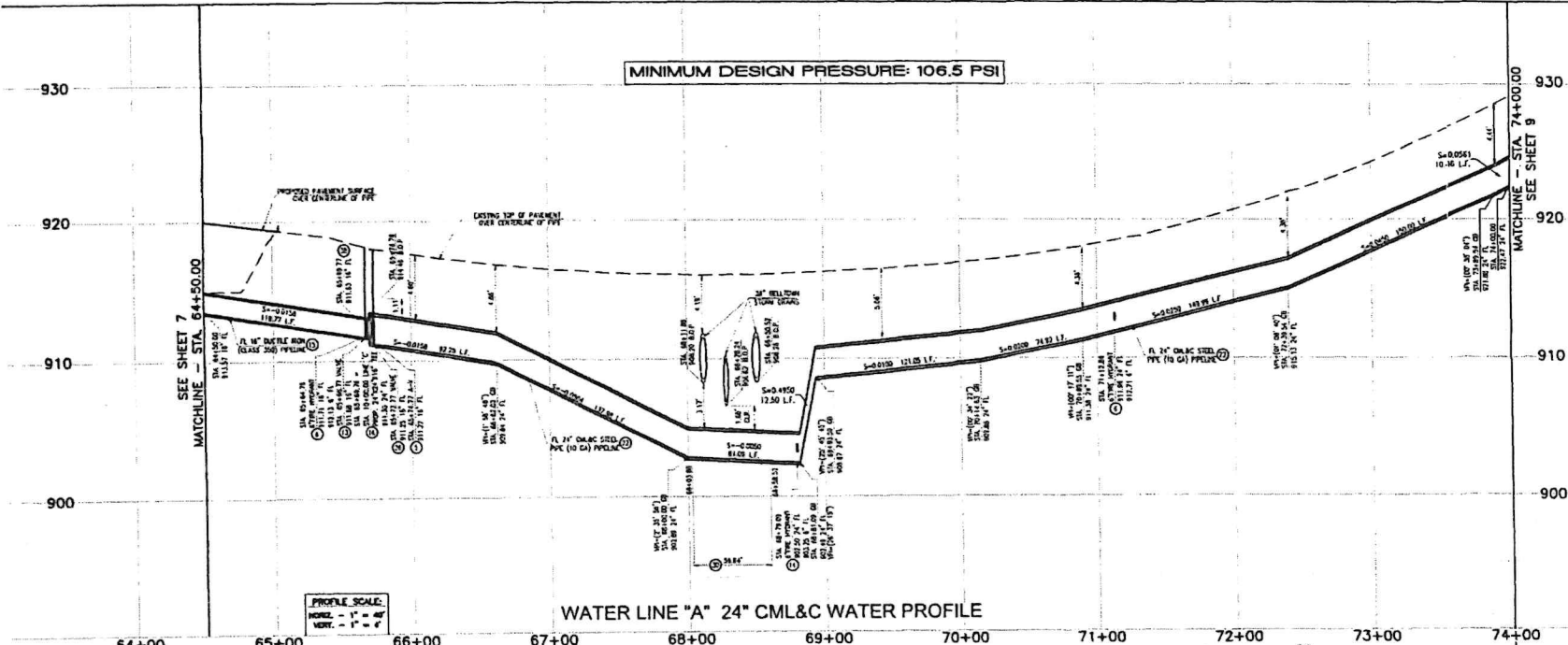
REVISIONS  
 DATE BY

**Thienes Engineering, Inc.**  
 14349 FIRESTONE BOULEVARD  
 LA BARRA, CALIFORNIA 92506  
 (951) 261-1111  
 APPROVED BY: [Signature]  
 REGISTERED ENGINEER No. 56155 DATE: 4/2/2024

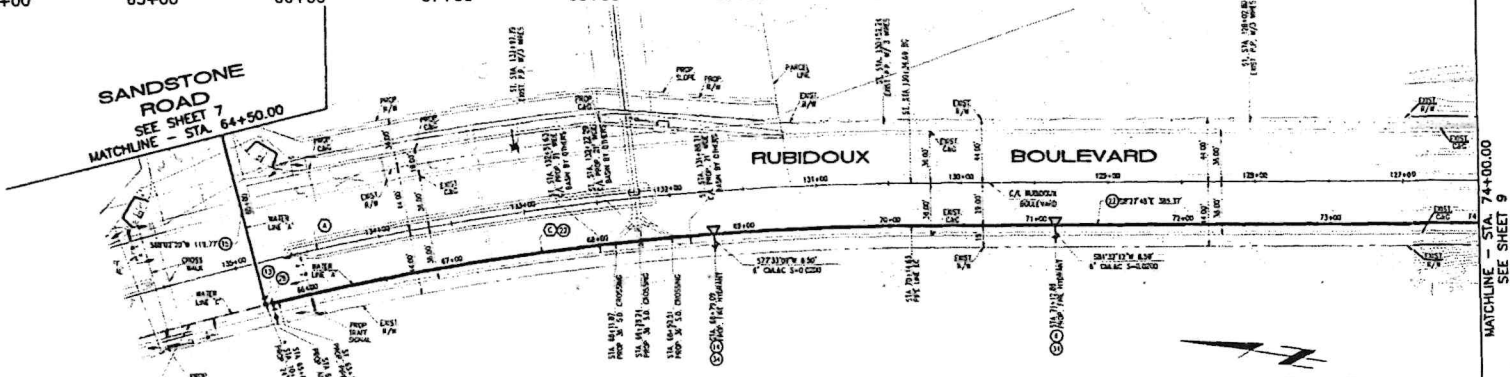
SCALE: 1"=40'  
 FIELD BOOK  
 DESIGN: M.R.  
 DRAIN: D.T.  
 CHECKED: R.S.

**RUBIDOU COMMUNITY SERVICES DISTRICT**  
 WATER IMPROVEMENT PLAN FOR  
 PARCEL MAP NO. 37528  
**LINE "A" PLAN & PROFILE**  
 STA. 55+00.00 TO STA. 64+50.00

SHEET  
**7**  
 OF 18 SHEETS  
 R.C.S.D. PLAN N:



WATER LINE "A" 24" CML&C WATER PROFILE



WATER LINE "A" - 24" CML&C WATER PLAN VIEW

RUBIDOUX BLVD CENTERLINE CURVE TABLE				
CURVE #	DELA	RADIUS	LENGTH	ANGEND
A	2377.37'	2000.00'	816.84'	415.24'

RUBIDOUX BLVD PIPE CENTERLINE CURVE TABLE				
CURVE #	DELA	RADIUS	LENGTH	ANGEND
B	1235.54'	1971.00'	444.96'	233.84'

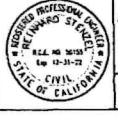
- WATER CONSTRUCTION NOTES:**  
 NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY WARE AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- 13 INSTALL 2" AIR VALVE ASSEMBLY PER RCSD STD. DWG. W1070
  - 14 INSTALL 6" COMMERCIAL PIPE HYDRANT PER RCSD STD. DWG. W1050
  - 15 INSTALL 16" BUTTERFLY VALVE PER RCSD STD. DWG. W1030
  - 16 INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCSD STD. DWG. W1050 (AS A LOW-PRESS SYSTEM BLOW-OFF).
  - 17 INSTALL 1/2" CAST-IRON (CLASS 200) WATER WASH PER RCSD STANDARDS WITH FULLY RESISTANT JOINTS PER RCSD STD. DWG. W1240 TRENCH AND BACKFILL PER RCSD STD. DWG. 520
  - 18 INSTALL 24"X24"X1/2" CHALC FLANGED STEEL ILE PER RCSD STANDARDS TRENCH AND BACKFILL PER RCSD STD. DWG. 520
  - 19 INSTALL 24" CHALC (10 GA.) STEEL PIPE WATER MAIN PER RCSD STANDARDS, FULLY WELDED RESISTANT JOINTS PER RCSD STD. DWG. W1240 TRENCH AND BACKFILL PER RCSD STD. DWG. 520
  - 20 INSTALL 24" BUTTERFLY VALVE PER RCSD STD. DWG. W1030
  - 21 CONTRACTOR TO AVOID PLACING PIPE JOINTS IN THIS SPAN
  - 22 INSTALL THROST BLOCK RESTRAINT PER RCSD STD. DWG. 520
  - 23 PROVIDE 15' SOLUTION COMPLIANT FROM EP TO STEEL (FOR CORROSION PROTECTION)

**48 hours BEFORE excavation**  
 (800) 227-2600  
 CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PARCEL NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE RUBIDOUX COMMUNITY SERVICES DISTRICT HAS BEEN ADVISED BY THIS ENGINEER OF RECORD AND CONSENTS THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ANY SPECIFIC QUANTITIES, FLOWS, OR PRESSURES AS INDICATED ON THIS PLAN.

DATE: 12-31-22  
 ENGINEER: [Signature]  
 DIRECTOR: [Signature]

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT ENGINEERING DEPARTMENT  
 DATE: 12-31-22  
 DIRECTOR: [Signature]



**Tienes Engineering, Inc.**  
 CIVIL ENGINEERING • LAND SURVEYING  
 14349 FIRESTONE BOULEVARD  
 LA HABRA, CALIFORNIA 91748  
 PH: (626) 441-1121 FAX: (626) 441-1121

APPROVED BY: [Signature]  
 REGISTERED ENGINEER No. 55125 DATE: 3-17-23

SCALE: SCALE: 1"=40'  
 FIELD BOOK  
 DESIGN: M.R.  
 DRAWN: D.T.  
 CHECKED: R.S.

**RUBIDOUX COMMUNITY SERVICES DISTRICT**  
 WATER IMPROVEMENT PLAN FOR  
 PARCEL PLAN NO. 37528  
 LINE "A" PLAN & PROFILE  
 STA. 64+50.00 TO STA. 74+00.00

SHEET  
**8**  
 OF 10 SHEETS  
 R.C.S.D. PLAN #

MINIMUM DESIGN PRESSURE: 106.5 PSI

**BEDROCK NOTE:**

IF BEDROCK IS ENCOUNTERED, BEDROCK SHALL BE REMOVED AT LEAST 1' BELOW PIPE GRADE AND REINFORCED WITH MOST DENSE SAND, SAND AND GRAVEL, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE DISTRICT, TYPED IN PLACE AT 90 PERCENT RELATIVE COMPACTION MINIMUM. TRENCH BOTTOM SHALL BE GRADED FLAT AND PREPARED TO RECEIVE PIPE AND UNDERLAYING MATERIAL PER TECHNICAL SPECIFICATION SECTION 10-1. PART 2.2. OF REQUIREMENTS WITHIN THE GEOTECHNICAL PROFILE, INDICATED BY WORK SHEET.

**WATER CONSTRUCTION NOTES:**

NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY LOCATIONS AND LOCATIONS, ENDPOINTS OF RECORDS SHALL BE NOTIFIED OF ANY DISCREPANCIES.

- 1 REMOVE EX. BLIND FLANGE AND INSTALL NEW 24" CML&C STEEL WATER
- 2 INSTALL 2" AIR VALVE ASSEMBLY PER RCSD STD. DWG. W10070
- 3 INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCSD STD. DWG. W10060
- 4 INSTALL 24" CML&C (18 G) STEEL PIPE WATER MAIN PER RCSD STANDARD FULLY WELDED RESTRAINED JOINTS PER RCSD STD. DWG. W10240 TRENCH AND INSTALL PER RCSD STD. DWG. G40
- 5 INSTALL 24" CML&C STEEL 45 DEGREE FITTING PER RCSD STANDARDS
- 6 INSTALL 24" BUTTERFLY VALVE PER RCSD STD. DWG. W10030
- 7 INSTALL INVERT BURST RESTRAINT PER RCSD STD. DWG. G40

**PROCEDURE FOR JOINING**

- 1 CONTRACTOR TO DETERMINE VOLUME OF DEMOLITION REQUIRED FOR EXISTING PIPELINE AND PREPARE AND SUBMIT PLAN FOR DEPEND OF SCHEMATIC DRAWING TO DISTRICT PRIOR TO SCHEDULING ANY CONNECTION WORK.
- 2 CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING TEE FROM DISTRICT PLAN 11106, SUPPLY WATER TO THE SOUTH FROM THE RESERVOIR. CONTRACTOR NOTIFY RCSD A FULL 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY AND OBTAIN WORK PERMIT AND INSPECTION FROM RCSD PRIOR TO ANY WORK.
- 3 CONTRACTOR SHALL INSPECT EXISTING PIPELINE FOR DAMAGE AND REPORT FINDINGS TO ENGINEER AND RCSD.
- 4 ANY INTERRUPTED SYSTEM DEMOLITION SHALL BE COORDINATED WITH RCSD AND AFFECTED CUSTOMERS TO RCSD'S SATISFACTION AND WITH THEIR CHANGE AND DIRECTION.
- 5 CONTRACTOR SHALL MAKE SURE EXISTING VALVES ADJACENT TO EXISTING TEE ARE CLOSED BEFORE FINISHING BLIND FLANGE AT THE JOIN LOCATION AND CLEANING AND PREPARING JOIN LOCATION PER RCSD STANDARDS.
- 6 ONCE THE RCSD INSPECTOR IS SATISFIED WITH THE CONDITION OF THE EXISTING PIPELINE AND HAS DETERMINED THAT IT MEETS WITH RCSD STANDARDS FOR JOINT, THE CONTRACTOR MAY PROCEED UNDER RCSD INSPECTION DIRECTION.

WATER LINE "A" 24" CML&C WATER PROFILE

PROFILE SCALE:  
HORIZ. - 1" = 40'  
VERT. - 1" = 4'

WATER LINE "A" - 24" CML&C WATER PLAN VIEW

**CONNECTION DETAIL "A"**

SCALE: 1" = 1'-6"

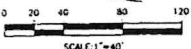
RUBIDOUX BLVD. CENTERLINE CURVE TABLE			
CURVE #	DELTA	RADIUS	LENGTH
1	174°42'	1500.00'	330.25'
2	174°42'	1500.00'	330.25'

RUBIDOUX BLVD. FIVE CENTERLINE CURVE TABLE			
CURVE #	DELTA	RADIUS	LENGTH
1	174°42'	1500.00'	330.25'
2	174°42'	1500.00'	330.25'

SEE SHEET B  
MATCHLINE - STA. 74+00.00

SEE SHEET B  
MATCHLINE - STA. 74+00.00



48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PARCEL NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLANS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, SEWERAGE AND DISTRIBUTION SYSTEM SERVICES DESCRIBED AND SHOWN HEREIN WERE DESIGNED TO SERVE PARCELS AND THAT THE INFORMATION DOES NOT WARRANT THAT IT WILL SUPPORT OTHER THAN THE PARCELS AND THAT SPECIFIC JOINTS, FLANGES, OR FITTINGS FOR THE PROTECTION OF ANY OTHER PARCELS OR UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

DATE: 3/27/22  
DIRECTOR OF ENGINEERING: RSC 4878

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT  
DATE: 3/27/22  
DIRECTOR OF ENGINEERING: RSC 4878

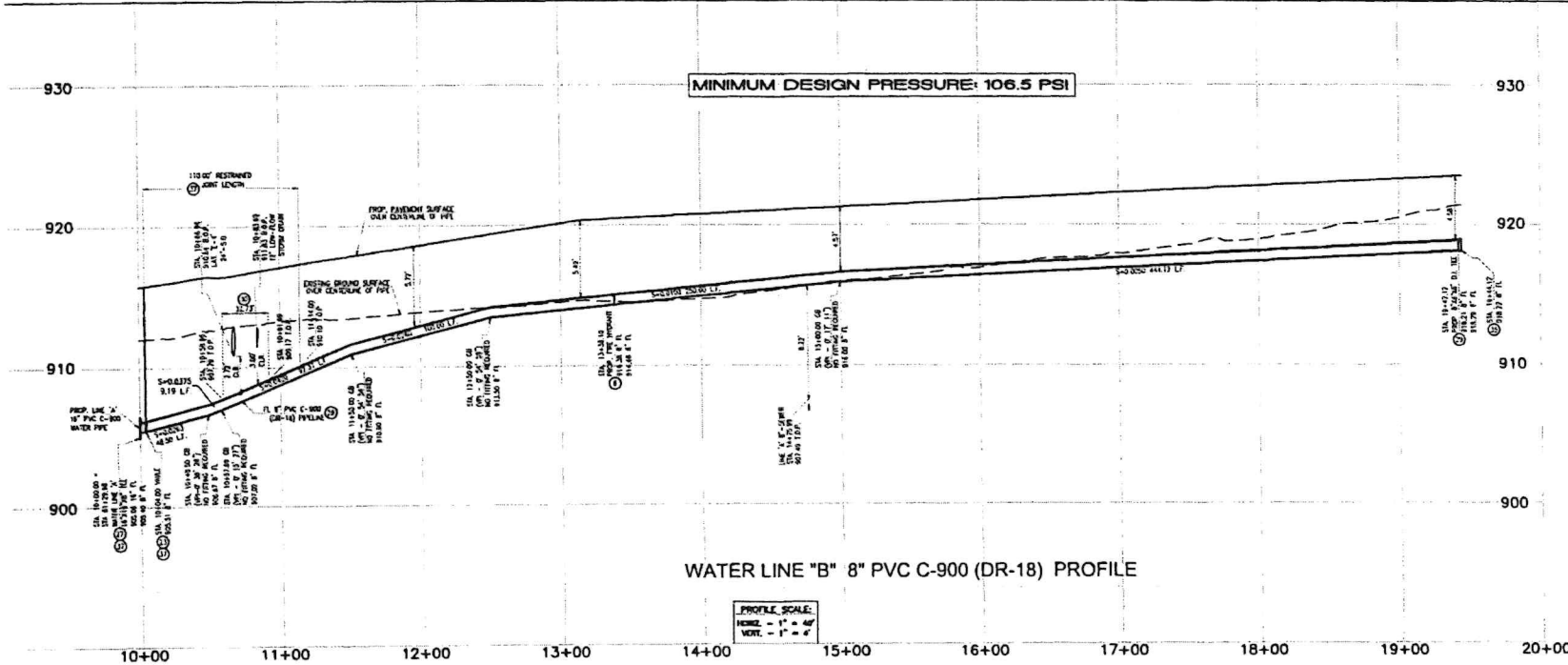
VOG AFTER ONE YEAR FROM THIS DATE



**Thienes Engineering, Inc.**  
CIVIL ENGINEERING - LAND SURVEYING  
14240 FORESTVIEW BOULEVARD  
LA BREA, CALIFORNIA 90009  
PH: 310-711-1111 FAX: 310-711-1112

APPROVED BY: [Signature]  
REGISTERED ENGINEER No. 22125 DATE: 3/27/22

SCALE: 1" = 40'	RUBIDOUX COMMUNITY SERVICES DISTRICT WATER IMPROVEMENT PLAN FOR PARCEL MAP NO. 37528 LINE "A" PLAN & PROFILE STA. 74+00.00 TO STA. 82+59.39	SHEET 9 OF 18 SHEETS R.C.S.D. PLAN A
FIELD BOOK		
DESIGN: M.R.		
DRAWN: D.T. CHECKED: R.S.		



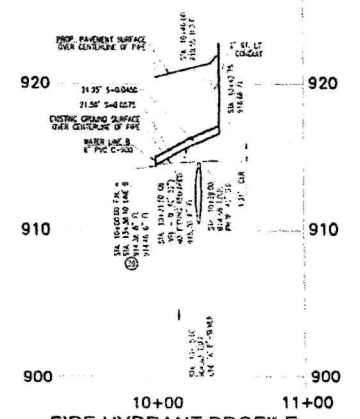
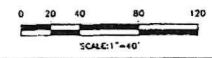
SANDSTONE ROAD

SANDSTONE ROAD

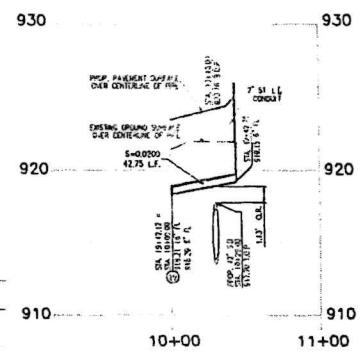
WATER LINE "B" 8" PVC C-900 (DR-18) PROFILE

PROFILE SCALE:  
 HORIZ. - 1" = 40'  
 VERT. - 1" = 4'

WATER LINE "B" - 8" PVC C-900 (DR-18) PLAN VIEW



FIRE HYDRANT PROFILE  
 STA. 13+38.10 LINE B



FIRE HYDRANT PROFILE  
 STA. 19+42.12 LINE B

**WATER CONSTRUCTION NOTES:**

NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY WORK AND LOCATIONS. CHECKER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.

- ① INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCSD STD. DWG. W1060
- ② INSTALL 8" GATE VALVE PER PER RCSD STD. DWG. W1025
- ③ INSTALL 18"x18"x16" (CLASS 350 DUCTILE IRON) TEE
- ④ INSTALL 8" PVC C-900 (DR-18) WATER MAIN PER RCSD STANDARDS, WITH THURST BLOCK RESISTANT 210 RCSD STD. DWG. C42 FRENCH AND BACKWALL PER RCSD STD. DWG. C24
- ⑤ INSTALL 8"x20"x4" (CLASS 350 DUCTILE IRON) TEE
- ⑥ CONTRACTOR TO AVOID PLACING PIPE JOINTS IN THIS SPAN
- ⑦ INSTALL 8"x8" (CLASS 350 DUCTILE IRON) 45° ELBOW
- ⑧ INSTALL THURST BLOCK RESISTANT PER RCSD STD. DWG. C40
- ⑨ INSTALL 8" D1 BEND FLANGE
- ⑩ PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.

48 hours BEFORE excavation  
 (800) 227-2600  
 CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P.B. NO. 3726 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM WATER PLANS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, COVERAGE AND DISTRIBUTION SYSTEM WILL BE ADEQUATE TO SUPPLY WATER SERVICE TO SAID PARCELS OF SAID PARCELS AND THAT THE DESIGNER HAS AND WARRANTS THAT IT WILL SUPPLY WATER TO SAID PARCELS AT THE SPECIFIC QUANTITIES, PRESSURES, AND TEMPERATURES SET FORTH IN THE PLANS.  
 DATE: 3/27/22  
 DIRECTOR OF ENGINEERING, P.C.E. #719

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT  
 DATE: 3/27/22  
 VDU AFTER ONE YEAR FROM THIS DATE

NO.	REVISIONS	DATE	BY



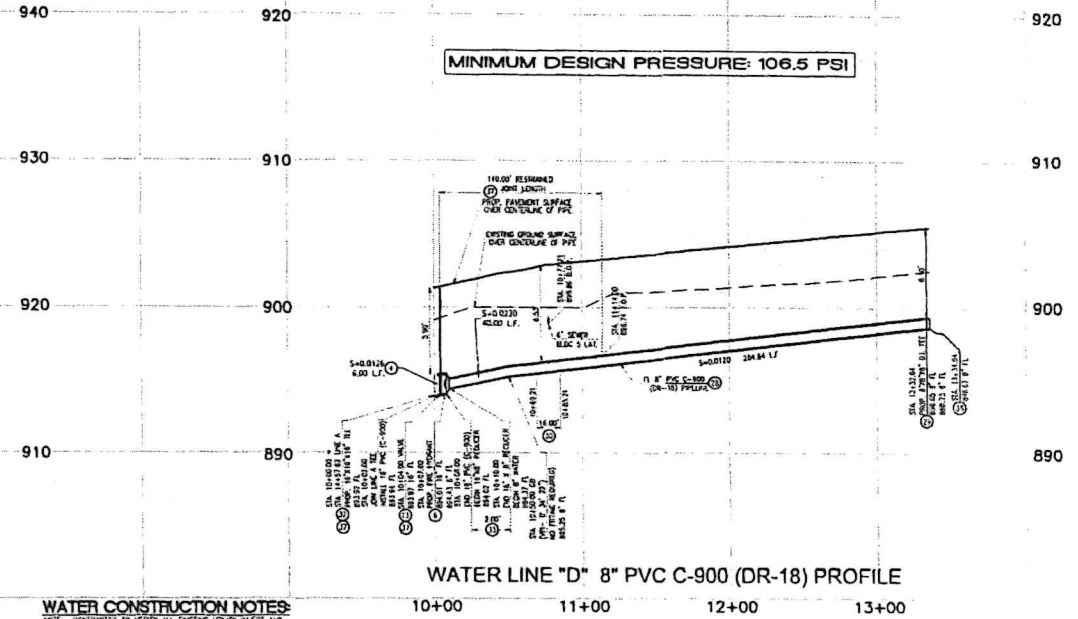
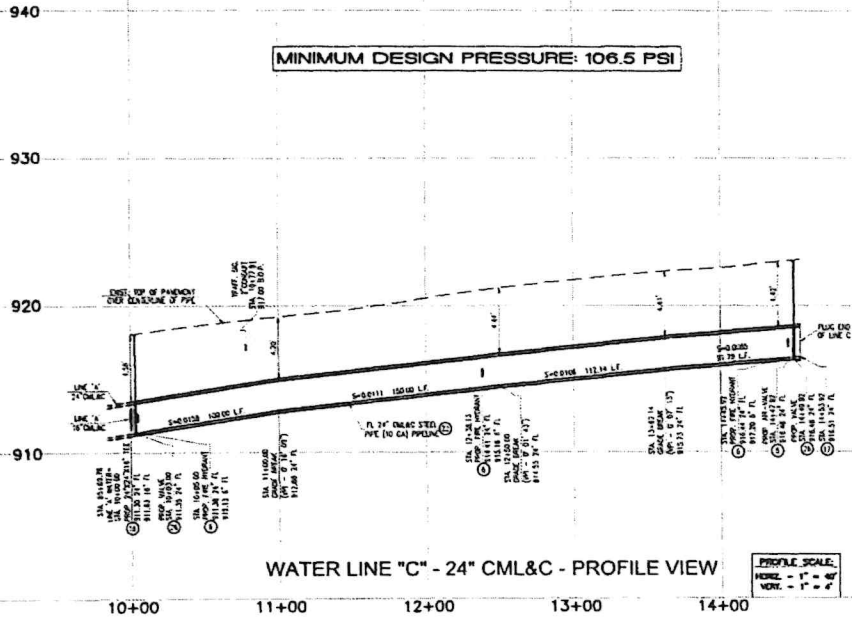
**Thiens Engineering, Inc.**  
 CIVIL ENGINEERING & LAND SURVEYING  
 14349 SANDSTONE BOULEVARD  
 SUITE 100A, SANDSTONE, CALIFORNIA 94583  
 PH: (925) 471-1111  
 APPROVED BY: [Signature]  
 REGISTERED ENGINEER No. 52152 DATE: 3/27/22

SCALE: 1"=40'	SCALE: 1"=40'
FIELD BOOK	
DESIGN	M.R.
DRAWN	D.T.
CHECKED	R.S.

**RUBIDOUX COMMUNITY SERVICES DISTRICT**  
 WATER IMPROVEMENT PLAN FOR  
 PARCEL PLAN NO. 37526  
**LINE "B" PLAN & PROFILE**  
 STA. 10+00.00 TO STA. 19+84.87

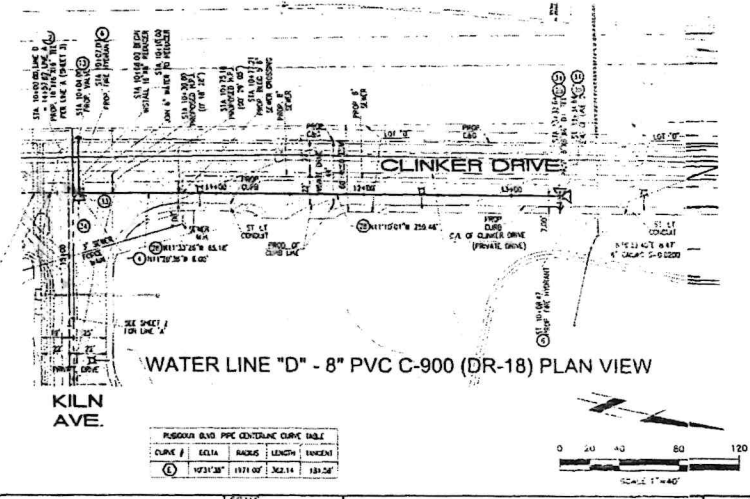
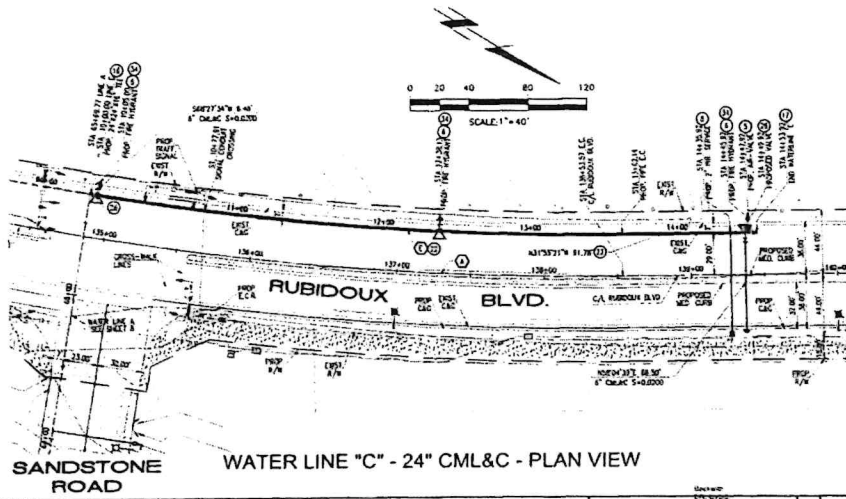
SHEET **10** OF 18 SHEETS  
 R.C.S.D. PLAN #





**WATER CONSTRUCTION NOTES:**

- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY PIPES AND LOCATIONS. CHANGES OF RECORDS SHALL BE NOTIFIED OF ANY OCCURRENCES.
- INSTALL 14" PVC C-900 (DR-18) WATER MAIN PER RECORD STANDARDS WITH THRUST BLOCK RESTRAINT PER RECORD STD. ENG. C40 TRENCH AND BACKFILL PER RECORD STD. ENG. C40.
  - INSTALL 1" AIR VALVE ASSEMBLY PER RECORD STD. ENG. W1070.
  - INSTALL 1" COMMERCIAL FIRE HYDRANT PER RECORD STD. ENG. W1060.
  - INSTALL 2" IRRIGATION WATER SERVICE METER AND METER BOX (COMPLETE) PER RECORD STD. ENG. W1110 & 1" BACKFLOW PER RECORD STD. ENG. W1130.
  - INSTALL 16" BUTTERFLY VALVE PER RECORD STD. ENG. W1030.
  - INSTALL 24"x30"x16" CML&C FLANGED STEEL TEE PER RECORD STANDARDS, TRENCH AND BACKFILL PER RECORD STD. ENG. C40.
  - INSTALL CML&C 24" BLIND FLANGE AND THRUST BLOCK PER RECORD STAND.
  - INSTALL 24" CML&C (10 CA) STEEL PIPE WATER MAIN PER RECORD STANDARDS, FULLY WELDED RESTRAINT JOINTS PER RECORD STD. ENG. W1240, TRENCH AND BACKFILL PER RECORD STD. ENG. C40.
  - INSTALL 24" BUTTERFLY VALVE PER RECORD STD. ENG. W1030.
  - INSTALL 8" PVC C-900 (DR-18) WATER MAIN PER RECORD STANDARDS WITH THRUST BLOCK RESTRAINT PER RECORD STD. ENG. C40 TRENCH AND BACKFILL PER RECORD STD. ENG. C40.
  - INSTALL 8"x8"x8" (CLASS 350 DUCTILE IRON) TEE.
  - CONTRACTOR TO AVOID PLACING PIPE JOINTS IN THIS SPAN.
  - INSTALL 18"x16"x16" (CLASS 350 DUCTILE IRON) TEE.
  - INSTALL 16"x8" (CLASS 350 DUCTILE IRON) REDUCER.
  - INSTALL THRUST BLOCK RESTRAINT PER RECORD STD. ENG. C40.
  - INSTALL 8" O.D. BLIND FLANGE.
  - PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.



RUBIDOUX BLVD. CENTERLINE CURVE TABLE

CURVE #	SECTA	RADIUS	LENGTH	TANGENT
1	277.37°	2000.00'	819.86'	115.25'

RUBIDOUX BLVD. PVP CENTERLINE CURVE TABLE

CURVE #	SECTA	RADIUS	LENGTH	TANGENT
2	107.17°	1171.00'	362.14'	138.24'

48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P.M. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLANS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, TRENCH AND DISTRIBUTION SYSTEM SHALL BE ADJUSTED TO SERVE THE AREA TO BE SHOWN ON THIS PLAN. THE CONTRACTOR DOES NOT WARRANT THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ANY SPECIFIC QUANTITY, PRESSURE OR PROVISION FOR THE PROTECTION OF THE PROPERTY.

D. Rubidoux Community Services District  
Civil Engineering Department  
RCE 48798  
1400 N. 1st Street, Suite 100  
St. Louis, MO 63102

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION

DATE: \_\_\_\_\_  
DIRECTION: \_\_\_\_\_  
VOID AFTER ONE YEAR FROM THIS DATE

NO.	REVISIONS	DATE	BY

SCALE: 1" = 40'  
FIELD BOOK

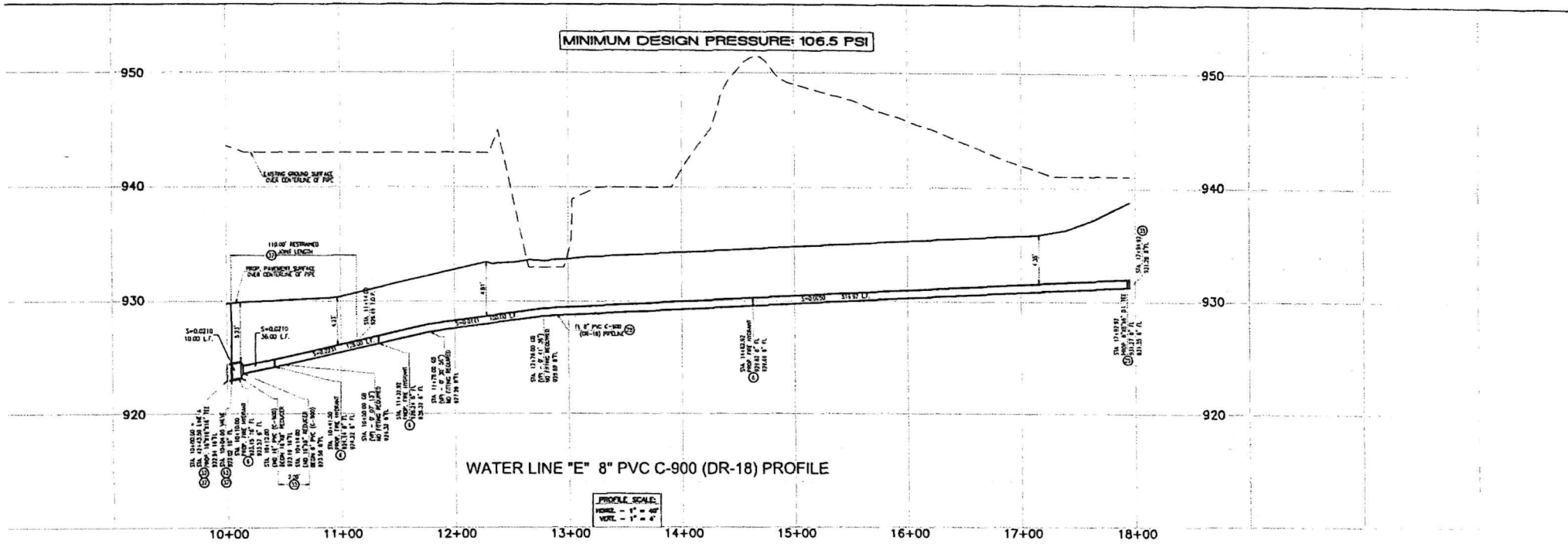
DESIGN: M.R.  
DRAWN: D.T.  
CHECKED: R.S.

REGISTERED ENGINEER No. 58125 DATE: 12/27/22

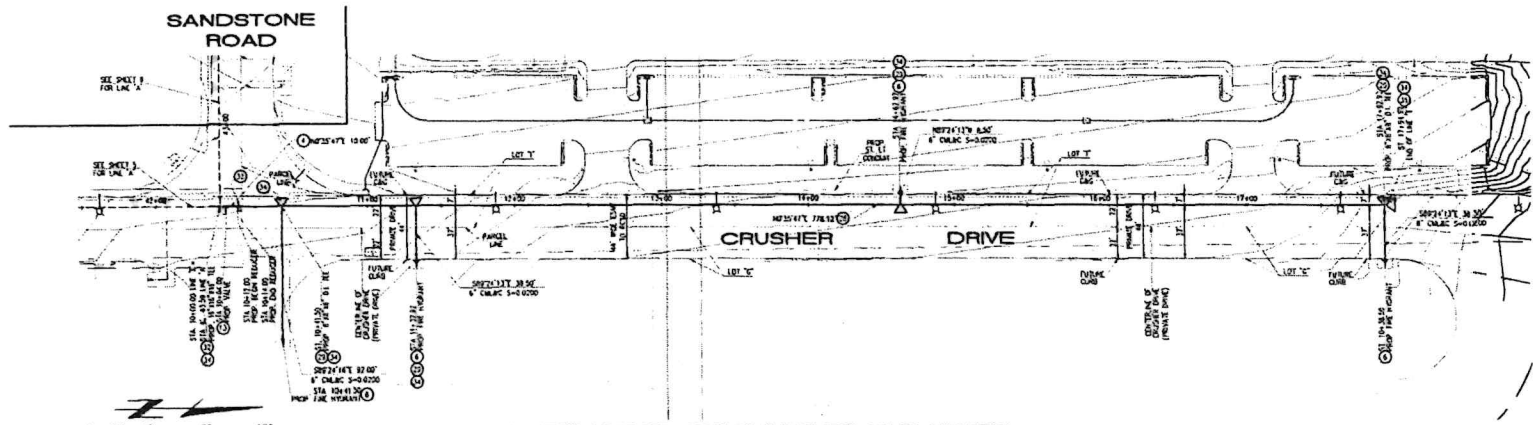
RUBIDOUX COMMUNITY SERVICES DISTRICT

WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
LINE "C" PLAN & PROFILE  
STA. 10+00.00 TO STA. 14+53.92  
LINE "D" PLAN & PROFILE  
STA. 10+00.00 TO STA. 13+41.11

SHEET  
**11**  
OF 18 SHEETS  
R.C.S.D. PLAN 1




WATER LINE "E" 8" PVC C-900 (DR-18) PROFILE



WATER LINE "E" - 8" PVC C-900 (DR-18) PLAN VIEW

- WATER CONSTRUCTION NOTES**
- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY LOCATIONS AND LOCATIONS. DIMENSION OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- 1) INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER PCSO STANDARDS, WITH THRUST BLOCK RESTRAINT PER PCSO STD. DWG. C40, TRENCH AND BACKFILL PER PCSO STD. DWG. C20.
  - 2) INSTALL 6" COMMERCIAL FIRE HYDRANT PER PCSO STD. DWG. W1000.
  - 3) INSTALL 14" BUTTERFLY VALVE PER PCSO STD. DWG. W1030.
  - 4) INSTALL 8" PVC C-900 (DR-18) WATER MAIN PER PCSO STANDARDS, WITH THRUST BLOCK RESTRAINT PER PCSO STD. DWG. C40, TRENCH AND BACKFILL PER PCSO STD. DWG. C20.
  - 5) INSTALL 8"Øx8" (CLASS 350 DUCTILE IRON) TEE.
  - 6) INSTALL 16"Øx16" (CLASS 350 DUCTILE IRON) TEE.
  - 7) INSTALL 16"Øx8" (CLASS 350 DUCTILE IRON) REDUCER.
  - 8) INSTALL THRUST BLOCK RESTRAINT PER PCSO STD. DWG. C40.
  - 9) INSTALL 6" Ø. D. BLDG. FLANGE.
  - 10) PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.

 48 hours BEFORE excavation  
 (800) 227-2600  
 CALL Underground Service Alert

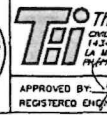
I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PARCEL 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLANS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, ZONING AND DISTRIBUTION SYSTEM WILL BE ADJUSTED TO SUPPLY WATER SERVICE TO SAID PARCELS AND THAT THE UTILITY LOCATIONS AND DEPTHS SHOWN ON THIS PLAN ARE THE RESULT OF FIELD SURVEY AND ARE NOT TO BE CONSIDERED AS A GUARANTEE OF THE LOCATION AND DEPTHS OF ANY UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTHS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

DATE: 3/27/22  
 DIRECTOR OF ENGINEERING: ACE 4478

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION

DATE: 3/27/22  
 DIRECTOR OF ENGINEERING: ACE 4478

VOO AFTER ONE YEAR FROM THIS DATE

 **Tai Thienes Engineering, Inc.**  
 CIVIL ENGINEERING - LAND SURVEYING  
 14340 FORESTONE BOULEVARD  
 LA BREA, CALIFORNIA 90009  
 PH: 310-521-4444 FAX: 310-521-1134

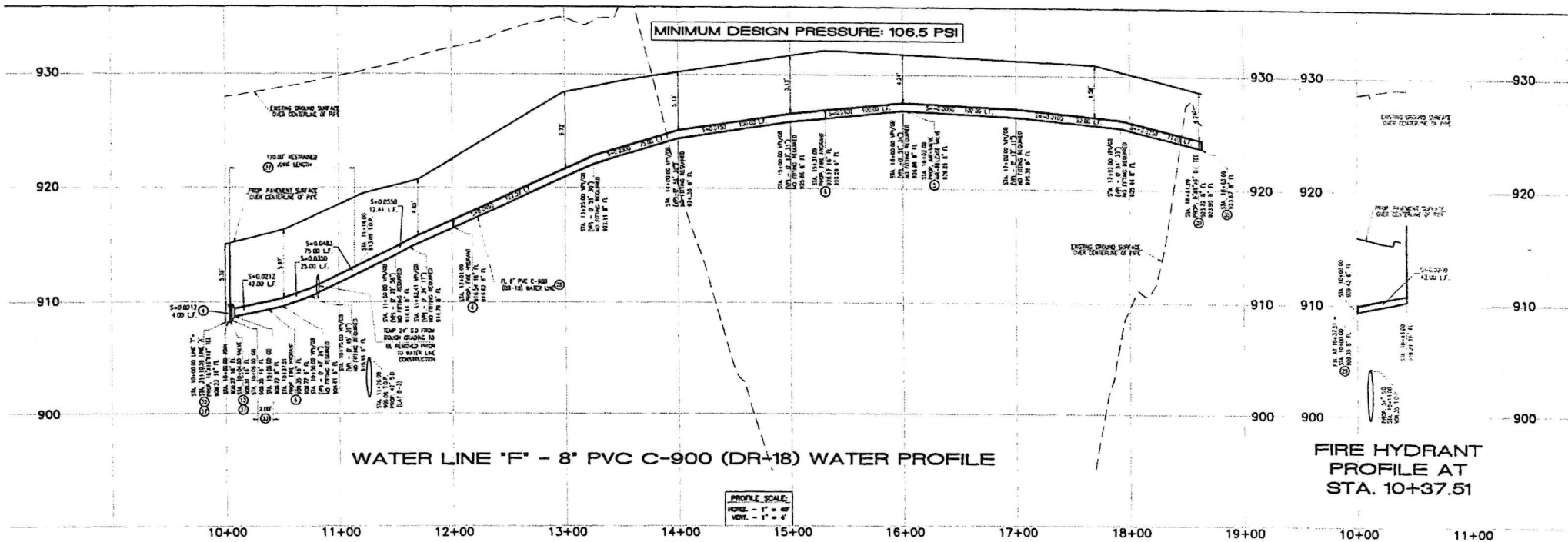
APPROVED BY: *Tai Thienes*  
 REGISTERED ENGINEER No. 58155 DATE: 3/27/22

RUBIDOUX COMMUNITY SERVICES DISTRICT  
 WATER IMPROVEMENT PLAN FOR  
 PARCEL MAP NO. 37528  
 LINE "E" PLAN & PROFILE  
 STA. 10+00.00 TO STA. 18+31.92

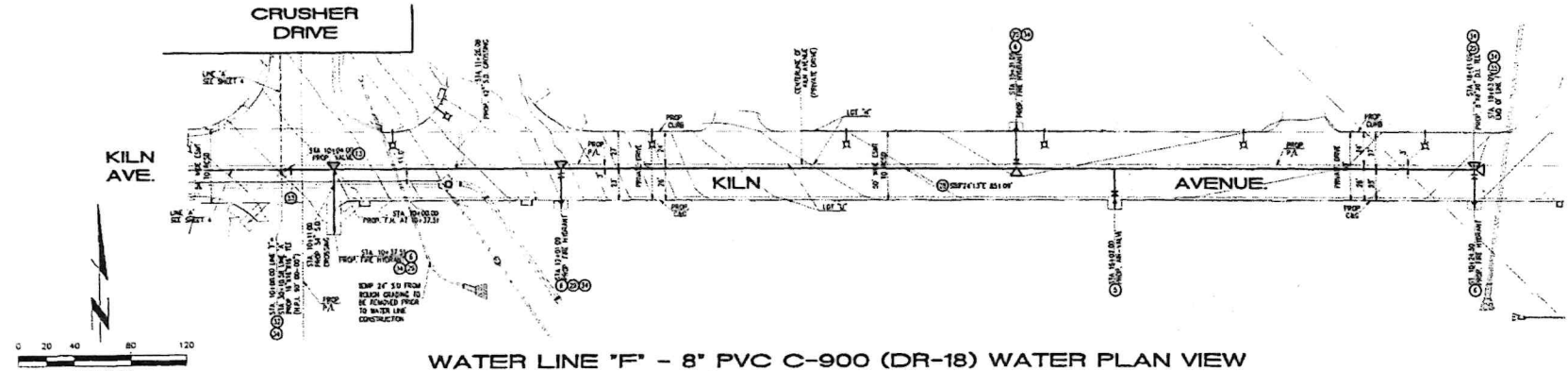
SCALE: 1" = 40'  
 FIELD BOOK: \_\_\_\_\_  
 DESIGN: M.R.  
 DRAWN: D.T.  
 CHECKED: R.S.

SHEET 12 OF 18 SHEETS  
 R.C.S.D. PLAN 1

Lin 10/10/17/20  
 03/30/2022 10:07:40 AM



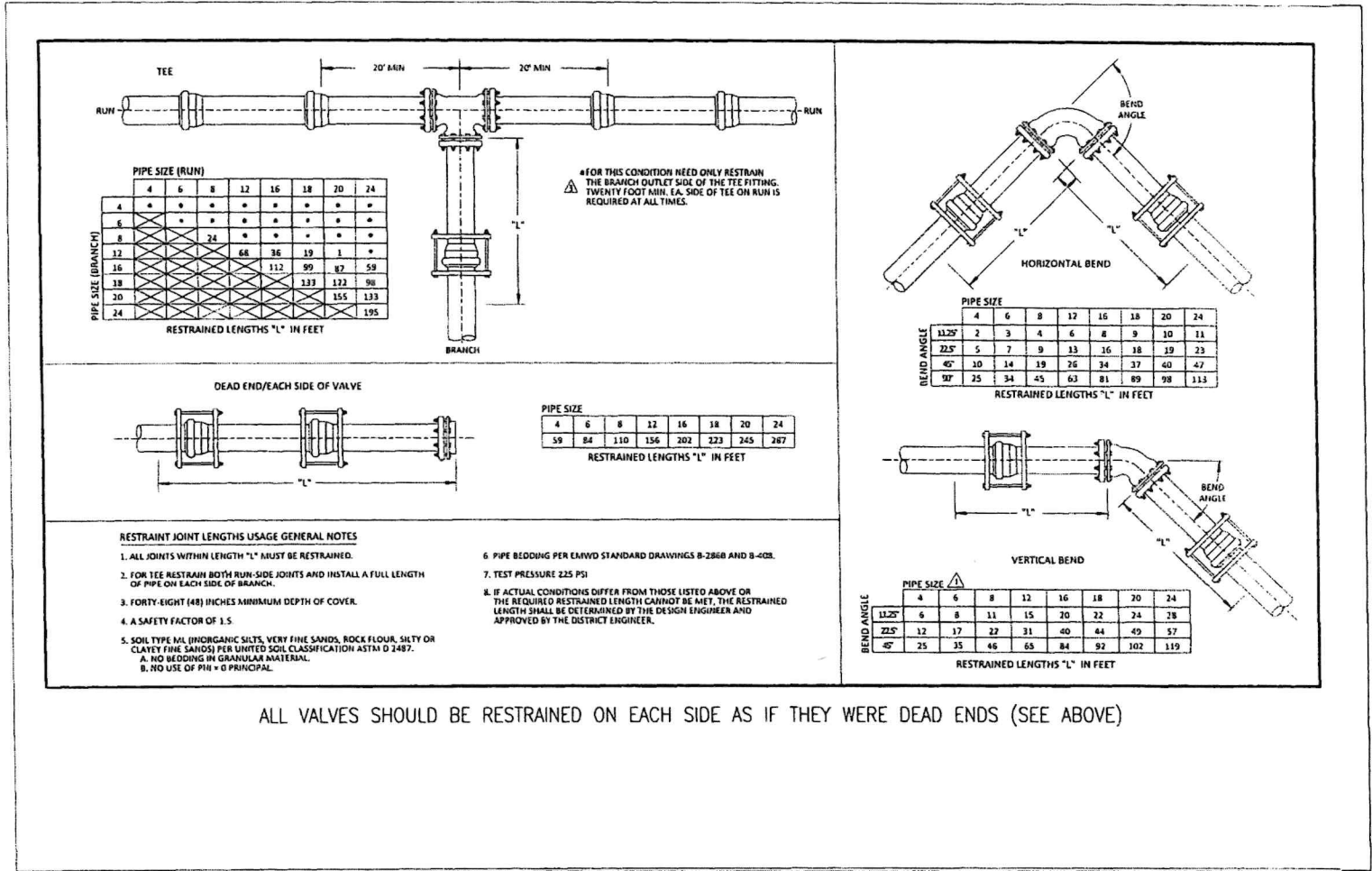
**FIRE HYDRANT PROFILE AT STA. 10+37.51**



- WATER CONSTRUCTION NOTES:**  
NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY LOCATIONS AND LOCATIONS OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
1. INSTALL 18" PVC C-900 (DR-18) WATER MAIN PER AISC STANDARDS WITH SLOTTED BLOCK RESTRAINT PER AISC STD. DMI C40 TRENCH AND BACKFILL PER AISC STD. DMI C40.
  2. INSTALL 2" AIR VACUUM ASSEMBLY PER AISC STD. DMI W1070.
  3. INSTALL 6" COMMERCIAL FIRE HYDRANT PER AISC STD. DMI W1060.
  4. INSTALL 18" BUTTERFLY VALVE PER AISC STD. DMI W1030.
  5. INSTALL 8" PVC C-900 (DR-18) WATER MAIN PER AISC STANDARDS WITH SLOTTED BLOCK RESTRAINT PER AISC STD. DMI C40 TRENCH AND BACKFILL PER AISC STD. DMI C40.
  6. INSTALL 8"x8"x8" SOLIDS 350 DUCTILE IRON TEE.
  7. INSTALL 18"x18"x18" SOLIDS 350 DUCTILE IRON TEE.
  8. INSTALL 18"x18"x18" SOLIDS 350 DUCTILE IRON TEE.
  9. INSTALL THROTTLE BLOCK RESTRAINT PER AISC STD. DMI C40.
  10. INSTALL 8" O.D. BEND FLANGE.
  11. PROVIDE JOINT RESTRAINT PER AISC STD. DMI C40.

	<p>VERIFY THAT THE DESIGN OF THE WATER SYSTEM FOR THIS PROJECT IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLANS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, DESIGN AND CONSTRUCTION SPECIFICATIONS WILL BE SUBJECT TO REVIEW UNDER GENERAL CONTRACTOR'S SUPERVISION AND THAT THE CONTRACTOR DOES NOT GUARANTEE THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ANY SPECIFIC QUANTITY, PLACE, OR PRESSURE FOR THE PROPOSED DEVELOPMENT.</p> <p>UNRUBIDOUX COMMUNITY SERVICES DISTRICT 500 Engineering, City Line Road Lafayette, Louisiana 70503 Tel: 225-281-1111 Fax: 225-281-1112</p>	<p>APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT DIRECTOR OF ENGINEERING DATE: 04/28/2017</p>	<p>REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA No. 38153 (6-12-12)</p>	<p><b>Thienes Engineering, Inc.</b> CIVIL ENGINEERING - LAND SURVEYING 11410 FORESTCREST BOULEVARD LA BREA, CALIFORNIA 90638 PH: 310-511-1111 FAX: 310-511-1112</p> <p>APPROVED BY: <i>[Signature]</i> REGISTERED ENGINEER No. 25155 DATE: 3/17/17</p>	<p>SCALE: 1" = 40' FIELD BOOK DESIGN: M.R. DRAWN: D.T. CHECKED: A.S.</p>	<p><b>RUBIDOUX COMMUNITY SERVICES DISTRICT</b> WATER IMPROVEMENT PLAN FOR PARCEL MAP NO. 37528 <b>LINE "F" PLAN &amp; PROFILE</b> STA. 10+00.00 TO STA. 18+85.99</p>	<p>SHEET <b>13</b> OF 18 SHEETS R.C.S.D. PLAN N.</p>
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10/18/2016 9:12 AM  
C:\100-38153\DWG\100178-13.dwg



ALL VALVES SHOULD BE RESTRAINED ON EACH SIDE AS IF THEY WERE DEAD ENDS (SEE ABOVE)



48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P.M. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER STORAGE, TRANSMISSION AND DISTRIBUTION SYSTEM HAS BEEN DESIGNED TO SUPPLY WATER SERVICE TO SAID PARCELS AND THAT THE DESIGNATION DOES NOT GUARANTEE THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ANY SPECIFIC QUANTITIES, FLOWS, OR PRESSURES.

DATE: 11/15/22  
DIRECTOR OF ENGINEERING: R. S. [Signature]

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT  
DATE: 11/15/22  
DIRECTOR OF ENGINEERING: R. S. [Signature]

REVISED BY: [Blank]  
DATE: [Blank]  
BY: [Blank]



**Thienes Engineering, Inc.**  
CIVIL ENGINEERING & LAND SURVEYING  
14348 FORESTONE BOULEVARD  
LA BREA, CALIFORNIA 90009  
PH: (310) 431-0111 FAX: (310) 431-0112

APPROVED BY: [Signature]  
REGISTERED ENGINEER No. 51132 DATE: 11/15/22

SCALE: 1" = 40'  
FIELD BOOK: [Blank]  
DESIGN: M.R.  
DRAWN: D.T.  
CHECKED: R.S.

RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
EMWD STD. B-663  
STANDARDS FOR RESTRAINT CONNECTIONS

SHEET  
**14**  
OF 18 SHEETS  
R.E.S.D. PLAN





Recording Requested by:

RUBIDOUX COMMUNITY SERVICES  
DISTRICT

When recorded, please return this deed to:

RUBIDOUX COMMUNITY SERVICES  
DISTRICT  
P.O. BOX 3098  
RIVERSIDE, CA 92519

---

For recorder's use only

Exempt from recording fee pursuant to Government Code Section 6103

**RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER AND/OR SEWER SYSTEM GRANT DEED**

FOR VALUABLE CONSIDERATION paid and received, AGUA MANSA COMMERCE PHASE III, LLC, a Delaware limited liability company (the "Developer") hereby grant(s) to RUBIDOUX COMMUNITY SERVICES DISTRICT (the "District"), and the District hereby accepts, all right, title and interest in the water system improvements for the entire water distribution and/or sewer collection system facilities for the development referenced with records of the County of Riverside, State of California as "Agua Mansa Commerce Park" and agrees to indemnify the District for any and all claims, liens, causes of action or any type of liability arising from or in any way related to the construction of said facilities by the Developer.

Said water and/or sewer system improvements are shown in detail on the construction drawings (1) Parcel Map No. 37528, Filed April 27, 2022, in Book 254 of Parcel Maps, at Pages 7-25, inclusive, in the Office of the County Recorder of Riverside; Sewer Improvement Plan, Rubidoux Community Services District, Sheets 1-8; (2) Parcel Map No. 37528, Filed April 27, 2022, in Book 254 of Parcel Maps, at Pages 7-25, inclusive, in the Office of the County Recorder of Riverside; Water Improvement Plan Phase I, Rubidoux Community Services District, Sheets 1-5; and (3) Parcel Map No. 37528, Filed April 27, 2022, in Book 254 of Parcel Maps, at Pages 7-25, inclusive, in the Office of the County Recorder of Riverside; Water Improvement Plan Phase II, Rubidoux Community Services District, Sheets 1-16 for said development. This Grant Deed is effective upon the Developer providing the Unconditional Lien Waiver and Release and upon filing of the Notice of Completion by the District for the aforementioned water and/or sewer system improvements.

GRANTORS for his heirs, executors and administrators, covenants and agrees to warrant and defend this sale of property, goods and chattels, against all and every persons claiming the same.

Executed on March 20, 2023.

**DEVELOPER:**

**AGUA MANSA COMMERCE PHASE III, LLC,**  
a Delaware limited liability company

By: Agua Mansa Commerce Holdings, LLC,  
a Delaware limited liability company,  
its sole member

By: PR II Agua Mansa Commerce, LLC,  
a Delaware limited liability company,  
its Managing Member

By: PRISA II LHC, LLC,  
a Delaware limited liability company,  
its sole member

By: *[Signature]*  
Name: Pedro Sanchez  
Its: Vice President

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF California )  
 ) ss.  
COUNTY OF San Francisco )

On March 20, 2023, before me, Cynthia Katigbak, a Notary Public, personally appeared Pedro Sanchez who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

*Cynthia Katigbak*  
Cynthia Katigbak, Notary Public





**CERTIFICATE OF ACCEPTANCE OF AND CONSENT TO  
GRANT DEED AND BILL OF SALE**

THIS IS TO CERTIFY that the attached Grant Deed and Bill of Sale for all sewer improvements which AQUA MANSA COMMERCE PHASE III, LLC, a Delaware limited liability company (“Grantor”) has constructed within the public street commonly known as Avalon Street between Alta Street and Mission Boulevard, is hereby accepted by the RUBIDOUX COMMUNITY SERVICES DISTRICT (“Grantee”) on the date set forth below. Grantee consents to the recordation thereof by its duly authorized officer. Grantee acknowledges and agrees that Grantee shall be responsible for ownership, operation and maintenance of such utility assets.

Date: \_\_\_\_\_, 2023

(SEAL)

RUBIDOUX COMMUNITY SERVICES DISTRICT

By: \_\_\_\_\_

Name: Brian Laddusaw

Its: General Manager

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.
--

State of California )  
County of Riverside )

On \_\_\_\_\_, before me, \_\_\_\_\_, a Notary Public, personally appeared \_\_\_\_\_, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

**EXHIBIT "A"**

**DEPICTION OF RCSD FACILITIES INCLUDED IN THIS CONVEYANCE**

*[to be attached]*

2022-01979e  
157  
08/1/2021

IN THE CITY OF JURUPA VALLEY, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

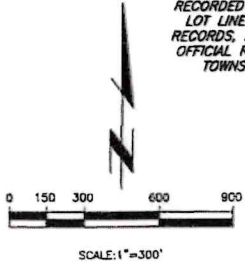
SHEET 9 OF 19 SHEETS

# PARCEL MAP NO. 37528

BEING A SUBDIVISION OF LOTS 8, 9 AND 14 AND PORTIONS OF LOTS 3, 15, AND 16, ALL LOTS OF MAP OF RIVINO HEIGHTS BLOCK 1, AS PER MAP RECORDED IN BOOK 5, PAGES 145 OF MAPS, TOGETHER WITH PORTIONS OF RIVINO BOULEVARD (VACATED), ALSO TOGETHER WITH LOTS 1 THROUGH 18, INCLUSIVE, OF RIVINO GARDENS, AS PER MAP RECORDED IN BOOK 21, PAGE 29 OF MAPS, ALSO TOGETHER WITH PARCEL "B" OF LOT LINE ADJUSTMENT NO. 5218, RECORDED MAY 29, 2008 AS INSTRUMENT NO. 2008-0291639 OF OFFICIAL RECORDS, PARCELS "A", "B", AND "C" OF LOT LINE ADJUSTMENT NO. LLA 1718, RECORDED JUNE 30, 2021 AS INSTRUMENT NO. 2021-0394779 OF OFFICIAL RECORDS, AND PARCEL 13 OF GRANT DEED, RECORDED SEPTEMBER 10, 2020 AS INSTRUMENT NO. 2020-0427543 OF OFFICIAL RECORDS, ALL IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, LYING WITH SECTIONS 2 AND 3, TOWNSHIP 2 SOUTH, RANGE 5 WEST, SAN BERNARDINO MERIDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF.

THIENES ENGINEERING, INC.

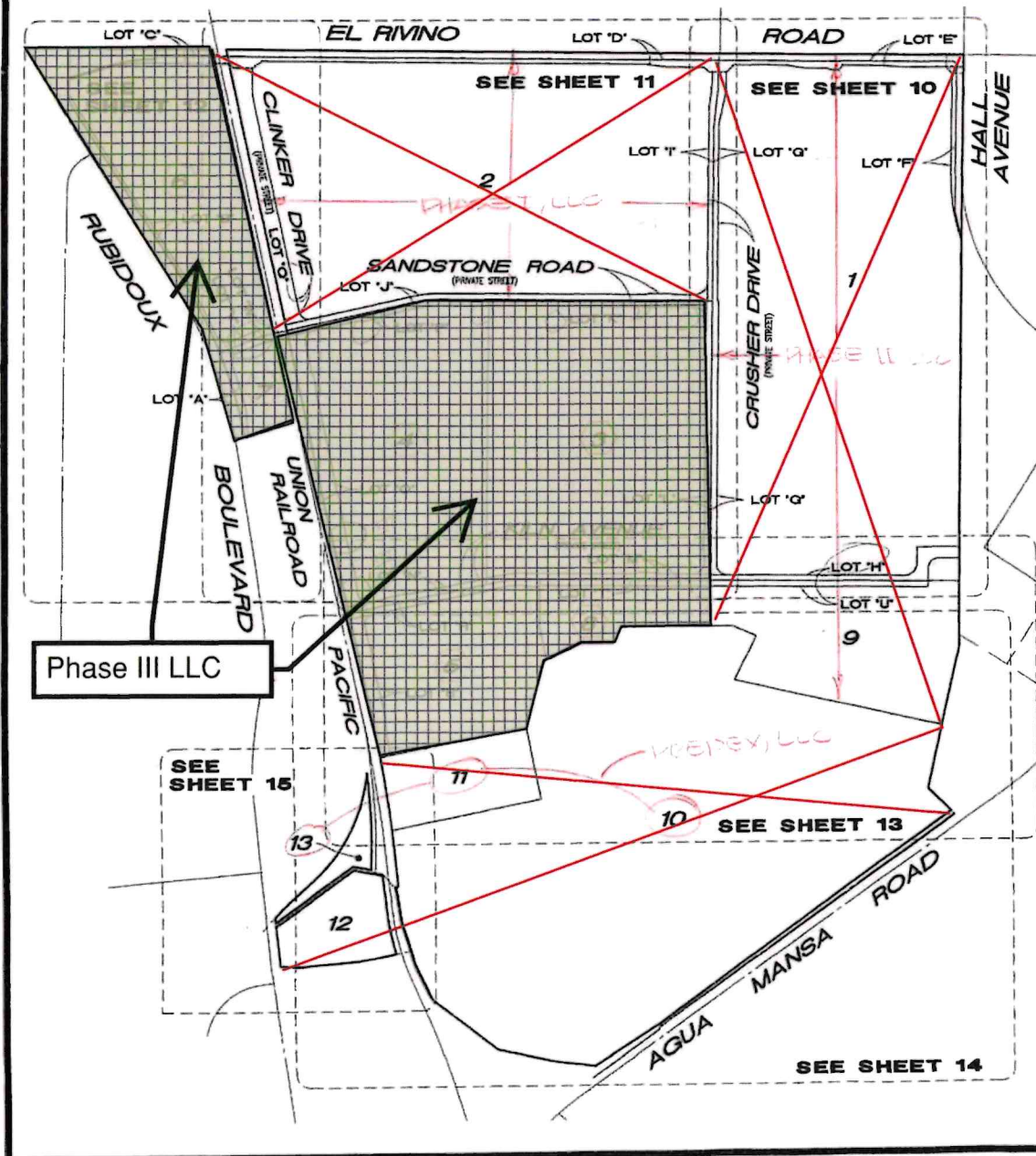
OCTOBER, 2020



### SHEET INDEX:

SEE SHEET 2 FOR VICINITY MAP AND BASIS OF BEARINGS  
 SEE SHEET 3 FOR MONUMENT & ESTABLISHMENT NOTES  
 SEE SHEET 4 FOR BOUNDARY INDEX  
 SEE SHEETS 5 THROUGH 8 FOR ADDITIONAL BOUNDARY DETAILS  
 SEE SHEET 10 FOR PARCEL 1 AND LOTS "E" & "F" DETAILS  
 SEE SHEET 11 FOR PARCELS 2, 3 & 4 AND LOTS "D" DETAILS  
 SEE SHEET 12 FOR PARCELS 6 & 7 AND LOTS "A" & "B" DETAILS  
 SEE SHEET 13 FOR PARCELS 5, 8, 9, & 11 DETAILS  
 SEE SHEET 14 FOR PARCEL 10 DETAILS  
 SEE SHEET 15 FOR PARCELS 12 & 13 DETAILS  
 SEE SHEETS 16 THROUGH 19 FOR DETAILS OF EXISTING EASEMENTS

### INDEX SHEET



Ownership Per  
PTR  
1527-1010

**EXHIBIT "B"**

Description  
of Location of  
RCSD Facilities

DESCRIPTION OF FACILITIES

DETAILED DESCRIPTION.

**GENERAL NOTES :**

1. ALL WORK SHALL CONFORM TO THE DESIGN AND CONSTRUCTION STANDARDS OF RCSD FOR WATER AND SANITARY SEWER FACILITIES.
2. SEWER SYSTEM SHALL BE CONSTRUCTED BY THE DEVELOPER FOR SEPARATION OF THE RUBIDOUX COMMUNITY SERVICES DISTRICTS. TESTING AND INSPECTION SHALL COMPLY WITH RUBIDOUX COMMUNITY SERVICES DISTRICT STANDARDS. THE INSTALLATION SHALL MEET OR EXCEED THE REQUIREMENTS OF ALL LOCAL AGENCIES. THE JUNCTION, FAILURE TO MEET THESE REQUIREMENTS WILL BE CAUSE FOR REJECTION. SEWER PIPE SHALL BE EXTRA STRENGTH UNFROSTED CLAY PIPE (UCP) UNLESS OTHERWISE APPROVED BY THE DISTRICT ENGINEER.
3. CONSTRUCTION OF THE SEWER SYSTEM SHALL NOT COMMENCE UNTIL A FINAL MAP HAS BEEN RECEIVED BY RIVERSIDE COUNTY AND THE DEVELOPER'S ENGINEER HAS CERTIFIED THAT ALL STREETS ARE CONSTRUCTED TO FINAL GRADE FOR CURB AND GUTTER.
4. CONTRACTOR SHALL PROVIDE TRENCH PROTECTION AND CONDUCE ALL CONSTRUCTION IN ACCORDANCE WITH OSHA REQUIREMENTS AND SHALL DETERMINE DEPTH AND LOCATION OF EXISTING UNDERGROUND FACILITIES PRIOR TO TRENCHING OPEN TRENCH AT ANY ONE TIME. THE TRENCH SHALL BE 200 FEET ALONG RIGHT OF WAY AND SHALL BE BACKFILLED AND COMPACTED AT THE CONCLUSION OF EACH DAY.
5. PIPE SHALL BE HANDED AS TO PROTECT THE PIPE AT ALL TIMES AND SHALL BE CAREFULLY RELOADED TO PREVENT CRACKING, SCUFFING AND TO PREVENT DIRECTION. UNLESS OTHERWISE SPECIFIED, PIPE SHALL BE PROTECTED AGAINST FLOATION AT ALL TIMES. OPEN ENDS OF INSTALLED SEWER SHALL BE SEALED AT ALL TIMES WHEN CONSTRUCTION IS NOT IN PROGRESS.
6. PIPE JOINTS SHALL NOT BE DEFLECTED AT ANY ANGLE GREATER THAN THE MAXIMUM ANGLE RECOMMENDED BY THE PIPE MANUFACTURER.
7. DEPTH AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHALL BE DETERMINED BY THE CONTRACTOR BY PENETRATING PRIOR TO TRENCHING. THE CONTRACTOR SHALL ALSO CONTACT UNDERGROUND SERVICE ALERT (800) 721-7000 PRIOR TO ANY EXCAVATION.
8. WHERE THE SEWER MAIN CROSSES STREAM DRAINS, OTHER PIPELINES, UTILITIES AND EXISTING STRUCTURES OR SIMILAR INSTALLATIONS, A MINIMUM OF 12 INCHES OF CLEARANCE SHALL BE PROVIDED BETWEEN THE MAIN AND OTHER INSTALLATIONS. SEPARATION OF THE WATER AND SEWER LINES MUST COMPLY WITH THE RUBIDOUX COUNTY HEALTH DEPARTMENT STANDARDS AS SHOWN ON RIVERSIDE COUNTY STANDARD PLAN SET AND RISK STANDARD DRAINAGE STUDY AND SHALL EXCEED THE REQUIREMENTS OF THE STATE OF CALIFORNIA, DEPARTMENT OF HEALTH.
9. CONNECTIONS TO EXISTING RCSD SEWER PIPELINES SHALL NOT BE ACCOMPLISHED UNLESS THE DISTRICT INSPECTOR IS PRESENT. THE RCSD WILL ELLECT TO MAKE THE CONNECTION AT THE DEVELOPER'S EXPENSE. CONTRACTOR TO OBTAIN NECESSARY PERMITS AND UTILITIES LOCATIONS OF EXISTING SEWER LINES PRIOR TO CONSTRUCTION. NO CONNECTIONS TO EXISTING RCSD SEWERLINES WILL BE ALLOWED ON THIS PROJECT.
10. BODIFRA SHALL BE CONDUCTED TO THE GREATER OF SOLE RELATIVE DENSITY, EQUIPMENT TO THE REQUIREMENTS CHECKED, OR TO THE REQUIREMENTS OF THE AGENCY HAVING JURISDICTION. WHICHEVER IS MORE STRINGENT.
11. SEWER LATERALS SHALL BE 4" UNLESS OTHERWISE INDICATED. EXISTING LOCATIONS OF TRENCH AND LATERALS ARE TO BE ESTABLISHED BY THE FIELD TIEER TO INSTALLATION. AN "X" SHALL BE MARKED ON THE CURB FACE AT EACH SERVICE LATERAL LOCATION AND A STEEL ROD OR SMALL SHANK BE INSTALLED AT THE END OF EACH SERVICE LATERAL TO ASSIST IN LOCATING AT A LATER DATE.
12. UNLESS SHOWN BY THE RECORD, 3" WOOD METALLIC LOGGERS MUST BE PLACED WITH EACH SEWER AND SERVICE LATERAL TO ASSIST IN FUTURE LOCATION. TAPE SHALL BE PLACED AT LEAST 6" ABOVE THE PIPE BUT NOT DEEPER THAN 4" FROM THE PROPOSED FINISHED GRADE.
13. ALL SEWERS SHALL BE WELDED, AIR TESTED AND WELD INSPECTED PRIOR TO ACCEPTANCE BY THE DISTRICT.
14. SURFACE IMPROVEMENTS DEMAND AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE RECONSTRUCTED BY THE CONTRACTOR TO THE REQUIREMENTS OF THE AGENCY HAVING JURISDICTION.
15. THE DEVELOPER SHALL PROVIDE ONE SET OF PRINTS SHOWING ALL "AS-BUILT" CONDITIONS INCLUDING THE LAYOUTS OF SEWER LINES, CONNECTIONS AND TIE BACKS LOCATIONS AS A CONDITION OF FINAL APPROVAL.
16. ANY REVISION TO THESE DRAWINGS MUST BE APPROVED IN WRITING BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT.
17. THE DEVELOPER SHALL BE RESPONSIBLE FOR THE INSTALLATION OF BACKFILL VALVES, WHICH ARE REQUIRED PER UNIFORM PLUMBING CODE AND PER RISK STANDARDS.
18. THE CONTRACTOR IS ADVISED THAT THE WORK ON THIS PROJECT MAY INVOLVE WORKING IN A CONTROLLED AIR SPACE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH CONTROLLED AIR SPACE, ARTICLE 108, TITLE 8, CALIFORNIA ADMINISTRATIVE CODE.
19. CONTRACTOR SHALL WARRANTY ALL WORK FOR 12 MONTHS AFTER THE DATE OF FINAL INSPECTION.

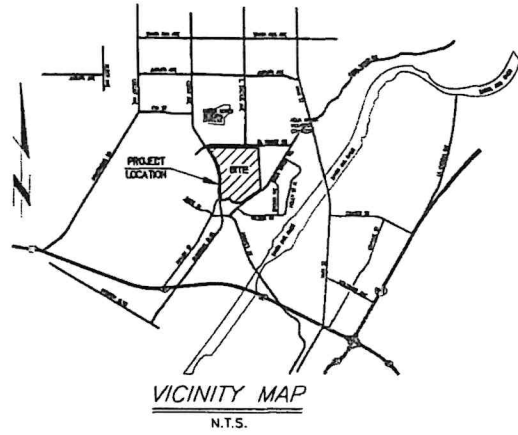
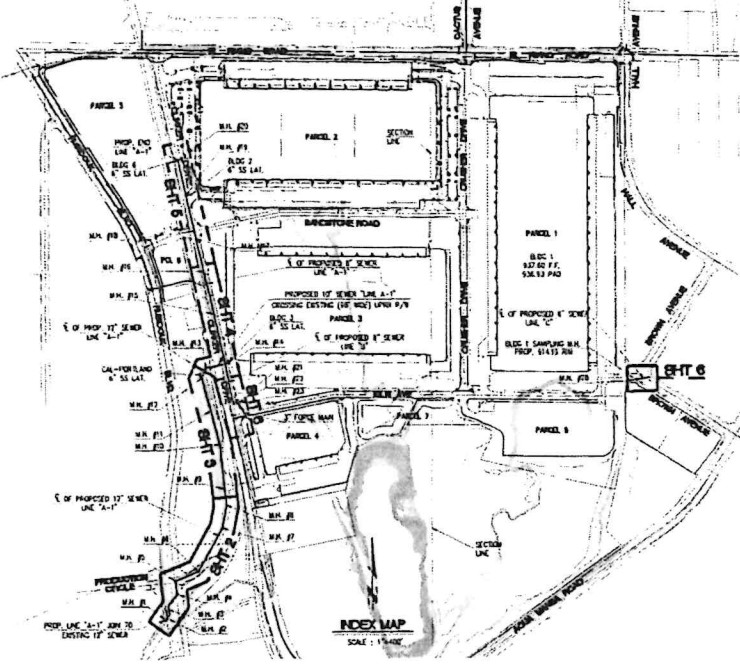
**AGUA MANSA COMMERCIE PREDEY LLC**  
 4343 VON KARMAN, SUITE 200  
 NEWPORT BEACH, CA 92660  
 PH (949) 431-6400  
 FAX (949) 330-5771

**OWNER**  
 AGUA MANSA COMMERCIE PREDEY LLC  
 4343 VON KARMAN, SUITE 200  
 NEWPORT BEACH, CA 92660

**SOILS ENGINEER**  
 LUNGAR  
 30 OCEANVIEW PARK, SUITE 130  
 RINDLE, CA 92614

**CIVIL ENGINEER**  
 THIENES ENGINEERING  
 14345 FREDERICK BOULEVARD  
 LA MESA, CA 92040

**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**  
 8", 10" AND 12" PUBLIC SEWER MAIN - SS A-1  
 RUBIDOUX COMMUNITY SERVICES DISTRICT



**ABBREVIATIONS**

R/W	PROPERTY LINE
C	RIGHT OF WAY CENTERLINE
F.C.	TOP OF CURB
F.L.	FLOOR LINE
F.S.	FINISH SURFACE
F.F.	FRESH FLOOR
H.P.	HIGH POINT
R.D.	RESURFACED CONC. PIPE
S	SLOPE
D.V.	DOWN
U.V.	UP
S.D.	STORM DRAIN
S.L.T.	SHUTTER LOCK
G.B.	GRADE BREAK
M.P.	MANHOLE
C.F.	CURB FACE
B.W.	BACK OF WALK
A.B.	ACCURATE BASE
P.V.C.	POLYVINYLCHLORIDE
C.I.P.	CAST IRON PIPE
F.H.	FIRE HYDRANT
M.P.	MOWER POLE
C.B.	CATCH BASIN
H.	HATE OF GRADE
B.C.R.	BEGINNING OF CURVE
E.O.C.	END OF CURVE
L.P.	LOW POINT
T.O.P.	TOP OF PIPE
B.O.P.	BOTTOM OF PIPE
F.	FOOTING
S.F.	SQUARE FEET
C.M.B.	CRUSHED W.P.C. BASE
E.D.W.	EXISTING ELEVATION
T.G.	TOP OF GRADE
M.G.	NATURAL GRADE
D.P.	DIAPHRAGM POINT OF REFLECTION
M.P.	PROPOSED
E.C.S.T.	EXISTING
L.C.S.T.	LARGE
M.C.S.T.	MEDIUM
S.C.S.T.	SMALL
P.H.	PURE HYDRANT
D.W.	DOMESTIC WATER SERVICE
B.D.	BUILDING
M.H.	MANHOLE
T.B.	TOP OF BURN
W.S.E.	WATER SERVICE ELEVATION

**ENCASUREMENT REQUIREMENTS IN UNION PACIFIC RIGHT OF WAY**

1. ALL UNDERGROUND CROSSINGS, SINGLE DUCTS OR PIPES 6" OR GREATER IN DIAMETER SHALL BE ENCASED. INSTALLATION OF MULTIPLE DUCTS OR PIPES, REGARDLESS OF DIAMETER, SHALL REQUIRE ENCASEMENT.
2. THE MINIMUM WALL THICKNESS REQUIRED FOR STEEL ENCASEMENTS IS BASED ON LENGTH AND DIAMETERS OF PIPES.
3. ENCASEMENT DIES SHALL BE PLACED WITH UN-CRUSHED BRICKS OR OTHER SUITABLE MATERIAL APPROVED BY THE UPRT REPRESENTATIVE.
4. THE UNION PACIFIC REPRESENTATIVE MAY REQUIRE THE PERMITTEE TO MEASURE CIRCLES, FILLING ANY VOIDS GENERATED IN THE COURSE OF THE PERMITTED WORK. DRAWINGS SHALL BE AT THE ENDPOINTS OF THE PERMITTED WORK. HOLE MARKS SHALL BE PLACED BEHIND OF THE PIPE. GENERALLY ON DIAMETERS OF 36" OR GREATER, SHALL BE ON 8" CENTERLINE, LONGITUDINALLY AND OFFSET 21" DEPARTS FROM CENTERLINE, AND STAGGERED TO THE LEFT AND RIGHT OF THE TOP LONGITUDINAL AXIS OF THE PIPE. SINGLE PERMITTEE SHALL NOT EXCEED 1" SPIG FOR A QUANTUM SUFFICIENT TO FILL ALL VOIDS.
5. THERE IS A STAGING REQUIREMENT WHEN PLACEMENT OF MULTIPLE ENCASEMENTS IS NECESSARY. THE DISTANCE BETWEEN MULTIPLE ENCASEMENTS SHALL BE THE GREATER OF EITHER 2' OR THREE TIMES THE DIAMETER OF THE LARGEST PIPE BEING INSTALLED.
6. HOLE CUTTERS WHICH EXCEED SHALL ONLY ADD A MAXIMUM OF 1" IN DIAMETER TO THE OUTSIDE DIAMETER OF THE ENCASEMENT PIPE. VOIDS IN EXCESS OF THE STAGING REQUIREMENTS SHALL BE DROPPED.
7. A WELD NEEDED TO THE LOGGING EDGE OF THE ENCASEMENT PIPE SHOULD BE PLACED SQUARE TO THE ALIGNMENT AND NOT ON THE BOTTOM EDGE OF PIPE. A PLATED LEAD SECTION ON BUMPERS OVER 100' SHALL NOT BE USED.
8. THE LENGTH OF THE ALGER STRAND SHALL BE EQUAL TO THAT OF THE SECTION OF ENCASEMENT PIPE.
9. ENCASEMENTS PLACED WITHIN CONTROLLED ACCESS RIGHT OF WAY SHALL EXTEND 5' BEYOND THE EDGE OF THE PAVED SHOULDER. BACK OF CURB, OR TO THE HIGHWAY CENTER OF WAY LINE.
10. ENCASEMENT PLACED ACROSS CONTROLLED ACCESS RIGHT OF WAY SHALL EXTEND TO THE HIGHWAY CENTER OF WAY LINES.

**ENGINEER'S NOTICE TO CONTRACTORS**

THE DISTANCE AND LOCATION OF UNDERGROUND UTILITY PLANS OR STRUCTURES SHOWN ON THESE PLANS HAVE BEEN OBTAINED BY A REGISTERED PROFESSIONAL ENGINEER. THE CONTRACTOR SHALL TAKE DUE PRECAUTIONS OF THE RECORDED UTILITIES AS WELL AS ANY NOT SHOWN AND SHALL CORRECT ALL ALIGNMENTS AND GRADES BY FIELD INVESTIGATIONS.

**BASES OF BEARING**

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM (PCS83), ZONE 6, NORTH AMERICAN DATUM 1983 (NAD83) BASED LOCALLY ON CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS) "MCP" AND "MCO" AS SHOWN HEREON. BASIS OF BEARINGS: "MCP" BEARINGS: "MCO" BEARINGS: ALL BEARINGS SHOWN HEREON ARE GRID BEARINGS AND REPRESENTED HEREIN BY THE CENTERLINE OF EL RINDLE AVENUE BEARING NORTH 89°19'33" WEST.

**BENCH MARK**

ENGINEERING BENCHMARK NO. "M1-3-84" RESET 1970 STANDARD BRASS BOLT, STAMPED "BY. CO. SUR. M.I.-3-84" RESET 1970" AT THE "Y" INTERSECTION OF MARKET STREET AND AGUA MANSA ROAD 170 FEET NORTH FROM THE INTERSECTION ALONG THE CENTERLINE OF AGUA MANSA ROAD 17 FEET WEST OF THE CENTERLINE OF AGUA MANSA ROAD 17 FEET EAST OF A 6 FOOT CHAIN LINK FENCE, SUBSTATION E.L. TOWER CONSTRUCTION COMPANY 7 FEET EAST OF A 24 INCH DRAIN. SET ON TOP OF A 12" X 12" X 1" CONCRETE HEAD BALL. ELEVATION = 864.697 (NOV 29 / 1971 ADA).

CITY OF JERUSA HILLY ENGINEERING DEPARTMENT  
 APPROVED BY  
**Octavio Duran**  
 Digitally signed by Octavio Duran  
 Date: 2022.05.18 13:04:00 -07'00'

PAUL TODD, CITY ENGINEER  
 RCE 42781

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION  
**Ted Beckwith**  
 Digitally signed by Ted Beckwith  
 Date: 2022.05.18 13:04:00 -07'00'



**Thienes Engineering, Inc.**  
 CIVIL ENGINEERING - LAND SURVEYING  
 14345 FREDERICK BOULEVARD  
 LA MESA, CALIFORNIA 92040  
 PH (949) 431-6400 FAX (949) 330-5771  
 WWW.THIENES.COM

UNLESS THE SUPERVISION OF  
**Thienes**  
 REGARDING PERMITS RCE NO. 56135

**SEWER CONSTRUCTION NOTES:**

- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY INVERT AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
1. CONSTRUCT 12" VCP SEWER LINE, TRENCH BACKFILL AND PAVEMENT PER RCSD STD. DMC. S2010.
  2. CONSTRUCT 10" SOR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT PER RCSD STD. DMC. C20 (IF PAVEMENT EXIST).
  3. CONSTRUCT 8" SOR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT PER RCSD STD. DMC. C20 (IF PAVEMENT EXIST).
  4. CONSTRUCT 6" SOR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT PER RCSD STD. DMC. C20 (IF PAVEMENT EXIST).
  5. CONSTRUCT 4" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RCSD STD. DMC. S2040 AND S2060.
  6. CONSTRUCT SEWER LATERAL PER RCSD STD. DMC. S2080.
  7. CONSTRUCT 6" DIA. PRECAST CONCRETE "SANDPAC" MANHOLE WITH FRAME AND COVER PER RCSD STD. DMC. S2040 AND S2060.
  8. REDUCED ELEVATION MANHOLE STUB AND CONNECT PER DETAIL ON SHEET 2.
  9. GUY ROPE AND JACK PER UNION PACIFIC RAILROAD SPECIFICATIONS. INSTALL 10" PVC SPOUT LINE IN 18" DIAMETER (BASED HIGH THICK) STEEL PILE CAPSULE PER UNION PACIFIC RAILROAD SPECIFICATIONS (SEE DETAILS ON SHEET 1).
  10. NOTE NOT USED.
  11. CONSTRUCT 6" VCP SEWER LATERAL, TRENCH BACKFILL AND PAVEMENT PER RCSD STD. DMC. S2010.
  12. CONSTRUCT 12" SOR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT PER RCSD STD. DMC. C20 (IF PAVEMENT EXIST).
  13. INSTALL LATERAL SADDLE CONNECTION TO EXISTING SEWER MAIN PER RCSD STD. DMC. S2100.
  14. INSTALL WALKER POST FOR MANHOLE OUTSIDE OF PAVED AREAS.
  15. 3" SCH 80 PVC PRIVATE FORCE MAIN FROM (BUILT/EXIST) PRIVATE LEFT SECTION MUST OWNED OR MAINTAINED BY DISTRICT AND WILL BE REMOVED AND APPROVED BY THE CITY.
  16. 3" SCH 80 PVC 45' ELBOW FOR PRIVATE FORCE MAIN (NOT OWNED OR MAINTAINED BY DISTRICT AND WILL BE REMOVED AND APPROVED BY CITY).
  17. CAL-FORMBOARD EXIST. SEPTIC SYSTEM (TANKS, LEACH LINES AND COMPT) INCLUDING EXIST. PERFORATION INTERIORING WELLS SHALL BE REMOVED BY OTHERS UNDER RCSD SEWER LATERAL IS INSTALLED AS SEPPING. THE CAL-FORMBOARD FACILITIES.

**CITY:**

1. 440 LF
- 131 LF
- 1834 LF
- 110 LF
- 22 EA
- 2 EA
- 5 EA
- 1 EA
- 96 LF
- 4 EA
- 148 LF
- 4 EA

**SHEET INDEX OF DRAWINGS**

NO.	TITLE SHEET
1	TITLE SHEET
2	SEWER PLAN AND PROFILE - FROM STA 8+23.00 TO STA 18+50.00
3	SEWER PLAN AND PROFILE - FROM STA 18+50.00 TO STA 27+25.00
4	SEWER PLAN AND PROFILE - FROM STA 27+25.00 TO STA 38+00.00
5	SEWER PLAN AND PROFILE - FROM STA 38+00.00 TO STA 43+13.84
6	SEWER LINE IN SEWER PLAN AND PROFILE - FROM STA 1+00.00 TO STA 4+13.84
7	SEWER PLAN AND PROFILE - FROM STA 10+00.00 TO STA 10+48.00
8	3" FORCE MAIN FROM BLDG. 3 TO SEWER LINE FROM BLDG. 3 - FROM STA 10+48.00 TO STA 11+47.41
9	UPR. LOCAL AGREEMENT

**LEGEND**

- PROPOSED SEWERLINE
- EXISTING SEWERLINE
- MANHOLE PER RCSD STD. DMC. S2070
- MANHOLE PER RCSD STD. DMC. S2080
- SEWER LATERAL PER RCSD STD. DMC. S2090

**RUBIDOUX COMMUNITY SERVICE DISTRICT**  
**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**  
**TITLE SHEET**

SHEET  
**1**  
 OF 8 SHEETS  
 R.C.S.D. PLAN 1



AGUA MANSA COMMERCIE PREDEY LLC  
 4343 VON KARMAN, SUITE 200  
 NEWPORT BEACH, CA 92660  
 PH (949) 431-6400  
 FAX (949) 330-5771

APPROVED BY  
**Octavio Duran**  
 Digitally signed by Octavio Duran  
 Date: 2022.05.18 13:04:00 -07'00'

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION  
**Ted Beckwith**  
 Digitally signed by Ted Beckwith  
 Date: 2022.05.18 13:04:00 -07'00'

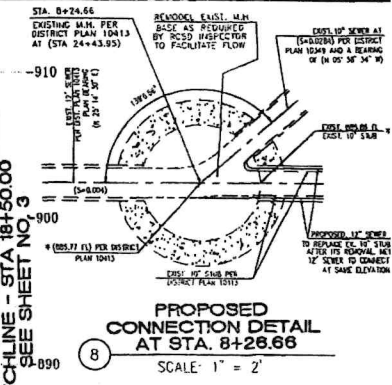
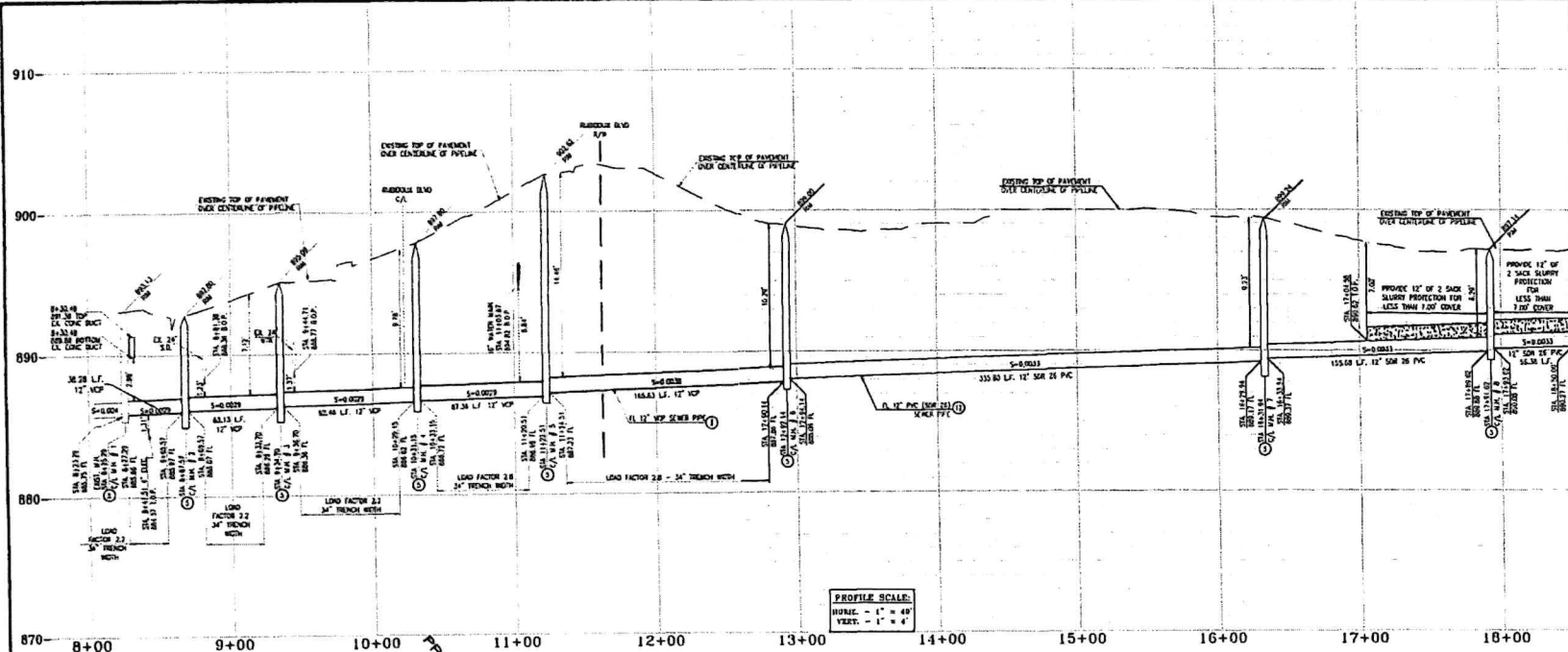
PAUL TODD, CITY ENGINEER  
 RCE 42781



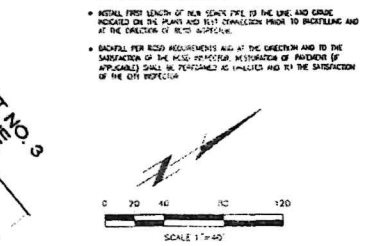
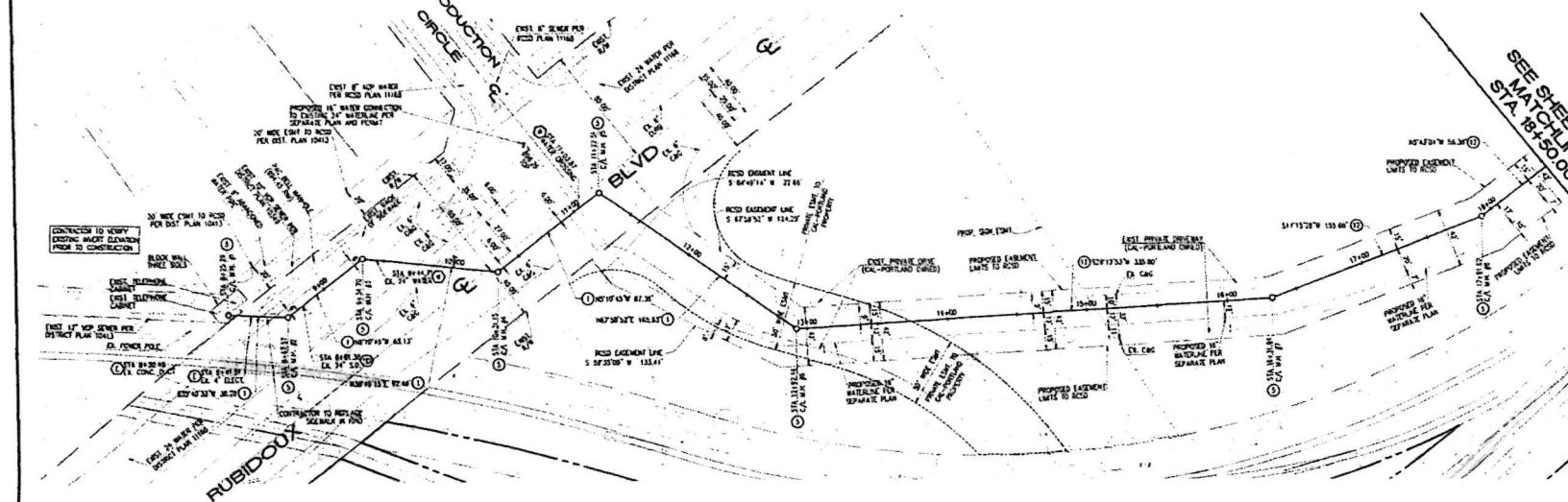
**Thienes Engineering, Inc.**  
 CIVIL ENGINEERING - LAND SURVEYING  
 14345 FREDERICK BOULEVARD  
 LA MESA, CALIFORNIA 92040  
 PH (949) 431-6400 FAX (949) 330-5771  
 WWW.THIENES.COM

UNLESS THE SUPERVISION OF  
**Thienes**  
 REGARDING PERMITS RCE NO. 56135

SCALE: 1" = 40'  
 DATE: 04/21/2022



- PROCEDURE FOR CONNECTING**
- CONTRACTOR SHALL PROVIDE PLAN TO EXPOSE EXISTING UPSTREAM FLOORS AND/OR CONDUCTOR FROM MAIN TO EXPOSE UPSTREAM CONDUCTOR. CONTRACTOR SHALL SUBMIT EXPOSED PLAN TO DISTRICT FOR REVIEW & REVIEW & REPAIR BEFORE CONNECTION WORK IS COMMENCED.
  - CONTRACTOR SHALL PREPARE A SAFETY CONTROL PLAN FOR CITY REVIEW AND APPROVAL AND OBTAIN AN ENCUMBRANCE PERMIT FROM THE CITY FOR WORKING IN THE PUBLIC RIGHT-OF-WAY.
  - WORKING IS ACCORDANCE WITH OSHA STANDARDS, OBTAIN A TRENCH SAFETY SYSTEM FOR DANGEROUS RECURRING TRENCH SAFETY.
  - CONTRACTOR SHALL OPEN EXISTING MANHOLE AND VERIFY EXISTING SEWER SIZE (PIPE SIZE AND ELEVATION) PRIOR TO PROCEEDING WITH ANY SEWER PIPE CONSTRUCTION. HOSE CONSTRUCTION SHALL PROCEED FROM DOWNSTREAM TO UPSTREAM. ANY DEVIATIONS TO PLAN SPECIFIED DURING THIS EXPANSION SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER OF RECORD.
  - THE EXISTING SEWER STUB SHALL BE EXPOSED BY CAREFUL EXCAVATION, PER PERMITS OBTAINED AND UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER. THE EXISTING SEWER SHALL BE EXPOSED TO A DEPTH OF 2 FEET ABOVE THE MANHOLE SHALL BE INSPECTED FOR DAMAGE.
  - CONTRACTOR SHALL REPLACE OR REPAIR EXISTING STUB TO PROVIDE 12\"/>



- SEWER CONSTRUCTION NOTES:**
- CONTRACTOR TO VERIFY EXISTING MANHOLE ELEVATION PRIOR TO CONSTRUCTION.
  - CONTRACTOR TO VERIFY EXISTING MANHOLE SIZE AND COVER PRIOR TO CONSTRUCTION.
  - CONTRACTOR TO VERIFY EXISTING MANHOLE SIZE AND COVER PRIOR TO CONSTRUCTION.
  - CONTRACTOR TO VERIFY EXISTING MANHOLE SIZE AND COVER PRIOR TO CONSTRUCTION.

**SAN DIEGO COUNTY**  
 Underwritten  
 Service District  
 Call: TOLL FREE  
 1-800  
 422-4133

APPROVED BY THE RUBIDOUX COMMUNITY SERVICE DISTRICT FOR CONSTRUCTION.  
**Ted Beckwith**  
 DATE: \_\_\_\_\_  
 DIRECTOR OF ENGINEERING, R.C.S.D.

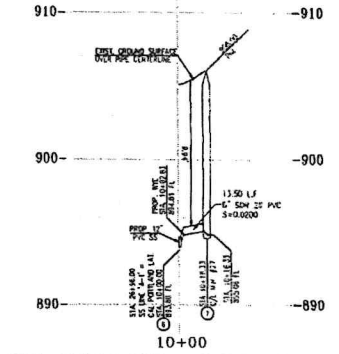
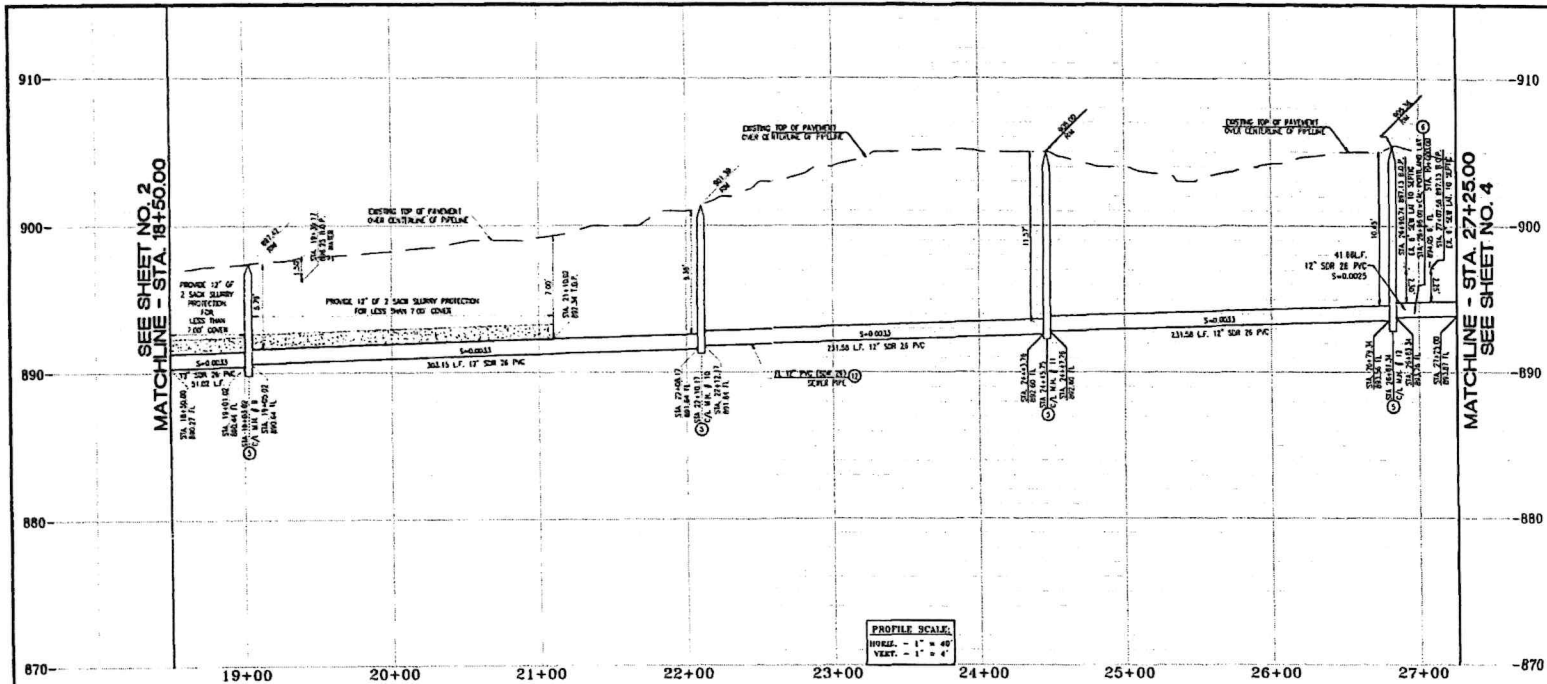
**REGISTERED PROFESSIONAL ENGINEER**  
 STATE OF CALIFORNIA  
 No. 12345  
 DATE: 04/21/2022

**Tohies Engineering, Inc.**  
 CIVIL ENGINEERING - LAND SURVEYING  
 14100 PINEHURST BOULEVARD  
 SAN DIEGO, CALIFORNIA 92128  
 (619) 441-1111  
 UNDER THE SUPERVISION OF  
**James Tohies**  
 REGISTERED STRUCTURAL ENGINEER NO. 26135

SCALE: 1" = 40'  
 SHEET NO. 2  
 OF 2 SHEETS  
 R.C.S.D. PLAN A

**RUBIDOUX COMMUNITY SERVICE DISTRICT**  
**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**  
 12" PUBLIC SEWER MAIN - 88 LINE A-1  
 STA. 8+28.29 TO STA. 18+50.00

DATE: 04/21/2022  
 SHEET NO. 2  
 OF 2 SHEETS  
 R.C.S.D. PLAN A



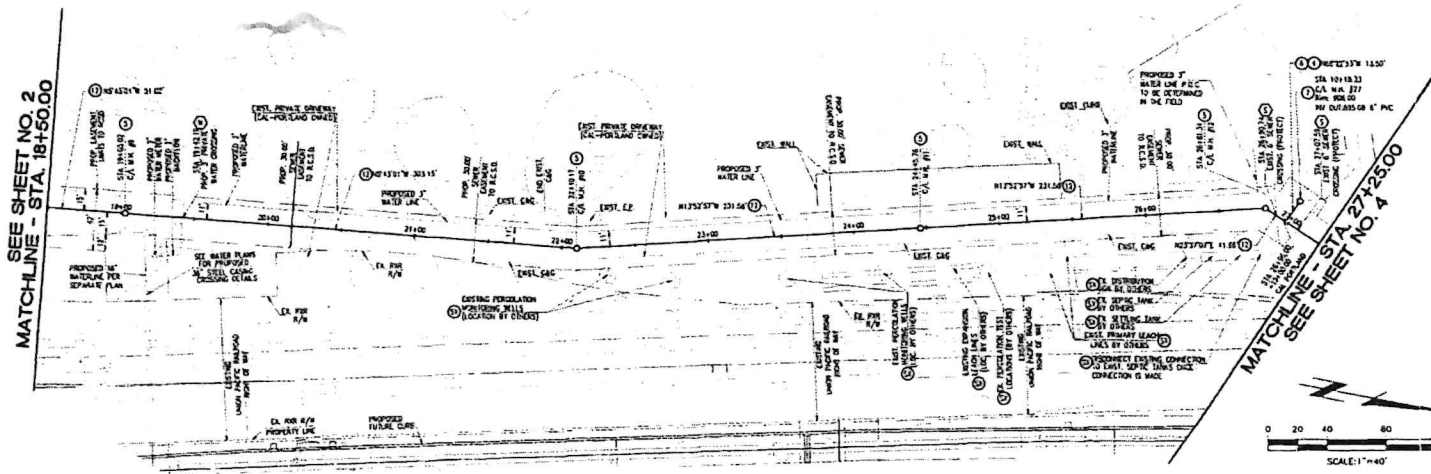
CAL PORTLAND - 6" SEWER LATERAL  
 STA. 10+00.00 CAL PORTLAND LAT.  
 - STA. 26+96.00 SS LINE A-1

**SEWER CONSTRUCTION NOTES:**

NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY INVERT AND LOCATIONS. OWNER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.

1. CONSTRUCT 6" 20' 26" PVC SEWER LINE. TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. CMC 1220 (IF PAVEMENT EXISTS).
2. CONSTRUCT 4" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RCSD STD. CMC 1209 AND 1210.
3. CONSTRUCT SEWER LATERAL PER RCSD STD. CMC 1200.
4. CONSTRUCT 4" DIA. PRECAST CONCRETE "SURFACE" MANHOLE WITH FRAME AND COVER PER RCSD STD. CMC 1206 AND 1206A.
5. CONSTRUCT 12" 20' 26" PVC SEWER LINE. TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. CMC 1220 (IF PAVEMENT EXISTS).
6. CAL-PORTLAND EXIST. SEPTIC SYSTEM (FRANK, LEAD LINES AND EQUIP.) INCLUDING EXIST. PERCOLATION HOLDING TANKS SHALL BE REMOVED BY OTHERS. NEW 6" SEWER LATERAL IS INSTALLED AND SERVICED TO THE CAL-PORTLAND FACILITIES.

\* CONTRACTOR TO VERIFY LOCATION AND INVERT ELEVATIONS OF EXISTING UTILITIES AND SURFACE UTILITIES AND NOTIFY OWNER OF ANY DISCREPANCIES PRIOR TO ANY CONSTRUCTION.



**THE RUBIDOUX GROUP**  
 1-800-422-4133  
 TWO WORKING DAYS BEFORE YOU DIG

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION.  
**Ted Beckwith**  
 DATE: 04/21/2022  
 DIRECTOR OF ENGINEERING, RCSD

NO.	REVISIONS	DATE

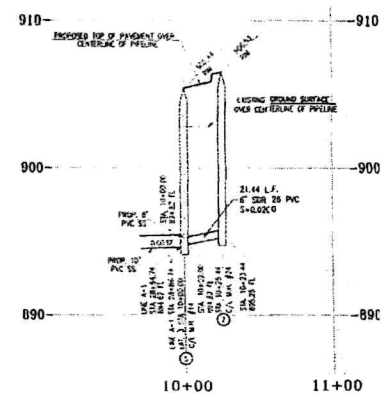
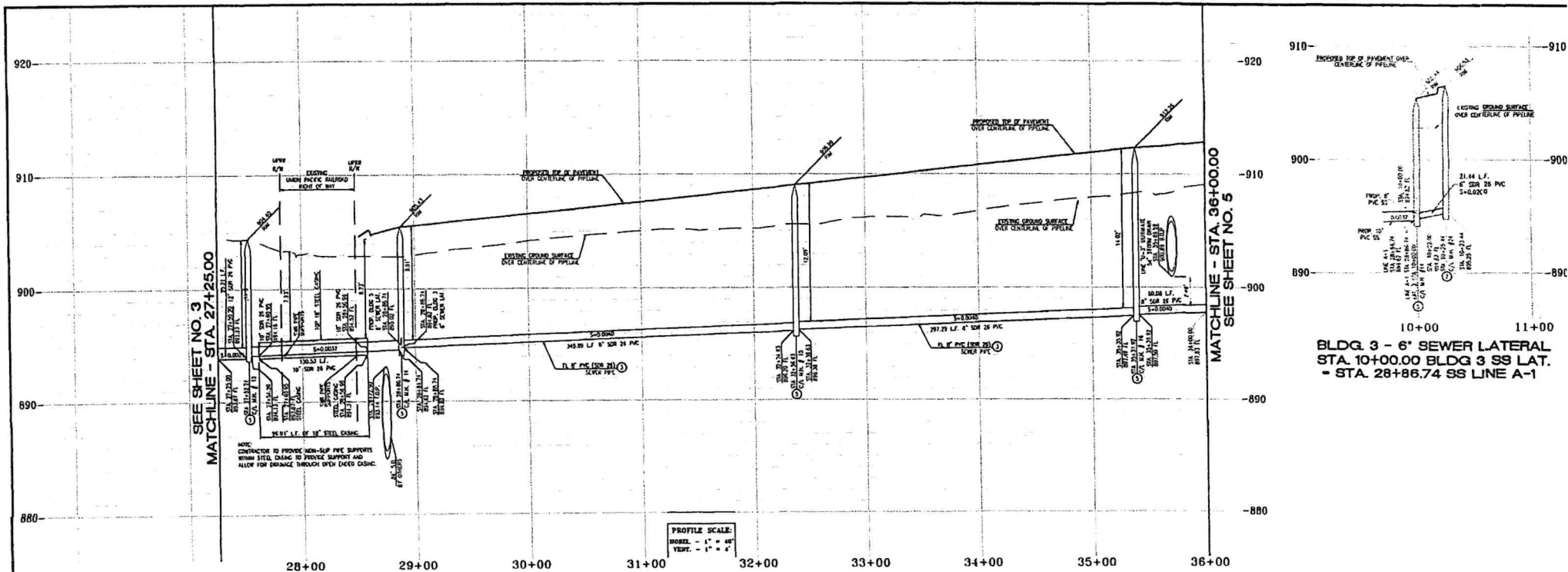
**RUBIDOUX COMMUNITY SERVICES DISTRICT**  
 1100 N. 31st St.  
 CALIFORNIA, CA 95610  
 TEL: 916-438-1100  
 FAX: 916-438-1111

**Thienes Engineering, Inc.**  
 CIVIL ENGINEERING AND SURVEYING  
 1748 N. FORTY-SECOND STREET  
 SACRAMENTO, CALIFORNIA 95833  
 TEL: 916-441-1111  
 FAX: 916-441-1112

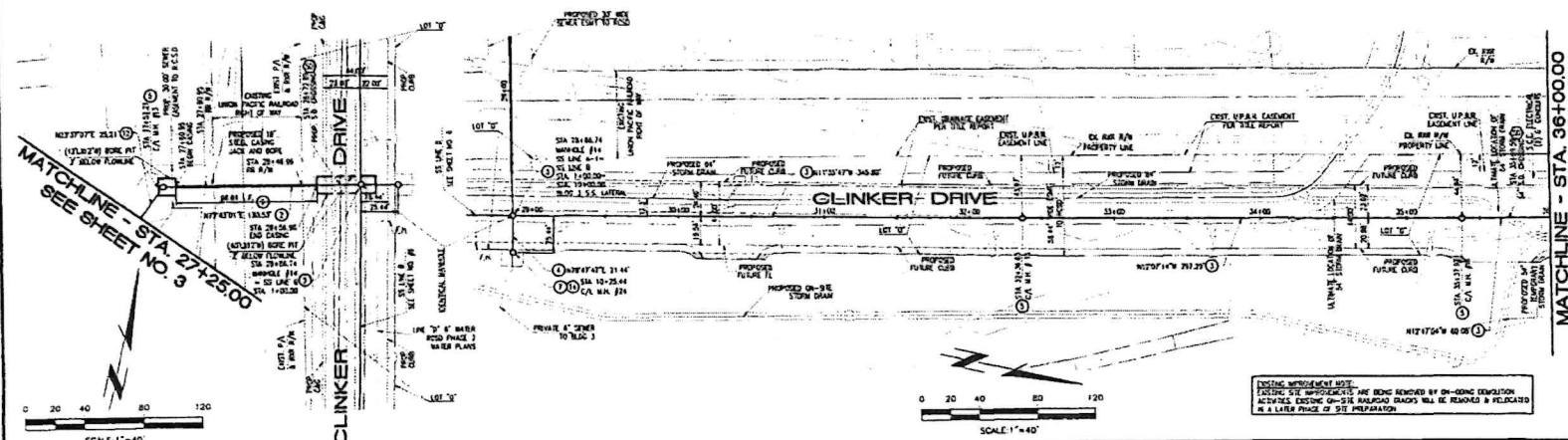
SCALE: 1" = 40'
DESIGNER: W.R.
CHECKER: D.T.
DATE: 04/21/2022
PROJECT NO: 2022-01

**RUBIDOUX COMMUNITY SERVICE DISTRICT**  
**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**  
 12" PUBLIC SEWER MAIN - 880 LINE A-1  
 STA. 19+50.00 TO STA. 27+25.00

SHEET  
**3**  
 OF 8 SHEETS  
 R.C.S.D. PLAN 18



BLDG 3 - 6" SEWER LATERAL  
 STA. 10+00.00 BLDG 3 SS LAT.  
 - STA. 28+86.74 SS LINE A-1



- SEWER CONSTRUCTION NOTES:**
- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY DEPTH AND LOCATION. DIMENSIONS OF EXISTING SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- 1) CONSTRUCT 16" SDR 26 PVC SEWER LINE, TRENCH BACKFILL AND PAYMENT REPAIR PER RCDSD STD. DWG. 520 (IF PAYMENT EXIST.)
  - 2) CONSTRUCT 8" SDR 35 PVC SEWER LINE, TRENCH BACKFILL AND PAYMENT REPAIR PER RCDSD STD. DWG. 520 (IF PAYMENT EXIST.)
  - 3) CONSTRUCT 8" SDR 24 PVC SEWER LINE, TRENCH BACKFILL AND PAYMENT REPAIR PER RCDSD STD. DWG. 520 (IF PAYMENT EXIST.)
  - 4) CONSTRUCT 4" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RCDSD STD. DWG. 520 AND 52000.
  - 5) DRY BASE AND JACK PER UNION PACIFIC RAILROAD SPECIFICATIONS, INSTALL 18" PVC SEWER LINE IN 18" DIAMETER (PVC) JACK (STEEL) PIPE CASING PER UNION PACIFIC RAILROAD SPECIFICATIONS. (SEE DETAILS ON SHEET 1)
  - 6) CONSTRUCT 18" SDR 24 PVC SEWER LINE, TRENCH BACKFILL AND PAYMENT REPAIR PER RCDSD STD. DWG. 520 (IF PAYMENT EXIST.)
  - 7) INSTALL MARKER POST FOR MANHOLE OUTSIDE OF PAVED AREAS.
- CONTRACTOR TO VERIFY LOCATION AND HEIGHT DIMENSIONS OF EXISTING UTILITY AND OBSTACLE. DIMENSIONS AND NOTIFICATION OF ANY DISCREPANCIES FROM TO ANY CONTRACTOR.

**UNIVERSITY CITY**  
 Sewer Service District  
 Call: TOLL FREE  
 1-800  
 422-4133

APPROVED BY THE RUBIDOUX COMMUNITY SERVICE DISTRICT FOR CONSTRUCTION:  
**Ted Beckwith**  
 DATE: \_\_\_\_\_ DIRECTOR OF ENGINEERING, SEE 489A  
 VOID AFTER ONE YEAR FROM THIS DATE

DATE	REVISION	BY	CHK

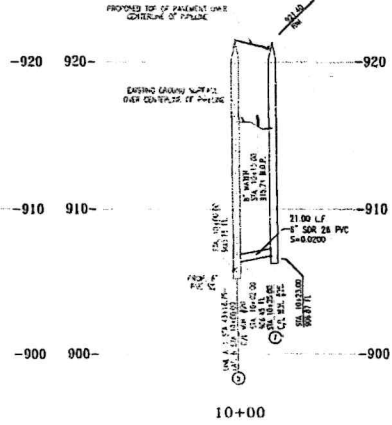
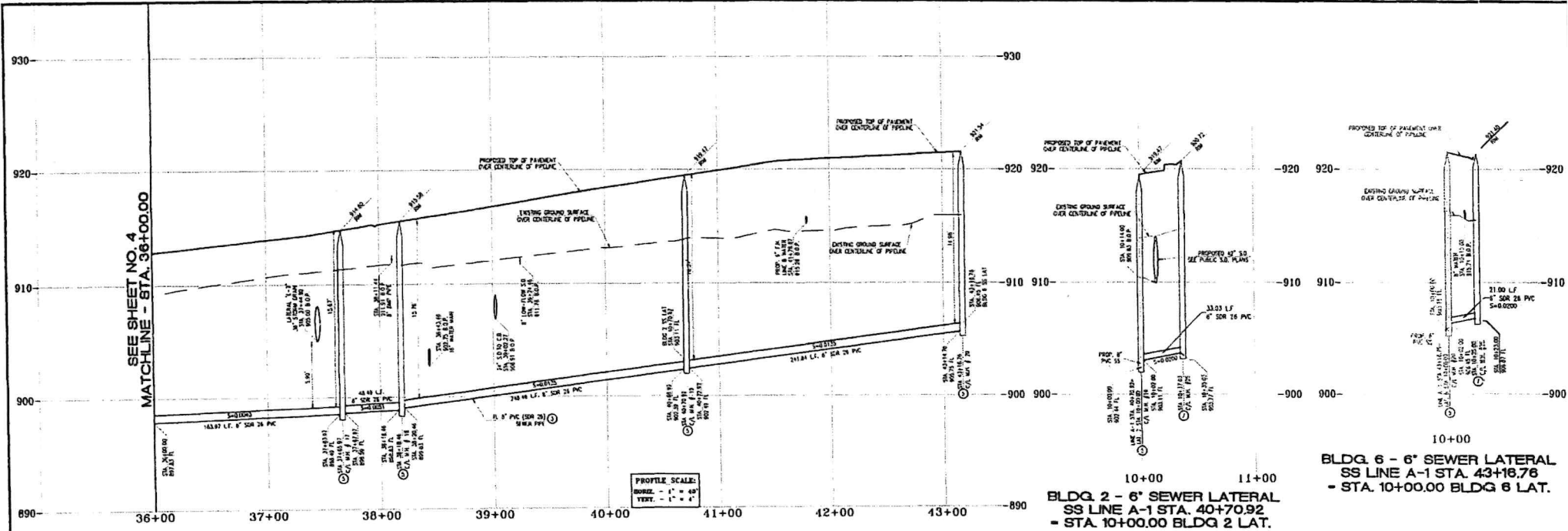
**REGISTERED PROFESSIONAL ENGINEER**  
 STATE OF CALIFORNIA  
 No. 10-31-22  
 04/21/2022

**Tal** Thienes Engineering, Inc.  
 ONE ENGINEERING LANE SUITE 100  
 1344 JACKSON AVENUE  
 RIVERSIDE, CALIFORNIA 92504-1111  
 (951) 514-1111  
 UNDER THE SUPERVISION OF:  
**Richard Stenzel**  
 REGISTERED ENGINEER NO. 25135

RUBIDOUX COMMUNITY SERVICE DISTRICT  
**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**  
 PUBLIC SEWER MAIN - 83 A-1  
 STA. 27+25.00 TO STA. 36+00.00

SHEET  
**4**  
 OF 8 SHEETS  
 R.C.S.D. PLAN N





BLDG 6 - 6" SEWER LATERAL  
SS LINE A-1 STA. 43+16.76  
- STA. 10+00.00 BLDG 6 LAT.

BLDG 2 - 6" SEWER LATERAL  
SS LINE A-1 STA. 40+70.92  
- STA. 10+00.00 BLDG 2 LAT.

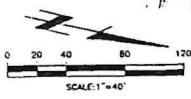
SEE SHEET NO. 4  
MATCHLINE - STA. 36+00.00

SEE SHEET NO. 4  
MATCHLINE - STA. 36+00.00

SANDSTONE ROAD

CLINKER DRIVE

SANDSTONE ROAD



- SEWER CONSTRUCTION NOTES:**  
NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY INVERT AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- 1. CONSTRUCT 8" 28 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. DMC 620 (IF PAVEMENT EXIST).
  - 2. CONSTRUCT 8" 28 PVC SEWER LINE, TRENCH BACKFILL AND PAVEMENT REPAIR PER RCSD STD. DMC 620 (IF PAVEMENT EXIST).
  - 3. CONSTRUCT 4" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RCSD STD. DMC 52030 AND 52040.
  - 4. CONSTRUCT 4" DIA. PRECAST CONCRETE "SHOULDER" MANHOLE WITH FRAME AND COVER PER RCSD STD. DMC 52030 AND 52040.
  - 5. INSTALL MARKER POST FOR MANHOLE OUTSIDE OF PAVED AREAS.

\* CONTRACTOR TO VERIFY LOCATION AND INVERT ELEVATIONS OF EXISTING STREETS AND FINANCE SYSTEMS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY CONSTRUCTION.

EXISTING IMPROVEMENTS: EXISTING STIPPLEMENTS ARE BEING REMOVED BY ON-GOING DEMOLITION ACTIVITIES. EXISTING ON-SITE DRAINAGE TRACKS WILL BE PROVIDED AS REQUIRED IN A LATER PHASE OF SITE PREPARATION.

Professional Engineer  
Ted Beckwith  
DATE: 04/21/2022  
DIRECTOR OF ENGINEERING, PCE 44796

APPROVED BY THE RUBIDOUX COMMUNITY SERVICE DISTRICT FOR CONSTRUCTION:  
**Ted Beckwith**  
DATE: 04/21/2022  
DIRECTOR OF ENGINEERING, PCE 44796

NO.	REVISION	DATE	BY

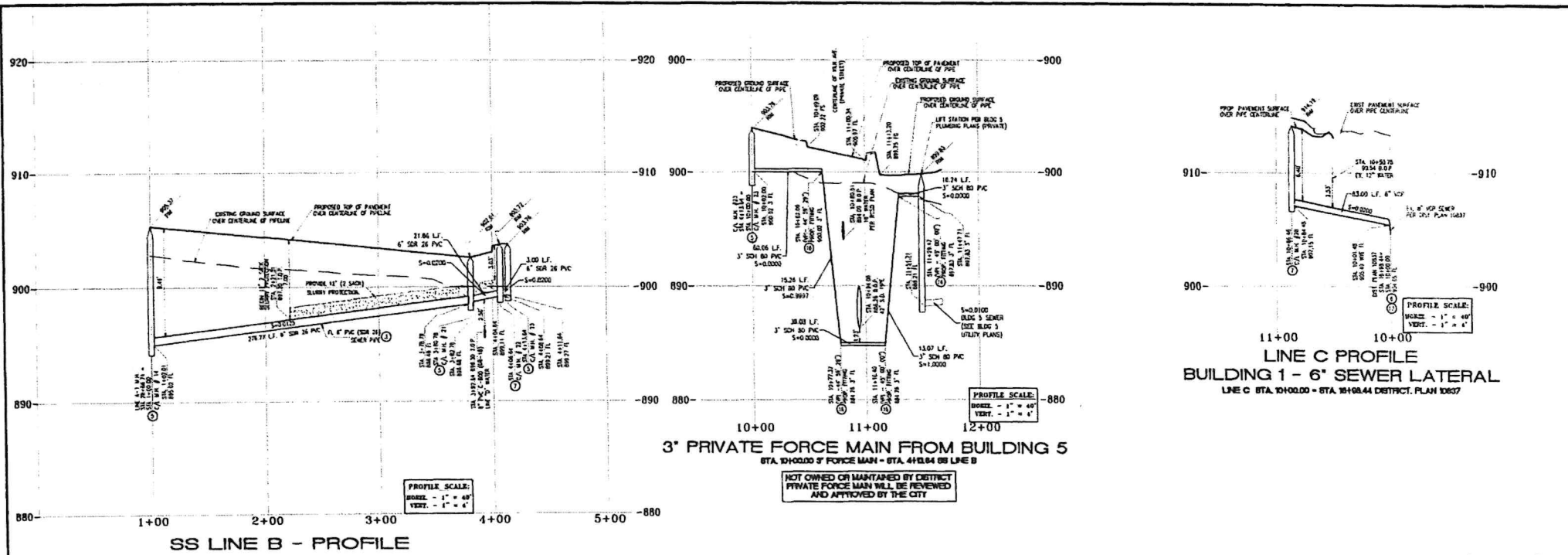
Professional Engineer  
Thienes Engineering, Inc.  
DATE: 04/21/2022  
ENGINEER OF RECORD

Thienes Engineering, Inc.  
17334 FIRESTONE BOULEVARD  
LA BREA, CALIFORNIA 90009  
PH: (310) 211-1111  
FAX: (310) 211-1112

UNDER THE SUPERVISION OF:  
*[Signature]*  
RECORDS ENGINEER, PCE NO. 56125

SCALE: 1" = 40'
DATE: 04/21/2022
DESIGNED BY: M.R.
CHECKED BY: D.I.
PLOTTED BY: R.S.

RUBIDOUX COMMUNITY SERVICE DISTRICT  
**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**  
IF PUBLIC SEWER MAIN - SS LINE A-1  
STA. 36+00.00 TO STA. 43+16.76



SS LINE B - PROFILE

3' PRIVATE FORCE MAIN FROM BUILDING 5  
STA. 10+00 TO STA. 12+00 ON LINE B

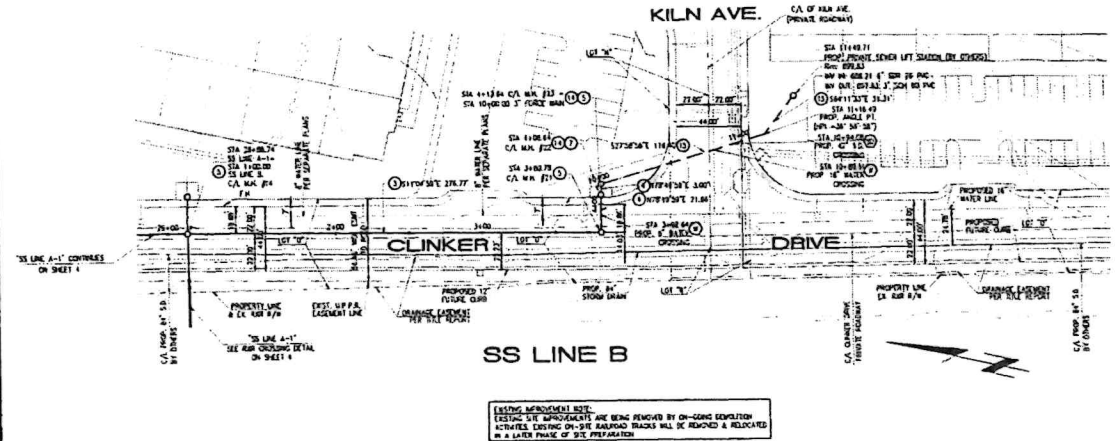
LINE C PROFILE  
BUILDING 1 - 6" SEWER LATERAL  
LINE C STA. 10+00.00 - STA. 11+00.44 DISTRICT PLAN 10637

NOT OWNED OR MAINTAINED BY DISTRICT  
PRIVATE FORCE MAIN WILL BE REVERSED  
AND APPROVED BY THE CITY

PROFILE SCALE:  
HORIZ. - 1" = 40'  
VERT. - 1" = 4'

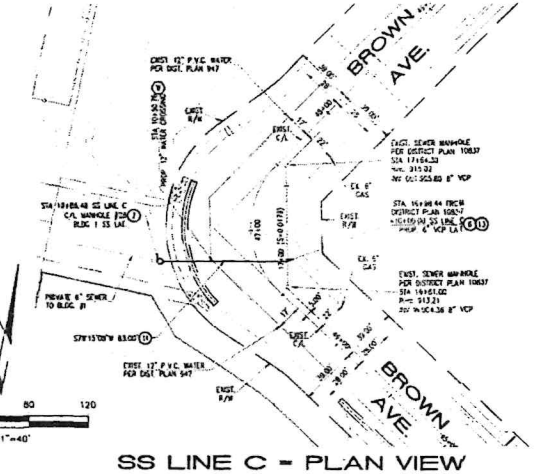
PROFILE SCALE:  
HORIZ. - 1" = 40'  
VERT. - 1" = 4'

PROFILE SCALE:  
HORIZ. - 1" = 40'  
VERT. - 1" = 4'



**SEWER CONSTRUCTION NOTES:**

- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY INVERT AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- CONSTRUCT 6" DIA. 28 PVC SEWER LINE, FRENCH BACKFILL AND PAVEMENT REPAIR PER RESO STD. DMC. 5200 (IF PAVEMENT EXIST).
  - CONSTRUCT 6" DIA. 28 PVC SEWER LINE, FRENCH BACKFILL AND PAVEMENT REPAIR PER RESO STD. DMC. 5200 (IF PAVEMENT EXIST).
  - CONSTRUCT 6" DIA. PRECAST CONCRETE MANHOLE WITH FRAME AND COVER PER RESO STD. DMC. 5200 AND 5201.
  - CONSTRUCT SEWER LATERAL PER RESO STD. DMC. 5202.
  - CONSTRUCT 4" DIA. PRECAST CONCRETE "SADDLE" MANHOLE WITH FRAME AND COVER PER RESO STD. DMC. 5200 AND 5201.
  - CONSTRUCT 6" DIA. 28 PVC SEWER LINE, FRENCH BACKFILL AND PAVEMENT REPAIR PER RESO STD. DMC. 5200 (IF PAVEMENT EXIST).
  - INSTALL LATERAL SADDLE CONNECTION TO EXISTING SEWER MAIN PER RESO STD. DMC. 5200.
  - INSTALL MANHOLE POST FOR MANHOLE OUTSIDE OF PAVED AREAS.
  - 3" DIA. 80 PVC PRIVATE FORCE MAIN FROM (BUILDING 5) PRIVATE LIFT STATION (NOT OWNED OR MAINTAINED BY DISTRICT AND WILL BE REMOVED AND APPROVED BY THE CITY).
  - 3" DIA. 80 PVC 45' GLEBE FOR PRIVATE FORCE MAIN (NOT OWNED OR MAINTAINED BY DISTRICT AND WILL BE REMOVED AND APPROVED BY CITY).
- \* CONTRACTOR TO VERIFY LOCATION AND INVERT ELEVATIONS OF EXISTING UTILITIES AND GRAVITY TUTORIAL AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY CONSTRUCTION



Approved  
Dorcas Ward  
Call: TOLL FREE  
1-800  
422-4133

TWO WORKING DAYS BEFORE YOU DIG

APPROVED BY THE RUBIDOUX COMMUNITY SERVICE DISTRICT FOR CONSTRUCTION:

**Ted Beckwith**  
DATE: DIRECTOR OF ENGINEERING, RCJ #9792

VAND AFTER ONE YEAR FROM THIS DATE

REGISTERED PROFESSIONAL ENGINEER  
STATE OF CALIFORNIA  
No. 44824  
Exp. 11-30-21

**Thienes Engineering, Inc.**  
11438 FORTITUDE BOULEVARD  
SUITE 1000  
SAN DIEGO, CALIFORNIA 92121  
(619) 451-1111  
WWW.THIESENENGINEERING.COM

UNDER THE SUPERVISION OF  
**Paul Thienes**  
REGISTERED STATE ENGINEER, NO. 26155  
DATE: 04/21/2024

RUBIDOUX COMMUNITY SERVICE DISTRICT  
**PARCEL MAP NO. 37528**  
**SEWER IMPROVEMENT PLAN**  
6" PUBLIC SEWER LATERAL, PLAN & PROFILE - SS LINE C - STA. 10+00.00 TO STA. 10+45.44  
3" FORCE MAIN FROM BLDG 5 - SEWER PLAN & PROFILE - STA. 10+00.00 TO STA. 11+47.71

SHEET  
**6**  
OF 8 SHEETS  
R.C.S.D. PLAN 10



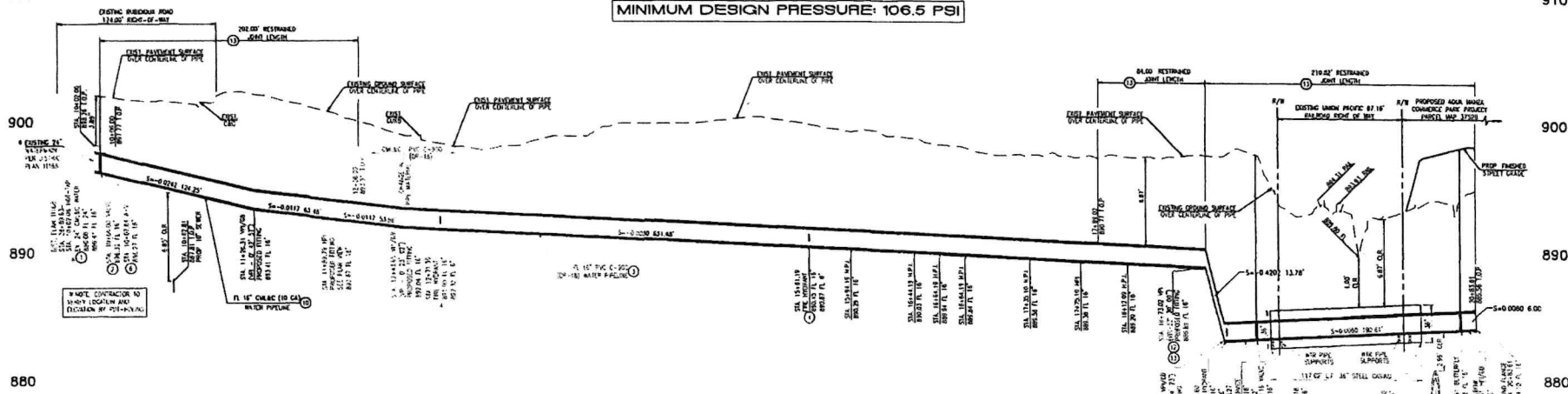




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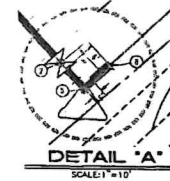
910

MINIMUM DESIGN PRESSURE: 106.5 PSI



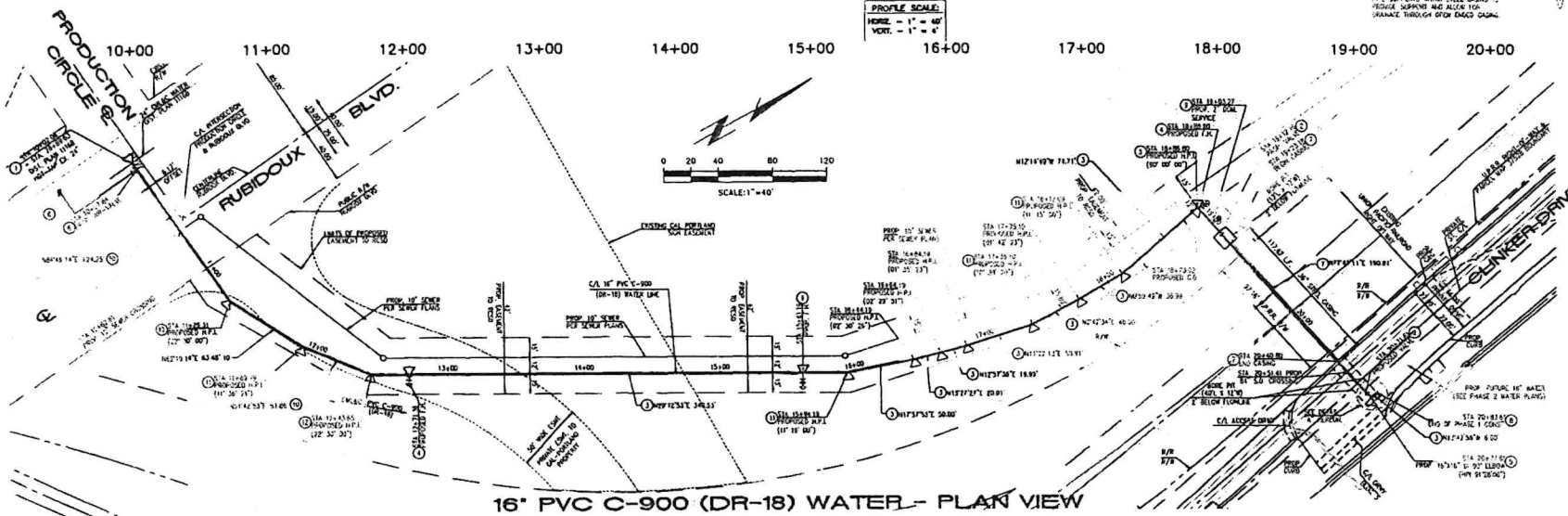
### 16" PVC C-900 (DR-18) WATER PROFILE

PROFILE SCALE:  
 HORIZ. 1" = 40'  
 VERT. 1" = 4'



### WATER CONSTRUCTION NOTES:

- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY INVERT AND LOCATIONS. DIMENSION OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
1. HOT TAP EXISTING 36" CHLORAL WATER MAIN WITH 16" FLANGED OUTLET AND 16" GATE VALVE PER RCSI STD. DMC. W1240. TRENCH AND BACKFILL PER RCSI STD. DMC. C20.
  2. INSTALL 16" DUCTILE IRON BUTTERFLY VALVE PER RCSI STD. DMC. W1030 THRUST BLOC PER RCSI STD. DMC. C40.
  3. INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER RCSI STANDARDS. JOINT RESTRAINED PER THURST BLOC PER RCSI STD. DMC. G40. TRENCH AND BACKFILL PER RCSI STD. DMC. C20.
  4. INSTALL 4" COMMERCIAL FIRE HYDRANT PER RCSI STD. DMC. W1060.
  5. INSTALL 16"x16" DUCTILE IRON (CLASS 350) 90° ELBOW WITH THURST BLOC PER RCSI STD. DMC. G40.
  6. INSTALL 2" AIR VALVE PER RCSI STD. DMC. W1010.
  7. JACK AND BORE PER UNDER PACIFIC RAILROAD SPECIFICATIONS. INSTALL 16" CHLORAL A53A (0.275" THICK) WATER MAIN PER RCSI STANDARDS. WELDER JOINTS AND RESTRAINED TRANSITION COMPLIES TO GO FROM PVC TO STEEL WITH 36" DIA. (0.275" WALL THICKNESS) STEEL PIPE CASING PER UNDER PACIFIC RAILROAD SPECIFICATIONS. SEE DISCHARGE REQUIREMENTS ON SHEET 1.
  8. INSTALL 16" RESTRAINED BLIND FLANGE PER RCSI STD. DMC. W1240.
  9. INSTALL 2" DOMESTIC WATER SERVICE, METER AND METER BOX PER RCSI STD. DMC. W1110.
  10. INSTALL 16" CHLORAL (10 CA) WATER MAIN WITH FULLY WELDED RESTRAINED JOINTS PER RCSI STD. DMC. W1240. TRENCH AND BACKFILL PER RCSI STD. DMC. C20.
  11. INSTALL 16"x16" DUCTILE IRON (CLASS 350) 90° ELBOW WITH THURST BLOC PER RCSI STD. DMC. G40.
  12. INSTALL 16"x16" DUCTILE IRON (CLASS 350) 22.5° ELBOW WITH THURST BLOC PER RCSI STD. DMC. G40.
  13. PROVIDE JOINT RESTRAINER PER DETAILS ON SHEET 1.



### 16" PVC C-900 (DR-18) WATER - PLAN VIEW

**48 hours BEFORE excavation**  
 (800) 227-2600  
 CALL Underground Service Alert

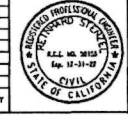
I HEREBY GIVE THE DESIGN OF THE WATER SYSTEM FOR PAR. NO. 37528 AS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM WATER PARTS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE ACCORDING TO THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM OPERATING RULES AND REGULATIONS, AND IF THE WATER SERVICE IS TO BE OPERATED IN ANY OTHER MANNER, PLANS, OR PRESCRIPTIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAME.

DATE: 02/12/22  
 BY: [Signature]

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:

DATE: 02/12/22  
 BY: [Signature]

NO.	REVISIONS	DATE	BY



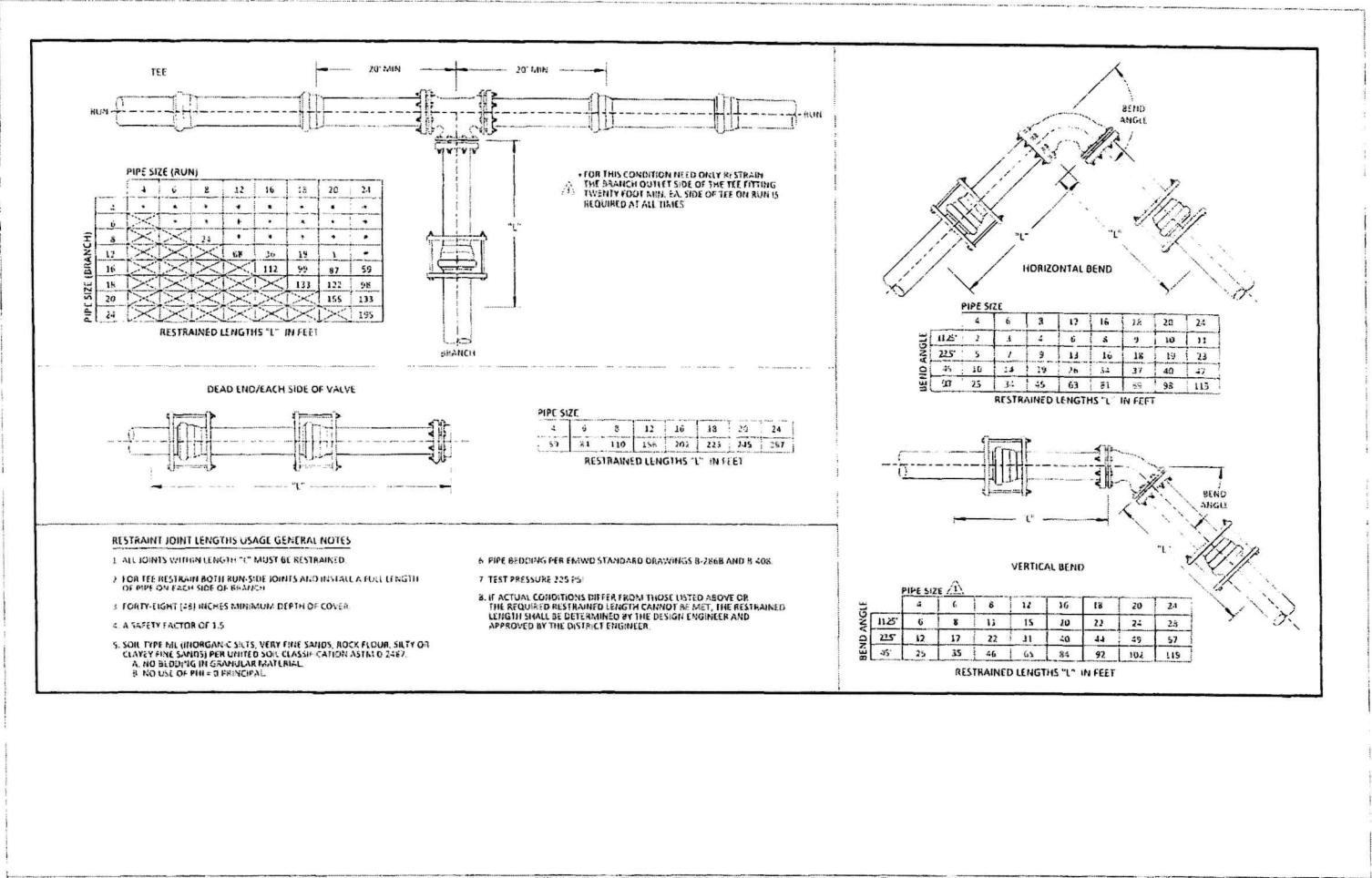
**Thienes Engineering, Inc.**  
 CIVIL ENGINEERING & LAND SURVEYING  
 14349 FIRESTONE BOULEVARD  
 LA BORDA, CALIFORNIA 94551  
 PH: (925) 481-1111 FAX: (925) 481-1112

APPROVED BY: [Signature]  
 REGISTERED ENGINEER NO. 26152 DATE: 2/12/22

RUBIDOUX COMMUNITY SERVICES DISTRICT  
 WATER IMPROVEMENT PLAN FOR  
 PARCEL MAP NO. 37528  
 PLAN AND PROFILE  
 FROM STA 10+00.00 TO STA 20+83.61

SCALE: AS NOTED  
 FIELD BOOK: [ ]  
 DESIGN: M.R.  
 DRAWN: D.T.  
 CHECKED: R.S.

SHEET **2** OF 3 SHEETS  
 R.C.S.D. PLAN



ALL VALVES SHOULD BE RESTRAINED ON EACH SIDE AS IF THEY WERE DEAD ENDS (SEE ABOVE)

48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PARCEL NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM WATER PLAN OF THE RIBIDOUX COMMUNITY SERVICES DISTRICT, AND THAT THE WATER SERVICE, SERVICE AND SYSTEM SYSTEM SHALL BE ACCORDING TO THE DESIGN AND THE SAID PARCELS OF SAID PARCELS AND THE CERTIFICATION DOES NOT GUARANTEE THAT IT WILL SAFELY MEET TO THE PARCELS BY ANY SPECIFIC QUANTITIES, FLUORIDE OR PRESSURE. THE DESIGN IS NOT A CONTRACT.

DATE: 11/11/22  
BY: [Signature]

APPROVED BY THE RIBIDOUX COMMUNITY SERVICES DISTRICT ENGINEERING DIVISION

SYMBOL	REVISIONS	DATE	BY

VOID AFTER ONE YEAR FROM THIS DATE



**Thienes Engineering, Inc.**  
CIVIL ENGINEERING & LAND SURVEYING  
14349 FIRESTONE BOULEVARD  
LA BUREAU, CALIFORNIA 90038  
(909) 421-1111 (FAX) (909) 421-1111

APPROVED BY: [Signature]  
REGISTERED ENGINEER NO. 38122 DATE: 11/11/22

SCALE	AS NOTED
FIELD BOOK	
DESIGN	M.R.
DRAWN	D.T.
CHECKED	R.S.

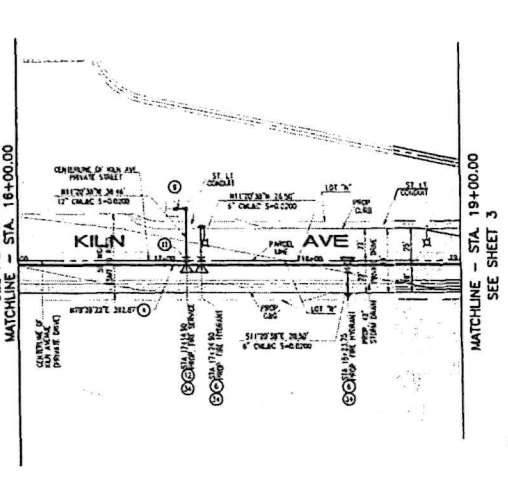
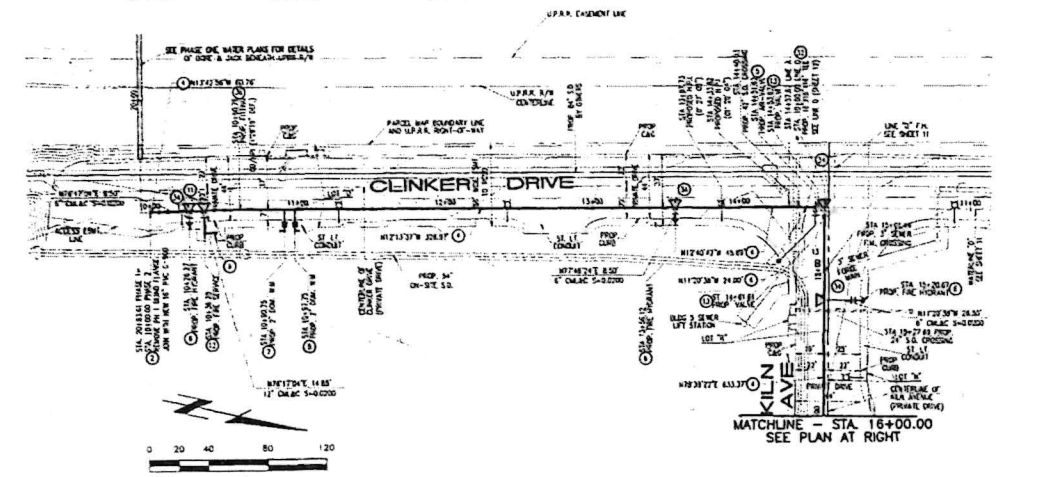
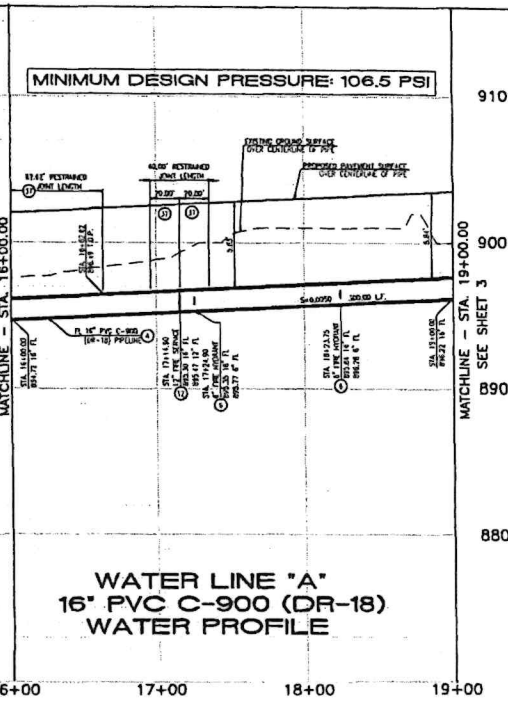
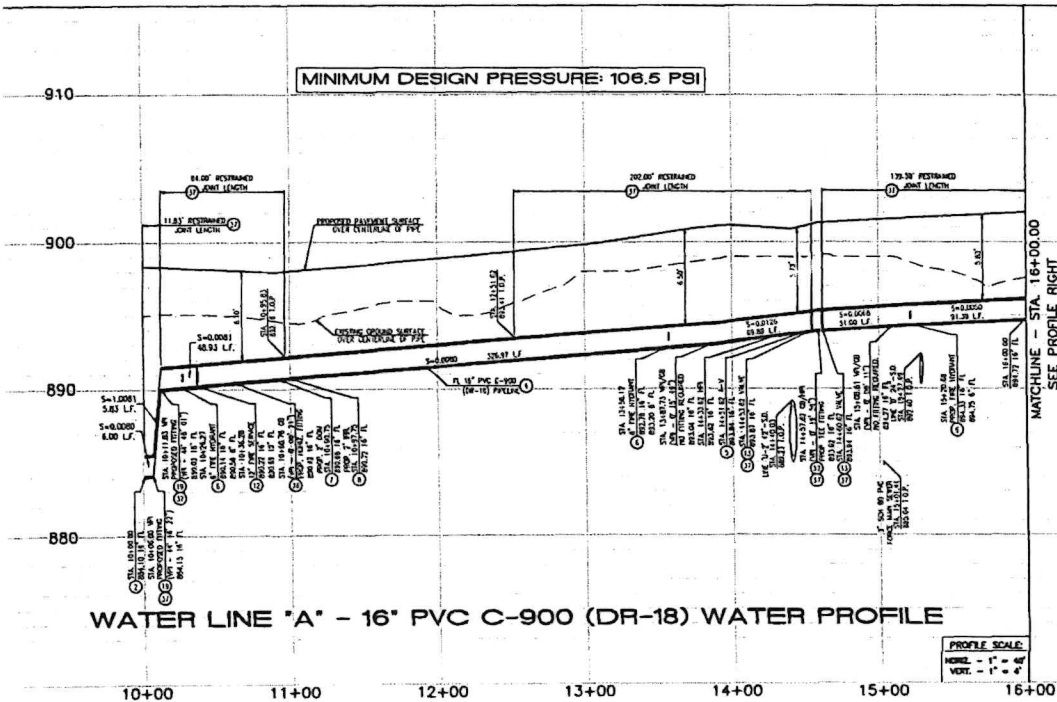
RIBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
**RESTRAINED JOINT  
LENGTH DETAILS**











**PROCEDURE FOR JOINING**

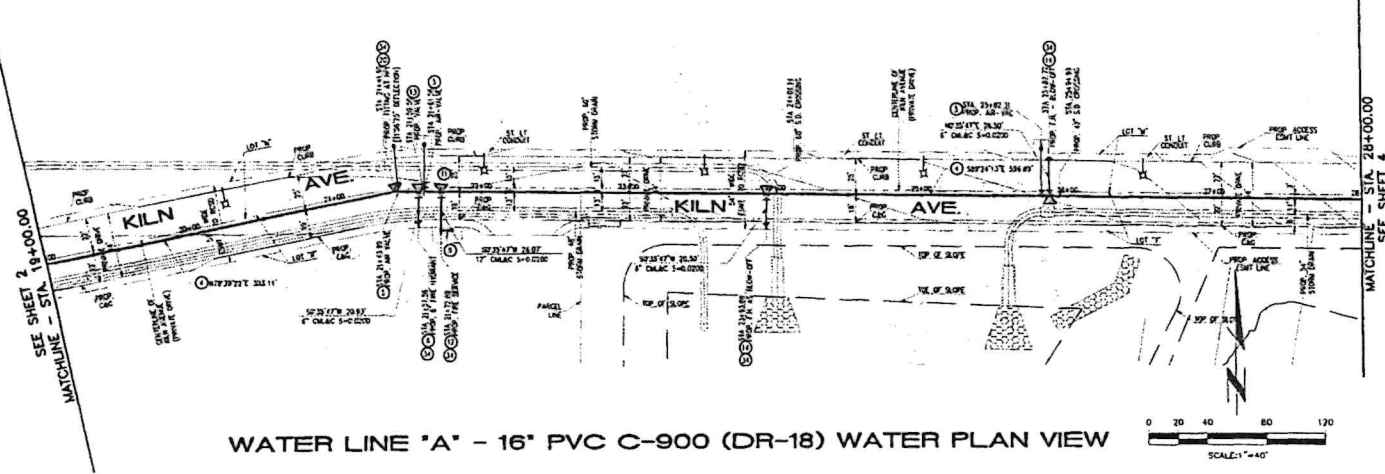
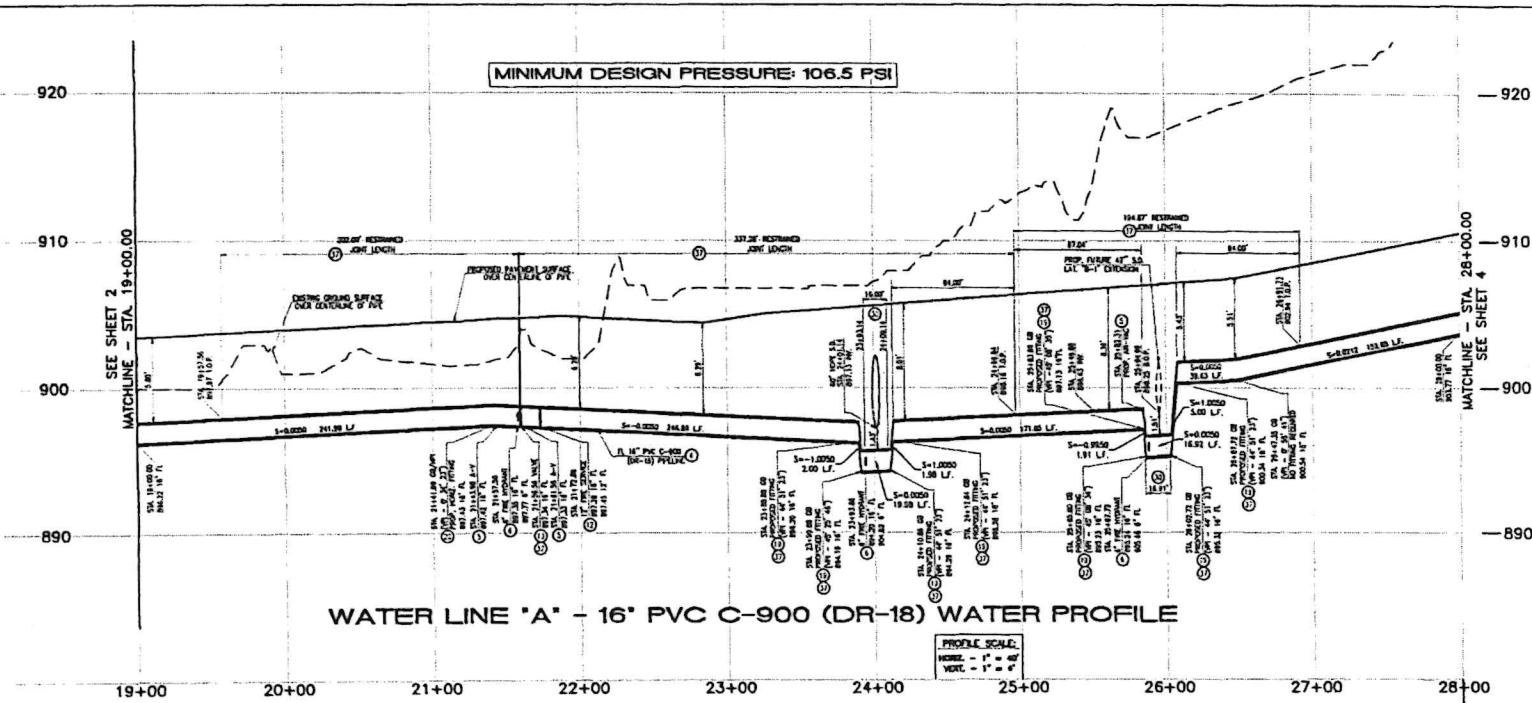
- CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING PHASE 1 WATER PIPELINE. CONTRACTOR NOTIFY PCSO A FULL 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY AND OBTAIN BOTH PERMIT AND INSPECTION FROM PCSO. 5+20 TO 5+25 MORE
- CONTRACTOR SHALL INSPECT EXISTING PIPELINE FOR DAMAGE AND REPORT FINDINGS TO ENCLER AND PCSO
- CONTRACTOR SHALL HAVE SAPE EXISTING PHASE 1 VALVE ADJACENT TO EXISTING PHASE 1 90° ELBOW IS CLEARED BEFORE REMOVING BLIND FLANGE AT THE JOIN LOCATION AND CLEANING AND PREPARING JOIN LOCATION PER PCSO STANDARDS
- ONCE THE PCSO INSPECTOR IS SATISFIED WITH THE CONDITION OF THE EXISTING PIPELINE AND HAS DETERMINED THAT IT MEETS WITH PCSO STANDARDS FOR JOINING, THE CONTRACTOR MAY PROCEED UNDER PCSO INSPECTOR DIRECTION.

**WATER CONSTRUCTION NOTES:**

- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY INVERT AND LOCATIONS. DIAMETER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- REMOVE EXIST. 18" BLIND FLANGE AND CONNECT NEW 16" PVC C-900 WATER MAIN TO EXISTING PHASE 1 90° ELBOW. SET INSTALLED PER PCSO 1" DRAWING.
  - INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER PCSO STANDARDS, WITH BURIED BLOCK RESTRAINT PER PCSO STD. DWG. 640 TRENCH AND GUTTER. PER PCSO STD. DWG. 600
  - INSTALL 2" AIR VALVE ASSEMBLY PER PCSO STD. DWG. W1010
  - INSTALL 6" COMMERCIAL FIRE HYDRANT PER PCSO STD. DWG. W1050
  - INSTALL 2" DOMESTIC WATER SERVICE, METER AND METER BOX (COMPLETE) PER PCSO STD. DWG. W1110 & 2" BACKFLOW PER PCSO STD. DWG. W1130
  - INSTALL 2" BRINDON WATER SERVICE, METER AND METER BOX (COMPLETE) PER PCSO STD. DWG. W1110 & 2" BACKFLOW PER PCSO STD. DWG. W1130
  - INSTALL 12" DOUBLE DETECTOR CHECK ASSEMBLY PER PCSO STD. DWG. W1140 MODIFIED WITH 12" PP-RPC, FITTINGS AND APPURTENANCES.
  - INSTALL 16"x16"x16" (CLASS 350 DUCTILE IRON) FULLY FLANGED TEE.
  - INSTALL 12" FIRE SERVICE
  - INSTALL 16" BUTTERFLY VALVE PER PCSO STD. DWG. W1030
  - INSTALL 18" (CLASS 350 D.I.) 45° ELBOW FITTING PER PCSO STANDARDS.
  - INSTALL 16"x16"x16" (CLASS 350 DUCTILE IRON) TEE.
  - INSTALL BURST BLOCK RESTRAINT PER PCSO STD. DWG. 640
  - PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14

**WATER LINE 'A' - 16" PVC C-900 (DR-18) WATER PLAN VIEWS**

<p>48 hours BEFORE excavation (800) 227-2600 CALL Underground Service Alert!</p>	<p>VERIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P.M. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM WATER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE METER SERVICE, SERVICE AND DISTRIBUTION SYSTEM SHALL BE ADAPTED TO SUPPLY WATER SERVICE TO SAID PARCELS AND THIS CERTIFICATION DOES NOT WARRANT THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ANY SPECIFIC QUANTITIES, FLOWS, OR PRESSURES OR FOR PURPOSES OF ANY OTHER PURPOSE.</p> <p>D:\Projects\2024\37528\37528.dwg 06/10/2024 10:00 AM Location: Arroyo Valley, CA 95020 Author: [Name] Checked: [Name]</p>	<p>APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION</p> <p>[Signature] DIRECTOR OF ENGINEERING, REC. 48738</p>	<p>APPROVED BY:</p> <p>[Signature] REGISTERED ENGINEER No. 55152 DATE: 3/2/24</p>	<p>SCALE: 1"=40'</p> <p>FIELD BOOK</p> <p>DESIGN: M.R.</p> <p>DRAWN: D.T.</p> <p>CHECKED: R.S.</p>	<p>RUBIDOUX COMMUNITY SERVICES DISTRICT WATER IMPROVEMENT PLAN FOR PARCEL MAP NO. 37528 <b>LINE "A" PLAN &amp; PROFILE</b> STA. 10+00.00 TO STA. 19+00.00</p>	<p>SHEET <b>2</b> OF 10 SHEETS R.C.S.D. PLAN NO.</p>
	<p>DATE: 3/2/24</p> <p>VOID AFTER ONE YEAR FROM THIS DATE</p>	<p>REVISIONS</p> <p>DATE BY</p>	<p>PROFESSIONAL SEAL REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA No. 55152 Exp. 12-31-25</p>	<p>Thienes Engineering, Inc. CIVIL ENGINEERING - LAND SURVEYING 14349 FINESTONE DR. SUITE 200 LA BARRA, CALIFORNIA 95036 PH: 925-255-1111 FAX: 925-255-1112</p>	<p>SCALE: 1"=40'</p>	<p>DATE: 3/2/24</p>



- WATER CONSTRUCTION NOTES:**  
NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
1. INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER RCSD STANDARDS, WITH THURST BLOCK ASSEMBLY PER RCSD STD. DWG. C&I TRENCH AND SCHEDULE PER RCSD STD. DWG. C&I
  2. INSTALL 1" AIR VALVE ASSEMBLY PER RCSD STD. DWG. W1070
  3. INSTALL 6" COMMERCIAL FIRE INSULANT PER RCSD STD. DWG. W1060
  4. INSTALL 12" DOUBLE DETECTION CHUTE ASSEMBLY PER RCSD STD. DWG. W1140 MOUNTED WITH 12" PIPING, FITTINGS AND APPURTENANCES.
  5. INSTALL 16"x18"x12" (CLASS 350 MACTEL 150#) FULLY FLANGED TEE.
  6. INSTALL 12" PIPE SERVICE.
  7. INSTALL 16" BUTTERFLY VALVE PER RCSD STD. DWG. W1030
  8. INSTALL 6" COMMERCIAL FIRE INSULANT PER RCSD STD. DWG. W1060 (AS A LOW-POINT SYSTEM BLOW-OFF)
  9. INSTALL 16" (CLASS 350 D.I.) 45° ELBOW FITTING PER RCSD STANDARDS.
  10. INSTALL 18" (CLASS 350 D.I.) 11.25" SLOW FITTING PER RCSD STANDARDS.
  11. CONTRACTOR TO AVOID PLACING PIPE JOINTS IN THIS SPAN.
  12. INSTALL THURST BLOCK ASSEMBLY PER RCSD STD. DWG. C&I
  13. PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14

48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P.M. NO. 37528 IS IN ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT, AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE ADEQUATE TO SUPPLY WATER SERVICE TO SAID PARCELS AND THAT THE CERTIFICATION TIES ARE CORRECT AND THAT I WILL SUPPLY WATER TO SAID PARCELS AT ANY FUTURE QUANTITIES, FLOW, OR PRESSURES AS THE ENGINEER OF RECORD SHALL DETERMINE.  
DATE: 11/17/22  
DIRECTOR OF ENGINEERING SERVICES DISTRICT  
C&I Engineering, C&I Land Services  
16400 Avenida Safety CA 92523  
Tel: 951-740-1000  
Fax: 951-740-1001  
Email: info@csd.org

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT ENGINEER OF RECORD  
DATE: 11/17/22  
DIRECTOR OF ENGINEERING SERVICES DISTRICT  
C&I Engineering, C&I Land Services  
16400 Avenida Safety CA 92523  
Tel: 951-740-1000  
Fax: 951-740-1001  
Email: info@csd.org

VOID AFTER ONE YEAR FROM THIS DATE  
SYM REVISIONS DATE BY

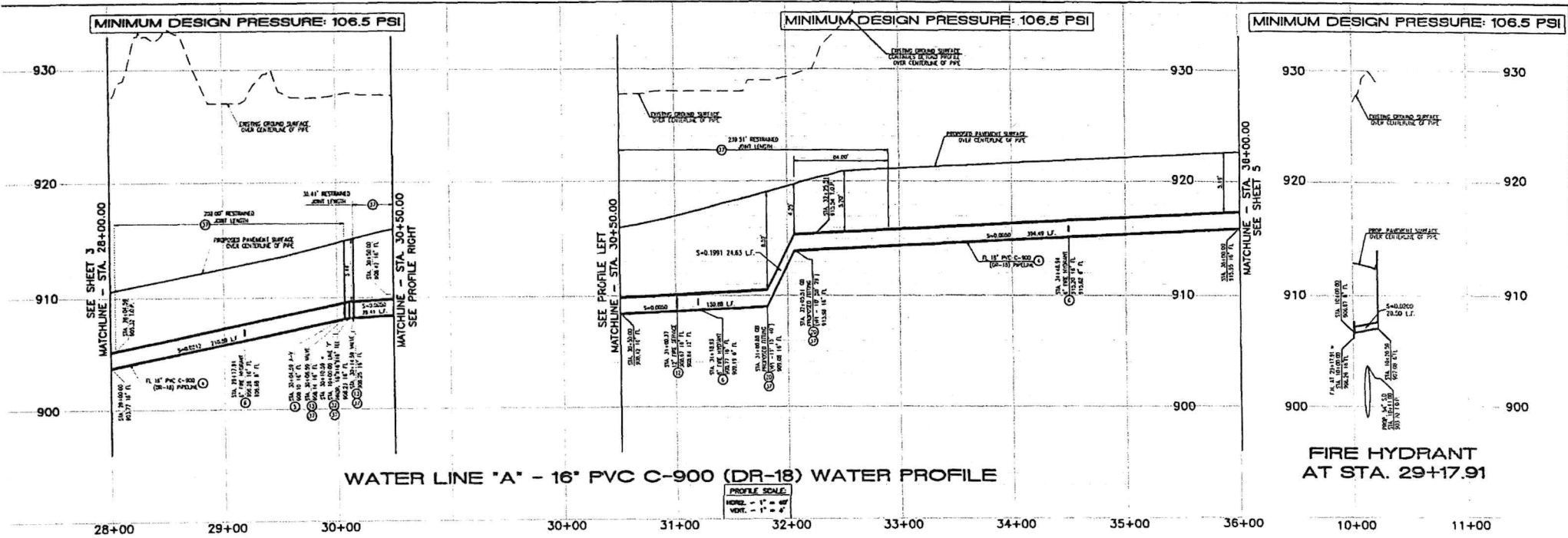


**Thiens Engineering, Inc.**  
CIVIL ENGINEERING - LAND SURVEYING  
16400 AVENUE SAFETY, BOLLINGWOOD  
LA BERRA, CALIFORNIA 92523  
PROJECT - M&L 37528-11-22  
APPROVED BY: [Signature]  
REGISTERED ENGINEER No. 56155 DATE: 11/17/22

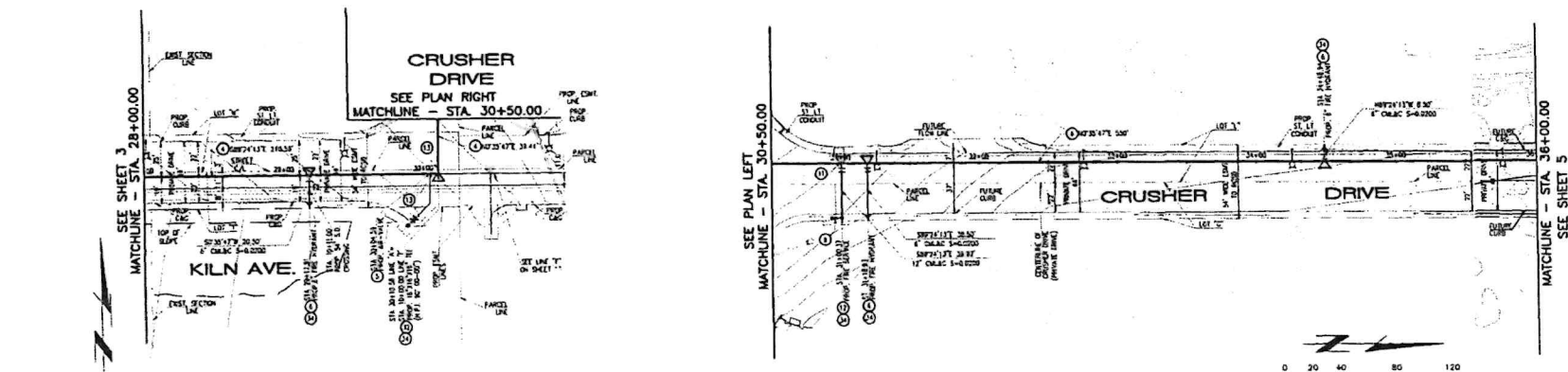
SCALE: 1" = 40'  
FIELD BOOK  
DESIGN: M.R.  
DRAWN: O.T.  
CHECKED: R.S.

RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
**LINE "A" PLAN & PROFILE**  
STA. 19+00.00 TO STA. 28+00.00

SHEET  
**3**  
OF 18 SHEETS  
R.C.S.D. PLAN NO.

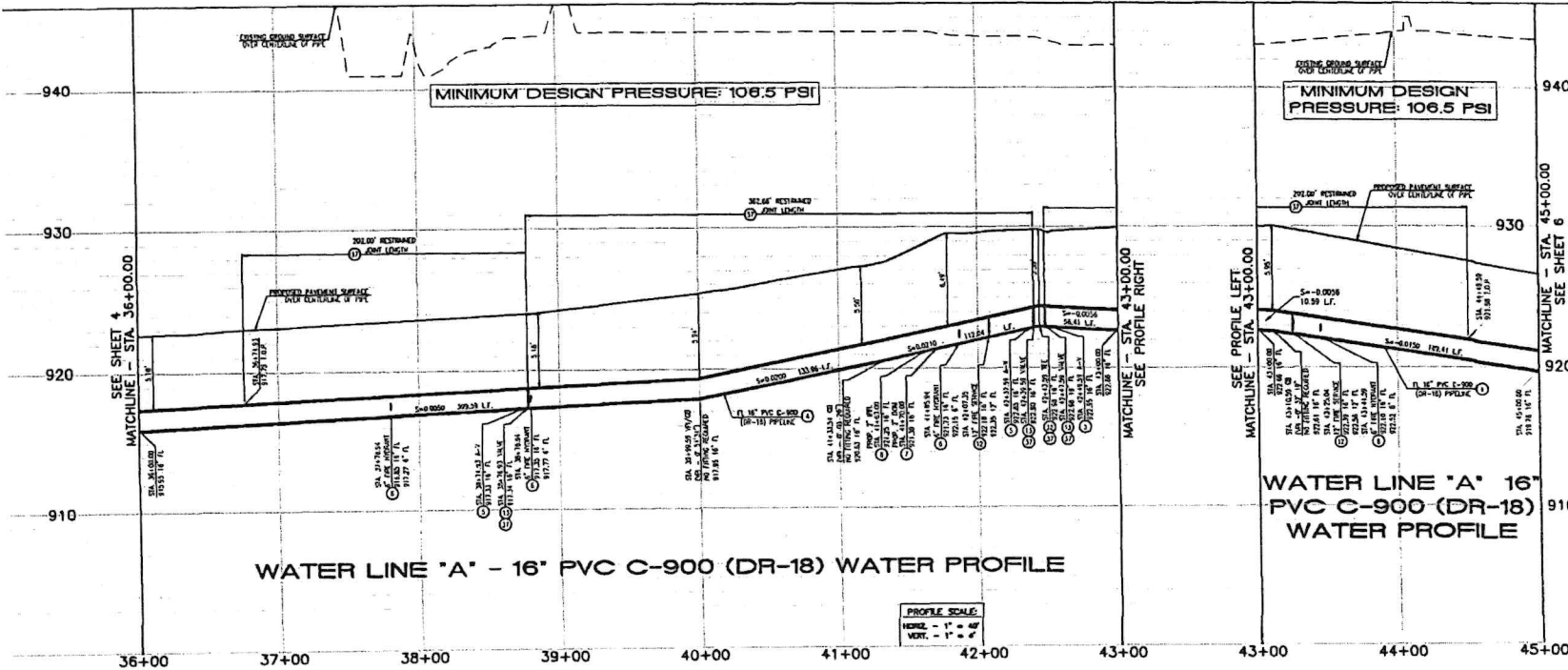


**FIRE HYDRANT  
AT STA. 29+17.91**



- WATER CONSTRUCTION NOTES:**  
NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY RAVEL AND LOCATIONS. CAREFUL RECORD SHALL BE NOTIFIED OF ANY OCCURRENCES
- ④ INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER PCSO STANDARDS WITH BURIED BLOCK RESTRAINT PER PCSO STD. DWG. G40. TRENCH AND GULLIES FOR PCSO STD. DWG. G29
  - ⑤ INSTALL 2" AIR VALVE ASSEMBLY PER PCSO STD. DWG. W1070
  - ⑥ INSTALL 6" COMMERCIAL PIPE HYDRANT PER PCSO STD. DWG. W1060
  - ⑦ INSTALL 12" DOUBLE DETECTION CHECK ASSEMBLY PER PCSO STD. DWG. W1140 MODIFIED WITH 12" PIPING, FITTINGS AND APPURTENANCES.
  - ⑧ INSTALL 18"x18"x18" (CLASS 300) CASTLE IRON FULLY FLANGED TEE.
  - ⑨ INSTALL 12" FIRE SERVICE
  - ⑩ INSTALL 18" BUTTERFLY VALVE PER PCSO STD. DWG. W1030
  - ⑪ INSTALL 18" (CLASS 300 8.1) 11.25" CUBIC FITTING PER PCSO STANDARDS
  - ⑫ INSTALL 18"x18"x18" (CLASS 300) CASTLE IRON TEE
  - ⑬ INSTALL 18"x18"x18" (CLASS 300) CASTLE IRON FULLY FLANGED TEE
  - ⑭ PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14

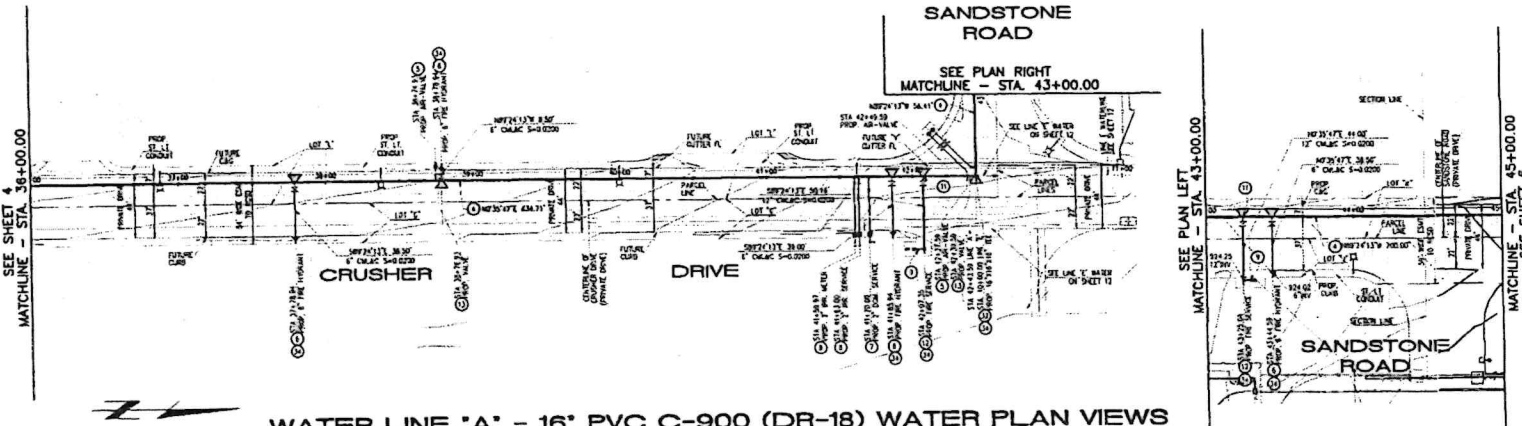
<p>48 hours BEFORE excavation (800) 227-2600 CALL Underground Service Alert</p>	<p>DESIGN AND CONSTRUCTION OF THE WATER SYSTEM FOR PAR. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM. THE DESIGN AND CONSTRUCTION OF THIS WATER MAIN AND ITS APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.</p>	<p>APPROVED BY THE SERVICES DISTRICT DIRECTOR OF ENGINEERING AND PLANNING DATE: 10/15/2022</p>	<p>REPRODUCED/COMMUNITY SERVICES DISTRICT 14349 FAYETTE BOULEVARD LA MESA, CALIFORNIA 92040 TEL: 619-444-2000 WWW.RUBIDOUXCOMMUNITYSERVICESDISTRICT.COM</p>	<p>REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA No. 48350</p>	<p>THIENES ENGINEERING, INC. CIVIL ENGINEERING &amp; LAND SURVEYING 14349 FAYETTE BOULEVARD LA MESA, CALIFORNIA 92040 PH: 619-444-2000 WWW.THIENESENGINEERING.COM</p>	<p>APPROVED BY: [Signature] REGISTERED ENGINEER No. 26153 DATE: 10/15/2022</p>	<p>SCALE: 1" = 40'</p> <p>FIELD BOOK</p> <p>DESIGN: M.R.</p> <p>DRAWN: O.T.</p> <p>CHECKED: R.S.</p>	<p>RUBIDOUX COMMUNITY SERVICES DISTRICT WATER IMPROVEMENT PLAN FOR PARCEL MAP NO. 37528 LINE "A" PLAN &amp; PROFILE STA. 28+00.00 TO STA. 36+00.00</p>	<p>SHEET <b>4</b> OF 18 SHEETS R.C.S.D. PLAN N.</p>




WATER LINE "A" - 16" PVC C-900 (DR-18) WATER PROFILE

PROFILE SCALE:  
VERT. - 1" = 4'  
HORIZ. - 1" = 40'

- WATER CONSTRUCTION NOTES:**  
NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY DEPTH AND LOCATION. DESIGNER OF RECORD SHALL BE NOTIFIED OF ANY OCCURRENCES.
- INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER RCSD STANDARDS, WITH THRUST BLOCK ASSEMBLY PER RCSD STD. DWG. C40. TRENCH AND BACKFILL PER RCSD STD. DWG. C20.
  - INSTALL 2" AIR VALVE ASSEMBLY PER RCSD STD. DWG. W1070.
  - INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCSD STD. DWG. W1050.
  - INSTALL 1" DOMESTIC WATER SERVICE, METER AND METER BOX (COMPLETE) PER RCSD STD. DWG. W1110 & 2" BACKFLOW PER RCSD STD. DWG. W1120.
  - INSTALL 1" IRRIGATION WATER SERVICE, METER AND METER BOX (COMPLETE) PER RCSD STD. DWG. W1110 & 2" BACKFLOW PER RCSD STD. DWG. W1120.
  - INSTALL 12" DOUBLE DETECTOR CHECK ASSEMBLY PER RCSD STD. DWG. W1140.
  - INSTALL 12" DOUBLE DETECTOR CHECK ASSEMBLY PER RCSD STD. DWG. W1140. ROOTED WITH 12" PIPING, FITTINGS AND APPURTEANCES.
  - INSTALL 16"x18"x16" (CLASS 300 DUCTILE IRON) FULLY FLANGED TEE.
  - INSTALL 12" FIRE SERVICE.
  - INSTALL 16" BUTTERFLY VALVE PER RCSD STD. DWG. W1030.
  - INSTALL 16"x18"x16" (CLASS 300 DUCTILE IRON) TEE.
  - INSTALL THRUST BLOCK RESTRAINT PER RCSD STD. DWG. C40.
  - PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.



WATER LINE "A" - 16" PVC C-900 (DR-18) WATER PLAN VIEWS

 48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P.L. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RIBUDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, CONDUIT AND DISTRIBUTION SYSTEM WILL BE INSTALLED TO SUPPLY WATER SERVICE TO SAID PARCELS AND THAT THIS DISTRIBUTION DESIGN AND CONDUIT SIZE IS THE SUPPLY WATER TO SAID PARCELS AT THE SPECIFIC QUANTITIES, FLOWS, AND PRESSURES AS INDICATED THEREON.

Chubasco Community Services District  
Civil Engineering - Civil-Trade Division  
Lafayette, Kansas Valley, CA 92579  
Project: Water Improvement for Equipment  
Contact: [Redacted]  
Date: 03/23/2022

APPROVED BY THE RIBUDOUX COMMUNITY SERVICES DISTRICT FOR THE PROJECT:  
[Signature]  
DATE: [Redacted]  
DIRECTOR OF ENGINEERING  
ACE 432300000  
VOID AFTER ONE YEAR FROM THIS DATE



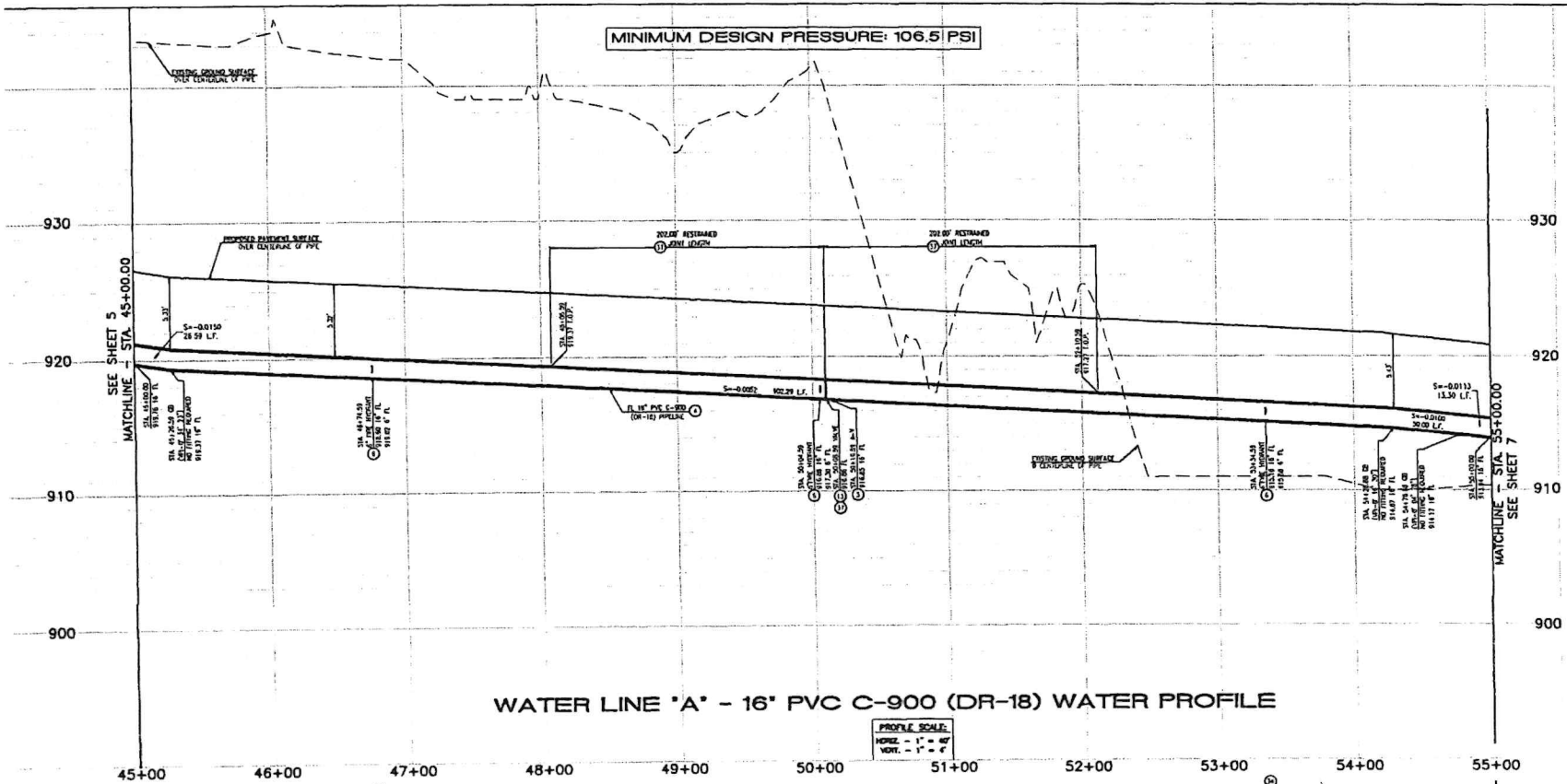
**Tai** Thienes Engineering, Inc.  
CIVIL ENGINEERING • LAND SURVEYING  
14340 FIRESTONE BOULEVARD  
LA BURENA, CALIFORNIA 92508  
PH: (951) 421-1111 FAX: (951) 421-1111

APPROVED BY: [Signature]  
REGISTERED ENGINEER No. 51129 DATE: 3/22/22

SCALE	SCALE: 1"=40'
FIELD BOOK	
DESIGN	N.R.
DRAWN	
CHECKED	R.S.

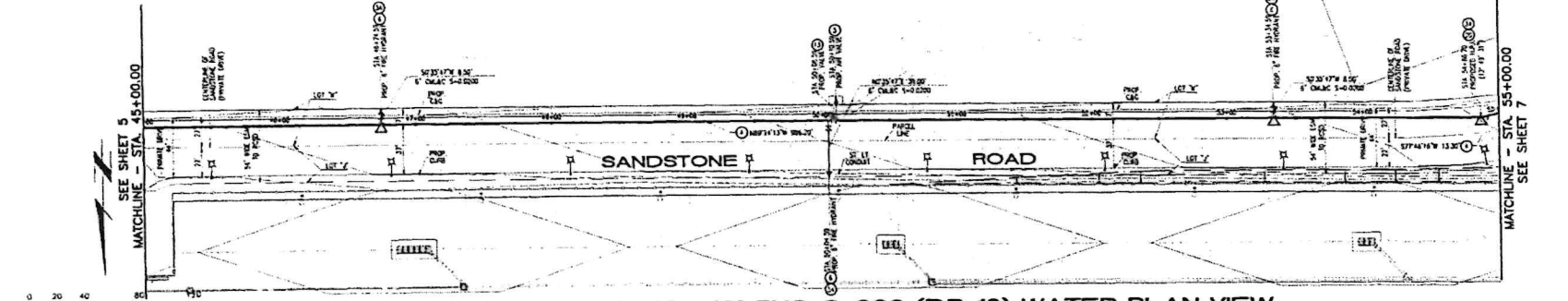
RIBUDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
LINE "A" PLAN & PROFILE  
STA. 36+00.00 TO STA. 45+00.00

SHEET  
**5**  
OF 18 SHEETS  
R.C.S.D. PLAN 1




WATER LINE "A" - 16" PVC C-900 (DR-18) WATER PROFILE

PROFILE SCALE:  
 HORIZ. 1" = 40'  
 VERT. 1" = 4'



WATER LINE "A" - 16" PVC C-900 (DR-18) WATER PLAN VIEW

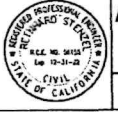
- WATER CONSTRUCTION NOTES:**  
 NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY DEPTH AND LOCATIONS. ELEVATION OF RECORD POINTS BE NOTED IF ANY DISCREPANCIES.
- ① INSTALL 16" PVC C-900 (DR-18) 40' L. WITH PER PCSO STANDARDS, WITH BURIED BLOCK VALVE PER PCSO STD. DWG. G40. TRENCH AND SLOPE PER PCSO STD. DWG. W1010.
  - ② INSTALL 6" AIR VALVE ASSEMBLY PER PCSO STD. DWG. W1010.
  - ③ INSTALL 6" COMMERCIAL FINE MESH PER PCSO STD. DWG. W1000.
  - ④ INSTALL 16" BUTTERFLY VALVE, PER PCSO STD. DWG. W1000.
  - ⑤ INSTALL 16" (CLASS 350) 2" 11.25' STUB FITTING PER PCSO STANDARDS.
  - ⑥ INSTALL BURIED BLOCK VALVE PER PCSO STD. DWG. G40.
  - ⑦ PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.

 48 hours BEFORE excavation  
 (800) 227-2600  
 CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PARCEL 37528 IS IN ACCORDANCE WITH THE DESIGN OF THE WATER SYSTEM MASTER PLAN OF THE RIBUDOIX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, DRAINAGE AND DISTRIBUTION SYSTEM SHALL BE INSTALLED TO SERVE THIS PARCEL IN ACCORDANCE WITH THE CITY OF RIBUDOIX WATER SERVICE, DRAINAGE AND DISTRIBUTION SYSTEM MASTER PLAN. THIS CONTRACTOR DOES NOT WARRANT THAT IT WILL SUPPLY WATER TO SAID PARCEL AT ANY SPECIFIC QUANTITY, FLOW, OR PRESSURE FOR USE FOR ANY OTHER PURPOSE.  
 D. Riboudoux Community Services District  
 121 Engineering Court, Red Bluff, CA 95069  
 License: James Valley, CA 10003  
 Prepared: 1/14/2024  
 Checked: [Signature]  
 Date: 1/14/2024

APPROVED BY THE RIBUDOIX COMMUNITY SERVICES DISTRICT  
 [Signature]  
 DATE: 1/14/2024  
 DIRECTOR OF ENGINEERING  
 RCE 48  
 VOD AFTER ONE YEAR FROM THIS DATE

NO.	REVISIONS	DATE	BY

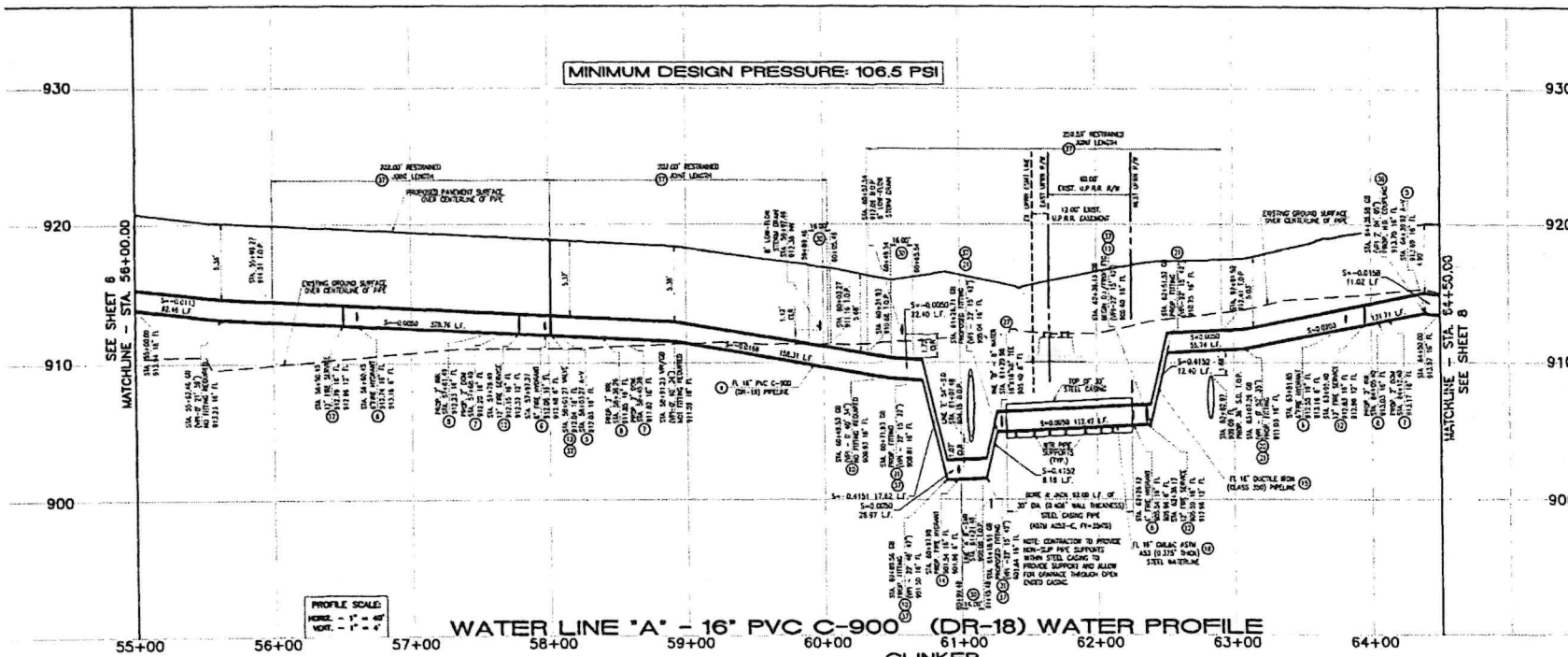


**Thienes Engineering, Inc.**  
 CIVIL ENGINEERING - LAND SURVEYING  
 14245 FIRESTONE BOULEVARD  
 LA MIRADA, CALIFORNIA 90638  
 (562) 261-1111  
 APPROVED BY: [Signature]  
 REGISTERED ENGINEER No. 25153 DATE: 1/14/2024

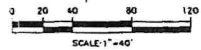
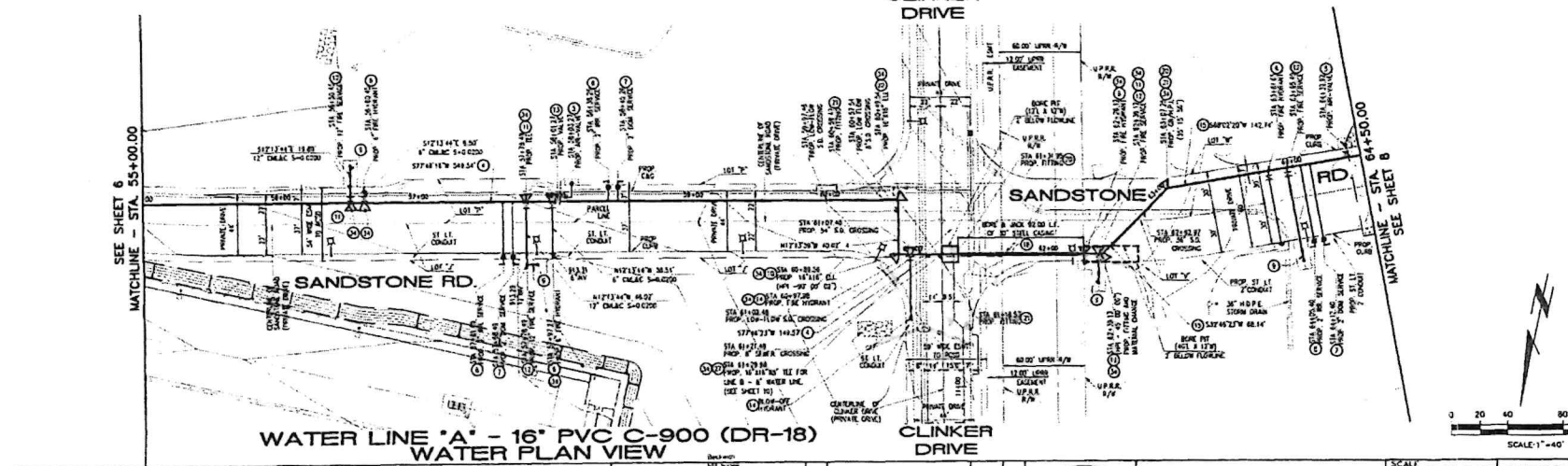
SCALE	SCALE: 1"=40'
FIELD BOOK	
DESIGN	M.R.
DRAWN	G.T.
CHECKED	R.S.

**RIBUDOIX COMMUNITY SERVICES DISTRICT**  
 WATER IMPROVEMENT PLAN FOR  
 PARCEL MAP NO. 37528  
 LINE "A" PLAN & PROFILE  
 STA. 45+00.00 TO STA. 55+00.00

SHEET  
**6**  
 OF 18 SHEETS  
 R.C.S.D. PLAN N



- WATER CONSTRUCTION NOTES:**  
 NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY BARE AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
1. INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER RCSD STANDARDS, WITH THRUST BLOCK (STANDARD) PER RCSD STD. DWG. C40. STRAIGHT AND BACCELL PER RCSD STD. DWG. C50.
  2. INSTALL 2" AIR VALVE ASSEMBLY PER RCSD STD. DWG. W1070
  3. INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCSD STD. DWG. W1030
  4. INSTALL 8" DOMESTIC WATER SERVICE, METER AND METER BOX (COMPLETE) PER RCSD STD. DWG. W1110 & 2" BACKFLOW PER RCSD STD. DWG. W1130
  5. INSTALL 2" IRRIGATION WATER SERVICE, METER AND METER BOX (COMPLETE) PER RCSD STD. DWG. W1110 & 2" BACKFLOW PER RCSD STD. DWG. W1130
  6. INSTALL 1/2" DOUBLE CHECK BACKFLOW CHECK ASSEMBLY PER RCSD STD. DWG. W1140 MODIFIED WITH 1/2" PIPES, FITTINGS AND APPURTENANCES.
  7. INSTALL 16"x16"x1/2" (CLASS 350 DUCTILE IRON) 90° ELBOW.
  8. INSTALL 16"x16"x1/2" (CLASS 350 DUCTILE IRON) FULLY FLANGED TEE.
  9. INSTALL 12" FIRE SERVICE.
  10. INSTALL 18" BUTTERFLY VALVE PER RCSD STD. DWG. W1030
  11. INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCSD STD. DWG. W1030 (AS A LOW-POINT SYSTEM BLOW-OFF)
  12. INSTALL 16" DUCTILE IRON (CLASS 350) WATER MAIN PER RCSD STANDARDS, WITH BOLTED FLANGE PRESSURE-TIGHT JOINTS PER RCSD STD. DWG. W1240 TRENCH AND BACCELL PER RCSD STD. DWG. C50.
  13. JACK AND BORE 30" DIA. (0.006" WALL THICKNESS) STEEL CASING (ASTM A232-C 77-35 AS) PER UNIFORM TRENCHING SPECIFICATIONS. SEE UPPER DRAWING FOR REINFORCEMENT ON SHEET 1 AND LOCUS AGREEMENT (PAGES 11-18). INSTALL 16" DIAM. ASTM A53 (3557) TRACER WATER MAIN WITH WELDED JOINTS AND TRANSITION COUPLERS TO GO FROM PVC TO STEEL AND STEEL TO DUCTILE IRON.
  14. INSTALL 16" (CLASS 350 D.I.) 45° ELBOW FITTING PER RCSD STANDARDS.
  15. INSTALL 16" (CLASS 350 D.I.) 12.5° ELBOW FITTING PER RCSD STANDARDS.
  16. INSTALL 16"x16"x1/2" (CLASS 350 DUCTILE IRON) TEE.
  17. CONTRACTOR TO AVOID PLACING PIPE JOINTS IN THIS SPAN.
  18. INSTALL THRUST BLOCK RESTRAINT PER RCSD STD. DWG. C40.
  19. INSTALL 18" D.I. HIGH DEFLECTION COUPLER.
  20. PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.



48 hours BEFORE excavation  
 (800) 227-2600  
 CALL Underground Service Alert

DESIGNER: Rubidoux Community Services District  
 501 Engineering, 1311 1/2nd Street  
 Lakeland, Arizona Valley, CA 91509  
 PROJECT NO. 14-00000-02  
 SHEET NO. 7 OF 10 SHEETS

APPROVED BY THE SUPERVISOR/PROFESSIONALITY SERVICES DISTRICT PROJECT COORDINATOR  
 DATE: 11/11/2014  
 PROJECT NO. 14-00000-02  
 SHEET NO. 7 OF 10 SHEETS

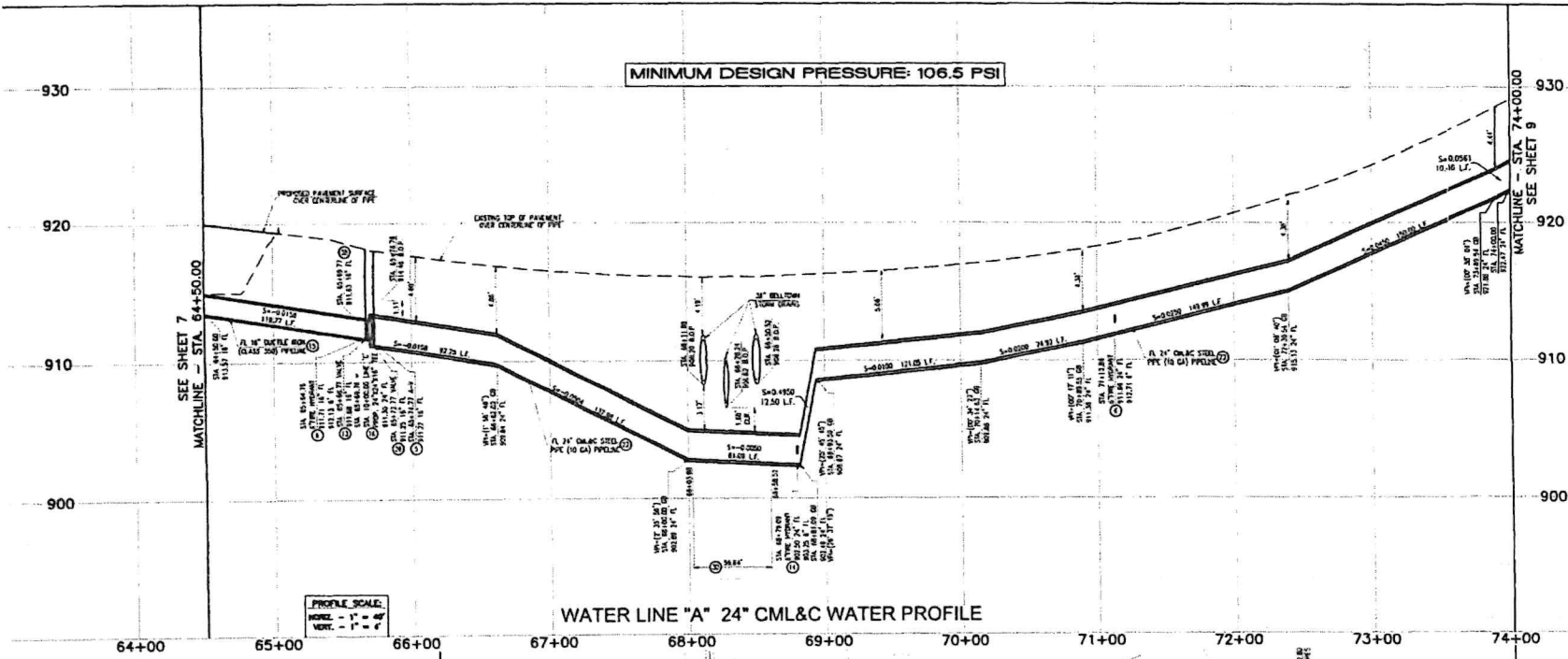
**Thienes Engineering, Inc.**  
 CIVIL ENGINEERING + LAND SURVEYING  
 14140 FIRESTONE ROAD, SUITE 100  
 LA BERRA, CALIFORNIA 92538  
 PH: 951-251-1111 FAX: 951-251-1112  
 www.thienes.com

REGISTERED ENGINEER No. 55152 DATE: 11/11/2014

SCALE: 1"=40'	RUBIDOUX COMMUNITY SERVICES DISTRICT WATER IMPROVEMENT PLAN FOR PARCEL MAP NO. 37528 <b>LINE "A" PLAN &amp; PROFILE</b> STA. 55+00.00 TO STA. 64+50.00	SHEET <b>7</b> OF 10 SHEETS R.C.S.D. PLAN No.
FIELD BOOK		
DESIGN: M.R.		
CHECKED: R.S.		

Line Number: 14/00000-02  
 0:\14000-0001\14000000-02.dwg



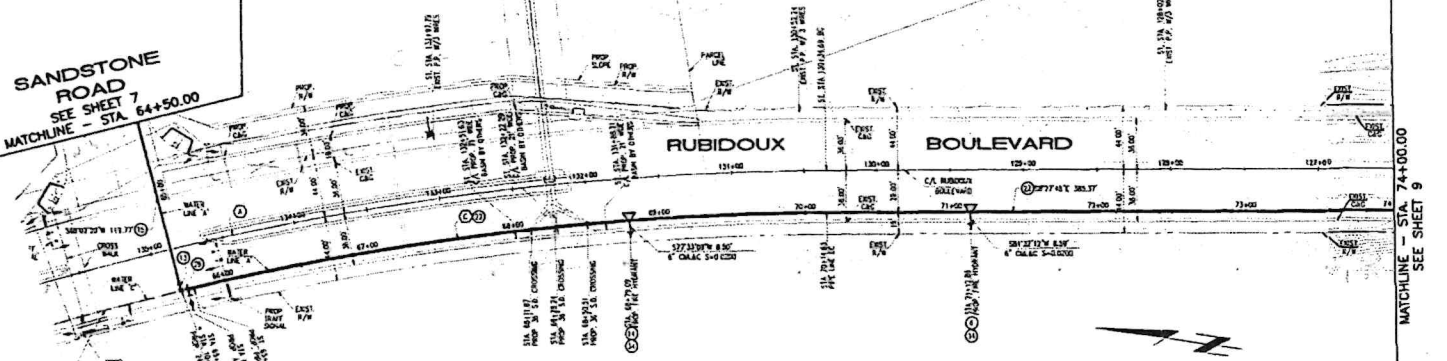


MINIMUM DESIGN PRESSURE: 106.5 PSI

PROFILE SCALE:  
HORIZ. - 1" = 40'  
VERT. - 1" = 4'

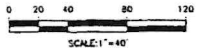
WATER LINE "A" 24" CML&C WATER PROFILE

SANDSTONE ROAD  
SEE SHEET 7  
MATCHLINE - STA. 64+50.00



WATER LINE "A" - 24" CML&C WATER PLAN VIEW

RUBIDOUX ROAD CENTERLINE CURVE TABLE					RUBIDOUX BLVD PIPE CENTERLINE CURVE TABLE				
CURVE #	DELTA	RADIUS	LENGTH	TANGENT	CURVE #	DELTA	RADIUS	LENGTH	TANGENT
1	237.37°	2000.00'	818.44'	412.24'	2	172.53°	1971.00'	444.86'	223.38'



**WATER CONSTRUCTION NOTES**

- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY ROUTES AND LOCATIONS. DIAMETER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
1. INSTALL 2" AIR VALVE ASSEMBLY PER RCSD STD. DWG. W1070
  2. INSTALL 6" COMMERCIAL PIPE HYDRANT PER RCSD STD. DWG. W1060
  3. INSTALL 18" BUTTERFLY VALVE PER RCSD STD. DWG. W1030
  4. INSTALL 6" COMMERCIAL FIRE HYDRANT PER RCSD STD. DWG. W1060 (AS A LOW-POINT SYSTEM BLOW-OFF)
  5. INSTALL 4" QUINCE IRON (CLASS 3000) WATER MAIN PER RCSD STANDARDS, WITH BRASS FULL RESTRICTION JOINTS PER RCSD STD. DWG. W1240. TRENCH AND BACKFILL PER RCSD STD. DWG. C200.
  6. INSTALL 24" HEAVY GALV. PLATED STEEL FEE PER RCSD STANDARDS, FULLY WELDED RESTRICTION JOINTS PER RCSD STD. DWG. W1240. TRENCH AND BACKFILL PER RCSD STD. DWG. C200.
  7. INSTALL 24" BUTTERFLY VALVE PER RCSD STD. DWG. W1030
  8. CONTRACTOR TO AVOID PLACING PIPE JOINTS IN THIS SPAN
  9. INSTALL BRUSH BLOCK RESTRICTION PER RCSD STD. DWG. C40.
  10. PROVIDE 18" ISOLATION COUPLING FROM RIP TO STEEL (FOR CORROSION PROTECTION)

48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PARCEL 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM WATER PLANS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE ADEQUATE TO SUPPLY WATER SERVICE TO SAID PARCELS OF SAID PARCEL MAP. THIS CERTIFICATION DOES NOT GUARANTEE THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ANY SPECIFIC QUANTITIES, FLOWS, OR PRESSURES OR THAT THE SYSTEM WILL BE MAINTAINED.

D. H. HARRIS  
DIRECTOR OF ENGINEERING, RCSD

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT BOARD OF DIRECTORS

DATE: 3/12/22  
PROJECT: 22-001

VOID AFTER ONE YEAR FROM THIS DATE



**Thienes Engineering, Inc.**  
CIVIL ENGINEERING - LAND SURVEYING  
14319 FIRESTONE BOULEVARD  
LA MIRADA, CALIFORNIA 90638  
PH: 714-261-1111 FAX: 714-261-1112

APPROVED BY: [Signature]  
REGISTERED ENGINEER No. 25125 DATE: 3/12/22

SCALE	SCALE: 1" = 40'
FIELD BOOK	
DESIGN	M.R.
DRAWN	D.T.
CHECKED	R.S.

RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
LINE "A" PLAN & PROFILE  
STA. 64+50.00 TO STA. 74+00.00

SHEET  
**8**  
OF 18 SHEETS  
R.C.S.D. PLAN N

MINIMUM DESIGN PRESSURE: 106.5 PSI

**BEDROCK NOTE:**

IF BEDROCK IS ENCOUNTERED, BEDROCK SHALL BE REPORTED AT LEAST 1' BELOW PIPE DEPTH AND REVEALED WITH BEST QUALITY SAND AND GRAVEL, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE DISTRICT, PLACED IN PLACE AT 10 PERCENT RELATIVE COMPACTION MINIMUM. TRENCH BOTTOM SHALL BE GRADED FLAT AND FINISHED TO FIVE-FEET AND UNIFORM BEYOND MINIMUM PER TECHNICAL SPECIFICATION SECTION 10-1. PART C. 3. OF REQUIREMENTS WITHIN THE GEOTECHNICAL REPORT. PROTECTED IS NOT SPECIFIED.

**WATER CONSTRUCTION NOTES:**

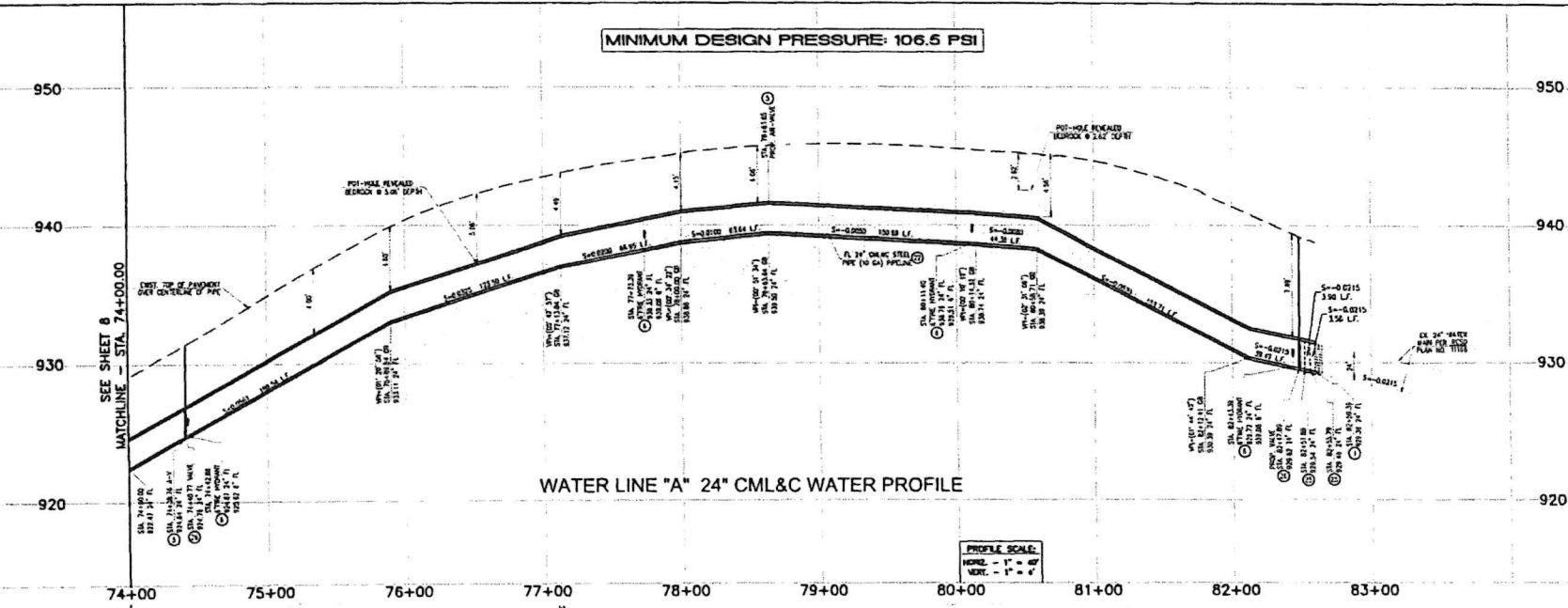
NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY MARKS AND LOCATIONS. CHECKER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.

- ① REMOVE EX. BRASS FLANGE AND CONNECT NEW 24" CALSAC STEEL WATER
- ② INSTALL 2" AIR VALVE ASSEMBLY PER RCSI STD. DWG. W1030
- ③ INSTALL 6" COMMERCIAL FINE HYDRANT PER RCSI STD. DWG. W1030
- ④ INSTALL 24" CALSAC (10'-0") STEEL PIPE WATER MAIN PER RCSI STANDARD FULLY WELDED RESTRAINED JOINTS PER RCSI STD. DWG. W1030 TRENCH AND BACKFILL PER RCSI STD. DWG. W1030
- ⑤ INSTALL 24" CALSAC STEEL 45° ELBOW FITTING PER RCSI STANDARDS
- ⑥ INSTALL 24" BUTTERFLY VALVE PER RCSI STD. DWG. W1030
- ⑦ INSTALL INHIBIT BLOCK RESTRAINT PER RCSI STD. DWG. C40

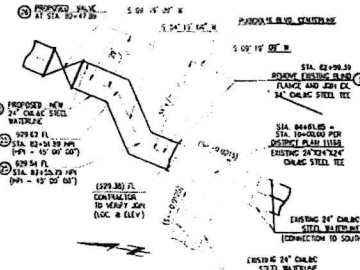
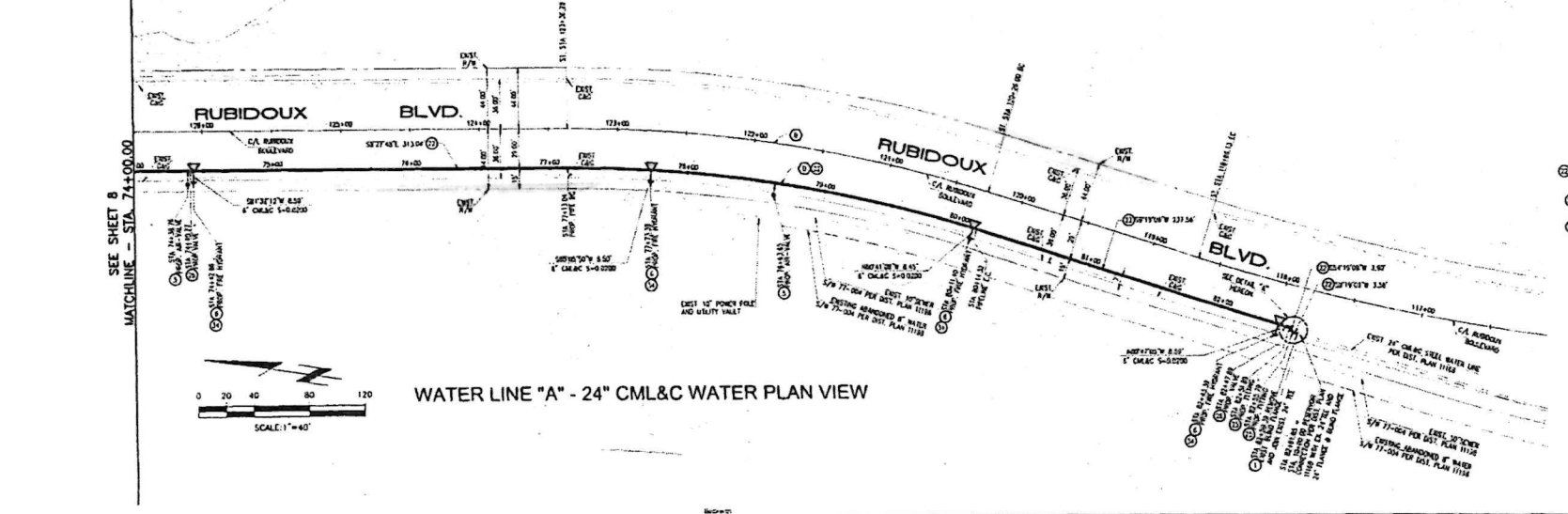
**PROCEDURE FOR JOINING**

1. CONTRACTOR TO INTERVIEW VOLUME OF DEMOLITION REQUIRED FOR EXISTING PIPELINE AND PREPARE AND SUBMIT PLAN FOR DISPOSAL OF EXISTING WASTE TO DISTRICT PRIOR TO SCHEDULING ANY CONSTRUCTION WORK.
2. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING TEE FROM DISTRICT PLAN 11168, SERVING WATER TO THE SOUTH FROM THE RESERVOIR. CONTRACTOR NOTIFY RCSI A FULL 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY AND DRAWN FROM PERMIT AND INSPECTION FROM RCSI 72 HRS TO ANY WORK.
3. CONTRACTOR SHALL INSPECT EXISTING PIPELINE FOR DAMAGE AND REPORT FINDINGS TO ENGINEER AND RCSI.
4. ANY ANTICIPATED SYSTEM DOWNTIME SHALL BE COORDINATED WITH RCSI AND AFFECTED CUSTOMERS TO RCSI'S SATISFACTION AND WITH THEIR CONCURRENCE AND APPROVAL.
5. CONTRACTOR SHALL MAKE SURE EXISTING VALVES ADJUSTED TO EXISTING TEE AND CLEANING AND PREPARING JOIN LOCATION PER RCSI STANDARDS.
6. ONCE THE RCSI INSPECTOR IS SATISFIED WITH THE CONDITION OF THE EXISTING PIPELINE AND HAS DETERMINED THAT IT MEETS WITH RCSI STANDARDS FOR JOINTS, THE CONTRACTOR MAY PROCEED UNDER RCSI INSPECTION DIRECTION.

WATER LINE "A" 24" CML&C WATER PROFILE



WATER LINE "A" - 24" CML&C WATER PLAN VIEW



CONNECTION DETAIL "A" SCALE: 1/2" = 1'-0"

RUBIDOUX BLVD CENTERLINE CURVE TABLE			
CURVE #	DELTA	RADIUS	LENGTH - TANGENT
①	174°42'	1500.00'	310.25' - 136.40'

RUBIDOUX BLVD PVE CENTERLINE CURVE TABLE			
CURVE #	DELTA	RADIUS	LENGTH - TANGENT
①	174°42'	1415.00'	301.25' - 131.85'

48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert!

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR # 18 37528 & IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLANS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, SERVICE AND CONNECTIONS SHOWN HEREON WILL BE ACCORDING TO SUPPLY WATER SERVICE TO SAID PARCELS AND THAT SPECIFIC QUANTITIES, PLUMBING, OR PRESSURES FOR THE PROTECTION OF SAID PARCELS PURPOSE.

Director of Engineering, RCS 4878

APPROVED BY THE SERVICES DISTRICT

DATE: \_\_\_\_\_

DIRECTOR OF ENGINEERING

VOID AFTER ONE YEAR FROM THIS DATE

**Thienes Engineering, Inc.**  
CIVIL ENGINEERING • LAND SURVEYING  
14240 FORESTSTONE BOULEVARD  
LA BERRA, CALIFORNIA 92038  
PH: 760-241-1111 FAX: 760-241-1112

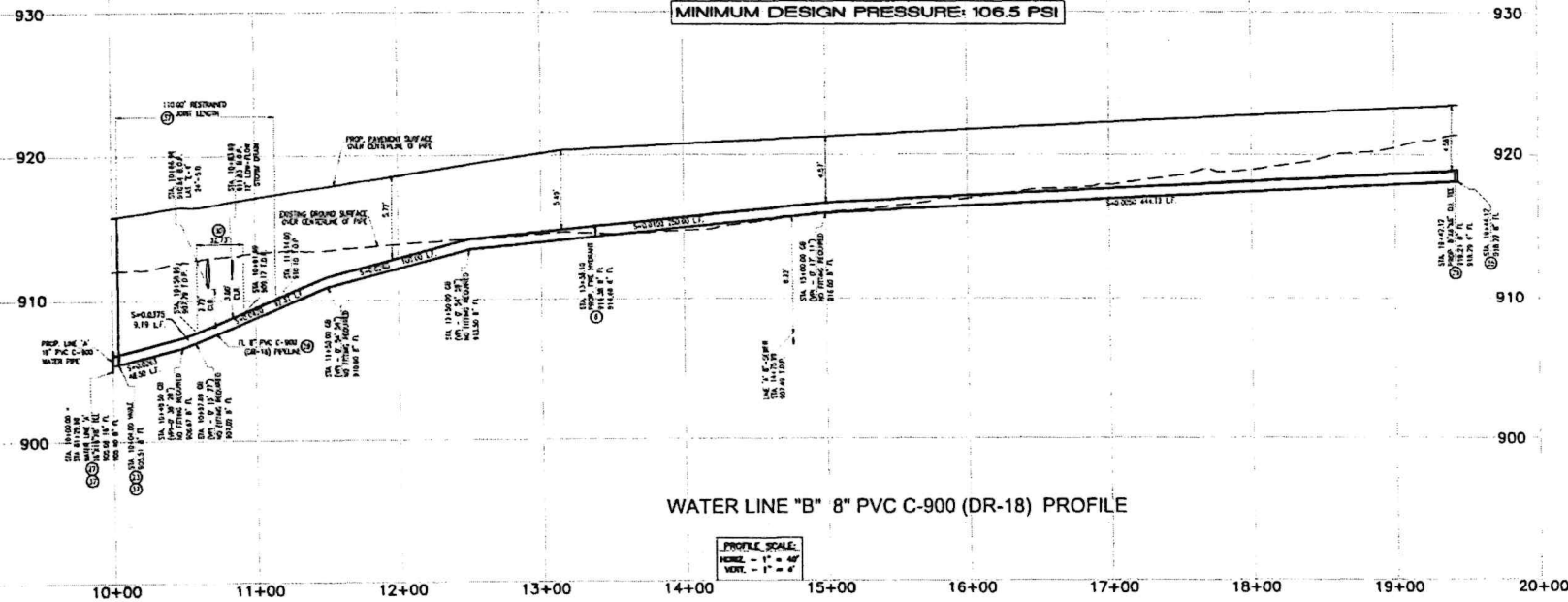
REGISTERED ENGINEER No. 25153 DATE: 1/17/22

SCALE: 1" = 40'  
FIELD BOOK  
DESIGN: M.R.  
DRAWN: D.T.  
CHECKED: R.S.

RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
LINE "A" PLAN & PROFILE  
STA. 74+00.00 TO STA. 82+59.39

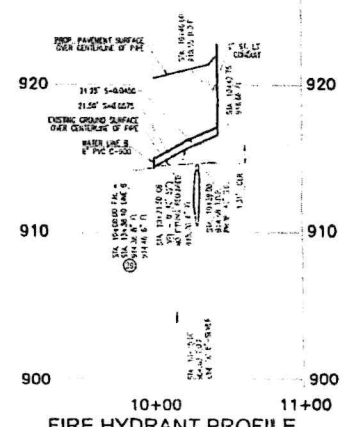
SHEET 9 OF 10 SHEETS  
R.C.S.D. PLAN N

MINIMUM DESIGN PRESSURE: 106.5 PSI

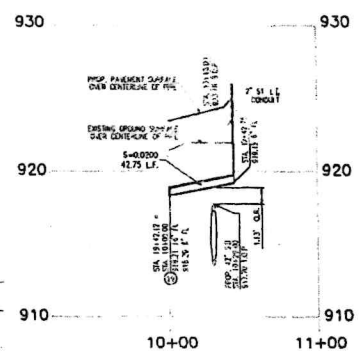


WATER LINE "B" 8" PVC C-900 (DR-18) PROFILE

PROFILE SCALE:  
 HORIZ. - 1" = 40'  
 VERT. - 1" = 4'

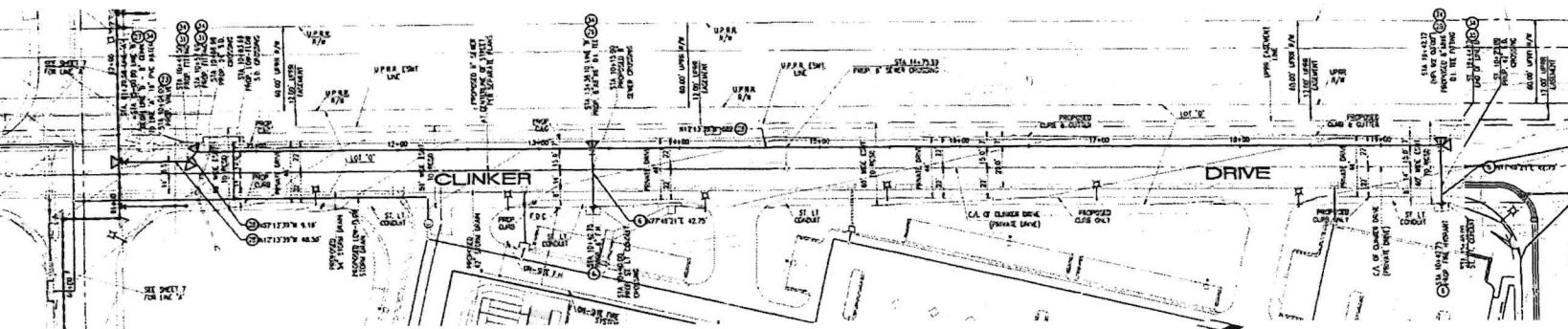


FIRE HYDRANT PROFILE  
 STA. 13+38.10 LINE B



FIRE HYDRANT PROFILE  
 STA. 19+42.12 LINE B

SANDSTONE ROAD



WATER LINE "B" - 8" PVC C-900 (DR-18) PLAN VIEW

SANDSTONE ROAD

**WATER CONSTRUCTION NOTES:**

- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY INVERT AND LOCATIONS. EXISTENCE OF RECORDS SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- 1) INSTALL 6" COMMERCIAL FIRE HYDRANT PER IFCSD STD. DMC W1050
  - 2) INSTALL 8" GATE VALVE PER PER IFCSD STD. DMC W1025
  - 3) INSTALL 18"x18"x4" CLASS 300 DUCTILE IRON TEE
  - 4) INSTALL 8" PVC C-900 (DR-18) WATER MAIN PER IFCSD STANDARDS WITH THROTTLE BLOCK RESTRICTOR PER IFCSD STD. DMC G10. BACKFILL PER IFCSD STD. DMC C20
  - 5) INSTALL 8"x24"x4" CLASS 350 DUCTILE IRON TEE
  - 6) CONTRACTOR TO AVOID PLACING PIPE JOINTS IN THIS SPAN
  - 7) INSTALL 8"x8" CLASS 350 DUCTILE IRON 45° ELBOW
  - 8) INSTALL THROTTLE BLOCK RESTRICTOR PER IFCSD STD. DMC G10
  - 9) INSTALL 8" DI. BLIND FLANGE
  - 10) PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.

48 hours BEFORE excavation  
 (800) 227-2600  
 CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P.B. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLANS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, UTILITY AND SEWERAGE SYSTEM WILL BE ADEQUATE TO SUPPLY WATER SERVICE TO SAID PARCELS AND THAT THE DISTRIBUTION LINES ARE CONFORMANT WITH THE WATER SERVICE AND SEWERAGE ACT. THIS CERTIFICATION DOES NOT CONSTITUTE THAT I WILL SAFELY WORK IN SAID PARCELS OF ANY SPECIFIC QUARTERS PLANS, OR PRECEDURES FOR THE PROTECTION OF THE PUBLIC PURPOSE.

DIANE M. THIES  
 Director of Engineering, Civil and Sanitation  
 Rubidoux Community Services District  
 14349 Firestone Boulevard  
 14th Floor  
 Mankato, California 92364  
 Phone: 951-940-1111  
 Fax: 951-940-1112  
 Email: dthies@rubidoux.org  
 Website: www.rubidoux.org

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT  
 DATE: 3/17/22  
 VOD AFTER ONE YEAR FROM THIS DATE



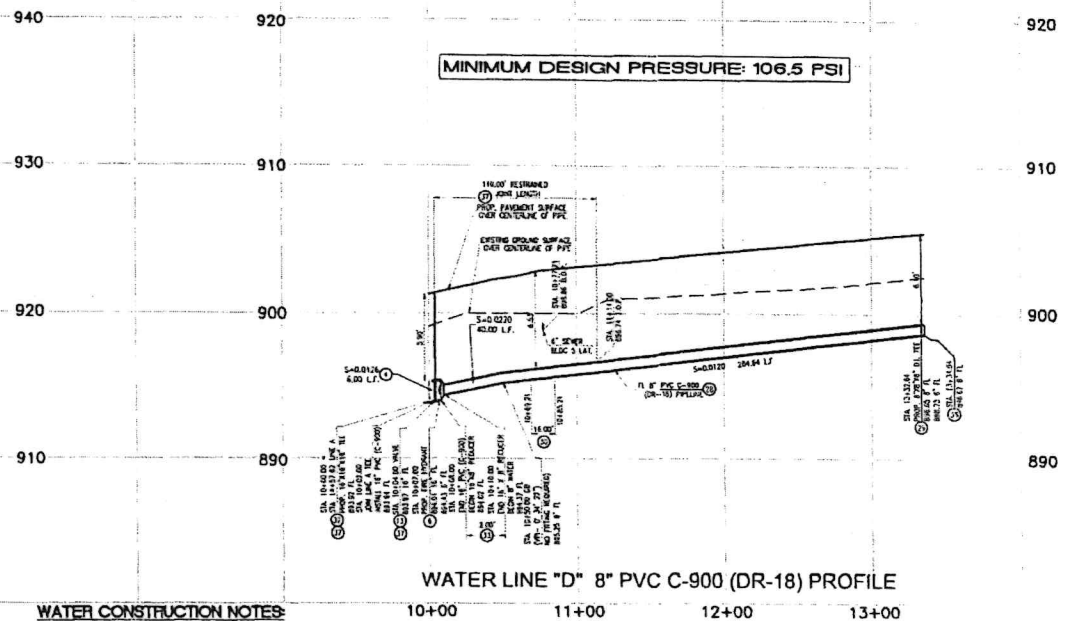
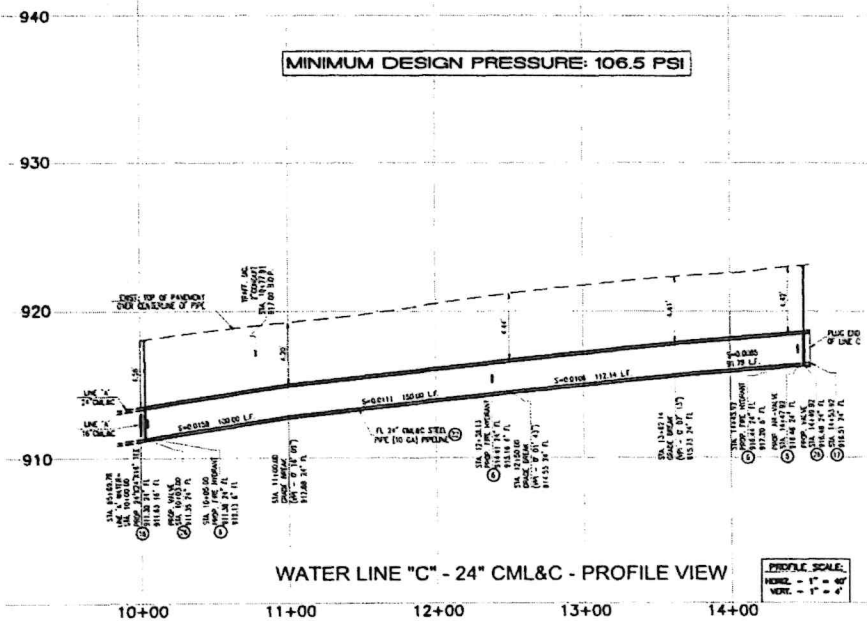
**Thies Engineering, Inc.**  
 CIVIL ENGINEERING • LAND SURVEYING  
 14349 FIRESTONE BOULEVARD  
 14th FLOOR, MANKATO, CALIFORNIA 92364  
 PH: 951-940-1111 FAX: 951-940-1112

APPROVED BY: [Signature]  
 REGISTERED ENGINEER No. 56125 DATE: 3/17/22

SCALE: 1" = 40'  
 FIELD BOOK  
 DESIGN: M.R.  
 DRAWN: D.T.  
 CHECKED: R.S.

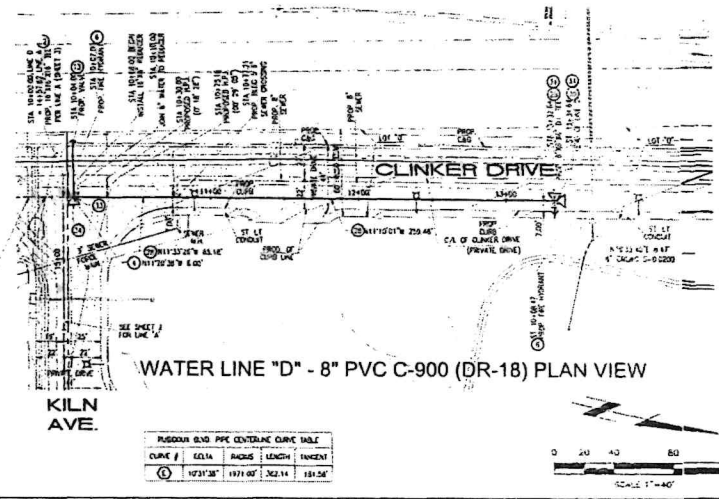
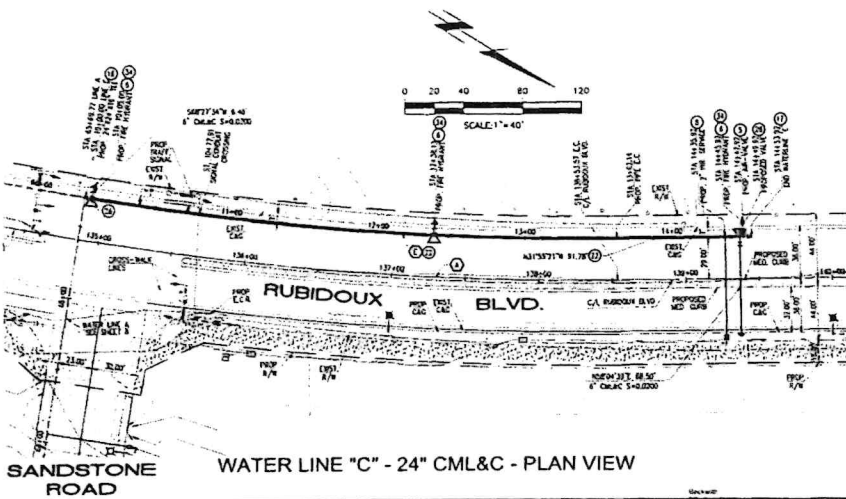
RUBIDOUX COMMUNITY SERVICES DISTRICT  
 WATER IMPROVEMENT PLAN FOR  
 PARCEL NO. 37528  
**LINE "B" PLAN & PROFILE**  
 STA. 10+00.00 TO STA. 19+84.87

SHEET  
**10**  
 OF 18 SHEETS  
 R.C.S.D. PLAN N



**WATER CONSTRUCTION NOTES:**

- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY INVERT AND LOCATIONS. DIMENSION OF RECORDS SHALL BE NOTED IF ANY DISCREPANCIES.
- INSTALL 18" PVC C-900 (DR-18) WATER MAIN PER ACSD STANDARDS, WITH THROUST BLOCK RESTRAINT PER ACSD STD. DWG. C&A TRENCH AND BACKFILL PER ACSD STD. DWG. C&A.
  - INSTALL 2" AIR VALVE ASSEMBLY PER ACSD STD. DWG. W1070.
  - INSTALL 6" COMMERCIAL FIRE WYSIANT PER ACSD STD. DWG. W1000.
  - INSTALL 2" IRREGULAR WATER SERVICE, METER AND WATER BOX (COMPLETE) PER ACSD STD. DWG. W1110 & 2" GASOLINE PER ACSD STD. DWG. W1130.
  - INSTALL 16" BUTTERFLY VALVE PER ACSD STD. DWG. W1030.
  - INSTALL 24"x24"x18" CM&C FLANGED STEEL TEE PER ACSD STANDARDS, TRENCH AND BACKFILL PER ACSD STD. DWG. C&A.
  - INSTALL 24" BUTTERFLY VALVE PER ACSD STD. DWG. W1030.
  - INSTALL 18" PVC C-900 (DR-18) WATER MAIN PER ACSD STANDARDS, WITH THROUST BLOCK RESTRAINT PER ACSD STD. DWG. C&A TRENCH AND BACKFILL PER ACSD STD. DWG. C&A.
  - INSTALL 8"x8"x8" (CLASS 350 DUCTILE IRON) TEE.
  - CONTRACTOR TO AVOID PLACING PIPE JOINTS IN THIS SPAN.
  - INSTALL 18"x18"x18" (CLASS 350 DUCTILE IRON) TEE.
  - INSTALL 16"x8" (CLASS 350 DUCTILE IRON) REDUCER.
  - INSTALL THROUST BLOCK RESTRAINT PER ACSD STD. DWG. C&A.
  - INSTALL 8" O.D. BLIND FLANGE.
  - PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.



RUBIDOUX BLVD. CENTERLINE CURVE TABLE

CURVE #	DELTA	ARC LENGTH	INCHES
1	237°31'	208.00'	818.38'

RUBIDOUX BLVD. PVC CENTERLINE CURVE TABLE

CURVE #	DELTA	ARC LENGTH	INCHES
1	197°38'	197.00'	724.14'

48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P. # 10 37528 IS IN GENERAL ACCORDANCE WITH THE MAJOR SYSTEM WATER PLANS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT, AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE ADEQUATE TO SUPPLY WATER SERVICE TO SAID PARCELS AND THAT THE DEFLECTION DOES NOT GUARANTEE THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ANY SPECIFIC QUANTITIES, FLOWS, OR PRESSURES AND THE DESIGN IS NOT TO BE USED FOR ANY OTHER PURPOSE.

D. Rubidoux Community Services District  
484-L Greenway, Cedar Tree Road, 400  
Los Alamitos, California CA 92550  
Resident: I have reviewed this document  
Contact Info: 562-868-3333  
www.rubidoux.org

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:

DATE: \_\_\_\_\_  
DIRECTION OF ENGINEERING  
P.C.E. 48758

VOID AFTER ONE YEAR FROM THIS DATE

REVISIONS

NO.	DATE	BY

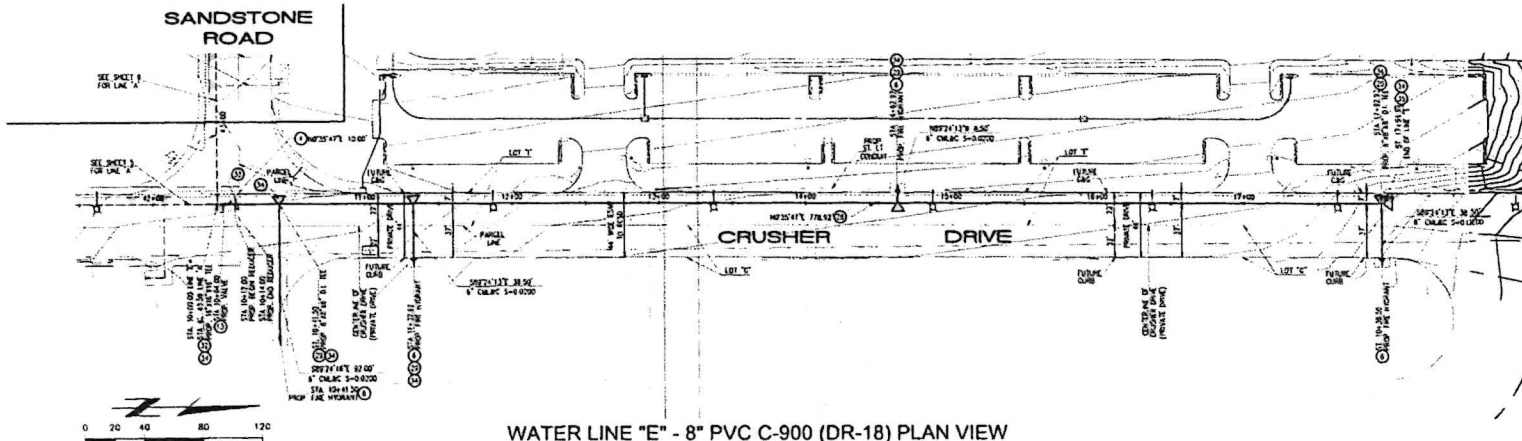
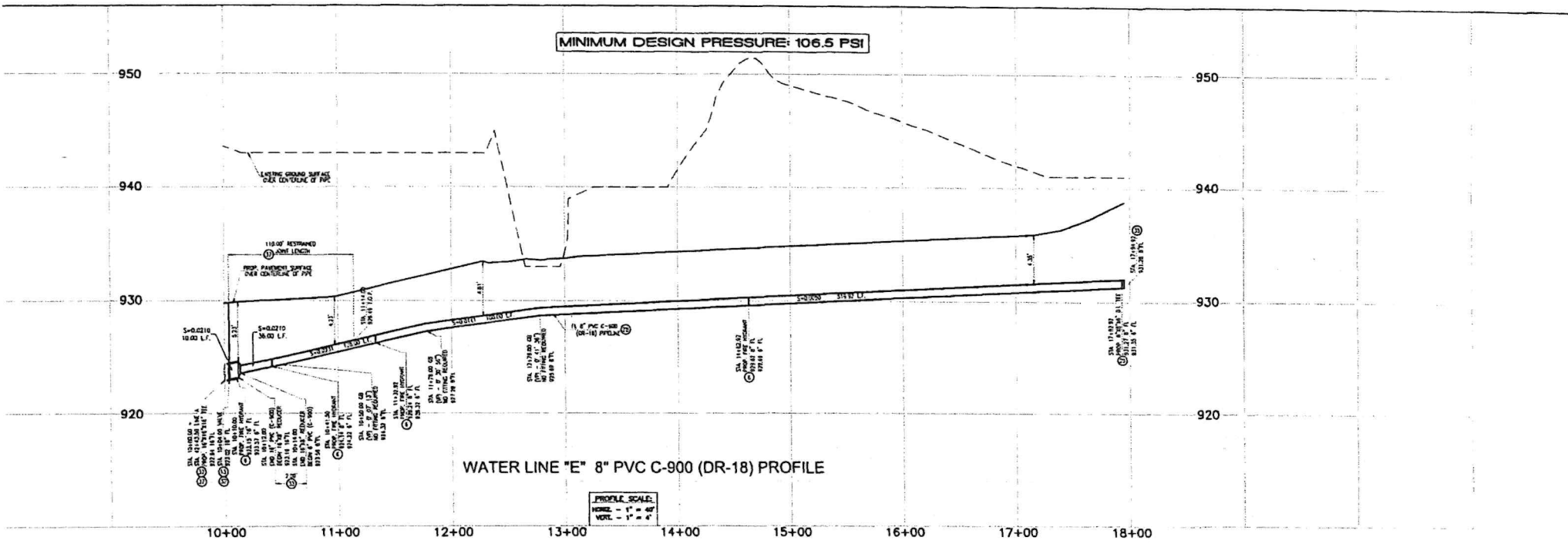
**Thienes Engineering, Inc.**  
ONE ENGINEERING - LAND SURVEYING  
14349 FRIESTONE BOULEVARD  
LA BREA, CALIFORNIA 92530  
INDEPENDENT - FULL LICENSED - 4111

APPROVED BY: *[Signature]*  
REGISTERED ENGINEER No. 28125 DATE: 12/17/22

SCALE: SCALE: 1" = 40'  
FIELD BOOK

RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
LINE "C" PLAN & PROFILE  
STA. 10+00.00 TO STA. 14+53.92  
LINE "D" PLAN & PROFILE  
STA. 10+00.00 TO STA. 13+11.11

SHEET  
**11**  
OF 18 SHEETS  
R.C.S.D. PLAN N



- WATER CONSTRUCTION NOTES:**
- NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITIES AND LOCATIONS. DIMENSION OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- 1) INSTALL 16" PVC C-900 (DR-18) WATER MAIN PER PCSO STANDARDS, WITH THRUST BLOCK RESTRAINT PER PCSO STD. 140. C&G TRENCH AND BACKFILL PER PCSO STD. 140. C&G.
  - 2) INSTALL 6" COMMERCIAL FIRE HYDRANT PER PCSO STD. 010. W/ISO.
  - 3) INSTALL 16" BUTTERFLY VALVE PER PCSO STD. 010. W/ISO.
  - 4) INSTALL 8" PVC C-900 (DR-18) WATER MAIN PER PCSO STANDARDS, WITH THRUST BLOCK RESTRAINT PER PCSO STD. 140. C&G TRENCH AND BACKFILL PER PCSO STD. 140. C&G.
  - 5) INSTALL 8"x8"x16" (CLASS 350 DUCTILE IRON) TEE.
  - 6) INSTALL 16"x16"x16" (CLASS 350 DUCTILE IRON) TEE.
  - 7) INSTALL 16"x8" (CLASS 350 DUCTILE IRON) REDUCER.
  - 8) INSTALL THRUST BLOCK RESTRAINT PER PCSO STD. 140. C&G.
  - 9) INSTALL 6" O.D. BLIND FLANGE.
  - 10) PROVIDE JOINT RESTRAINT PER DETAILS ON SHEET 14.

48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR PAR. NO. 37528 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLANS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE ADEQUATE TO SUPPLY WATER SERVICE TO SAID PARCELS OF SAID PARCEL MAP. THIS CERTIFICATION DOES NOT GUARANTEE THAT IF ILL SUPPLY WATER TO SAID PARCELS AT ANY SPECIFIC QUANTITIES, FLOWS OR PRESSURES FOR THE PURPOSES OF THE PROJECTS SET FORTH HEREIN.

D. Rubidoux Community Services District  
Civil Engineering - Civil Line Branch  
Location: 3800 S. VINTAGE, CA 95073  
Phone: (916) 938-1100  
Fax: (916) 938-1100

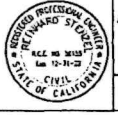
DIRECTOR OF ENGINEERING, RCE 4878

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT FOR CONSTRUCTION:

DATE: \_\_\_\_\_  
RCE 4878

VOID AFTER ONE YEAR FROM THIS DATE

NO.	REVISIONS	DATE	BY



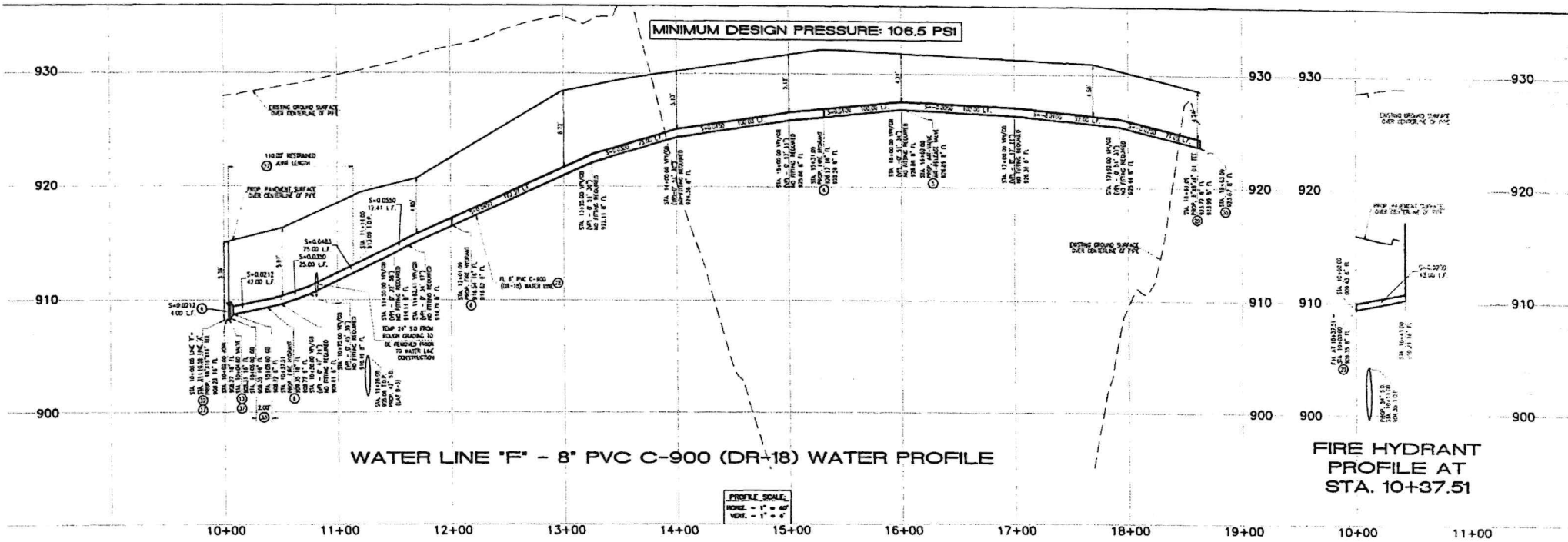
**Thienes Engineering, Inc.**  
CIVIL ENGINEERING - LAND SURVEYING  
14349 FORESTONE BOULEVARD  
LA BREA, CALIFORNIA 90009  
PH: (310) 511-1111  
FAX: (310) 511-1112

APPROVED BY: *[Signature]*  
REGISTERED ENGINEER No. 52152 DATE: 3/17/22

SCALE: 1" = 40'
FIELD BOOK
DESIGN: M.R.
DRAWN: D.T.
CHECKED: R.S.

**RUBIDOUX COMMUNITY SERVICES DISTRICT**  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
**LINE "E" PLAN & PROFILE**  
STA. 10+00.00 TO STA. 18+31.92

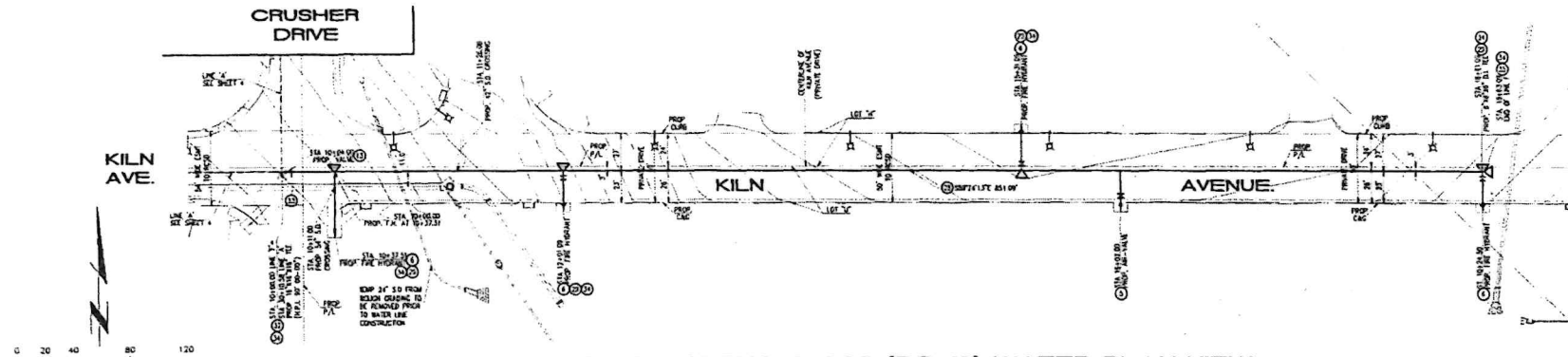
SHEET  
**12**  
OF 18 SHEETS  
R.C.S.D. PLAN N



WATER LINE "F" - 8" PVC C-900 (DR-18) WATER PROFILE

FIRE HYDRANT PROFILE AT STA. 10+37.51

PROFILE SCALE:  
HORIZ. - 1" = 40'  
VERT. - 1" = 4'



WATER LINE "F" - 8" PVC C-900 (DR-18) WATER PLAN VIEW

**WATER CONSTRUCTION NOTES:**

NOTE: CONTRACTOR TO VERIFY ALL EXISTING UTILITY DEWETS AND LOCATIONS. ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES.

- 1) INSTALL 18" PVC C-900 (DR-18) WATER MAIN PER R250 STANDARDS WITH THRUST BLOCK (REQUIRED FOR R250 STD. C&G TRENCH AND BACKFILL PER R250 STD. C&G, C&G)
- 2) INSTALL 2" AIR VALVE ASSEMBLY PER R250 STD. DWG. W1070
- 3) INSTALL 6" COMMERCIAL FIRE HYDRANT PER MESS STD. DWG. W1060
- 4) INSTALL 1/2" BUTTERFLY VALVE PER R250 STD. DWG. W1030
- 5) INSTALL 8" PVC C-900 (DR-18) WATER MAIN PER R250 STANDARDS WITH THRUST BLOCK (REQUIRED FOR R250 STD. C&G TRENCH AND BACKFILL PER R250 STD. C&G, C&G)
- 6) INSTALL 18" (18"x18") SOLID 300 DIAMETER ROUND TEE
- 7) INSTALL 18" (18"x18") SOLID 300 DIAMETER ROUND TEE
- 8) INSTALL 1/2" (1/2"x1/2") CLASS 300 DUCTILE IRON REDUCER
- 9) INSTALL THRUST BLOCK RESTRAINT PER MESS STD. DWG. 640
- 10) INSTALL 4" O1 BEND FLANGE
- 11) PROVIDE 400# RESTRAINT PER R250S 04-16EET 14

48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR #10 107228 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEMS SHALL BE SUBJECT TO UTILITY FIELD SERVICE TO THE PUBLIC AND THAT THE CONTRACTOR DOES NOT WARRANT THAT IT WILL SUPPLY WATER TO SAID PREMISES AT ANY SPECIFIC QUANTITY, PRESSURE OR PRESSURES OR FOR ANY PARTICULAR PURPOSE.

Director, Rubidoux Community Services District  
City of Joliet, Illinois  
Joliet, Illinois 61760  
Rubidoux Community Services District  
City of Joliet, Illinois  
Joliet, Illinois 61760

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT  
DIRECTOR OF CONSTRUCTION  
DATE: 10/15/22  
DIRECTOR OF ENGINEERING  
DATE: 10/15/22

VOID AFTER ONE YEAR FROM THIS DATE



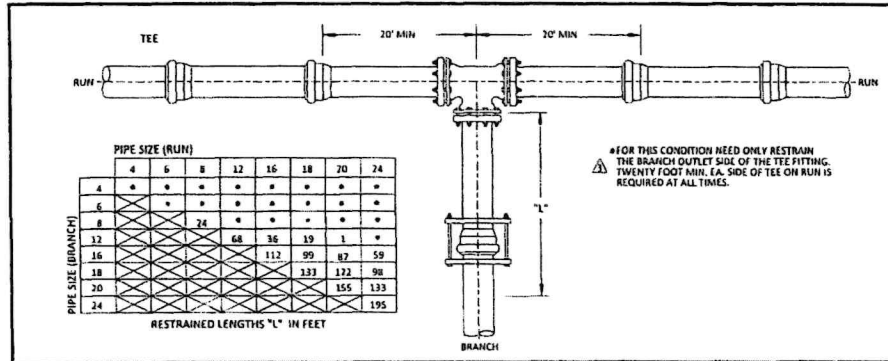
**Thienes Engineering, Inc.**  
CIVIL ENGINEERING - LAND SURVEYING  
14340 FIRESTONE BOULEVARD  
LA MESA, CALIFORNIA 92040  
PH: (619) 271-1111 FAX: (619) 271-1111

APPROVED BY: [Signature]  
REGISTERED ENGINEER No. 56192 DATE: 10/15/22

SCALE: 1" = 40'  
FIELD 800'

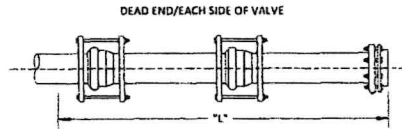
RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
LINE "F" PLAN & PROFILE  
STA. 10+00.00 TO STA. 18+85.59

SHEET 13 OF 18 SHEETS  
R.C.S.D. PLAN NO.



PIPE SIZE (RUN)		4	6	8	12	16	18	20	24
PIPE SIZE (BRANCH)	4	*	*	*	*	*	*	*	*
	6	*	*	*	*	*	*	*	*
	8	*	*	*	*	*	*	*	*
	12	*	*	24	*	*	*	*	*
	16	*	*	68	36	19	1	*	*
	18	*	*	112	99	87	59	*	*
	20	*	*	133	122	98	*	*	*
	24	*	*	156	133	*	*	*	*

RESTRAINED LENGTHS "L" IN FEET

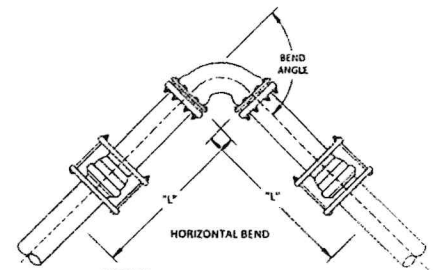


PIPE SIZE		4	6	8	12	16	18	20	24
		59	84	110	156	202	223	245	287

RESTRAINED LENGTHS "L" IN FEET

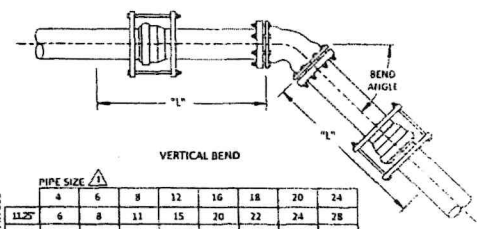
**RESTRAINT JOINT LENGTHS USAGE GENERAL NOTES**

1. ALL JOINTS WITHIN LENGTH "L" MUST BE RESTRAINED.
2. FOR TEE RESTRAIN BOTH RUN-SIDE JOINTS AND INSTALL A FULL LENGTH OF PIPE ON EACH SIDE OF BRANCH.
3. FORTY-EIGHT (48) INCHES MINIMUM DEPTH OF COVER.
4. A SAFETY FACTOR OF 1.5.
5. SOIL TYPE M1 (INORGANIC SILTS, VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS) PER UNITED SOIL CLASSIFICATION ASTM D 2487.
  - A. NO BEDDING IN GRANULAR MATERIAL.
  - B. NO USE OF PH = 0 PRINCIPAL.
6. PIPE BEDDING PER EMWD STANDARD DRAWINGS B-286B AND B-408.
7. TEST PRESSURE 225 PSI.
8. IF ACTUAL CONDITIONS DIFFER FROM THOSE LISTED ABOVE OR THE REQUIRED RESTRAINED LENGTH CANNOT BE MET, THE RESTRAINED LENGTH SHALL BE DETERMINED BY THE DESIGN ENGINEER AND APPROVED BY THE DISTRICT ENGINEER.



PIPE SIZE		4	6	8	12	16	18	20	24
BEND ANGLE	11.25°	2	3	4	6	8	9	10	11
	22.5°	5	7	9	13	16	18	19	23
	45°	10	14	19	26	34	37	40	47
		25	34	45	63	81	89	98	113

RESTRAINED LENGTHS "L" IN FEET



PIPE SIZE		4	6	8	12	16	18	20	24
BEND ANGLE	11.25°	6	8	11	15	20	22	24	28
	22.5°	12	17	22	31	40	44	49	57
	45°	25	35	46	65	84	92	102	119

RESTRAINED LENGTHS "L" IN FEET

ALL VALVES SHOULD BE RESTRAINED ON EACH SIDE AS IF THEY WERE DEAD ENDS (SEE ABOVE)

48 hours BEFORE excavation  
(800) 227-2600  
CALL Underground Service Alert

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR P.M. NO. 37529 IS IN GENERAL ACCORDANCE WITH THE WATER SYSTEM MASTER PLANS OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT, AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE ABLE TO SUPPLY WATER SERVICE TO SAID PARCELS OF SAID PARCEL MAP. THIS CERTIFICATION DOES NOT GUARANTEE THAT IT WILL SUPPLY WATER TO SAID PARCELS AT ANY SPECIFIC QUANTITY, FLOW, OR PRESSURES OR AT ANY PARTICULAR DELIVERY POINT.

Director of Engineering, RCE 4778

APPROVED BY THE RUBIDOUX COMMUNITY SERVICES DISTRICT  
DATE: 11/17/22  
DIRECTOR OF ENGINEERING  
RCE 48 558

VOID AFTER ONE YEAR FROM THIS DATE

REVISIONS

DATE BY

**Thienes Engineering, Inc.**  
CIVIL ENGINEERING & LAND SURVEYING  
14349 FIRESTONE BOULEVARD  
LA MITONIA, CALIFORNIA 92551  
PH: (951) 451-4111 FAX: (951) 451-4112

APPROVED BY: [Signature]  
REGISTERED ENGINEER No. 26153 DATE: 11/17/22

SCALE: 1" = 40'  
FIELD BOOK  
DESIGN: M.R.  
DRAWN: D.T.  
CHECKED: R.S.

RUBIDOUX COMMUNITY SERVICES DISTRICT  
WATER IMPROVEMENT PLAN FOR  
PARCEL MAP NO. 37528  
EMWD STD. B-663  
STANDARDS FOR RESTRAINT CONNECTIONS

SHEET  
**14**  
OF 18 SHEETS  
R.C.S.D. PLAN #







6. **CORRESPONDENCE AND RELATED INFORMATION**

7. **REPORTS**

A. Operations Report (Second Meeting Each Month)

## Water and Wastewater Production Comparison

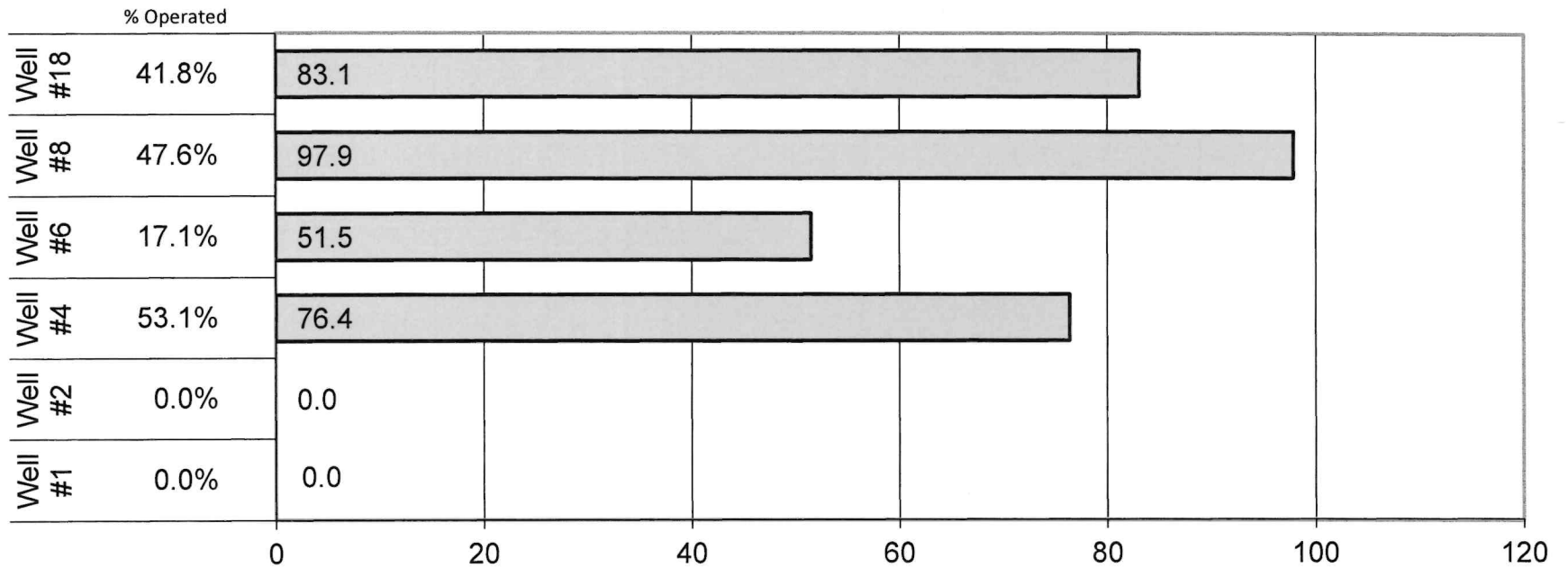
Date	TOTAL WELL PRODUCTION in Million Gallons					Consumption to JURUPA C.S.D.	WASTEWATER FLOW TO RIVERSIDE
	Purchased	Potable	Potable	Non-Potable	Total	(Million Gallons)	(Million Gallons)
		Wells	Total	Wells			
5/1/2024	0.00	2.24	2.24	0.53	2.77	0.00	1.69
5/2/2024	0.00	2.99	2.99	0.16	3.14	0.00	1.75
5/3/2024	0.00	1.79	1.79	0.03	1.82	0.00	1.66
5/4/2024	0.00	2.17	2.17	0.00	2.17	0.00	1.71
5/5/2024	0.00	2.18	2.18	0.01	2.19	0.00	1.70
5/6/2024	0.00	3.38	3.38	0.02	3.40	0.00	1.69
5/7/2024	0.00	3.15	3.15	0.01	3.16	0.00	1.74
5/8/2024	0.00	2.64	2.64	0.01	2.65	0.00	1.76
5/9/2024	0.00	2.26	2.26	0.01	2.27	0.00	1.68
5/10/2024	0.00	3.05	3.05	0.00	3.05	0.00	1.62
5/11/2024	0.00	2.30	2.30	0.00	2.30	0.00	1.79
5/12/2024	0.00	2.81	2.81	0.00	2.81	0.00	1.76
5/13/2024	0.00	4.38	4.38	0.00	4.38	0.00	1.77
5/14/2024	0.00	3.30	3.30	0.00	3.31	0.00	1.80
5/15/2024	0.00	3.10	3.10	0.00	3.11	0.00	1.74
5/16/2024	0.00	2.35	2.35	0.01	2.36	0.00	1.71
5/17/2024	0.00	2.38	2.38	0.00	2.39	0.00	1.65
5/18/2024	0.00	3.10	3.10	0.00	3.10	0.00	1.78
5/19/2024	0.00	3.47	3.47	0.02	3.49	0.00	1.83
5/20/2024	0.00	4.51	4.51	0.02	4.53	0.00	1.81
5/21/2024	0.00	4.12	4.12	0.01	4.13	0.00	1.71
5/22/2024	0.00	3.60	3.60	0.01	3.61	0.00	1.73
5/23/2024	0.00	3.97	3.97	0.01	3.97	0.00	1.74
5/24/2024	0.00	3.09	3.09	0.01	3.09	0.00	1.72
5/25/2024	0.00	3.82	3.82	0.00	3.82	0.00	1.70
5/26/2024	0.00	4.00	4.00	0.02	4.02	0.00	1.63
5/27/2024	0.00	4.16	4.16	0.02	4.18	0.00	1.89
5/28/2024	0.00	4.01	4.01	0.00	4.01	0.00	1.79
5/29/2024	0.00	4.08	4.08	0.01	4.09	0.00	1.75
5/30/2024	0.00	3.61	3.61	0.01	3.62	0.00	1.76
5/31/2024	0.00	3.74	3.74	0.00	3.74	0.00	1.75
MINIMUM	0.00	1.79	1.79	0.00	1.82	0.00	1.62
AVERAGE	0.00	3.22	3.22	0.03	3.25	0.00	1.73
MAXIMUM	0.00	4.51	4.51	0.53	4.53	0.00	1.89
TOTAL	0.00	99.72	99.72	0.94	100.66	0.00	53.77

**RUBIDOUX COMMUNITY SERVICES DISTRICT**  
**MONTHLY WELL PRODUCTION**  
(Million Gallons)

DATE	POTABLE WATER							NONPOTABLE WATER					TOTALS		TOTAL PROD. (MG)
	JURUPA	GAC Plt	Nitrate Removal Plt		Thompson WTF			28th ST.	DALY	CLEMENT	46th ST.	Mission Wells #19 & #20	POTABLE	NON POTABLE	
	TIE-IN (MG)	TROYER Well #2 (MG)	FLEETWOOD Well #4 (MG)	SKOTTY Well #6 (MG)	Well #1A (MG)	GOULD Well #8A (MG)	Well #18 (MG)								
5/1/2024	0.00	0.00	0.53	0.35	0.00	1.35	0.00	0.00	0.00	0.52	0.00	0.01	2.24	0.53	2.77
5/2/2024	0.00	0.00	1.47	1.01	0.00	0.51	0.00	0.00	0.00	0.15	0.00	0.01	2.99	0.16	3.14
5/3/2024	0.00	0.00	1.03	0.69	0.00	0.07	0.00	0.00	0.00	0.03	0.00	0.00	1.79	0.03	1.82
5/4/2024	0.00	0.00	1.29	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.17	0.00	2.17
5/5/2024	0.00	0.00	1.26	0.85	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.01	2.18	0.01	2.19
5/6/2024	0.00	0.00	0.61	0.41	0.00	1.35	1.01	0.00	0.00	0.00	0.00	0.02	3.38	0.02	3.40
5/7/2024	0.00	0.00	0.00	0.38	0.00	1.41	1.37	0.00	0.00	0.00	0.00	0.01	3.15	0.01	3.16
<b>Subtotal</b>	0.00	0.00	6.19	4.57	0.00	4.68	2.45	0.00	0.00	0.69	0.00	0.06	17.88	0.76	18.64
5/8/2024	0.00	0.00	1.44	0.97	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.01	2.64	0.01	2.65
5/9/2024	0.00	0.00	1.35	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	2.26	0.01	2.27
5/10/2024	0.00	0.00	1.82	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.05	0.00	3.05
5/11/2024	0.00	0.00	1.33	0.90	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	2.30	0.00	2.30
5/12/2024	0.00	0.00	1.53	1.03	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	2.81	0.00	2.81
5/13/2024	0.00	0.00	0.64	0.43	0.00	2.08	1.23	0.00	0.00	0.00	0.00	0.00	4.38	0.00	4.38
5/14/2024	0.00	0.00	0.31	0.21	0.00	0.80	1.99	0.00	0.00	0.00	0.00	0.00	3.30	0.00	3.31
<b>Subtotal</b>	0.00	0.00	8.42	5.66	0.00	3.44	3.22	0.00	0.00	0.00	0.00	0.03	20.74	0.03	20.77
5/15/2024	0.00	0.00	1.37	0.94	0.00	0.80	0.00	0.00	0.00	0.00	0.00	0.00	3.10	0.00	3.11
5/16/2024	0.00	0.00	1.40	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	2.35	0.01	2.36
5/17/2024	0.00	0.00	1.43	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.38	0.00	2.39
5/18/2024	0.00	0.00	1.09	0.73	0.00	1.28	0.00	0.00	0.00	0.00	0.00	0.00	3.10	0.00	3.10
5/19/2024	0.00	0.00	0.11	0.07	0.00	1.72	1.57	0.00	0.00	0.00	0.00	0.02	3.47	0.02	3.49
5/20/2024	0.00	0.00	0.46	0.31	0.00	1.66	2.09	0.00	0.00	0.00	0.00	0.02	4.51	0.02	4.53
5/21/2024	0.00	0.00	0.28	0.19	0.00	1.68	1.98	0.00	0.00	0.00	0.00	0.01	4.12	0.01	4.13
<b>Subtotal</b>	0.00	0.00	6.13	4.14	0.00	7.13	5.64	0.00	0.00	0.00	0.00	0.07	23.03	0.07	23.10
5/22/2024	0.00	0.00	0.22	0.14	0.00	1.69	1.56	0.00	0.00	0.00	0.00	0.01	3.60	0.01	3.61
5/23/2024	0.00	0.00	0.40	0.27	0.00	1.68	1.62	0.00	0.00	0.00	0.00	0.01	3.97	0.01	3.97
5/24/2024	0.00	0.00	0.55	0.37	0.00	1.45	0.71	0.00	0.00	0.00	0.00	0.01	3.09	0.01	3.09
5/25/2024	0.00	0.00	0.03	0.02	0.00	1.85	1.92	0.00	0.00	0.00	0.00	0.00	3.82	0.00	3.82
5/26/2024	0.00	0.00	0.17	0.11	0.00	1.69	2.03	0.00	0.00	0.00	0.00	0.02	4.00	0.02	4.02
5/27/2024	0.00	0.00	0.62	0.42	0.00	1.44	1.69	0.00	0.00	0.00	0.00	0.02	4.16	0.02	4.18
5/28/2024	0.00	0.00	0.48	0.32	0.00	1.79	1.42	0.00	0.00	0.00	0.00	0.00	4.01	0.00	4.01
5/29/2024	0.00	0.00	0.41	0.28	0.00	1.65	1.74	0.00	0.00	0.00	0.00	0.01	4.08	0.01	4.09
5/30/2024	0.00	0.00	0.38	0.26	0.00	1.62	1.35	0.00	0.00	0.00	0.00	0.01	3.61	0.01	3.62
5/31/2024	0.00	0.00	0.00	0.23	0.00	1.78	1.73	0.00	0.00	0.00	0.00	0.00	3.74	0.00	3.74
<b>Subtotal</b>	0.00	0.00	3.25	2.42	0.00	16.64	15.77	0.00	0.00	0.00	0.00	0.08	38.07	0.08	38.15
<b>TOTAL</b>	0.000	0.000	23.981	16.786	0.000	31.889	27.068	0.000	0.000	0.693	0.000	0.242	99.724	0.935	100.659

# TOTAL WATER PRODUCED w/ % Operated

## May 2024

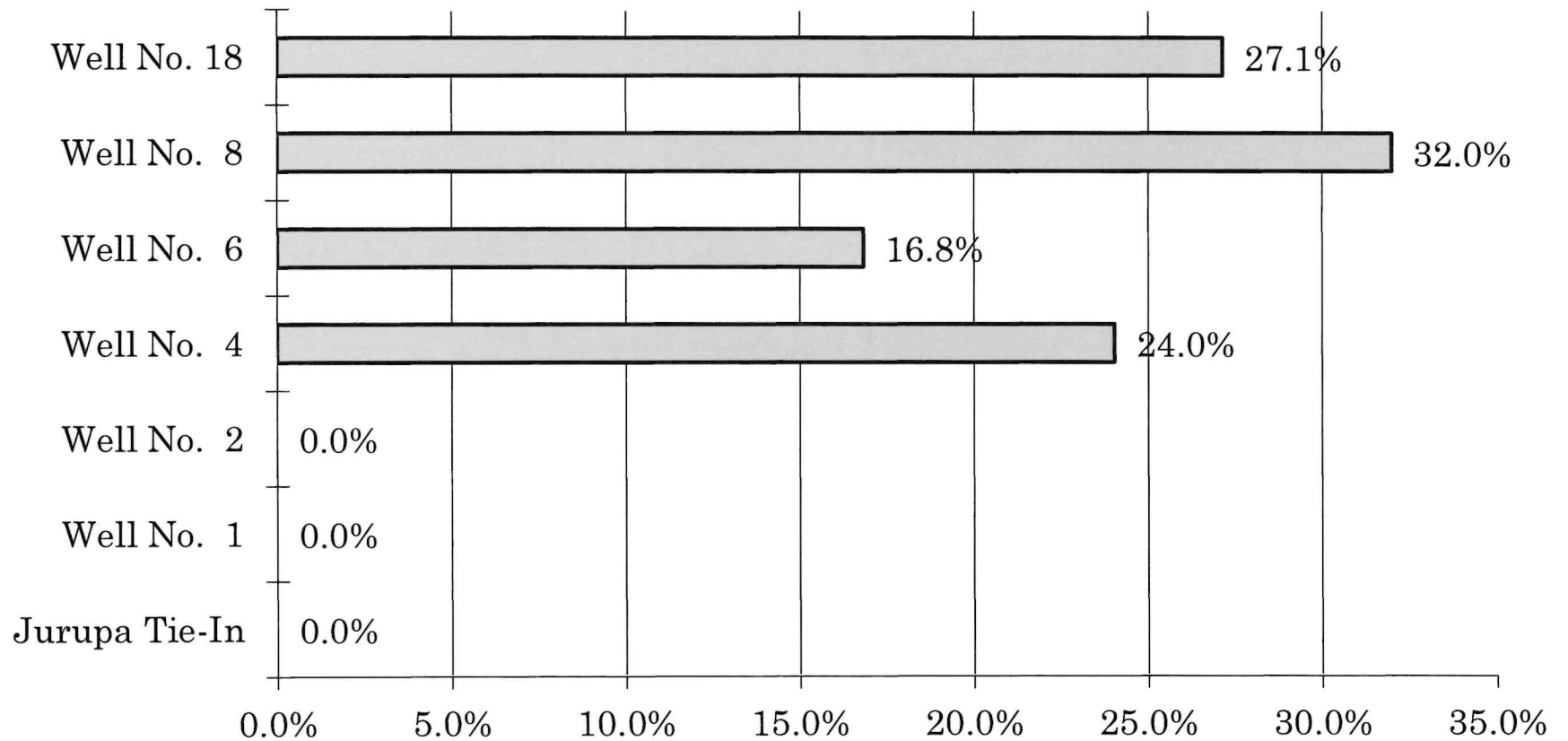


Max Production      **1171.4 AF**  
 Monthly Production    **579.3 AF**  
 Reserve Production    **592.1 AF**

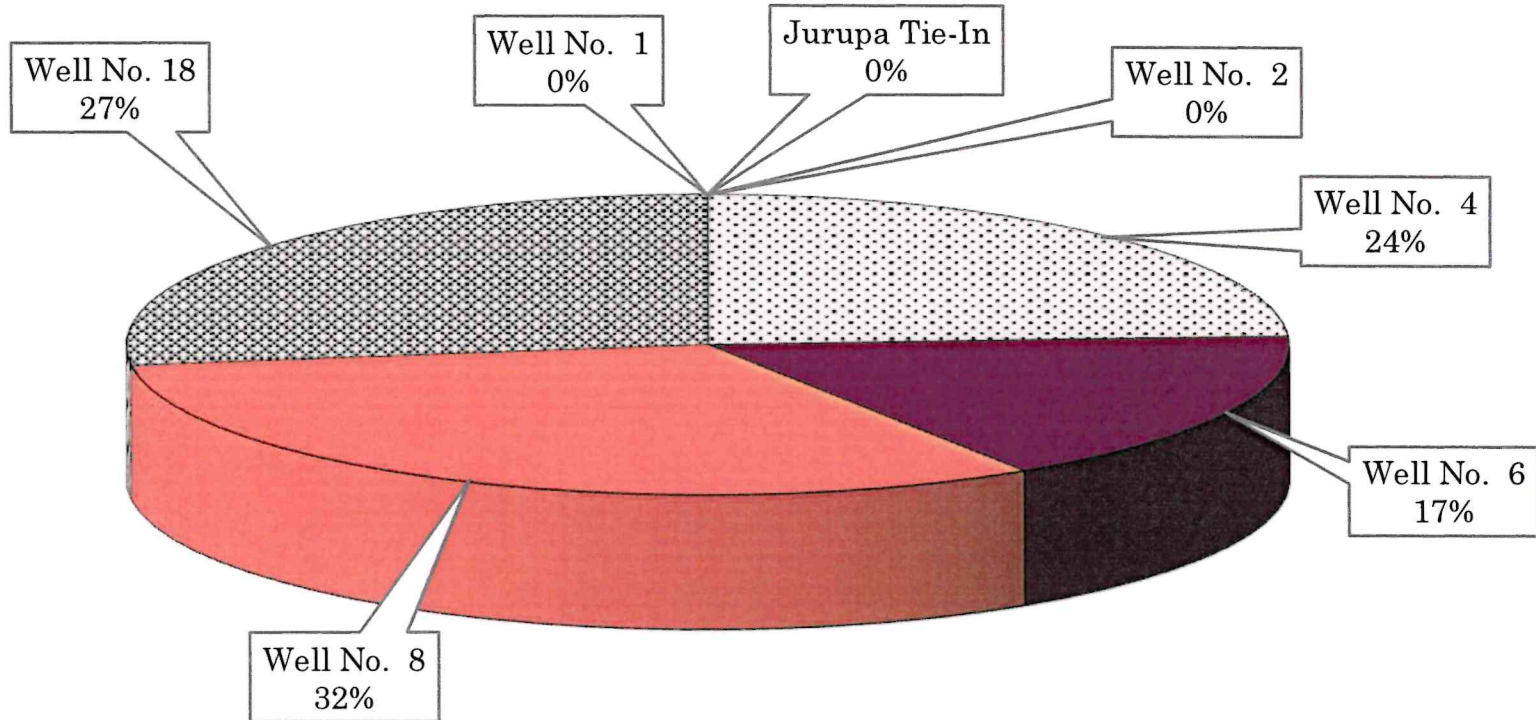
**ACRE FEET**

1 Acre Foot = 43,560 Cubic Feet = 325,829 Gallons

## Source Potable Production Comparison May 2024

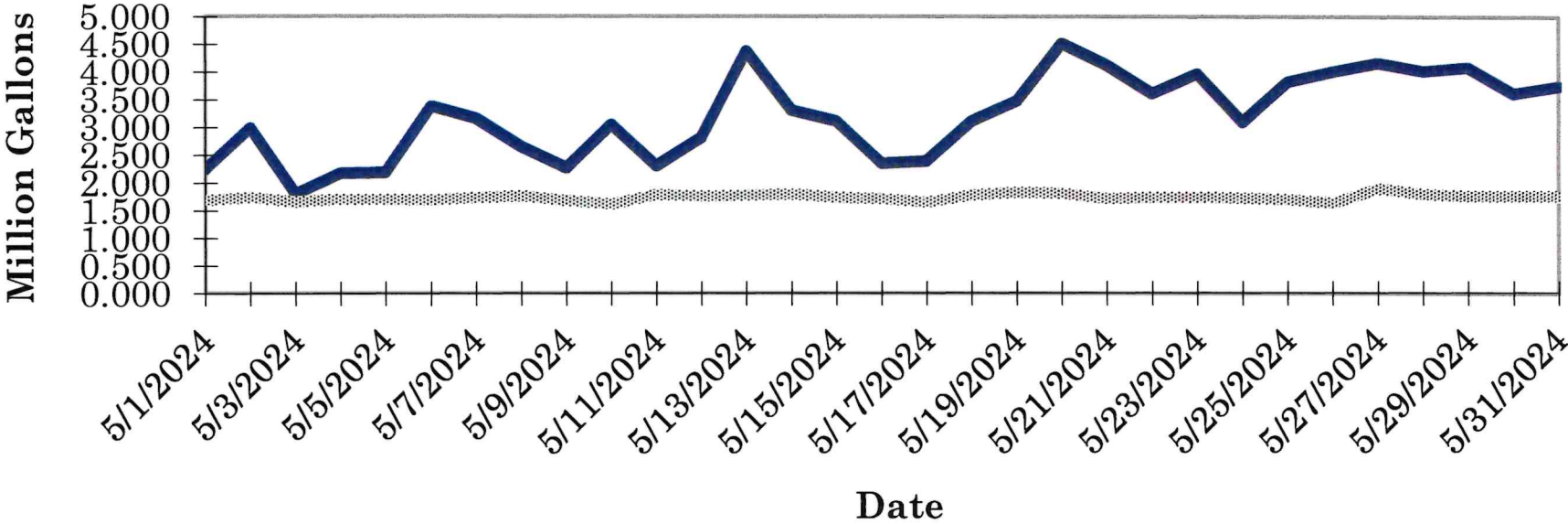


# Source Potable Production Comparison May 2024



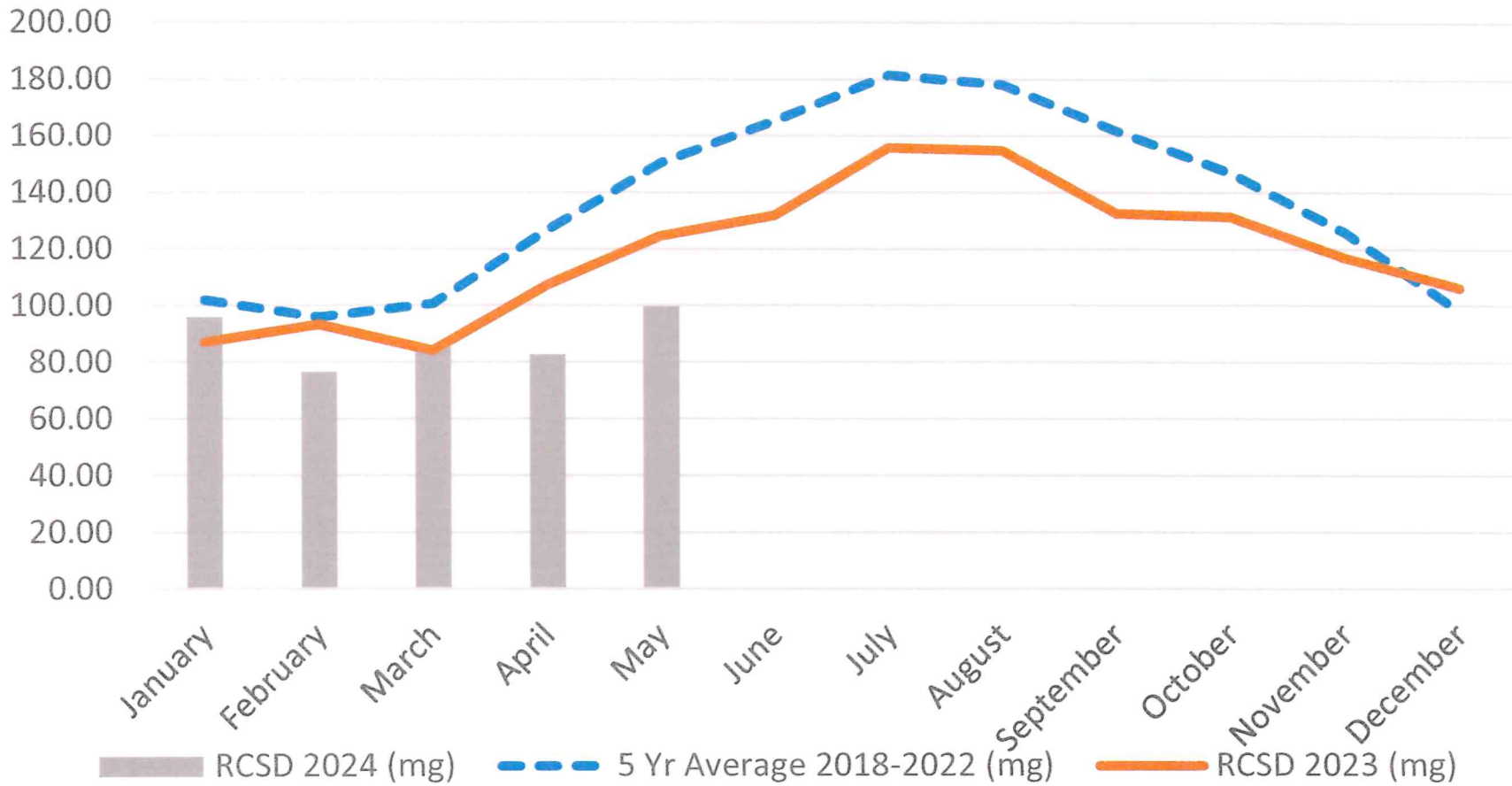


# Potable Water & Wastewater Comparison May 2024



— Potable Water Prod.      ..... Wastewater Prod

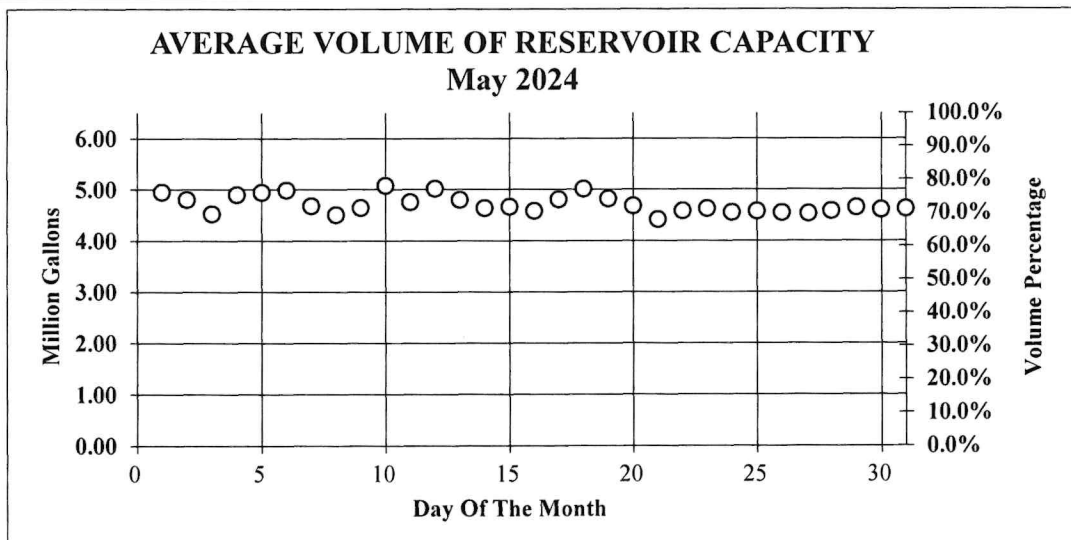
# Potable Water Production Year 2024



# RUBIDOUX COMMUNITY SERVICES DISTRICT

## Reservoir Capacity Report

CAPACITY	ATKINSON SYSTEM		HUNTER SYSTEM		WATER AVAILABLE (Gallons)*	PERCENTAGE OF TOTAL CAPACITY
	2,000,000	3,000,000	425,000	1,000,000		
DATE	ATKINSON	WATSON	HUNTER I	PERRONE		
5/1/2024	80.1	78.0	71.7	69.9	4,945,259	77.0%
5/2/2024	78.3	73.8	73.5	71.1	4,802,201	74.7%
5/3/2024	72.8	67.9	73.8	71.5	4,522,287	70.4%
5/4/2024	78.7	76.5	73.9	71.2	4,894,264	76.2%
5/5/2024	79.1	77.7	74.3	71.0	4,937,706	76.9%
5/6/2024	80.4	78.3	74.0	71.1	4,983,511	77.6%
5/7/2024	75.7	71.6	72.4	70.9	4,679,969	72.8%
5/8/2024	73.5	67.5	71.9	70.4	4,504,970	70.1%
5/9/2024	74.7	70.6	73.2	71.5	4,638,593	72.2%
5/10/2024	81.6	80.7	72.4	71.3	5,074,070	79.0%
5/11/2024	76.0	74.4	72.1	69.6	4,753,379	74.0%
5/12/2024	79.7	79.4	74.1	72.6	5,017,811	78.1%
5/13/2024	75.9	75.3	72.5	71.3	4,796,997	74.7%
5/14/2024	73.8	70.8	72.7	72.8	4,635,782	72.2%
5/15/2024	77.1	70.2	71.2	70.5	4,656,305	72.5%
5/16/2024	73.2	69.3	73.3	72.6	4,580,748	71.3%
5/17/2024	76.3	75.9	71.5	69.5	4,802,116	74.7%
5/18/2024	81.0	78.7	73.7	71.6	5,011,104	78.0%
5/19/2024	77.7	74.3	73.1	72.1	4,813,647	74.9%
5/20/2024	77.4	71.4	70.3	68.9	4,679,432	72.8%
5/21/2024	72.3	66.1	69.0	68.5	4,408,357	68.6%
5/22/2024	75.4	68.7	71.3	71.0	4,581,290	71.3%
5/23/2024	76.1	69.0	73.4	71.8	4,621,861	71.9%
5/24/2024	74.5	68.3	71.6	70.4	4,545,724	70.8%
5/25/2024	74.4	68.2	74.2	71.9	4,569,151	71.1%
5/26/2024	73.6	67.5	74.2	72.7	4,538,947	70.6%
5/27/2024	74.1	67.4	73.0	71.6	4,530,239	70.5%
5/28/2024	74.4	68.3	72.3	73.1	4,575,635	71.2%
5/29/2024	76.4	69.7	72.7	72.0	4,648,606	72.4%
5/30/2024	75.9	69.7	70.6	69.2	4,600,885	71.6%
5/31/2024	75.9	69.1	72.9	72.0	4,620,704	71.9%



\* The total capacity of all District reservoirs is 6,425,000 gallons.

7. **REPORTS** (continued)

B. Emergency and Incident Report (Second Meeting Each Month)



Riverside County Fire Department  
 Office of the Fire Marshal  
 Rubidoux Community Services District  
 3590 Rubidoux Blvd  
 Rubidoux, CA 92509  
 Bus (951) 684-7580



## Monthly Activity Report MAY 2024

<i>Activity</i>	<i>Total</i>
Total Number of Plan Reviews Completed	0
Plan Review Turnaround Time <i>(Goal is 15 Days)</i>	0
Total Number of Construction Inspections Conducted	0
Inspection Turnaround Time <i>(Goal is within 3 Days of Contact)</i>	0
Total Number of Annual Fire Inspections Conducted <i>(Including Reinspections)</i>	82
Number of Weed Abatement Inspections Performed	0
Planning & Development Meetings Attended	0
Planning & Development Cases Reviewed	0
Special Event Meetings	0
Special Event Inspections	0
Complaints	0
850 Inspections	0
School Inspections	0

## **CAL FIRE/Riverside County Fire Department**

### **Emergency Incident Statistics**



**Bill Weiser**

**Fire Chief**

6/3/2024

**Report Provided By: Riverside County Fire Department**

**Communications and Technology Division**

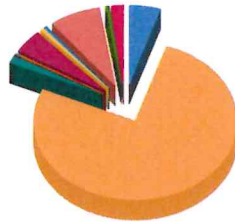
**GIS Section**

**Please refer to Map and Incident by Battalion, Station, Jurisdiction**

Incidents Reported for the month of May2024 and Special District Rubidoux CSD And Both (Code 2, Alpha, Omega, Code 3, Charlie, Delta, Bravo, Echo)  
\*Incidents are shown based on the primary response area for the incident location. This does not represent total response times for all units only the first unit in.

## Response Activity

**Incidents Reported for the month of May2024 and Special District Rubidoux CSD And Both (Code 2, Alpha, Omega, Code 3, Charlie, Delta, Bravo, Echo)**



False Alarm	15	5.1%
Medical	225	76.5%
Other Fire	5	1.7%
Other Misc	1	0.3%
Public Service Assist	14	4.8%
Res Fire	1	0.3%
Standby	2	0.7%
Traffic Collision	24	8.2%
Vehicle Fire	1	0.3%
Wildland Fire	6	2.0%
<b>Total</b>	<b>294</b>	<b>100.0%</b>

False Alarm	15
Medical	225
Other Fire	5
Other Misc	1
Public Service Assist	14
Res Fire	1
Standby	2
Traffic Collision	24
Vehicle Fire	1
Wildland Fire	6
<b>Incident Total:</b>	<b>294</b>

### Average Enroute to Onscene Time\*

Enroute Time = When a unit has been acknowledged as responding. Onscene Time = When a unit has been acknowledge as being on scene. For any other statistic outside Enroute to Onscene please contact the IT Help Desk at 951-940-6900

<5 Minutes	+5 Minutes	+10 Minutes	+20 Minutes	Average	% 0 to 5 min
211	65	17	0	4.3	71.8%

\*CODE 3 and CODE 2 incidents are included in the total count of incidents and the average Enroute to Onscene Time.

\*Incidents are shown based on the primary response area for the incident location. This does not represent total response times for all units only the first unit in.

**Incidents by Battalion, Station and Jurisdiction**

			False Alarm	Medical	Other Fire	Other Misc	Public Service Assist	Res Fire	Standby	Traffic Collision	Vehicle Fire	Wildland Fire	Total
<b>Battalion 14</b>	Station 16 Pedley	City of Jurupa Valley	0	3	0	0	2	0	0	0	0	0	5
		<b>Station Total</b>	0	3	0	0	2	0	0	0	0	0	5
	Station 18 West	City of Jurupa Valley	1	9	0	0	1	0	0	2	0	0	13
		<b>Station Total</b>	1	9	0	0	1	0	0	2	0	0	13
	Station 38 Rubidoux	City of Jurupa Valley	14	213	5	1	11	1	2	22	1	6	276
		<b>Station Total</b>	14	213	5	1	11	1	2	22	1	6	276
		<b>Battalion Total</b>	15	225	5	1	14	1	2	24	1	6	294
<b>Grand Total</b>			15	225	5	1	14	1	2	24	1	6	294

\*Incidents are shown based on the primary response area for the incident location. This does not represent total response times for all units only the first unit in.



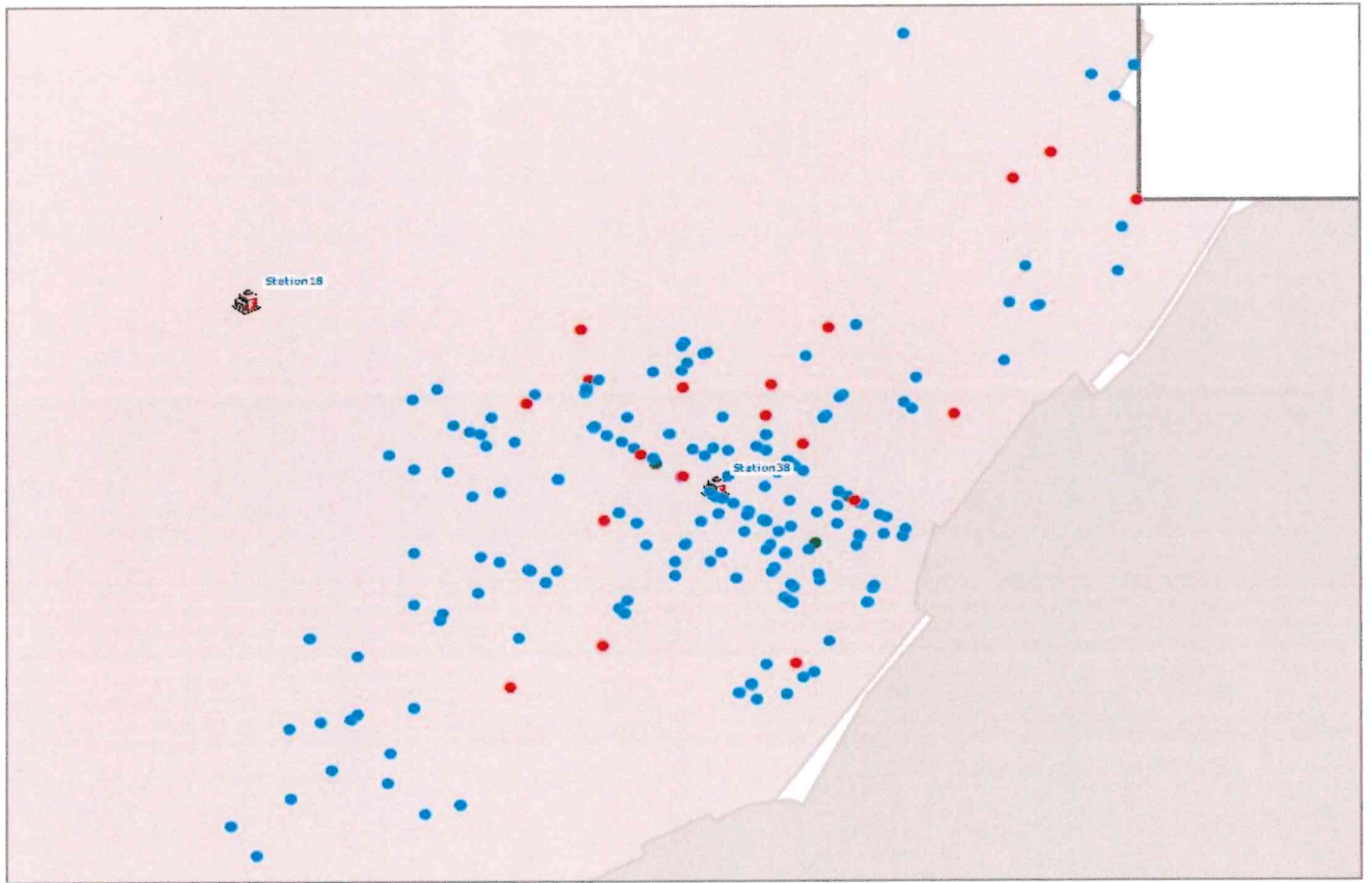
**Incidents by Jurisdiction**

	False Alarm	Medical	Other Fire	Other Misc	Public Service	Res Fire	Standby	Traffic Collision	Vehicle Fire	Wildland Fire	Total
City of Jurupa Valley	15	225	5	1	14	1	2	24	1	6	294
<b>Grand Total</b>	<b>15</b>	<b>225</b>	<b>5</b>	<b>1</b>	<b>14</b>	<b>1</b>	<b>2</b>	<b>24</b>	<b>1</b>	<b>6</b>	<b>294</b>

**Incidents by Supervisorial District - Summary**

	<b>DISTRICT 2 KAREN SPIEGEL</b>	<b>Grand Total</b>
False Alarm	15	15
Medical	225	225
Other Fire	5	5
Other Misc	1	1
Public Service Assist	14	14
Res Fire	1	1
Standby	2	2
Traffic Collision	24	24
Vehicle Fire	1	1
Wildland Fire	6	6
<b>Total</b>	<b>294</b>	<b>294</b>

MONTH = 5 and YEAR = 2024 and SPECIAL= 'Rubidoux CSD'



Legend

- |         |            |                  |              |
|---------|------------|------------------|--------------|
| Fire    | Medical    | Riverside County | Fire Station |
| Hazard  | Other Misc | Reservations     | Casinos      |
| Haz Mat | PSA        |                  |              |



Last Updated 6/3/2024 2:5

\*Incidents are shown based on the primary response area for the incident location. This does not represent total response times for all units only the first unit in

7. **REPORTS** (continued)

C. General Manager and Staff Reports / Updates

7. **REPORTS** (continued)

D. Committee Reports

**8. ACTION / DISCUSSION ITEMS**

- A. **DM 2024-54:** First Reading of Ordinance No. 2024-138, An Ordinance of the Rubidoux Community Services District Authorizing the Adoption of Financial Policy Number 1040 'Procurement Policy'

# Rubidoux Community Services District

## Board of Directors

John Skerbelis, President  
Hank Trueba Jr., Vice-President  
Bernard Murphy  
Armando Muniz  
F. Forest Trowbridge



## General Manager

Brian R. Laddusaw

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Water Resource Management    Refuse Collection    Street Lights    Fire / Emergency Services    Weed Abatement

## DIRECTORS MEMORANDUM 2024-54

June 20, 2024

**To:** Rubidoux Community Services District  
Board of Directors

**Subject:** First Reading of Ordinance No. 2024-138, An Ordinance of the Rubidoux Community Services District Authorizing the Adoption of Financial Policy Number 1040 'Procurement Policy'

### **BACKGROUND:**

The purpose of this memorandum is to seek the Rubidoux Community Services District ("District") Board of Directors' ("Board") approval for the adoption of Financial Policy Number 1040 'Procurement Policy' ("Policy"). This policy is designed to streamline the District's procurement processes and ensure compliance with legal and regulatory requirements. A duly adopted and effective Policy is a mandatory prerequisite for spending Federal grant awards. In 2023, the District was successful with two (2) United States Bureau of Reclamation ("USBR") grant awards totaling nearly \$3.0 million. Absent a Policy, the District would be precluded from seeking reimbursement of the \$3.0 million towards eligible projects costs and alternatively these crucial projects would require funding from current District's reserves or potentially debt based financing with a high interest rate market.

Further, effective procurement practices are essential for the efficient operation of the District. Currently, the District's procurement process lacks a standardized framework for handling repetitive and large-scale procurement needs, which can lead to inefficiencies and inconsistent practices.

The Policy will formalize the current District practice of utilizing Master Agreements and Task Orders. Master Agreements establish pre-negotiated terms and conditions with vendors, while Task Orders detail specific projects or tasks under these agreements. This approach allows for quicker response times, better vendor relationships, and improved budget management. Master Agreements and Task Orders are mostly used with professional and consulting services vendors (i.e., accounting, architectural, engineering, etc.)

## **Key Features of the Policy**

- Establishment of purchasing agent procurement limitations and contract authorization.
- Defined procurement processes with segregation by public works and non-public works projects.
- Master Agreements: Establish overarching terms and conditions for goods and services with selected vendors.
- Task Orders: Issue detailed, project-specific work orders under the Master Agreements, defining the scope, schedule, deliverables, and pricing for each task.
- Streamlined Process: Simplifies and speeds up procurement by clearly defining procurement requirements based on legal and monetary considerations.
- Compliance and Monitoring: Ensures adherence to legal requirements and includes provisions for performance monitoring and regular reporting.

## **Benefits**

Adopting this Procurement Policy will offer several benefits:

- Efficiency: Reduces administrative workload and expedites the procurement process.
- Transparency: Ensures clear and consistent procurement practices.
- Compliance: Aligns with legal and regulatory requirements.
- Fulfills procurement policy required for federal funded projects. (Uniform Guidance)
- Required Policy by Independent Auditors.
- Increased documentation and support.

## **Timeline:**

For an Ordinance to be properly adopted, the District must adhere to the following criteria:

1. First and Second Reading of Draft Ordinance – No less than 2 weeks apart.
2. Public Hearing (not a protest hearing) with a minimum 10-day notice period. Must notice public in Press Enterprise, on the District's website, and on the District's administrative office windows.
3. Requires a 30-day delayed effective date.



Based on the criteria above, staff is proposing the following Ordinance adoption timeline:

- Regular Board Meeting – June 20, 2024 (1<sup>st</sup> Reading of Ordinance)
- Regular Board Meeting – July 18, 2024 (2<sup>nd</sup> Reading of Ordinance and Public Hearing)
- Effective – August 18, 2024

**RECOMMENDATION:**

The General Manager recommends the Board of Directors consider the following:

1. Schedule a Public Hearing and Final Reading of Ordinance No. 2024-138 for the July 18, 2024, regular meeting of the Board of Directors of the Rubidoux Community Services District.

Respectfully,



BRIAN R. LADDUSAW, CPA  
General Manager

Attach:

1. Draft Financial Policy Number 1040 'Procurement Policy'
2. Draft Ordinance No. 2024-138

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# Rubidoux Community Services District

**POLICY TITLE:** Procurement Policy

**POLICY NUMBER:** 1040

## ARTICLE I. GENERAL

1040.1 Purpose. This Procurement Policy applies to Rubidoux Community Services District (the District), and establishes standardized guidelines by which all District procurement, except for public works projects of \$25,000 or more, is to be conducted for the purpose of acquiring goods, supplies and equipment for the operations of the District in accordance with the State of California Government Code and contracting for public projects and consulting services in accordance with the State of California Public Contract Code and Uniform Public Construction Cost Accounting Act.

All purchases of goods, services and equipment to be paid for by the District must comply with the methods, authority and dollar limits set forth in this Procurement Policy.

This Procurement Policy does not apply to non-discretionary operating expenditures including, but not limited to, utilities, payroll, employee benefits, water purchases, election costs, insurance and payroll taxes.

This Purchasing Policy does not supersede statutory law in existence at the time the District enters into a contract for the purchase of goods, supplies and equipment. California statutes that govern such contracts shall control to the extent they conflict with this Procurement Policy.

Please see Exemption at 1040.3 for further discussion of public works projects.

1040.2 Scope. When Federal grant funds are involved in any procurement, the District follows both this Procurement Policy and the requirements of Title 2-Grants and Agreements of the Code of Federal Regulations, Part 200 (2 CFR, Part 200). Please see 2 CFR, Part 200 (also known as Uniform Guidance) under Article 4: Uniform Guidance of this Procurement Policy.

All purchases of goods, including materials, equipment, supplies, and services, except public works projects of \$25,000 or more, shall adhere to the guidelines, authority, and dollar limits of this Purchasing Policy.

1040.3 Exemption. Public works contracts involving District expenditures of \$25,000 or more, shall be governed by Public Contract Code Section 20682, et seq. which states community service district contracts for materials and supplies for the construction or completion of any building, structure, or improvement, when the cost exceeds twenty-five thousand dollars (\$25,000), shall be contracted for and let to the lowest responsible bidder after notice. If two or more bids are the same and the lowest, the district board may accept the one it chooses.

1040.3.1 At its discretion, the board of directors may reject any bids presented and readvertise.

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# Rubidoux Community Services District

1040.3.2 In the case of an emergency, the board of directors may act pursuant to Chapter 2.5 (commencing with Section 22050).

1040.3.3 The board of directors may, subject to Chapter 5 (commencing with Section 9550) of Title 3 of Part 6 of Division 4 of the Civil Code, require the posting of those bonds it deems desirable as a condition to the filing of a bid or the letting of a contract.

1040.3.4 Additional information on public works regulations can be found in the Public Contract Code Section 20680 to 20685.5 and in the California Department of Industrial Relations website.

1040.4 Public Project. "Public project" is as defined in Chapter 2, Section 22002 of the Public Contract Code:

**Note: For purposes of this Procurement Policy, "facility" means any plant, building, structure, ground facility, utility system, subject to the limitation found in the Public Contract Code.**

- a) Construction, reconstruction, erection, alteration, renovation, improvement, demolition, and repair work involving any publicly owned, leased, or operated facility.
- b) Painting or repainting of any publicly owned, leased, or operated facility.
- c) In the case of a publicly owned utility system, "public project" shall include only the construction, erection, improvement, or repair of dams, reservoirs, powerplants, and electrical transmission lines of 230,000 volts and higher.

1040.4.1 "Public project" does not include maintenance work. For purposes of this section, "maintenance work" includes all of the following:

- a) Routine, recurring, and usual work for the preservation or protection of any publicly owned or publicly operated facility for its intended purposes.
- b) Minor repainting.
- c) Resurfacing of streets and highways at less than one inch.
- d) Landscape maintenance, including mowing, watering, trimming, pruning, planting, replacement of plants, and servicing of irrigation and sprinkler systems.
- e) Work performed to keep, operate, and maintain publicly owned water, power, or waste disposal systems, including, but not limited to, dams, reservoirs, powerplants, and electrical transmission lines of 230,000 volts and higher.

1040.4.2 If project is valued at over \$1,000, the status as a public work triggers prevailing wage request. Governed by the California Labor Code, specifically sections 1720-1861.

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# Rubidoux Community Services District

1040.5 Principles. The District maintains the following principles to ensure sound business practices and a continuous supply of quality goods and services to the District at the best value while promoting long-term, ethical relationships with vendors:

- a) Ensure the continuous supply of materials, supplies and equipment as needed.
- b) Develop reliable alternate sources of supply to meet District requirements.
- c) Purchase proper goods and services at the best value without sacrificing the quality needed.
- d) Resolve complaints on all purchased goods and services through equitable solutions.
- e) Handle with confidentiality all proprietary information submitted by vendors.
- f) Comply with all applicable laws without qualification or evasion.
- g) Guard against the misappropriation of assets and inventories.
- h) Comply as needed with Federal procurement regulations to ensure retention of all Federal grants which the District may receive.
- i) Provide the best value through effective Procurement Policy and practice.
- j) Maintain public confidence in the Procurement Policy of the District.
- k) Ensure the fair and equitable treatment of all who deal with the procurement system of the District.
- l) Provide increased economy in District procurement activities through broad based competition.
- m) Provide safeguards for the maintenance of the procurement system.
- n) Provide for effective outreach to all disadvantaged businesses.
- o) Encourage the maximum use of recycled materials where possible.

# Rubidoux Community Services District

1040.6 Purchasing Agents. Procurement limits and contract signing authority are listed below.

Title	Procurement Limit	Contract Authority
General Manager*	Up to \$75,000	\$75,001 and over with Board authorization Up to \$75,000 without Board Authorization
Assistant General Manager*	Up to \$50,000	Up to \$50,000 without Board Authorization
Director of Engineering	Up to \$25,000	Up to \$25,000 without Board Authorization
Director of Finance and Admin	Up to \$25,000	Up to \$25,000 without Board Authorization
Director of Operations	Up to \$25,000	Up to \$25,000 without Board Authorization
Customer Service/Accounts Payable Manager	Up to \$5,000	None
Senior Systems Operator I	Up to \$5,000	None
Senior Systems Operator II	Up to \$5,000	None

\*The Assistant General Manager has approval authority to the General Manager's dollar limit in the absence of the General Manager.

The General Manager is authorized to make purchases and enter into contracts on behalf of the District up to a specified financial limit as determined by the Board of Directors. The General Manager may voluntarily elect to forgo their purchasing authority and delegate the approval of certain purchases to the Board of Directors. This ensures transparency and enhances oversight in the procurement process.

- a) Discretionary Decision: The General Manager may, at their discretion, decide to delegate their purchasing authority to ensure greater transparency or to manage conflict of interest situations.
- b) Specific Transactions: The General Manager may opt to delegate authority for specific transactions or categories of transactions that they believe require additional oversight.
- c) Temporary Circumstances: In circumstances where the General Manager is unavailable or believes that Board approval is in the best interest of the District, they may delegate their authority temporarily.

1040.7 Purchasing Agent Duties. The purchasing agent shall have the authority to:

- a) Purchase or contract for supplies, equipment, maintenance services, or public projects in accordance with the Procurement Policy detailed in this directive;

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# Rubidoux Community Services District

- b) Procure quality supplies, equipment, and services for maintenance and public projects at the least expense to the District;
- c) Obtain as full and open competition as possible on all purchases and contracts;
- d) Keep informed of the current developments in the field of purchasing and contract administration as well as prices, market conditions and new products;
- e) Maintain reasonably necessary forms for the administration and operation of adhering to the procedures detailed in this directive;
- f) Supervise the regular inspection of all supplies and equipment for adequacies in their intended use;
- g) Obtain chemical and physical tests of samples submitted with bids which are necessary to determine their quality and conformance with specifications, where the cost may be covered by the District, or the District may order the cost be covered by the bidder;
- h) Recommend the transfer of surplus or unused supplies and equipment between departments as needed and the sale of all supplies and equipment that cannot be used by the District;
- i) Maintain bidders list, contractors list, local business preference list, current vendor list and other related records required to perform the duties of the purchasing function.

## ARTICLE 2. PURCHASE METHODS

### 1040.8 Purchase Methods (Purchases shall be made using one of these methods):

- 1. Purchase Order and Revised Purchase Order
- 2. Check Request (payments not associated with a Purchase Order)
- 3. Invoice
- 4. District Credit Card
- 5. Petty Cash

1040.9 Purchase Order. The Purchase Order is the preferred method for making purchases. The Purchase Order authorizes an encumbrance of District funds and communicates to a vendor the District's intention to order goods and services.

A Purchase Order issued by the District is the authorization for a vendor to accept an order and deliver the requested goods and/or services. The Purchase Order identifies services or material descriptions, quantities, prices, discounts, payment terms, dates of services or material delivery (as needed), and recognizes a specific vendor associated with the transaction.

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# Rubidoux Community Services District

When a Purchase Order is accepted by the vendor, the Purchase Order becomes a contract binding the District and the Vendor to the terms and conditions set forth on the front and reverse sides of the Purchase Order.

1040.10 Revised Purchase Order. A Purchase Order may be revised as needed in order to modify the original Purchase Order. The revision(s) may be to increase or decrease the dollar value of the Purchase Order. Or it may be to change the Buyer, change the general ledger coding, or various other possible changes. A revised purchase order must be approved by the appropriate authority level based on the total cost of the goods, services, or content (original Purchase Order plus the revision amount or any change in scope of work).

1040.11 Invoice. All invoices for purchases of goods and services shall be preceded by a Purchase Order. However, for certain standard operating expenses, the invoice may be the sole document used to authorize the expenditure. When practical, a Credit Card or Check Request shall be completed for such payments. Examples of standard operating expenses that may not be preceded by a Purchase Order include, but are not limited to, the following:

- a) Inter-agency billings
- b) Utility services (including water purchases)
- c) Debt service obligations
- d) Certain legal fees
- e) Subscriptions and subscription renewals
- f) Membership dues
- g) Permits
- h) Employee reimbursements
- i) Petty cash requests
- j) Court-ordered payments
- k) Insurance premiums
- l) District benefit payments (CalPERS, payroll taxes, insurance, etc.)
- m) Customer refunds
- n) Retiree payments

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# Rubidoux Community Services District

In most other instances, a single invoice or invoices without a preceding Purchase Order is generally not permitted for making purchases (goods may be returned to the vendor and services may be cancelled) for the following reasons:

- a) **Accountability:** Obligates the District to costs without obtaining prior approval.
- b) **Fiscal integrity:** The District's inability to encumber funds may negatively affect the balance of the fiscal budget.
- c) **Risk:** Invoice transactions without a District Purchase Order do not protect the District from various risks.

1040.12 Encumbrance of Funds. The purchasing agent is only authorized to procure supplies, equipment, and contracts for maintenance or public project services for which there is an unencumbered appropriation available to be charged.

A Purchase Order designates a dollar amount to be encumbered on the general ledger for the costs of procuring the goods or services.

An encumbrance does not result in the recognition of an expenditure. It simply obligates or "reserves" a portion of an unexpended budget for the purpose of paying a liability when the related goods are received or services are rendered.

1040.13 District Contracts. A District contract is required for Service Purchase Orders of \$25,000 or more in order to minimize risks to the District, and to document rates, terms, etc. that are agreed to by the vendor and the District. Generally, if a District contract is created it will be accompanied by a Purchase Order. In the event the terms of the Purchase Order conflict with the terms of the District contract, the terms of the District contract shall prevail.

1040.13.1 Master Agreement: A contract with a vendor that defines the general terms and conditions under which specific work or services will be performed. It does not specify the exact scope of work or quantity of services but sets a framework for future task orders. Master Agreements must be reviewed and approved by the appropriate authority within the District.

1040.13.1 Task Order: A document issued under a Master Agreement that specifies the details of a particular task or project, including scope of work, schedule, deliverables, and pricing. Task Orders must be reviewed and approved by the appropriate authority within the District.

1040.14 Vendor Contracts. The use of a vendor contract does not meet the District's determination of a best management practice; therefore, use of a vendor contract is discouraged. However, where necessity requires the use of a vendor contract, such terms and conditions shall not contradict the objective and goals of the District. District staff shall review and approve the vendor's contracts terms and conditions prior to proceeding with a purchase transaction where a vendor contract is used.

1040.15 Staging of Purchases. Staging purchases and contracts into smaller units for the purposes of evading competitive bidding procedures in this directive is explicitly prohibited.



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# Rubidoux Community Services District

## ARTICLE 3. PURCHASE ORDER

1040.16 Purchase Order Requisition Process for Goods, Supplies, Equipment. (for public works procurement of \$25,000 or less and non-public works procurement of \$250,000 or less).

**NOTE - for public works procurement of \$25,000 or more, please see 1040.3 Exemption in this Procurement Policy.**

**For non-public works procurement of more than \$250,000, please see 2 CFR, Part 200 under Article 4: Uniform Guidance.**

1	The Purchasing Agent shall obtain quote(s) as required by the dollar value of the purchase (refer to section 1040.18) and select the vendor offering goods or services which offers the best value to the District.
2	If the vendor is new, or an existing vendor has updated information, Purchasing Agent shall obtain the vendor's information required for a completed vendor setup in the Districts accounts payable module and provide to the Customer Service/Accounts Payable Manager.
3	If required quotes cannot be obtained or a unique or specific vendor is required for executing the purchase, the Purchasing Agent shall complete a Sole/Single Source Justification Form to include as supporting documentation. (See Sole/Single Source Justification Form Attachment)
4	The Purchasing Agent shall verify budget funds are available for the purchase. If budget funds are not available, Purchasing Agent shall utilize the necessary District policy for a budget amendment.
5	The Purchasing Agent shall deliver to the Director of Finance and Admin the quote(s) obtained, vendor information, and Sole/Single Source Justification Form, if applicable. Upon successful review, the Finance Department releases the approval in accordance with Purchasing Agent's approved procurement limit.

1040.17 Vendor Quote(s). Vendor quote(s) are required prior to submitting a Purchase Order. The District distinguishes between two different types of quotes:

1040.17.1 Informal quote(s). An offer casually communicated through a telephone conversation, email, or other convenient documentation. Verbal conversations shall be documented and shall include the name of the vendor, the vendor contact that provided the quote, and the date the quote was provided.

1040.17.2 Formal quote(s). An official offer letter on the vendor's business letterhead (or equivalent). The formal quote can be communicated electronically via email or in hard copy form. An email shall qualify as a formal quote if the vendor name, salesperson name (if applicable) and date are included in the email. A formal quote is the preferred method of documenting a quotation whenever Federal grant funds, including Federal Emergency Management Agency (FEMA) funded projects are involved.

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# Rubidoux Community Services District

1040.18 Price quotations for non-public works procurement(s). Price quotations for non-public works procurement shall be obtained by the Purchasing Agent or the Purchasing Agent's designee in accordance with the following:

- 1040.18.1 **Purchases of \$10,000 or less**: If the District considers the price to be reasonable, one informal quote is required. The quote shall be scanned and attached to the requisition. A formal quote is not required. Note – these procurement requirements are comparable to Federal requirements per 2 CFR, Part 200.320 and 2 CFR, Part 200.67.
- 1040.18.2 **Purchases greater than \$10,000, up to \$50,000**: Require three informal quotes scanned and attached to the Requisition.
- 1040.18.3 **Purchases greater than \$50,000 up to \$250,000**: Require three formal quotes scanned and attached to the Requisition. Note – these procurement requirements are comparable to Federal requirements per 2 CFR, Part 200.320 and 2 CFR, Part 200.88.
- 1040.18.4 **Purchases greater than \$250,000**: Shall comply with 2 CFR, Part 200 (Uniform Guidance) procurement methods consistent with either sealed bids, competitive proposals, or non-competitive proposals as described in this Procurement Policy in 2 CFR, Part 200, section 320 Methods of Procurement to be followed, refer to section 1040.25.

Vendor selection for non-public works procurement up to \$250,000 shall be based upon the vendor's ability to provide goods or services to the District at the best value as required by the needs of the District.

1040.19 Purchase Order Requisition Process for Professional and Consulting Services. (Accounting, Architectural, Landscape Architectural, Engineering, Environmental, Land Surveying, and Construction Management Services)

Note: If any of the services described in the section are to be funded with Federal funds, the District will utilize the procurement method as required by the funding source.

- 1040.19.1 **Purchases of \$10,000 or less**: If the District considers the price to be reasonable, one informal quote is required. The quote shall be scanned and attached to the requisition. A formal quote is not required. Note – these procurement requirements are comparable to Federal requirements per 2 CFR, Part 200.320 and 2 CFR, Part 200.67.
- 1040.19.2 **Purchases greater than \$10,000, up to \$50,000**: Require three informal quotes scanned and attached to the Requisition.
- 1040.19.3 **Purchases greater than \$50,000 up to \$250,000**: Require three formal quotes scanned and attached to the Requisition. Note – these procurement requirements are comparable to Federal requirements per 2 CFR, Part 200.320 and 2 CFR, Part 200.88.
- 1040.19.4 **Purchases greater than \$250,000**: Shall comply with 2 CFR, Part 200 (Uniform Guidance) procurement methods consistent with either sealed bids, competitive proposals, or non-

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# Rubidoux Community Services District

competitive proposals as described in this Procurement Policy in 2 CFR, Part 200, section 320 Methods of Procurement to be followed, refer to section 1040.19.

Vendor selection for non-public works procurement up to \$250,000 shall be based upon the vendor's ability to provide services to the District at the best value as required by the needs of the District.

1040.20 Best Value Determination. The value of procured goods or services may be described as a comparison of costs and benefits. Best value may not be simply the lowest purchase price of goods or services. Compare all the costs to purchase, use, and perhaps dispose of goods or services, against all the benefits from the good or services received and how they are used. Comparisons of costs and benefits may also be described as comparisons of strengths and weaknesses, pros and cons, and risks and rewards.

1040.20.1 Example costs that may contribute to an overall best value determination:

- a) Purchase price including shipping and other related costs.
- b) Financing charges.
- c) Personnel time conducting the procurement.
- d) Personnel time tracking and processing vendor payments.
- e) Possible disposal fees.
- f) Possible mitigation costs in dealing with an unknown vendor.
- g) Possible costs to remedy poor outcomes.

1040.20.2 Example benefits that may contribute to an overall best value determination:

- a) Added services at no additional cost.
- b) Material and goods with no toxic ingredients and/or are environmentally friendly.
- c) Market-leading material or goods likely to be maintainable and/or upgradeable for longer time (less obsolescence).
- d) Vendor with track record of price stability and product availability.
- e) Vendor with track record of effectively delivering desired service outcomes.

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# Rubidoux Community Services District

1040.20.3 If a procurement choice is made that is not the lowest purchase price alternative, a written Best Value Determination shall be created and signed by the Purchasing Agent. This written explanation shall accompany the Requisition or Purchase Order.

1040.20.4 Please note when the District is using any Federal funds for a procurement, the "Best Value Determination", described above, may not be accepted by the funding Federal agency. This is particularly the case with any funding from the FEMA Public Assistance program. The District's use of "Best Value Determination" shall be limited to purchases below the Federal Simplified Acquisition Threshold of \$250,000 as per 2 CFR, Part 200.320.

1040.21 Sole and Single Source Purchases. A sole source purchase is any acquisition which restricts the District to one vendor or one brand. A single source purchase is a purchase of goods or services without competitive bids/proposals for which there might be an alternative source available, but for which it would not be feasible, practical, or cost-effective to seek competitive proposals. The District may make a sole or single source purchase if it is not practicable to obtain competitive quotes due to any of the following circumstances:

- a) Exigent or emergency purchase.
- b) Technical support agreements exist and restrict the District to a single vendor.
- c) Vendor is uniquely qualified to provide the product or service.
- d) Item is a component or replacement part for which there is no commercially available substitute, and which can be purchased only from the manufacturer or authorized distributor.
- e) The District has a compelling and valid interest in selecting a particular vendor.

1040.21.1 When the District is using any Federal funds for procurement, a sole or single source procurement, as described above may not be accepted by the Federal funding agency. This is particularly the case with any funding from the FEMA Public Assistance program. Additional sole or single source documentation is required by Federal Regulations 2 CFR, Part 200 as described beginning under Article 4: Uniform Guidance in this Procurement Policy.

## Sole and Single Source Purchase Process

1	The Purchasing Agent shall complete a Sole/Single Source Justification Form. (See Sole/Single Source Justification Form Attachment).
2	The Purchasing Agent shall attach to the completed Sole/Single Source Justification Form all supporting documents to justify the request.
3	The Purchasing Agent shall obtain a signature approval from the appropriate Director of the Department.

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# Rubidoux Community Services District

4	Upon receipt of approval signature, the Purchasing Agent shall forward the completed Sole/Single Source Justification Form, with all supporting documents, Customer Service/Accounts Payable Manager.
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1040.22 Change Order(s) From time to time, the District may find it necessary to issue changes to contracts for capital projects. Such changes are known as Change Orders and may involve alterations, deviations, modifications, additions to, or deletions from the plans and specifications as may be deemed by the District to be necessary or advisable for the proper completion of a capital project.

Please note that if any Change Order causes the capital project budget to exceed a previous Board of Directors approved capital budget amount, the revised capital budget shall be presented to the Board for re-approval.

- 1040.22.1 Change Orders are not allowed to provide for a change in work which would be considered outside of the scope of work contemplated by the capital project, which would therefore constitute a different or new capital project.
- 1040.22.2 Change Orders shall be in writing, shall specify the work to be done in connection with the change(s) made, shall document an adjustment of contract time (if any), and shall document the basis of compensation for the change made.
- 1040.22.3 No change in the work performed under a capital project contract shall be made without approval of the District by way of a written Change Order. The provisions of the bid documents and the contract shall apply to all Change Orders with the same effect as if originally embodied in the bid documents and contract. The amount of the increase or decrease in the contract price resulting from a Change Order, if any, shall be determined in the sole discretion of the District.
- 1040.22.4 Any Change Order which would increase the total cost of a project to more than the Federal Simplified Acquisition Threshold (currently \$250,000), shall be required to be approved by the District's Board of Directors.
- 1040.22.5 Change Order approval authority is determined by the District's Board of Directors and delegated by the General Manager according to functional responsibility within the District. Please see section (1040.5 Purchasing Agents), for the current District Change Order approval levels as of the date authorized by the General Manager. Change Orders that exceed the General Manager's authority are subject to approval by the Board of Directors.

1040.23 Check Request A Check Request is used to issue a check payable to a vendor. The vendor should provide a formal invoice or acceptable equivalent (for example, a bid or quote on vendor letterhead). Typically, a Check Request is appropriate when a vendor will not accept a Purchase Order, and when at least one of the following conditions exist:

- a) A vendor requires payment prior to the District receiving the purchased goods or services, or

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# Rubidoux Community Services District

- b) The purchase amount exceeds petty cash limits.

## Check Request Process

1	The Buyer shall determine if the vendor will accept a Purchase Order. If not, a Check Request is appropriate if at least one of the conditions to require a Check Request are met.
2	The Buyer shall obtain approval signatures in accordance with Purchasing Authority Levels.
3	Upon receipt of approval signatures, the Buyer shall forward the all supporting documents attached, to Accounts Payable for check processing.

1040.24 District Credit Card. The General Manager, Assistant General Manager, and Directors have been designated to be District Cardholders, and a valid District need shall be established. Use of District credit cards shall be restricted to District-related purchases only and uses shall follow the guidelines as stated in the Rubidoux Community Services District Credit Card Policy.

## ARTICLE 4: UNIFORM GUIDANCE

1040.25 2 CFR, Part 200, Section 318 General Procurement Standards. General Manager or designee authority. Except as otherwise provided in this Procurement Policy, the General Manager or designee may adopt operational procedures consistent with this Procurement Policy governing the procurement and management of all materials, supplies, services, and construction to be procured by the District. The General Manager or designee shall serve as the central procurement and contracting authority of the District. Except as otherwise provided in this code, the General Manager or designee shall:

- a) Procure or supervise the procurement of all materials, services and construction needed by the District and establish the methods and procedures necessary for the proper and efficient functioning of the procurement program.
- b) Establish guidelines for the management of all inventories of materials belonging to the District.
- c) Sell, trade or otherwise dispose of surplus materials belonging to the District in accordance with the provisions of this Procurement Policy.
- d) Prepare, issue, revise, maintain, and monitor the use of specifications for materials, services and construction required by the District.
- e) Furnish the Board of Directors with such reports and information as the Board may require.

1040.25.1 The General Manager may delegate procurement authority to designees or to any using department or official of the District. The General Manager or designee may determine in writing that noncompliance with any provision of this Procurement Policy is not substantial and may allow for correction or may waive minor informalities or irregularities. The basis for the decision shall be included in the determination. The General Manager or designee, in

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# Rubidoux Community Services District

accordance with this Procurement Policy, shall have the authority to award contracts not exceeding the amounts define within the listed, Purchasing Authority Levels. Contracts exceeding management authority shall be executed by the General Manager or designee following approval by the Board of Directors of the District.

- 1040.25.2 The General Manager or designee is entitled to audit the books and records of a contractor, consultant or any subcontractor or sub consultant under any contract or subcontract to the extent that the books and records pertain to the terms, conditions, and specifications as they relate to the performance of the contract or subcontract. Except in cases where the Board of Directors has retained authority, no purchase of services, supplies and equipment by any person other than the General Manager, the Assistant General Manager, or District employees directed by individuals in these positions, shall be binding upon the District or constitute lawful charge against District funds.
- 1040.25.3 This Procurement Policy sets forth the Procurement Standards of Conduct for all procurement by the District and its employees, officers or agents.
- 1040.25.4 No employee, officer, or agent shall participate in the selection, award, or administration of any contract if he or she has a real or apparent conflict of interest.
- 1040.25.5 The General Manager or designee shall purchase only sufficient quantities to meet the needs of the District and shall not unnecessarily purchase excess goods or services beyond the prudent and normal levels to maintain good working order of the District.
- 1040.25.6 The General Manager or designee shall consider consolidating or breaking out procurements to obtain more economical purchases when the situation allows.
- 1040.25.7 The General Manager or designee, where appropriate, shall make an analysis of lease versus purchase alternatives, and any other appropriate analysis to determine the most economical approach to a procurement.
- 1040.25.8 The General Manager or designee may enter into state and local intergovernmental agreements or inter-entity agreements where appropriate for procurement or use of common or shared goods and services. Note that FEMA will closely scrutinize the District's use of cooperative purchasing programs and piggyback contracts. In addition, FEMA will disallow reimbursement for the use of out-of-state cooperative purchasing programs. Generally, the District's use of a California-based cooperative purchasing program or a piggyback contract shall be limited to purchases below the Federal Simplified Acquisition Threshold of \$250,000 as per 2 CFR, Part 200.320.
- 1040.25.9 When the District participates in an inter-governmental purchase agreement, it shall be with a full and active participation in the development of contract specifications; joint issuance of requests for bids, joint evaluation of those bids; and joint awarding of the contracts.

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## **Rubidoux Community Services District**

- 1040.25.10 The District shall not use out of state cooperative procurement agreements when the contract is funded in whole or in part with Federal funds.
- 1040.25.11 The General Manager or designee may authorize the use of Federal excess and surplus property in lieu of purchasing new equipment and property whenever such use is feasible and reduces project costs.
- 1040.25.12 The General Manager or designee may use value engineering clauses in contracts for construction projects of sufficient size to offer reasonable opportunities for cost reductions. Value engineering is defined as a systematic and creative analysis of each contract item or task to ensure that its essential function is provided at the overall lower cost.
- 1040.25.13 The District shall only award contracts to responsible contractors possessing the ability to perform successfully under the terms and conditions of a proposed procurement.
- 1040.25.14 The General Manager or designee shall consider such matters as contractor integrity, compliance with public policy, record of past performance, and financial and technical resources.
- 1040.25.15 The General Manager or designee shall maintain records sufficient to detail the history of procurement. For federally funded purchases, the procurement file shall consist of all documents related to the purchasing process and include both the winning and losing bids. For federally funded purchases, such records shall be retained for not less than three (3) years after the completion of the project. In the case of purchases funded under the FEMA Public Assistance program, all procurement records shall be retained for not less than three years after the final Public Assistance projects are all completed. These records shall include, but are not necessarily limited to the following: rationale for the method of procurement, selection of contract type, contractor selection or rejection, and the basis for the contract price.
- 1040.25.16 The General Manager or designee shall not authorize the use of Time and Materials contracts unless a determination that no other contract is suitable due to emergency or exigent circumstances. Such emergency or exigent circumstances shall be fully documented. A Time and Material type contract means a contract whose cost to a non-Federal entity is the sum of the actual cost of materials; and direct labor hours charged at fixed hourly rates that reflect wages, general and administrative expenses, and profit. Since this formula generates an open-ended contract price, a Time and Materials contract provides no positive profit incentive to the contractor for cost control or labor efficiency. Therefore, each Time and Materials contract shall set a ceiling price that the contractor exceeds at its own risk. For all Time and Materials contracts, the District shall assert a high degree of oversight in order to obtain reasonable assurance that the contractor is using efficient methods and effective cost controls. Such oversight shall consist of on-site, active monitoring by a District employee or a third-party independent contractor. The Time and Materials contract monitor shall keep both written and photographic documentation of all work performed.



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# Rubidoux Community Services District

1040.25.17 The General Manager or designee is responsible, in accordance with good administrative practice and sound business judgment, for the settlement of all contractual and administrative issues arising out of procurements. These issues include, but are not limited to, source evaluation, protests, disputes, and claims. These standards do not relieve the District of any contractual responsibilities under its contracts.

1040.25.18 Contracts made by the District are not approved nor disapproved by either the State or Federal government unless there is a violation of State or Federal regulations.

1040.26 2 CFR, Part 200, Section 319 Competition. The General Manager or designee shall ensure that all procurement transactions are conducted in a manner providing full and open competition consistent with the standards of this section.

1040.26.1 In order to ensure objective contractor performance and eliminate unfair competitive advantage, any contractor that develops or drafts specifications, requirements, statements of work, and invitations for bids or requests for proposals shall be excluded from competing for any such procurements.

1040.26.2 The District shall not:

- a) Place unreasonable requirements on firms in order for them to qualify to do business;
- b) Require unnecessary experience and excessive bonding;
- c) Permit noncompetitive pricing practices between firms or between affiliated companies;
- d) Enter into noncompetitive contracts to consultants that are on retainer contracts;
- e) Allow any other organizational conflicts of interest;
- f) Specify only "Brand Name" product(s) instead of allowing an equal product to be offered and shall describe the performance or other relevant requirements of the procurement. Language such as "Brand Name product or equal" is acceptable and does not limit competition; and
- g) Proscribe any other arbitrary action in the procurement process.

1040.26.3 For all contracts funded by a Federal grant, the District shall not use any local geographical preferences in the evaluation of bids or proposals, unless an applicable Federal statute expressly mandates or encourages a geographic preference.

1040.26.4 The previous section notwithstanding, when the District contracts for architectural and engineering (A/E) services, geographic location may be a selection criterion provided its

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# Rubidoux Community Services District

application leaves an appropriate number of qualified firms, given the nature and size of the project, to compete for the contract.

- 1040.26.5 The District shall incorporate a clear and accurate description of the technical requirements for the material, product, or service to be procured.
- 1040.26.6 These descriptions shall not, in competitive procurements, contain features which unduly restrict competition. The descriptions may include a statement of the qualitative nature of the material, product or service to be procured and, when necessary, shall set forth those minimum essential characteristics and standards to which it shall conform if it is to satisfy its intended use.
- 1040.26.7 When possible, detailed product specifications shall be avoided.
- 1040.26.8 When it is impractical or uneconomical to make a clear and accurate description of the technical requirements, a "Brand Name" or equivalent description may be used as a means to define the performance or other salient requirements of procurement.
- 1040.26.9 The specific features of the named Brand which shall be met by bids shall be clearly stated and identify all requirements which the bidders shall fulfill and all other factors to be used in evaluating bids or proposals.
- 1040.26.10 The District shall ensure that all prequalified lists of persons, firms, or products which are used in acquiring goods and services are current and include enough qualified sources to ensure maximum open and free competition.
- 1040.26.11 The previous section notwithstanding, the District shall not preclude potential bidders from qualifying during the bid solicitation period.

1040.27 2 CFR, Part 200, Section 320 Methods of Procurement to be Followed. The District shall use one of the following methods of procurement any time when Federal grant funding is involved in a project. This applies to both disaster related grants under the FEMA Public Assistance program and any other Federal grants.

- a) Purchases may be made by Micro-Purchase, which is the acquisition of supplies or services, the aggregate dollar amount of which does not exceed \$10,000 (or \$2,000 in the case of acquisitions for construction subject to the Davis-Bacon Act). To the extent practicable, the District shall distribute Micro-Purchases equitably among qualified suppliers, including women owned, minority owned and other qualified disadvantaged businesses. Micro-Purchases may be awarded without soliciting competitive quotations if the District considers the price to be reasonable.
- b) The District defines small purchases as those over the Micro Purchase limit of \$10,000, but up to the Federal Simplified Acquisition Threshold of \$250,000. The District shall adjust these purchase limits to conform with 2 CFR, Part 200 as it may be amended from time to time. Small purchase procedures are those relatively simple and informal procurement methods for securing services, supplies, or other property that do not cost more than the Federal Simplified Acquisition Threshold

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# Rubidoux Community Services District

of \$250,000. Using the small purchase procedures, the District shall solicit and properly document at least three (3) bids, quotations, or published rate sheets for all purchases over the Micro Purchase limit of \$10,000.

- c) For all purchases over \$250,000 or any purchase for less than \$250,000 which may exceed \$250,000 when change orders are likely, the District shall use a formal (advertised) sealed bid process. Formal bids shall be publicly solicited and a firm fixed price contract (lump sum or unit price) shall be awarded to the responsible bidder whose bid, conforming to all the material terms and conditions of the invitation for bids, is the lowest in price. The formal sealed bid method of purchasing shall be used when:
  - a) A complete, adequate, and realistic specification or purchase description is available;
  - b) Three (3) or more responsible bidders are willing and able to compete effectively for the business; and
  - c) The procurement lends itself to a firm fixed price contract and the selection of the successful bidder can be made principally on the basis of price.

1040.27.1 The use of PlanetBids, or similar e-Procurement systems shall satisfy the “publicly advertised” requirement which follows. The District shall apply the following conditions for sealed bids:

- a) The invitation for bids shall be publicly advertised and bids shall be solicited from an adequate number of known suppliers, providing them sufficient response time prior to the date set for opening the bids;
- b) The invitation for bids, shall include any specifications and pertinent attachments, and shall define the items or services in order for the bidder to properly respond;
- c) All bids shall be publicly opened at the time and place prescribed in the invitation for bids;
- d) The District shall award a firm fixed price contract in writing to the lowest responsive and responsible bidder. Where specified in bidding documents, factors such as discounts, transportation cost, and life cycle costs shall be considered in determining which bid is lowest. The District shall only use payment discounts to determine the low bid when prior experience indicates that such discounts are usually taken advantage of;
- e) The District shall reserve the right to reject any or all bids when there is a sound documented reason.

1040.27.2 The District may use the technique of competitive proposals when three (3) or more sources submit an offer, and either a fixed price or cost reimbursement type contract is awarded. If competitive proposals are used, the following requirements apply:

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# Rubidoux Community Services District

- a) Requests for proposals are publicized and identify all evaluation factors and their relative importance; and
- b) Any response to publicized requests for proposals shall be considered to the maximum extent practical; and
- c) Proposals are received from an adequate number of qualified sources, and
- d) The District uses a written method for conducting technical evaluations of the proposals received and for selecting recipients; and
- e) The contract is awarded to the responsible firm whose proposal is most advantageous to the District, with price and other factors considered;

1040.27.2.1 The District shall only use competitive proposals where price is not one of the determining factors only for architectural and engineering contracts, and the most qualified competitor is selected, subject to negotiation of fair and reasonable compensation.

1040.27.2.2 The District shall not use competitive proposals where price is not one of the determining factors for any other contractual service, except for architectural or engineering services, even though the contractor may be an architectural or engineering firm.

1040.27.3 Procurement by noncompetitive proposals is procurement through solicitation of a proposal from an insufficient number of sources and may be used only when one or more of the following circumstances apply:

- a) The item is available only from a single source; or
- b) The public exigency or emergency for the requirement will not permit a delay resulting from competitive solicitation; or
- c) The Federal awarding agency or pass-through entity expressly authorizes noncompetitive proposals in response to a written request from the non-Federal entity; or
- d) After solicitation of a number of sources, competition is determined inadequate.

1040.19.4 In the event of any conflicts: 2 CFR, Part 200 shall prevail if any conflict occurs between this Procurement Policy and State of California procurement laws and regulations.

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## Rubidoux Community Services District

1040.28 2 CFR, Part 200, Section 321 Contracting with Small and Minority Businesses. Women's Business Enterprises, and Labor Surplus Area Firms. It is the policy of the District to solicit business with women owned, minority owned and labor surplus area firms when possible.

- 1040.28.1 The District shall regularly place qualified small and minority businesses and women's business enterprises on solicitation lists;
- 1040.28.2 The District shall assure that small and minority businesses, and women's business enterprises are solicited when they are potential sources;
- 1040.28.3 The District shall, when economically feasible, divide total requirements, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;
- 1040.28.4 The District shall establish delivery schedules, where the requirement permits, to encourage participation by small and minority businesses, and women's business enterprises;
- 1040.28.5 The District shall use the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce; and
- 1040.28.6 The District shall require the prime contractor, if subcontracts are to be let, to take the affirmative steps as listed in 2 CFR, Part 200, section 321.

1040.29 2 CFR, Part 200, Section 322 Domestic Preferences for Procurement. As appropriate and to the extent consistent with law, the non-Federal entity should, to the greatest extent practicable under a Federal award, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). The requirements of this section must be included in all subawards including all contracts and purchase orders for work or products under this award. For purposes of this section:

- a) "Produced in the United States" means, for iron and steel products, that all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States.
- b) "Manufactured products" means items and construction materials composed in whole or in part of non-ferrous metals such as aluminum; plastics and polymer-based products such as polyvinyl chloride pipe; aggregates such as concrete; glass, including optical fiber; and lumber.
- c) Federal agencies providing Federal financial assistance for infrastructure projects must implement the Buy America preferences set forth in 2 CFR part 184.

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# Rubidoux Community Services District

1040.30 2 CFR, Part 200, Section 323 Procurement of Recovered Materials. The District shall comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. Following the requirements of Section 6002 of the Solid Waste Disposal Act, the District shall procure only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR Part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; procure solid waste management services in a manner that maximizes energy and resource recovery; and establish an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

1040.31 2 CFR, Part 200, Section 324 Contract Cost and Price. For all projects with Federal funding, the District shall perform a cost or price analysis in connection with every procurement action in excess of the Federal Simplified Acquisition Threshold of \$250,000, including contract modifications. The District shall make independent cost estimates before receiving bids or proposals. The District shall negotiate profit as a separate element of the price for each contract in which there is no price competition and, in all cases, where cost analysis is performed. The cost or price analysis shall consider the complexity of the work to be performed, the risk borne by the contractor, the contractor's investment, the amount of subcontracting, the quality of its record of past performance, and industry profit rates in the surrounding geographical area for similar work.

1040.31.1 The costs or prices which are based on estimated costs for contracts under a Federal grant are allowable only to the extent that costs incurred or cost estimates included in negotiated prices would be allowable under 2 CFR, Part 200, sections 200.400 through 200.475.

1040.31.2 The District complies with Federal cost principles as per 2 CFR, Part 200, Subpart E – Cost Principles (sections 200.400 to 200.475).

1040.31.3 The District shall not use cost plus a percentage of cost and percentage of construction cost methods of contracting on any Federal grant-funded projects.

1040.32 2 CFR, Part 200, Section 325 Federal Awarding Agency or Pass-Through Entity Review. Upon request of the State of California, the District shall make available, the technical specifications on proposed procurements where the State believes such review is needed to ensure that the item or service specified is the one being proposed for acquisition. Such review, if requested, generally shall take place prior to the time the specification is incorporated into a solicitation document. However, if the District desires to have the review accomplished after a solicitation has been developed, the Federal awarding agency or pass-through entity may still review the specifications, with such review usually limited to the technical aspects of the proposed purchase. The District shall make available upon request by the State of California for a pre-procurement review, procurement documents (such as requests for proposals or invitations for bids), or independent cost estimates, if:

- a) The District's Procurement Policy or operation fail to comply with the procurement standards in this Part;

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# Rubidoux Community Services District

- b) The procurement is expected to exceed the Federal Simplified Acquisition Threshold of \$250,000 and is to be awarded without competition or only one bid or offer is received in response to a solicitation;
- c) The procurement is expected to exceed the Federal Simplified Acquisition Threshold of \$250,000 and is to be awarded without competition or only one bid or offer is received in response to a solicitation;
- d) The proposed contract is more than the Federal Simplified Acquisition Threshold of \$250,000 and is to be awarded to other than the apparent low bidder under a sealed bid procurement; or
- e) A proposed contract modification changes the scope of a contract or increases the contract amount by more than the Federal Simplified Acquisition Threshold of \$250,000.

1040.32.1 The District is exempt from the pre-procurement review of this section if the State of California determines that the procurement systems comply with the standards of this part.

1040.32.2 The General Manager or designee may self-certify the District's procurement system. However, such self-certification does not limit the Federal awarding agency's right to survey the system.

1040.32.3 This Procurement Policy cites the specific policies, procedures, regulations, and standards as following these requirements and the policies and procedures are available for review.

1040.33 2 CFR, Part 200, Section 326 Bonding Requirements. When Federal grant funding is used for construction or facility improvement contracts or subcontracts exceeding the Federal Simplified Acquisition Threshold of \$250,000, the District shall follow the following bonding requirements to adequately protect the Federal interest:

- a) A bid guarantee from each bidder equivalent to five percent of the bid price. The bid guarantee shall consist of a firm commitment such as a bid bond, certified check, or other negotiable instrument accompanying a bid as assurance that the bidder shall, upon acceptance of the bid, execute such contractual documents as may be required within the time specified.
- b) A performance bond on the part of the contractor for 100 percent of the contract price. A performance bond is one executed in connection with a contract to secure fulfillment of all the contractor's obligations under such contract.
- c) A payment bond on the part of the contractor for 100 percent of the contract price. A payment bond is one executed in connection with a contract to assure payment as required by law of all persons supplying labor and material in the execution of the work provided for in the contract.

1040.34 2 CFR, Part 200, Section 327 Contract Provisions. In all procurements involving Federal grant funding, the District shall comply with 2 CFR, Part 200, section 327.

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# Rubidoux Community Services District

- 1040.34.1 Legal and Contractual Remedies. Contracts for more than the Federal Simplified Acquisition Threshold of \$250,000, shall address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate.
- 1040.34.2 Termination for Cause. All contracts in excess of \$10,000 shall address termination for cause and for convenience by the District including the manner by which it shall be effected and the basis for settlement, as set forth in the contract.
- 1040.34.3 Equal Employment Opportunity. Except as otherwise provided under 41 CFR Part 60, all contracts that meet the definition of "federally assisted construction contract" in 41 CFR Part 60 1.3 shall include the equal opportunity clause provided under 41 CFR 60 1.4(b), in accordance with Executive Order 11246, Equal Employment Opportunity (30 FR 12319, 12935, 3 CFR Part, 1964 1965 Comp., p. 339), as amended by Executive Order 11375, Amending Executive Order 11246 Relating to Equal Employment Opportunity, and implementing regulations at 41 CFR part 60, Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor. In cases where the Davis-Bacon act does apply, then, in accordance with the statute, contractors shall be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition:
- a) Contractors shall be required to pay wages not less than once a week
  - b) The non-Federal entity shall place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation.
  - c) The decision to award a contract or subcontract shall be conditioned upon the acceptance of the wage determination.
  - d) The non-Federal entity shall report all suspected or reported violations to the Federal awarding agency.
- 1040.34.4 Copeland Anti-Kickback. For all procurements made with Federal grant funding, the District shall comply with the Copeland Anti-Kickback Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3). The District and each contractor are prohibited from inducing, by any means, any person employed in the construction, completion, or repair of a public work, to give up any part of the compensation to which he or she is otherwise entitled. The District shall report all suspected or reported violations to the Federal awarding agency.
- 1040.34.5 Contract Work Hours and Safety Standards Act. On all procurements made with Federal grant funds in excess of \$100,000, the District shall comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of



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## Rubidoux Community Services District

the Act, each contractor shall be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provide that no laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

- 1040.34.6 Rights to Inventions Made Under a Contract or Agreement. If a Federal grant meets the definition of "funding agreement" under 37 CFR Section 401.2 (a) and the District wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that funding agreement, the District shall comply with the requirements of 37 CFR Part 401, Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements, and any implementing regulations issued by the awarding agency.
- 1040.34.7 Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act (33 U.S.C. 1251-1387), as amended. For Federally funded grant contracts in excess of \$150,000 the District shall comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act (33 U.S.C. 1251-1387), as amended. The District shall report violations to the Federal awarding agency and the Regional Office of the EPA. For all Federally funded grant contracts in excess of the Federal Simplified Acquisition Threshold of \$250,000, the District shall follow the mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. 6201).
- 1040.34.8 Debarment and Suspension (Executive Orders 12549 and 12689). The District shall not make contract awards to any parties listed on the government-wide Excluded Parties List System in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR Part 1986 Comp., p. 189) and 12689 (3 CFR Part 1989 Comp., p. 235), Debarment and Suspension.
- 1040.34.9 Byrd Anti-Lobbying Amendment. In compliance with the Byrd Anti-Lobbying Amendment (31 U.S.C. 1352) Contractors that apply or bid for an award of \$100,000 or more shall file the required certifications. Each tier certifies to the tier above that it shall not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier shall also disclose any

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# Rubidoux Community Services District

lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier, up to the non-Federal award.

## ARTICLE 5: PROCUREMENT STANDARD OF CONDUCT

1040.35 Procurement Standards of Conduct. It is essential that the District personnel and stakeholders involved in the procurement process adhere to a well-defined and established code of ethics.

Definition: Ethical procurement prohibits breach of the public's trust by discouraging a public employee from attempting to realize personal gain through conduct inconsistent with the proper discharge of the employee's duties.

1040.35.1 Conflict of Interest. The District personnel and stakeholders involved in the procurement process shall:

- a) Avoid any private or professional activity that would create a conflict of interest or the appearance of impropriety.
- b) Avoid engaging in personal business with any supplier representative or similar person.
- c) Avoid lending money to or borrowing money from any supplier.
- d) Avoid any and all potential for nepotism.
- e) Avoid any inappropriate overlap of duties in the procurement process.
- f) Safeguard the procurement process from political or outside influence.

1040.35.2 Conduct with Suppliers. Business dealings with suppliers must be fair and transparent. The District personnel and stakeholders shall:

- a) Refrain from showing favoritism or being influenced by suppliers through the acceptance of gifts, gratuities, loans or favors.
- b) Safeguard supplier confidentiality.
- c) Refrain from requiring suppliers to pay to be included on an approved or preferred supplier list.
- d) Refrain from requesting donations of goods or services to the public entity.
- e) Select suppliers on the basis of meeting appropriate and fair criteria.
- f) Discourage the arbitrary or unfair use of purchasing leverage or influence when dealing with suppliers.

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# Rubidoux Community Services District

- g) Avoid the exertion of undue influence or abuses of power.
- h) Treat all suppliers fair and equal.

1040.35.3 Corruption. District personnel and stakeholders who become aware of any corrupt activity have a duty to the District to alert their senior management and/or elected officials. Forms of bribery or corruption may include, but are not limited to:

- a) Bribery is the offering, promising, giving, authorizing or accepting of any undue financial or other advantage to, by or for any persons associated with the procurement process, or for anyone else in order to obtain or retain a business or other improper advantage. Bribery may include (i) kicking back a portion of a contract payment to government or other officials or to employees of the other contracting party, their close relatives, friends or business partners or (ii) using intermediaries such as agents, subcontractors, consultants or other third parties, to channel payments to government or other officials, or to employees of the contracting parties, their relatives, friends or business partners.
- b) Extortion or Solicitation is the demanding of a bribe, whether or not coupled with a threat, if the demand is refused. District personnel and stakeholders will oppose any attempt of extortion or solicitation and are encouraged to report such attempts through available formal or informal reporting mechanisms.
- c) Trading in Influence is the offering or solicitation of an undue advantage in order to exert an improper, real, or supposed influence.
- d) Laundering the proceeds of the corrupt practices mentioned above is the concealing or disguising the illegitimate origin, source, location, disposition, movement, or ownership of property and/or money, knowing that such is the proceeds of crime.
- e) Nepotism is the use of authority or influence to show favoritism to relatives or friends without merit.

1040.35.4 Business Gifts and Hospitality. The offer and receipt of business gifts and entertainment are sensitive areas for public employees, despite being recognized as standard private sector business practice.

**ORDINANCE NO. 2024-138**

**AN ORDINANCE OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT  
AUTHORIZING THE ADOPTION OF FINANCIAL POLICY NUMBER 1040  
'PROCUREMENT POLICY'**

**WHEREAS**, the Rubidoux Community Services District ("District") recognizes the importance of establishing a comprehensive procurement policy to ensure efficient, equitable, and transparent procurement processes; and

**WHEREAS**, the District is committed to maximizing the value of public funds, complying with all applicable laws and regulations, and maintaining the highest standards of ethical conduct in its procurement activities; and

**WHEREAS**, it is in the best interest of the District to implement clear guidelines and procedures for the procurement of goods, services, and works to promote fairness, transparency, and accountability; and

**WHEREAS**, the District seeks to adopt a procurement policy that delineates the methods and procedures to be followed for various procurement activities, including informal and formal procurement, emergency procurement, requirements based on funding source, and sole source procurement; and

**WHEREAS**, the Board of Directors of the Rubidoux Community Services District has determined that it is necessary and appropriate to establish such a procurement policy by ordinance;

**NOW THEREFORE BE IT ORDAINED AS FOLLOWS:**

1. That the Foregoing recitals are true and correct.
2. Adoption of Financial Policy Number 1040 'Procurement Policy'.

3. Ordinance No. 2024-138 the above assessments shall take effect August 18, 2024.

**INTRODUCED** on the 20<sup>th</sup> day, June 2024, **ADOPTED AND APPROVED** on the 18<sup>th</sup> day, July 2024, upon the following roll call vote:

**AYES:**

**NOES:**

**ABSENT:**

**ABSTENTIONS:**

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John Skerbelis, President  
Rubidoux Community Services District

**(SEAL)**

**ATTEST:**

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Brian R. Laddusaw, General Manager-Secretary  
Rubidoux Community Services District

**APPROVED TO FORM AND CONTENT:**

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John R. Harper, District General Counsel

8. **ACTION / DISCUSSION ITEMS** (continued)

- B. **DM 2024-55**: Consider Submitting a Ballot for the California Special Districts Association Board of Directors Seat A, Southern Network

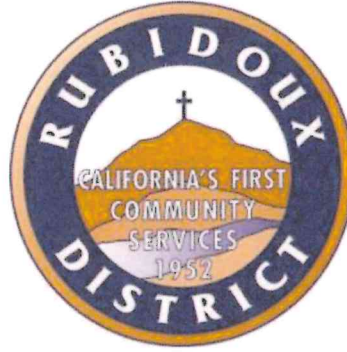
# Rubidoux Community Services District

## Board of Directors

John Skerbelis, President  
Hank Trueba Jr., Vice-President  
Bernard Murphy  
Armando Muniz  
F. Forest Trowbridge

## General Manager

Brian R. Laddusaw



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Water Resource Management    Refuse Collection    Street Lights    Fire / Emergency Services    Weed Abatement

## DIRECTORS MEMORANDUM 2024-55

June 20, 2024

**To:** Rubidoux Community Services District  
Board of Directors

**Subject:** Consider Submitting a Ballot for the California Special Districts Association Board of Directors  
Seat A, Southern Network

## BACKGROUND:

Rubidoux Community Services District ("District") is a member of the California Special Districts Association ("CSDA"). CSDA is a not-for-profit association that was formed in 1969 to promote good governance and improve core local services through professional development, advocacy, and other services for all types of independent special districts.

It has a membership of over 1,000 organizations throughout California representing all types of independent special districts including irrigation, water, park and recreation, cemetery, fire, police protection, library, utility, harbor, healthcare, and community services districts. CSDA provides education and training, insurance programs, legal advice, industry-wide litigation and public relations support, legislative advocacy, capital improvement and equipment funding, collateral design services, and, most importantly, current information that is crucial to a special district's management and operational effectiveness.

On February 5, 2024, District staff received correspondence from CSDA indicating CSDA's call for nominations for CSDA Board of Directors Seat A (Attachment 1).

CSDA governance involves a Board of Directors comprised of six networks with three seats for each network. The networks are geographic areas within the state of California. The District is in the Southern Network. The three representative Board of Director members for each network are on staggered three-year terms. Seat A for the Southern Network has an expiring term, thus the call by CSDA for nominations to fill this position. The seat is currently filled by Jo MacKenzie – Director of Vista Irrigation District. Included in the correspondence received from CSDA was her intention of running for re-election for Seat A, Southern Section. The other two



Southern Network Directors not currently up for re-election are Don Bartz – GM of Phelan Pinon Hills CSD, and Arlene Schafer – Board Vice-President of Costa Mesa Sanitary District.

For this election period, the Board of Directors (“Board”) ultimately decided not to submit a nomination form on behalf of any of the Directors.

On June 10, 2024, the District was informed the election period has commenced. Voting will be conducted electronically (web-based online voting system). The District has until July 26, 2024, to submit a ballot. The ballot includes three candidates (Attachment 2).

The candidates are:

- A) Jo MacKenzie – Director, Vista Irrigation District (Vista, CA)
- B) Jason Dafform – General Manager, Valley Sanitary District (Indio, CA)
- C) Rodd Leja – Director, Jurupa Area Recreation and Parks District (Jurupa Valley, CA)

All candidate information sheets, candidate statements, letters/emails of support for each candidate (if any) are included as Attachment 3.

Staff is making no recommendation to the Board with regards to the election but seeks direction as to the Board’s preferred candidate, if any. Unlike the Local Agency Formation Commission Election where the Board has an opportunity to vote for one (1) or all candidates via a ranking system, the CSDA election only allows for one vote. Staff recommends the Board deliberate and select one candidate and direct the General Manager to electronically vote for the one candidate via the CSDA web-based online voting system.

**RECOMMENDATION:**

Staff recommends the Board of Directors consider the following:

1. Deliberate and select preferred candidate from ballot.
2. Direct the General Manager to submit the ballot based on the Board’s preferred candidate.

Respectfully,



BRIAN R. LADDUSAW, CPA  
General Manager

Attachment(s):

1. CSDA Correspondence dtd February 5, 2024 – CSDA Board of Directors Call for Nominations Seat A
2. 2024 Board of Directors Election Ballot – Term 2025 – 2027; Seat A – Southern Network
3. 2024 Nominees – Candidate information sheets, candidate statements, letters/emails of support



**California Special  
Districts Association**

*Districts Stronger Together*

**DATE:** February 5, 2024  
**TO:** CSDA Voting Member Presidents and General Managers  
**FROM:** CSDA Elections and Bylaws Committee  
**SUBJECT: CSDA BOARD OF DIRECTORS CALL FOR NOMINATIONS  
SEAT A**

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The Elections and Bylaws Committee is looking for Independent Special District Board Members or their General Managers who are interested in leading the direction of the California Special Districts Association for the 2025 - 2027 term.

The leadership of CSDA is elected from its six geographical networks. Each of the six networks has three seats on the Board with staggered 3-year terms. Candidates must be affiliated with an independent special district that is a CSDA Regular Member in good standing and located within the geographic network that they seek to represent.  
(See attached CSDA Network Map)

The CSDA Board of Directors is the governing body responsible for all policy decisions related to CSDA's member services, legislative advocacy, professional development, and other resources for members. The Board of Directors is crucial to the operation of the Association and to the representation of the common interests of all California's special districts before the Legislature and the State Administration. Serving on the Board requires one's interest in the issues confronting special districts statewide.

**Commitment and Expectations:**

- Attend all Board meetings, usually 4-5 meetings annually, at the CSDA office in Sacramento.
- Participate on at least one committee, meets 3-5 times a year at the CSDA office in Sacramento.  
*(CSDA reimburses Directors for their related expenses for Board and committee meetings as outlined in Board policy).*
- Attend, at minimum, the following CSDA annual events: Special Districts Legislative Days - held in the spring, and the CSDA Annual Conference - held in the fall.  
*(CSDA does **not** reimburse expenses for the two conferences even if a Board or committee meeting is held in conjunction with the event)*
- Complete all four modules of CSDA's Special District Leadership Academy within 2 years of being elected.  
*(CSDA does **not** reimburse expenses for the Academy classes even if a Board or committee meeting is held in conjunction with the event).*

**Nomination Procedures:** Any Regular Member district in good standing is eligible to nominate one person, a board member or managerial employee (as defined by that district's Board of Directors), for election to the CSDA Board of Directors. **A copy of the member district's resolution or minute action and Candidate Information Sheet must accompany the nomination. The deadline for receiving nominations is April 10, 2024. Nominations and supporting documentation may be mailed or emailed.**

Mail: 1112 I Street, Suite 200, Sacramento, CA 95814  
Fax: 916.442.7889  
E-mail: [amberp@csda.net](mailto:amberp@csda.net)

**Once received, nominees will receive a candidate's letter. The letter will serve as confirmation that CSDA has received the nomination and will also include campaign guidelines.**

CSDA will begin electronic voting on June 10, 2024. All votes must be received through the system no later than 5:00 p.m. July 26, 2024. The successful candidates will be notified no later than July 30, 2024. All selected Board Members will be introduced at the Annual Conference in Indian Wells, CA in September 2024.

#### **Expiring Terms**

(See enclosed map for Network breakdown)

<b>Northern Network</b>	Seat A – Greg Orsini, Director, McKinleyville Community Services District*
<b>Sierra Network</b>	Seat A – Noelle Mattock, El Dorado Hills Community Services District*
<b>Bay Area Network</b>	Seat A – Chad Davisson, General Manager, Ironhouse Sanitary District*
<b>Central Network</b>	Seat A – Patrick Ostly, General Manager, North of River Sanitary District*
<b>Coastal Network</b>	Seat A – Elaine Magner, Director, Pleasant Valley Recreation & Park District*
<b>Southern Network</b>	Seat A – Jo MacKenzie, Director, Vista Irrigation District*

(\* = Incumbent is running for re-election)

**CSDA will be using a web-based online voting system allowing your district to cast your vote easily and securely. Electronic Ballots will be emailed to the main contact in your district June 10, 2024. All votes must be received through the system no later than 5:00 p.m. July 26, 2024.**

*Districts can opt to cast a paper ballot instead; but you must contact Amber Phelen by e-mail [amberp@csda.net](mailto:amberp@csda.net) **by April 10, 2024** in order to ensure that you will receive a paper ballot on time.*

**CSDA will mail paper ballots on June 10, 2024 per district request only.**

If you have any questions, please contact Amber Phelen at [amberp@csda.net](mailto:amberp@csda.net).



**Agenda Item:** 4 - Establish 2024 Board Elections Timeline

**Item Type:** Discussion/Action

**Submitted By:** Amber Phelen, Management Analyst

**Presented By:** Neil McCormick, Chief Executive Officer

**Strategic Plan Reference:** 1. Association Governance;  
7. Management/Administration

---

**BACKGROUND:**

The nomination process for the 2024 CSDA Board of Directors, Seat A election is quickly approaching. CSDA Bylaws direct that the Election & Bylaws Committee shall set the timeline for elections each year. Below is a staff recommended timeline for the nomination and election process that complies with the noticing periods outlined in the CSDA bylaws. The timeline works backwards from the CSDA Annual Conference start date which is September 9, 2024 this year.

**February 5**            **Nomination applications mailed and emailed out**  
125 days to election start on June 9; bylaws requirement = at least 120 days.

**April 10**            **Nomination application deadline**  
61 days to election start; bylaws requirement = at least 60 days prior to election.

**April 20**            **Nomination application deadline – Coastal Network**  
Per CSDA Bylaws, the deadline shall be extended by 10 days in a Network where there is no incumbent re-running.

**June 10**            **Electronic ballot voting begins – current Regular Members**

**July 26**            **Deadline to receive electronic ballots - current Regular Members**  
45 days until conference; bylaws requirement = at least 45 days.

**July 29 or 30**        **Count ballots and inform candidates of win/loss**

**FISCAL IMPACT:**

None at this time.

**STAFF RECOMMENDATION:**

Staff recommends a motion to approve the 2024 CSDA Board of Directors, Seat A regular election timeline as presented.



Home

How It Works

Logout **Brian Laddusaw**

**CSDA Board of Directors Election Ballot - Term 2025 - 2027; Seat A - Southern Network**

**Please vote for your choice**

Choose **one** of the following candidates:

- Jo MacKenzie, Director, Vista Irrigation District \*
- Jason Dafforn, General Manager, Valley Sanitary District
- Rodd Leja, Director, Jurupa Area Recreation & Park District

\*Incumbent

**Jo MacKenzie\*** [\[view details\]](#)

**Jason Dafforn** [\[view details\]](#)

**Ross Leja** [\[view details\]](#)

Continue

Cancel



**California Special  
Districts Association**

*Districts Stronger Together*

## **2024 CSDA BOARD CANDIDATE INFORMATION SHEET**

**The following information MUST accompany your nomination form and Resolution/minute order:**

**Name:** JO MacKENZIE

**District/Company:** Vista Irrigation District, *CSDA District of Distinction, Platinum Level*

**Title:** Director, Certificate in Special District Governance

**Elected/Appointed/Staff:** Elected

**Length of Service with District:** 32 years

**1. Do you have current involvement with CSDA (such as committees, events, workshops, conferences, Governance Academy, etc.):**

- ✦ CSDA Board of Directors, President 2011, Vice President 2010, Treasurer 2008-2009
- ✦ CSDA Finance Corporation Board of Directors, 2007-present; President 2012, 2013, 2015- present
- ✦ Special District Leadership Foundation Board of Director, Treasurer, currently Vice President
- ✦ Fiscal and Audit Committees, rewrote 'Treasurer Job Description'; Membership Committee 2011-present; Chair 2020-2021, 2022 and 2024
- ✦ Legislative Committee 2004-present; Chair, 2006-2010 and 2012
- ✦ CSDA San Diego Chapter, Board of Directors, 1993-present; President 1998-2000; presently serve on the Chapter Executive Board
- ✦ Attend all Annual Conferences and Legislative Days

**2. Have you ever been associated with any other state-wide associations (CSAC, ACWA, League, etc.):**

- ✦ ACWA: Past Board Director; Local Government, Chair 2014-2015 and Membership Committee
- ✦ ACWA Region 10 Board of Directors, Vice Chair, Alternate Chair, Director 1997-2010
- ✦ The California Association of Local Agency Formation Commissions (CALAFCO), Board Member and Legislative Committee member, 2017-2023

**3. List local government involvement (such as LAFCO, Association of Governments, etc.):**

- ✦ San Diego LAFCO, 1994-present: Commission Chair 2018 & 2019; Alternate 5 years; Special District Advisory Committee 14 years, Chair 2005-2009
- ✦ City of San Marcos Planning and Traffic Commissions
- ✦ Personally initiated the City of San Marcos Budget Review Committee in 1980, Chair 1996-2006
- ✦ Resource Conservation District of Greater San Diego County, Association Director, 2016 to present

**4. List civic organization involvement and recognitions**

- ✦ Special District Official of the Year by PublicCEO
- ✦ CSDA Legislative Advocate of the Year, 2011
- ✦ Graduate of CSDA's Special District Leadership Academy
- ✦ San Marcos Chamber of Commerce, Lifetime Ambassador
- ✦ Graduate of Leadership 2000, Cal State San Marcos
- ✦ Vista Community Development Associates, Treasurer
- ✦ Soroptimist International



## **RE-ELECT JO MACKENZIE**

### **PROVEN EXPERIENCE LEADING SPECIAL DISTRICTS**

- **DEDICATED**
- **FISCALLY RESPONSIBLE**
- **COMMITTED TO SPECIAL DISTRICTS**

It has been a privilege and honor to serve on the CSDA Board of Directors (Board) representing the Southern Network. Serving on the Board requires a commitment of time; I am in Sacramento at least twice a month for CSDA meetings. I have served as President, Vice President and Treasurer, and served as a Chair and/or member of the various committees. In 2010 and 2011, respectively, I was recognized as CSDA's Legislative Advocate of the Year and by PublicCEO as Special District Official of the Year.

During my tenure on the CSDA Board, I have formed working relationships throughout the Network and State that have given me an insight regarding the needs of special districts. Based on these insights and input from other CSDA directors, CSDA has worked to provide webinars at no cost to its members, begun offering the leadership academy three times a year and on-line, and the SDLF Board eliminated budget limits for scholarships. I serve on the CSDA and SDLF Boards, and I am proud of the collaboration that allows all special districts to take advantage of CSDA's programs.

During my term, I have been committed to continue building on the present foundation of CSDA's educational programs, state and federal legislative advocacy, and public outreach. CSDA is now the "voice of Special Districts", "the third leg of local government", and the 'go-to' association for legislative issues.

My proven leadership and public service experience, commitment to fiscal responsibility, and comprehensive LAFCO and special district knowledge make me the most qualified candidate to represent the Southern Network.

I have a true passion for and proven experience in leading Special Districts. I would be honored to continue serving on the CSDA Board as your Southern Network Director.

I am asking for your **Vote**.

**ELECTRONIC VOTING ENDS JULY 26 AT 5:00 P.M.**

**50+ CSDA EDUCATIONAL OPPORTUNITIES ARE LISTED ON  
CSDA'S HOME PAGE**





1391 Engineer Street • Vista, California 92081-8840  
Phone (760) 597-3100 • Fax: (760) 598-8757  
[www.vidwater.org](http://www.vidwater.org)

**Board of Directors**

Richard L. Vásquez, *President, Division 2*  
Marty Miller, *Division 1*  
Peter Kuchinsky II., *Division 3*  
Patrick H. Sanchez, *Division 4*  
Jo MacKenzie, *Division 5*

**Administrative Staff**

Brett L. Hodgkiss  
*General Manager*  
Ramae A. Ogilvie  
*Board Secretary*  
Elizabeth A. Mitchell  
*General Counsel*

June 5, 2024

**Re: Jo MacKenzie for CSDA Board of Directors, Southern Network, Seat A**

Dear Board President:

On February 20, 2024, the Vista Irrigation District (VID) Board nominated Jo MacKenzie to the California Special Districts Association (CSDA) Board of Directors for the Southern Network, Seat A. As President of the Board, I'm requesting that your Board cast its vote for Jo MacKenzie, CSDA Board of Directors. Electronic ballot voting begins on June 10, 2024.

Jo's enthusiasm, commitment, and comprehensive knowledge of special districts have brought a high level of experience to the CSDA Board of Directors. Jo believes it is important that CSDA continue to be the voice of all special districts and build on the present foundation of legislative advocacy, educational programs, and public outreach.

Currently serving on the CSDA Board of Directors (Past President, 2011), Jo serves on the CSDA Legislative Committee; she served as the Committee Chair from 2006-2010 and in 2012 and was named Legislative Advocate of the Year in 2010. Jo currently serves as President of the CSDA Finance Corporation, and Vice President of the Special District Leadership Foundation. She also serves on the CSDA Member Services Committee and is very active with the San Diego Chapter of CSDA, serving as its President 1998-2000.

Jo was elected to the VID Board of Directors in 1992 and has since served as President nine times. She is currently a Commissioner on the San Diego Local Agencies Formation Commission (LAFCO) and served as Chair in 2019-2020; Jo has continuously served in various capacities on LAFCO since 1994. She has also served on the California Association LAFCO Board of Directors. Jo is a past Board Director for the Association of California Water Agencies and currently serves on its Membership and Local Government committees.

Jo is active in her local community, having served on the City of San Marcos Planning Commission, Traffic/Safety Commission, Budget Review Committee and Affordable Housing Task Force. She has also been active in the San Marcos Chamber of Commerce for over 30 years, serving as a Board Member and a Life Member Ambassador.

Jo is extremely active and engaged in all aspects of California special districts and her wealth of experience makes her the obvious choice for Southern Network, Seat A. I urge your Board to vote for Jo MacKenzie to continue her service as Seat A Director for the Southern Network. Thank you for your support!

Very truly yours,

A handwritten signature in blue ink that reads "Richard L. Vásquez".

Richard L. Vásquez  
President, Board of Directors

## **Brian Laddusaw**

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**From:** Ramae Ogilvie <ROgilvie@vidwater.org>  
**Sent:** Wednesday, June 5, 2024 3:17 PM  
**Subject:** Jo MacKenzie for CSDA Board of Directors, Southern Network, Seat A  
**Attachments:** 2024 Jo MacKenzie CSDA Candidate Statement.pdf; 6.5.2024 Letter of Support from VID President Richard Vasquez.docx.pdf

On behalf of the Vista Irrigation District (VID), I am requesting your agency's support and vote for Jo MacKenzie for the California Special Districts Association (CSDA) Board of Directors for the Southern Network, Seat A. We are fortunate to have such a qualified candidate in Director MacKenzie. She has the unanimous support of VID's Board, as noted in the attached letter from VID's Board President Richard Vásquez.

Having known Director MacKenzie for more than 20 years and working with her at VID, I can attest to her very active involvement in special districts and her acquired comprehensive knowledge in statewide and local special districts issues. Attached you will find a candidate's statement summarizing Director MacKenzie's qualifications. As you will see, she possesses the knowledge and experience necessary to be an outstanding, engaged and highly effective CSDA Board member.

I urge your Board of Directors to vote for Jo MacKenzie to continue her service as Seat A Director for the Southern Network on the CSDA Board; electronic ballots will be emailed to your district's contact person on June 10, 2024 and must be received by CSDA by 5:00 PM on July 26, 2024. Please do not hesitate to contact me if have any questions or need additional information. Thank you for your consideration.

Regards,

Brett Hodgkiss  
General Manager  
[bhodgkiss@vidwater.org](mailto:bhodgkiss@vidwater.org)



California Special  
Districts Association  
*Districts Stronger Together*

## 2024 CSDA BOARD CANDIDATE INFORMATION SHEET

The following information **MUST** accompany your nomination form and Resolution/minute order:

**Name:** Jason Dafforn

**District/Company:** Valley Sanitary District

**Title:** General Manager

**Elected/Appointed/Staff:** Staff

**Length of Service with District:** 1 year

- 1. Do you have current involvement with CSDA (such as committees, events, workshops, conferences, Governance Academy, etc.):**

Attend CSDA Conference and Leadership Academy

- 2. Have you ever been associated with any other state-wide associations (CSAC, ACWA, League, etc.):**

ACWA, CASA

- 3. List local government involvement (such as LAFCo, Association of Governments, etc.):**

N/A

- 4. List civic organization involvement:**

Desert Recreation Foundation Board of Directors

**\*\*Candidate Statement – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. Any statements received in the CSDA office after the nomination deadlines will not be included with the ballot.**



# JASON DAFFORN

## for CSDA Board of Directors – Southern Network

**M**y name is Jason Dafforn and I am excited to announce my candidacy for the CSDA Board of Directors, representing the Southern Network, which includes Los Angeles, Orange, San Diego, San Bernardino, Riverside and Imperial counties. I may be new to Valley Sanitary District in Indio, California, but I am not new to special districts.

As a Licensed Civil Engineer with over 30 years of experience in the water and wastewater industry, I bring a wealth of knowledge and expertise to this position. My 17 years of experience as a utility manager for California local governments, including over eight years working for a special district, have given me a deep understanding of the unique challenges and opportunities that our special districts face.

I have dedicated my career to improving water and wastewater services, providing safe and reliable infrastructure for communities. My role as General Manager at Valley Sanitary District has equipped me with the skills to lead and innovate, always striving to find effective solutions to complex problems. I am passionate about the critical role that special districts play in our daily lives. For special districts including irrigation, water, wastewater, park and recreation, cemetery, fire, police protection, library, utility, harbor, healthcare and community services districts—to name a few—I am committed to supporting the essential services we all provide. I aim to bring a strategic and forward-thinking perspective to the Board of Directors, addressing current issues and future challenges to keep CSDA ahead of the curve.

Together, we can shape a stronger, more resilient future for California's special districts. By leveraging the resources and advocacy provided by CSDA, we can enhance the quality of life for all residents and keep our districts at the forefront of delivering essential services.

Thank you for your support!

Jason Dafforn, PE  
General Manager, Valley Sanitary District, Indio, California



My name is Jason Dafforn. I am a Licensed Civil Engineer in the State of California with over 30 years of experience in the water and wastewater industry. I have 17 years of experience as a utility manager working for California local governments, including over eight years working for a special district.

California's special districts play a crucial role in the daily lives of millions, providing essential services ranging from water and sanitation to fire protection, healthcare, and many others. The California Special District Association (CSDA) provides resources, training, state and federal advocacy, and professional development to help special districts across the State flourish.

Today, special districts are confronted with unprecedented challenges. As a special district manager, I have gained a comprehensive understanding of these challenges, which positions me to provide valuable guidance and develop effective resolutions. My fresh ideas and unique perspective will enable the Board of Directors to proactively address current issues and future challenges, keeping CSDA ahead of the curve.

Together, we hold the power to shape the future and provide exceptional resources for special districts in California. By ensuring they remain at the forefront of delivering essential services and improving the quality of life for all residents, we can make a significant impact.

Let us build a stronger, more resilient future for California's special districts and the communities they serve.

**From:** [Holly Gould](#)  
**Subject:** Support Jason Dafforn for CSDA Board of Directors, Southern Network, Seat A!  
**Date:** Friday, June 7, 2024 1:50:16 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[Jason Dafforn CSDA Candidate Statement.pdf](#)

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On behalf of the entire Board of Directors at Valley Sanitary District, located in the City of Indio, I am excited to announce that Jason Dafforn, our General Manager is running for a position on the California Special Districts Association (CSDA) Board of Directors, Southern Network, Seat A.

Mr. Dafforn brings a wealth of experience and knowledge through years working for Special Districts. His ability to foster collaboration amongst individuals working towards a common goal is second to none. As a Board, we are very fortunate and wish to share our General Manager's skills and abilities to serve Special Districts throughout the State and specifically for those here in the southernmost part of California.

Attached, you will find a candidate statement outlining his qualifications and vision for the future of our special districts.

You will receive an electronic ballot via email from CSDA on June 10, voting will remain open until July 26. Please follow the instructions in the email to cast your vote.

I kindly ask for your support in this election. Together, we can build a stronger future for California's special districts. If you have any questions or need further information, please do not hesitate to contact me.

**Please vote for Jason Dafforn, Southern Network, Seat A.**

Thank you,

**Debra Canero**

**Board President**



45500 Van Buren Street  
Indio, CA 92201  
760-238-5400



California Special  
Districts Association  
*Districts Stronger Together*

## 2024 CSDA BOARD CANDIDATE INFORMATION SHEET

The following information **MUST** accompany your nomination form and Resolution/minute order:

Name: ROSS A. LEJA  
District/Company: JURUPA AREA RECREATION & PARK DISTRICT  
Title: DIRECTOR DIVISION 5  
Elected/Appointed/Staff: ELECTED  
Length of Service with District: 6 YEARS

1. Do you have current involvement with CSDA (such as committees, events, workshops, conferences, Governance Academy, etc.):

NO

2. Have you ever been associated with any other state-wide associations (CSAC, ACWA, League, etc.):

NO

3. List local government involvement (such as LAFCo, Association of Governments, etc.):

NONE

4. List civic organization involvement:

JURUPA CHILDRENS CHRISTMAS PARTY

JURUPA DISTRICT LIONS CLUB

**\*\*Candidate Statement – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. Any statements received in the CSDA office after the nomination deadlines will not be included with the ballot.**

---

I am running for the open board position to bring representation for the Inland Empire to CSDA and grow CSDA in the Inland Empire. San Bernardino and Riverside Counties, together known as the Inland Empire, is one of the fastest growing regions of California and home to over 80 special districts. However, the Inland Empire currently has no representation on the Southern District Board.

I currently serve on the Board of Directors for the Jurupa Area Recreation and Parks District (JARPD). Our district serves the city of Jurupa Valley and a portion of the city of Eastvale. I have been in this position for six years. During this time we have grown our district by fourteen facilities. I have made it a mission to develop relationships with the other special districts in our area to help JARPD better serve its residents. I look forward to expanding this mission to the other special districts in the Inland Empire if I am elected to the Board representing the Southern District

I am an eight year Air Force Veteran, husband, father and grandfather. My wife of 49 years and I have made our home in Jurupa Valley for over three decades. I have served on the City of Jurupa Valley Traffic Safety Committee, acting as its first chair for three years. I also served on the Jurupa Unified School District Citizen Oversight Committee for a \$144 million bond measure as both Vice Chair and Chair. A cause close to my heart is my work with the Jurupa Children's Christmas Party, an organization that has distributed presents to underprivileged in Jurupa Valley for over 40 years.

I have always considered service to my country and community a privilege and would like to continue by serving on the board of the California Special Districts Association.



8. **ACTION / DISCUSSION ITEMS** (continued)

- C. **DM 2024-56: PUBLIC HEARING (CANCELLED)** – Consideration to Cancel the Public Protest Hearing Related to Resolution No. 2024-911, A Resolution Adjusting the Solid Waste Collection and Disposal Charges for Residential, Commercial, and Industrial Customers

# Rubidoux Community Services District

## Board of Directors

John Skerbelis, President  
Hank Trueba Jr., Vice-President  
Bernard Murphy  
Armando Muniz  
F. Forest Trowbridge



## General Manager

Brian R. Laddusaw

Water Resource Management    Refuse Collection    Street Lights    Fire / Emergency Services    Weed Abatement

## DIRECTORS MEMORANDUM 2024-56

June 20, 2024

**To:** Rubidoux Community Services District  
Board of Directors

**Subject:** **PUBLIC PROTEST HEARING (CANCELLED)** – Consideration to Cancel the Public Protest Hearing Related to Resolution No. 2024-911, A Resolution Adjusting the Solid Waste Collection and Disposal Charges for Residential, Commercial, and Industrial Customers

### BACKGROUND:

On April 18, 2024, the Rubidoux Community Services District (“District”) Board of Directors (“Board”) authorized staff to mail a Notice of Public Hearing and Protest Election (“Notice”) pursuant to Proposition 218 related to the District’s solid waste collection service charges for its residential, commercial, and industrial customers. The Notice was mailed on April 26, 2024, and included the following information:

1. The amount of the proposed fee or charge to be imposed.
2. The basis upon which it was calculated.
3. The reason for the fee or charge.
4. The date, time, and location of the public hearing.

Burrtec Waste Industries, Inc. (“Burrtec”) proposed rate increases across all service areas and customer classifications. For residential customers with a 90-gallon can, Burrtec was proposing a rate of \$40.14, a \$2.79/month increase, or 7.47%.

On June 10, 2024, the Solid Waste Committee met with Burrtec’s representatives to discuss two items: 1) the proposed FY 2024|2025 solid waste rates and 2) the parties long-term operational relationship.

1. Proposed FY 2024|2025 solid waste rates:

The Solid Waste Committee conveyed its concerns about the year-over-year increases realized by the District’s residential, commercial, and industrial solid waste customers and the jurisdictional differences

in costs between the District and the City of Jurupa Valley. Burrtec agreed to review the proposed rate plan to determine if some of the proposed increase could be reduced. Understanding this effort would take some time to analyze, the District and Burrtec **mutually agreed to delay** the proposed rate adjustments for FY 2024|2025. Burrtec and staff anticipate this process will take 30-60 days to fully vet the FY 2024|2025 rate plan with a goal to minimize the impact to its customers, notably the District’s residential customers. On the advice of the District’s General Counsel, John Harper, once a new rate plan is established, the District would set and notice a new Proposition 218 Public Hearing and Protect Election.

2. Burrtec contract:

The District’s current contract with Burrtec was originally set to expire on December 31, 2022, but included in the contract was “wind-down” language which essentially created a rolling four (4) year “wind-down” period. Simultaneous with the rate discussion highlighted above, the District and Burrtec will soon engage in a dialogue to secure a long-term extension to ensure the parties operational relationship is solidified for years to come. This is a much needed exercise as the District’s current Burrtec contract is 16 years old and relying on outdated terms may result in misunderstandings or misinterpretations of contractual obligations, potentially leading to dispute between parties. Further, the business landscape is constantly evolving, with market conditions, regulations, and technologies continually changing. Outdated contract terms may fail to address these shifts adequately, leaving parties vulnerable to unforeseen risks or missed opportunities.

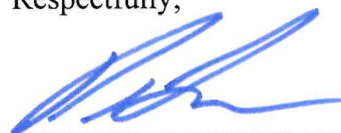
The District was scheduled to conduct the Public Protest Hearing this evening after the mandatory 45-day notice period to hear input from the public with regards to the rate adjustments. After that input and a failed Public Protest Hearing, the Board was scheduled to deliberate on Resolution No. 2024-911 to consider the rate adjustments. Because Burrtec is taking a closer look at the rate plan for FY 2024|2025 and has opted to leave the rates the same until a new plan can be generated, there is no resolution for the Board to consider and therefore no Public Protect Hearing to conduct. Further, the draft Resolution has been removed from the District’s front counter and website to avoid confusion. Staff recommends the Board cancel the Public Protest Hearing, effectively leaving the existing rates in effect for now.

**RECOMMENDATION:**

Staff recommends the Board of Directors consider:

1. Cancelling the Public Hearing and Protest Election related to Resolution No. 2024-911.

Respectfully,



BRIAN R. LADDUSAW, CPA  
General Manager

8. **ACTION / DISCUSSION ITEMS** (continued)

- D. **DM 2024-57**: Consideration to Adopt Draft Rubidoux Community Services District Operations and Capital Improvement Budgets and Salary Schedule for Fiscal Year 2024|2025

# Rubidoux Community Services District

## Board of Directors

John Skerbelis, President  
Hank Trueba Jr., Vice-President  
Bernard Murphy  
Armando Muniz  
F. Forest Trowbridge



## General Manager

Brian R. Laddusaw

---

Water Resource Management    Refuse Collection    Street Lights    Fire / Emergency Services    Weed Abatement

## DIRECTORS MEMORANDUM 2024-57

June 20, 2024

**To:** Rubidoux Community Services District  
Board of Directors

**Subject:** Consideration to Adopt Draft Rubidoux Community Services District Operations and Capital Improvement Budgets and Salary Schedule for Fiscal Year 2024\2025

### BACKGROUND:

Attached for the Board of Directors' ("Board") consideration is the proposed Fiscal Year 2024\2025 ("FY 2025") Budget for the Rubidoux Community Services District's ("District") Operating and Capital Funds. Additionally, attached to the Budget is the District's FY 2024\2025 Salary Schedule.

The District's budgeting cycle is a multi-month process beginning in March 2024. During this time, District management met on a weekly basis to discuss all facets of the District's operations which ultimately become factors when setting budgetary figures. Items considered include but are not limited to the following:

- Current and forecasted operational challenges related to supply chain shortages, inflation, and new treatment processes.
- Critical capital infrastructure spending related to the water and sewer enterprise.
- Costs and debt service associated with the Field/Admin. Building project.
- Allocation of central services and discretionary property tax revenue.
- Preventative maintenance programs and other programmatic initiatives.
- Continued emphasis on reducing the District's Unfunded Accrued Liability ("UAL") through Additional Discretionary Payments ("ADPs").
- Potential capital contributions to the City of Riverside for wastewater treatment plant upgrades.

Each week during the budgeting cycle, management would continuously assign costs to the District's operational and capital fund budgets. As costs were assigned, management simultaneously looked at anticipated revenues associated with each enterprise to determine if sufficient revenues could be generated at the District's

current rates or if a rate adjustment was necessary. Due to significant challenges facing the District as noted above, rate adjustments across the water and wastewater enterprises were necessary for FY 2024/2025. Currently the solid waste enterprise is under evaluation for rate adjustments. Adjustments are estimated once service cost discussions are concluded with the District's current waste hauler. District staff conducted and the Board participated in various rate setting events beginning in March 2024. The timeline of events is highlighted below.

**RATE ADJUSTMENT TIMELINES:**

Solid Waste –

- Solid Waste Committee Meeting – March 19 and April 11, 2024
- Regular Board Meeting – April 18, 2024 (DM 2024-32 Approve Rate Increase and Set Proposition 218 Public Protest Hearing)
- Budget Workshops – May 2, May 16, June 6, 2024
- Regular Board Meeting – June 20, 2024 PUBLIC PROTEST HEARING (CANCELLED) – Consideration to Cancel the Public Protest Hearing Related to Resolution No. 2024-911, A Resolution Adjusting the Solid Waste Collection and Disposal Charges for Residential, Commercial, and Industrial Customers

Wastewater –

- Budget Workshops – May 2, May 16, June 6, 2024
  
- Regular Board Meeting – May 2, 2024 (Consideration to Prepare Draft Ordinance Adjusting Rate)
- Regular Board Meeting – May 16, 2024 (1<sup>st</sup> Reading of Ordinance)
- Regular Board Meeting – June 6, 2024 (2<sup>nd</sup> Reading of Ordinance and Public Hearing)
  - Adoption Approved, Effective July 6, 2024

Water –

- Budget Workshops – May 2, May 16, June 6, 2024
  
- Regular Board Meeting – May 2, 2024 (Consideration to Prepare Draft Ordinance Adjusting Rate)
- Regular Board Meeting – May 16, 2024 (1<sup>st</sup> Reading of Ordinance)
- Regular Board Meeting – June 6, 2024 (2<sup>nd</sup> Reading of Ordinance and Public Hearing)
  - Adoption Approved, Effective July 6, 2024

Since the District's 3<sup>rd</sup> and final budget workshop on June 6, 2024, staff reviewed the draft budget a final time to determine if all budgetary figures appeared appropriate for the Board's consideration and adoption this evening.

The budget presented for approval today includes only minor changes since budget workshop #3 which include the following:

- Updated estimate for Water CIP Budget line item #13 from \$800,000 reduced to \$300,000.
- Formatting
- Inclusion of Budget Amendment from June 6, 2024 Board Meeting. (DM 2024-43)

- Reduction of Solid Waste Revenues/Expenses and Change in Transfer Amount.

**SALARY SCHEDULE:**

The Board is currently involved in two employment contracts with District staff. The District’s bargaining unit employees are represented by the Laborer’s International Union of North America, Local 777 (“LIUNA”) and cost-of-living-adjustments (“COLA”) are based on language contained in Article XXIV in the current Memorandum of Understanding (“MOU”) (attached). The District’s General Manager has a separate employment contract and COLAs are based on language contained in Section 4(B). The COLA language in both contracts is consistent with each other. Additionally, all other District employees not included in the bargaining unit have received COLAs in a similar manner. The District is currently in the last year of a three-year MOU and for FY 2024\2025 will enter into a new three-year period agreement. The initial COLA adjustment entering into the newly established MOU has a stated rate of 3.00% with the subsequent year adjustments. Further, there were special salary considerations negotiated between the District and LIUNA. These special salary considerations were incorporated into the Salary Schedule before the application of the 3.0% COLA.

Attached to the FY 2024\2025 Operating and Capital Fund Budgets is the FY 2024\2025 Salary Schedule for all District staff and classifications. A draft of the FY 2024\2025 Salary Schedule was provided to the Finance and Budget Committee, a committee “of the whole” originally on May 29, 2024 when staff presented on the draft MOU. As of the writing of this DM, the board has not provided any comments on the Salary Schedule as first distributed on May 29, 2024.

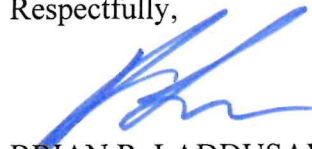
On the advice of General Counsel, the FY 2024\2025 Salary Schedule will be considered as a separate action item, as noted below.

**RECOMMENDATION:**

The General Manager recommends the Board of Directors:

1. Approve and adopt the Rubidoux Community Services District Fiscal Year 2024|2025 Operating and Capital Fund Budgets.
2. Approve and adopt the Rubidoux Community Services District Fiscal Year 2024|2025 Salary Schedule.

Respectfully,



BRIAN R. LADDUSAW, CPA  
General Manager

Attachment(s): FY 2024|2025 Budgets and Salary Schedule

## Rubidoux Community Services District General Fund Budget

	Actual YTD March 2024	Annual Budget 2023/2024 <sup>(1)</sup>	Projected Year End 2023/2024	Favorable (Unfavorable) Variance	Audited 2022/2023	Adopted Budget 2024/2025
<b>Operating Income</b>						
1 Plan Check & Inspection	\$ 13,500	\$ 15,000	\$ 18,000	\$ 3,000	\$ 14,320	\$ 18,000
2 Permits & Licenses	2,052	5,000	2,736	(2,264)	6,550	3,000
3 Administrative Allocation Fire Fund	44,500	89,000	89,000	-	104,220	111,000
4 Administrative Allocation Trash Fund	254,000	508,000	508,000	-	597,127	636,000
5 Administrative Allocation Water Fund	483,500	967,000	967,000	-	1,138,621	1,212,000
6 Administrative Allocation Sewer Fund	288,000	576,000	576,000	-	677,432	721,000
<b>Total Operating Income</b>	<b>1,085,552</b>	<b>2,160,000</b>	<b>2,160,736</b>	<b>736</b>	<b>2,538,270</b>	<b>2,701,000</b>
<b>Other Income</b>						
7 Rental Income	1,913	-	1,913	1,913	17,215	-
8 Interest Income	196,707	185,000	406,707	221,707	204,644	407,000
9 Miscellaneous Income: General	24,094	4,000	32,125	28,125	4,325	33,000
10 Developer EDU Fees: Income	-	-	-	-	1,781,702	-
11 Street Light Charges	1,423	-	1,423	1,423	-	1,000
12 Interest Income: Non-Operational	66,253	62,000	88,338	26,338	63,813	88,000
13 Loan Proceeds - Bldg.	-	-	-	-	1,541,550	-
14 Settlement Proceeds	-	-	-	-	4,708,154	-
<b>Total Other Income</b>	<b>290,390</b>	<b>251,000</b>	<b>530,506</b>	<b>279,506</b>	<b>8,321,403</b>	<b>529,000</b>
<b>TOTAL GENERAL REVENUE</b>	<b>\$1,375,942</b>	<b>\$2,411,000</b>	<b>\$2,691,242</b>	<b>\$280,242</b>	<b>\$10,859,673</b>	<b>\$3,230,000</b>
<b>Operating Expense</b>						
15 R & M Vehicles	\$ 533	\$ 3,000	\$ 711	\$ 2,289	\$ 2,293	\$ 1,000
16 Main/Lease Equipment	4,033	11,000	5,378	5,622	10,446	6,000
17 R & M Office Building	66,827	27,000	89,102	(62,102)	33,088	38,000
18 General Supplies & Expenses	46,038	70,000	61,385	8,615	66,408	63,000
19 Utilities	20,290	22,000	27,054	(5,054)	21,350	28,000
20 Postage Expense: General	25,647	26,000	34,196	(8,196)	31,068	35,000
21 Telephone: General	10,882	13,000	14,509	(1,509)	15,664	15,000
22 Office Supplies: General	9,745	15,000	12,993	2,007	17,283	13,000
23 Dues & Subscriptions	565	8,000	754	7,246	14,988	8,000
24 Licenses & Permits	471	1,000	628	372	918	1,000
25 Clothing Expense	-	2,500	-	2,500	926	1,000
26 Mileage & Conference Expense	1,247	5,000	1,662	3,338	-	7,500
27 Human Resources Development	-	1,000	-	1,000	-	1,000
28 Gasoline Expense	4,092	5,000	5,456	(456)	5,583	6,000
29 General Insurance	9,039	20,000	18,078	1,922	19,349	24,000
30 Attorney Fees	12,300	25,000	16,400	8,600	25,047	17,000
31 Publication of Public Notices	3,279	2,000	4,373	(2,373)	4,034	5,000
32 Miscellaneous Expense	3,207	2,000	4,276	(2,276)	342	4,000
33 Consulting Fee: Labor	15,363	25,000	20,484	4,516	17,669	25,000
34 Consulting Fee: Administrative Oversight	8,844	25,000	11,792	13,208	18,280	12,500
35 Consulting Fee: Communication / Outreach	-	25,000	-	25,000	20,292	10,000
36 Consulting Fee: Leppa LLC	-	1,000	1,000	-	-	-
37 Consulting Fee: Financial	-	10,000	-	10,000	-	10,000
38 Auditors Fees	33,165	34,000	34,830	(830)	35,330	35,000
39 Website Administration	3,976	5,000	4,800	200	4,800	5,000
40 Computer System Support	54,057	116,000	122,076	(6,076)	67,825	147,900
41 Computer Misc. and Hardware	5,217	15,000	6,955	8,045	22,265	47,000
42 Employee Education and Training	17,368	20,000	23,157	(3,157)	13,653	15,000
43 Annexation Work	7,666	-	10,221	(10,221)	48,802	-
<b>Total Operating Expense</b>	<b>363,852</b>	<b>534,500</b>	<b>532,270</b>	<b>2,230</b>	<b>517,705</b>	<b>580,900</b>



## Rubidoux Community Services District General Fund Budget

	Actual YTD March 2024	Annual Budget 2023/2024 <sup>[1]</sup>	Projected Year End 2023/2024	Favorable (Unfavorable) Variance	Audited 2022/2023	Adopted Budget 2024/2025
<b>Administrative Expense</b>						
44 Salaries Expense	678,529	960,000	904,706	55,294	753,698	1,245,000
45 Employee Vacation/Sick Accrual Expense	9,366	10,000	9,366	634	240,122	10,000
46 Payroll Tax Expense	50,232	64,000	66,976	(2,976)	77,965	81,000
47 Health & Retirement Expense	400,753	477,000	534,337	(57,337)	482,270	630,000
48 Retirement Expense - Excess UAL	-	49,000	49,000	-	-	69,000
49 Workers Compensation Ins.	2,822	4,000	3,763	237	8,429	4,000
50 Directors Fees	18,544	33,000	24,725	8,275	28,987	25,000
51 Employee Recognition	135	3,500	135	3,365	-	-
52 Recruitment	-	-	-	-	3,903	-
53 Election Costs	-	-	-	-	1,363	30,000
<b>Total Administrative Expense</b>	<b>1,160,381</b>	<b>1,600,500</b>	<b>1,593,008</b>	<b>7,492</b>	<b>1,596,736</b>	<b>2,094,000</b>
<b>Other Expense</b>						
54 Equipment (OFC) Replacement	-	5,000	-	5,000	-	5,000
55 Street Light Expense	121,253	136,000	161,670	(25,670)	169,312	151,800
56 Building Interest Exp	21,385	43,000	42,770	230	41,271	39,000
57 SB 1383 Cal Recycle Grant Expense	117	-	56,781	(56,781)	-	-
<b>Total Other Expense</b>	<b>142,755</b>	<b>184,000</b>	<b>261,221</b>	<b>(77,221)</b>	<b>210,583</b>	<b>195,800</b>
<b>Total Expense</b>	<b>1,666,988</b>	<b>2,319,000</b>	<b>2,386,499</b>	<b>(67,499)</b>	<b>2,325,024</b>	<b>2,870,700</b>
<b>Asset Acquisitions</b>						
58 NorthStar and Denali Cloud Server	68,484	100,000	68,484	31,517	-	-
59 General Manager Vehicle	-	-	-	-	-	60,000
60 Admin. Bldg. Proj.	45,942	1,395,533	45,942	1,349,591	-	1,350,000
<b>Total Asset Acquisitions</b>	<b>114,426</b>	<b>1,495,533</b>	<b>114,426</b>	<b>1,381,107</b>	<b>-</b>	<b>1,410,000</b>
<b>Long-Term Debt</b>						
61 Debt Service - Building Principal	-	138,000	137,753	247	139,252.00	142,000
<b>Total Long-Term Debt</b>	<b>-</b>	<b>138,000</b>	<b>137,753</b>	<b>247</b>	<b>139,252</b>	<b>142,000</b>
<b>Transfers</b>						
62 Property Tax Transfer In	-	(146,000)	(146,000)	-	390,224	-
63 Transfer from Proj Admin Bldg Reserves	-	(300,000)	(300,000)	-	-	(1,153,920)
64 Transfer to/(from) Unrestricted Reserves	-	(1,232,000)	(1,232,000)	-	(1,046,506)	-
65 Transfer to/(from) Restricted Reserves	-	(1,095,533)	(1,095,533)	-	-	-
66 Transfer to Water Fund	(132,500)	1,232,000	1,232,000	-	-	-
<b>Total Transfers</b>	<b>(132,500)</b>	<b>(1,541,533)</b>	<b>(1,541,533)</b>	<b>-</b>	<b>(656,282)</b>	<b>(1,153,920)</b>
<b>TOTAL GENERAL EXPENSES AND TRANSFERS</b>	<b>\$1,648,914</b>	<b>\$2,411,000</b>	<b>\$1,097,145</b>	<b>\$1,313,855</b>	<b>\$1,807,994</b>	<b>\$3,268,780</b>
<b>Fund Excess (Deficit)</b>						<b>\$ (38,780)</b>

[1] Includes budget amendments adopted by Board of Directors up through June 6, 2024.

## Rubidoux Community Services District Fire / Weed Abatement Fund Budget

	Actual YTD March 2024	Annual Budget 2023/2024 <sup>[1]</sup>	Projected Year End 2023/2024	Favorable (Unfavorable) Variance	Audited 2022/2023	Adopted Budget 2024/2025
<b>Operating Income</b>						
1 Weed Abatement Assessment	\$ 3,994	\$ 3,000	\$ 3,994	\$ 994	\$ 94	\$ 4,000
2 Property Taxes-Secured:Gnrl	2,657,279	3,892,000	4,357,279	465,279	4,207,181	4,444,000
3 Property Taxes-Unsecured	117,019	112,000	124,019	12,019	111,267	126,000
4 Property Taxes-SBE & HOX	82,436	104,000	135,436	31,436	109,432	138,000
5 Property Taxes-SPY & 2345	50,959	98,000	118,959	20,959	129,854	121,000
<b>Total Operating Income</b>	<b>2,911,687</b>	<b>4,209,000</b>	<b>4,739,687</b>	<b>530,687</b>	<b>4,557,827</b>	<b>4,833,000</b>
<b>Other Income</b>						
6 Developer EDU Fees: Income	20,644	565,000	25,644	(539,356)	2,804	26,000
<b>Total Other Income</b>	<b>20,644</b>	<b>565,000</b>	<b>25,644</b>	<b>(539,356)</b>	<b>2,804</b>	<b>26,000</b>
<b>TOTAL FIRE/WEED ABATEMENT REVENUE</b>	<b>\$2,932,331</b>	<b>\$4,774,000</b>	<b>\$4,765,331</b>	<b>(\$8,669)</b>	<b>\$4,560,631</b>	<b>\$4,859,000</b>
<b>Operating Expense</b>						
7 Utilities Fire Dept	\$ 26,088	\$ 29,400	\$ 34,784	\$ (5,384)	\$ 27,400	\$ 30,300
8 Postage Expense: Weed	-	500	-	500	-	500
9 Weed Abatement Contract	-	2,000	-	2,000	-	2,100
10 CDF Contract	720,315	2,955,000	2,915,067	39,933	2,520,193	3,247,000
11 Publication of Public Notices	-	1,000	-	1,000	1,102	1,000
12 Miscellaneous: Fire	-	5,000	-	5,000	7,554	5,200
13 R & M Fire Station	12,279	10,000	16,372	(6,372)	16,564	10,300
14 Landscaping	4,595	7,000	6,127	873	-	7,200
15 Riverside County Admin Charge	8,399	11,100	11,198	(98)	13,877	11,400
16 Consulting Fees	-	2,000	-	2,000	-	28,200
17 Condition Assessment	-	-	-	-	-	10,000
<b>Total Operating Expense</b>	<b>771,676</b>	<b>3,023,000</b>	<b>2,983,548</b>	<b>39,452</b>	<b>2,586,690</b>	<b>3,353,200</b>
<b>Administrative Expense</b>						
18 General Fund Admin. Expense	44,500	89,000	89,000	-	104,200	111,000
<b>Total Administrative Expense</b>	<b>44,500</b>	<b>89,000</b>	<b>89,000</b>	<b>-</b>	<b>104,200</b>	<b>111,000</b>
<b>Asset Acquisitions</b>						
19 Misc. Asset Acq./Replacements	-	250,000	-	250,000	-	250,000
<b>Total Asset Acquisitions</b>	<b>-</b>	<b>250,000</b>	<b>-</b>	<b>250,000</b>	<b>-</b>	<b>250,000</b>
<b>Transfers</b>						
20 Transfer to/(from) Fire Mitigation Fund	-	315,000	25,644	289,356	2,804	(224,000)
21 Property Tax Transfer Out - General	73,000	146,000	146,000	-	390,224	-
22 Property Tax Transfer Out - Trash	59,500	119,000	119,000	-	263,453	159,700
23 Property Tax Transfer Out - Water	391,000	782,000	782,000	-	571,003	784,100
24 Property Tax Transfer Out - Sewer	25,000	50,000	50,000	-	15,000	425,000
<b>Total Transfers</b>	<b>548,500</b>	<b>1,412,000</b>	<b>1,122,644</b>	<b>289,356</b>	<b>1,242,484</b>	<b>1,144,800</b>
<b>TOTAL FIRE/WEED ABATEMENT EXPENSE AND TRANSFERS</b>	<b>\$1,364,676</b>	<b>\$4,774,000</b>	<b>\$4,195,192</b>	<b>\$578,808</b>	<b>\$3,933,374</b>	<b>\$4,859,000</b>
<b>Fund Excess (Deficit)</b>						<b>\$ -</b>

[1] Includes budget amendments adopted by Board of Directors up through June 6, 2024.

## Rubidoux Community Services District Trash Fund Budget

	Actual YTD March 2024	Annual Budget 2023/2024 <sup>[1]</sup>	Projected Year End 2023/2024	Favorable (Unfavorable) Variance	Audited 2022/2023	Adopted Budget 2024/2025
<b>Operating Income</b>						
1 Sales: Trash	\$ 3,797,721	\$ 5,213,000	\$ 5,192,721	\$ (20,279)	\$ 4,885,362	\$ 5,213,000
2 Rolloff Revenue	125,967	150,000	167,956	17,956	140,688	173,000
3 Trash Bag Sales	199	1,000	265	(735)	195	300
<b>Total Operating Income</b>	<b>3,923,888</b>	<b>5,364,000</b>	<b>5,360,942</b>	<b>(3,058)</b>	<b>5,026,245</b>	<b>5,386,300</b>
<b>TOTAL TRASH REVENUE</b>	<b>\$3,923,888</b>	<b>\$5,364,000</b>	<b>\$5,360,942</b>	<b>(\$3,058)</b>	<b>\$5,026,245</b>	<b>\$5,386,300</b>
<b>Operating Expense</b>						
4 Bad Debt Expense: Trash	\$ 10,641	\$ 20,000	\$ 14,188	\$ 5,812	\$ 18,880	\$ 20,000
5 Trash Bags	-	-	4,063	(4,063)	-	-
6 Trash Contract Expense	3,519,035	4,890,000	4,797,618	92,382	4,551,836	4,890,000
<b>Total Operating Expense</b>	<b>3,529,676</b>	<b>4,910,000</b>	<b>4,815,869</b>	<b>94,131</b>	<b>4,570,716</b>	<b>4,910,000</b>
<b>Administrative Expense</b>						
7 General Fund Administrative Expense	254,000	508,000	508,000	-	597,127	636,000
8 SB 1383 Administrative Expense	-	65,000	-	65,000	-	-
<b>Total Administrative Expense</b>	<b>254,000</b>	<b>573,000</b>	<b>508,000</b>	<b>65,000</b>	<b>597,127</b>	<b>636,000</b>
<b>Total Expense</b>	<b>3,783,676</b>	<b>5,483,000</b>	<b>5,323,869</b>	<b>159,131</b>	<b>5,167,843</b>	<b>5,546,000</b>
<b>Transfers</b>						
9 Property Tax Transfer In	-	(119,000)	(119,000)	-	(263,453)	(159,700)
<b>Total Transfers</b>	<b>-</b>	<b>(119,000)</b>	<b>(119,000)</b>	<b>-</b>	<b>(263,453)</b>	<b>(159,700)</b>
<b>TOTAL TRASH EXPENSES AND TRANSFERS</b>	<b>\$3,783,676</b>	<b>\$5,364,000</b>	<b>\$5,204,869</b>	<b>\$159,131</b>	<b>\$4,904,390</b>	<b>\$5,386,300</b>
<b>Fund Excess (Deficit)</b>						<b>\$ -</b>

[1] Includes budget amendments adopted by Board of Directors up through June 6, 2024.

## Rubidoux Community Services District Water Fund Budget

	Actual YTD March 2024	Annual Budget 2023/2024 <sup>[1]</sup>	Projected Year End 2023/2024	Favorable (Unfavorable) Variance	Audited 2022/2023	Adopted Budget 2024/2025
<b>Operating Income</b>						
1 Sales - Residential	\$ 3,953,864	\$ 6,109,000	\$ 5,453,864	\$ (655,136)	\$ 4,357,505	\$ 6,559,000
2 Sales - Commercial	1,169,205	2,037,000	1,409,205	(627,795)	1,698,901	2,186,000
3 Sales - Late Charges	68,255	76,000	91,006	15,006	75,034	92,000
4 Sales - Service Charges	3,777	6,000	5,036	(964)	6,017	6,000
5 Sales - Reconnect Charge	24,550	29,000	32,733	3,733	28,750	33,000
6 Sales - Meters	11,570	95,000	15,427	(79,573)	83,195	95,000
7 Sales - Jumper Income	-	34,000	-	(34,000)	32,000	34,000
8 Sales - JCSD	-	-	-	-	538,118	-
<b>Total Operating Income</b>	<b>5,231,220</b>	<b>8,386,000</b>	<b>7,007,270</b>	<b>(1,378,730)</b>	<b>6,819,520</b>	<b>9,005,000</b>
<b>Other Income</b>						
9 Interest Income	208,717	293,000	421,449	128,449	257,922	421,000
10 Miscellaneous Revenue	6,889	10,000	9,186	(814)	305,599	10,000
11 Interest Income: Non-Operational	51,209	54,000	107,327	53,327	64,983	107,000
12 Grant Income: Cal OES (LHMP)	-	160,000	-	(160,000)	-	43,875
13 Non-Operating Commercial Revenue	-	-	-	-	428,993	-
<b>Total Other Income</b>	<b>266,815</b>	<b>517,000</b>	<b>537,961</b>	<b>20,961</b>	<b>1,057,497</b>	<b>581,875</b>
<b>TOTAL WATER REVENUE</b>	<b>\$ 5,498,035</b>	<b>\$ 8,903,000</b>	<b>\$ 7,545,231</b>	<b>\$ (1,357,769)</b>	<b>\$ 7,877,018</b>	<b>\$ 9,586,875</b>
<b>Operating Expense</b>						
14 Pump Energy Costs	\$ 440,200	\$ 536,000	\$ 586,933	\$ (50,933)	\$ 570,609	\$ 605,000
15 Water Analyses	145,720	243,000	194,293	48,707	228,175	243,000
16 Bad Debt Expense: Wtr	-	22,000	9,000	-	12,135	15,000
17 R & M Vehicle	22,839	23,000	30,452	(7,452)	29,286	31,000
18 R & M Equipment, Heavy	21,018	46,000	28,024	17,976	48,337	29,000
19 R & M Water System (includes asphalt)	395,314	304,000	507,789	(203,789)	409,762	523,000
20 R & M Office	4,879	11,000	6,505	4,495	9,575	7,000
21 R & M Anita B. Smith Plant	-	100,000	-	100,000	-	-
22 Operating Expense	163,602	516,000	318,137	197,863	267,120	428,000
23 Op/Maint Wellhd Treat Facility (N03 Plt)	281,078	324,000	374,770	(50,770)	299,373	436,000
24 Operating Expense: Treatment Media	865,923	1,250,000	905,923	344,077	189,376	1,000,000
25 General Supplies & Expenses	5,121	24,000	6,828	17,172	10,082	7,000
26 Bank Service Charges	95,476	122,000	127,301	(5,301)	120,488	131,000
27 Chemical/Mineral Supplies	30,990	36,000	41,320	(5,320)	32,089	43,000
28 Regulatory Fee/State	8,694	40,000	23,219	16,781	43,182	24,000
29 Clothing/Shoe Expense	11,779	12,000	15,706	(3,706)	10,843	17,000
30 Employee Education and Training	12,965	25,000	17,286	7,714	15,972	25,000
31 Utilities	2,043	3,000	2,724	276	2,781	3,000
32 Telephone	2,769	4,000	3,692	308	3,528	4,000
33 Dues & Subscriptions	811	2,000	1,081	919	1,141	2,000
34 Licenses & Permits	25,356	38,000	33,808	4,192	11,121	38,000
35 Mileage & Conference Expense	-	5,000	-	5,000	1,345	5,000
36 Gasoline Expense	50,682	71,000	67,576	3,424	73,144	70,000
37 Liability Insurance	57,411	127,000	113,111	13,889	120,751	152,000
38 Attorney Fees	-	5,000	-	5,000	-	5,000
39 Consulting Fees:Grant Support Services	44,957	55,000	59,943	(4,943)	9,432	15,000
40 Consulting Fees:Cost of Svc Study(60%WF/40%SF)	3,540	-	4,720	(4,720)	30,999	-
41 Consulting Fees: Utility/Rate	-	15,000	-	15,000	-	15,000
42 Consulting Fees:Safety (50%WF/50%SF)	-	15,000	-	15,000	-	-
43 Consulting Fees:LHMP (75%WF/25%SF)	-	178,000	-	178,000	-	48,750
44 Consulting Fees:Valve Turning Program	-	15,000	-	15,000	5,814	15,000
45 Consulting Fees: SCADA Eval. & Impl.	-	-	-	-	-	-
46 Consulting Fees: Operator Training/SOPs	52,605	119,000	52,605	66,395	153,063	40,000
47 Consulting Fees: Lead and Copper Service Line Inventory	-	31,000	-	31,000	-	31,000
48 Consulting Fees: Urban Water Management Plan update	-	-	-	-	-	20,000
49 Consulting Fees: Leppa	-	7,000	7,000	-	-	-
50 Consulting Fees: Drought, Cons., Water Loss/Eff.	-	45,000	15,000	30,000	15,000	45,000
51 Mission Blvd. Mainline Flushing and Facilities	-	80,000	-	80,000	-	80,000
52 Engineering Fees:WTR	110,404	150,000	147,206	2,794	186,581	180,000
53 Engineering Fees:Master Plans	16,794	-	16,794	(16,794)	12,400	-

## Rubidoux Community Services District Water Fund Budget

	Actual YTD March 2024	Annual Budget 2023/2024 <sup>[1]</sup>	Projected Year End 2023/2024	Favorable (Unfavorable) Variance	Audited 2022/2023	Adopted Budget 2024/2025
54 Engineering Fees:Design Manual(50%WF/50%SF)	-	81,250	47,500	33,750	-	33,750
55 Engineering Fees: Well 8 Down Well Logging and Analysis	24,858	50,000	50,000	-	-	-
56 Engineering Fees: Thompson Plan Manganese Analysis	24,631	30,000	30,000	-	-	-
57 Engineering Fees: Cross Connection Ordinance	-	-	-	-	-	15,000
58 Fleet Tracking(67%WF/33%SF)	2,224	4,000	2,966	1,034	3,452	4,000
59 Loss Claims	4,988	10,000	6,651	3,349	2,014	10,000
60 Publication of Public Notices	-	1,000	1,000	-	-	1,000
61 Miscellaneous Expense	-	1,000	1,000	-	15,000	1,000
62 Imported Water Purchases	-	-	-	-	-	-
63 Computer System Support	-	-	-	-	2,282	-
64 Computer Misc. and Hardware	4,644	10,000	6,193	3,807	11,430	10,000
65 Condition Assessment (75% WF/25% SF)	18,854	223,000	99,300	123,700	-	142,500
66 Water Policy Advocacy	-	15,000	-	15,000	-	15,000
<b>Total Operating Expense</b>	<b>2,953,171</b>	<b>5,024,250</b>	<b>3,963,356</b>	<b>1,047,894</b>	<b>2,957,684</b>	<b>4,565,000</b>
<b>Administrative Expense</b>						
67 Salaries Expense	1,548,269	2,028,000	2,114,358	(86,358)	1,961,556	2,271,000
68 Employee Vacation/Sick Accrual Expense	86,193	103,000	86,193	16,807	47,329	45,000
69 Payroll Tax Expense	123,522	153,000	184,696	(31,696)	158,153	163,000
70 Health & Retirement Expense	763,025	885,000	1,017,366	(132,366)	914,113	1,064,000
71 Retirement Expense - Excess UAL	-	97,000	97,000	-	-	78,000
72 Workers Comp Insurance	51,689	72,000	68,919	3,081	67,158	78,000
73 General Admin. Expense	483,500	967,000	967,000	-	1,138,621	1,212,000
74 Recruitment	-	-	-	-	1,284	-
<b>Total Administrative Expense</b>	<b>3,056,198</b>	<b>4,305,000</b>	<b>4,535,532</b>	<b>(230,532)</b>	<b>4,288,214</b>	<b>4,911,000</b>
<b>Other Expense</b>						
75 SERIES 1998-Misc. Expense	1,500	2,000	1,500	500	5,075	2,000
76 MN Plant 17-18 Interest Exp	42,838	84,000	83,886	114	90,956	77,000
77 Building Interest Exp	28,348	57,000	56,695	305	54,708	51,126
<b>Total Other Expense</b>	<b>72,686</b>	<b>143,000</b>	<b>142,082</b>	<b>918</b>	<b>150,738</b>	<b>130,126</b>
<b>Total Expense</b>	<b>6,082,055</b>	<b>9,472,250</b>	<b>8,640,970</b>	<b>818,280</b>	<b>7,396,636</b>	<b>9,606,126</b>
<b>Asset Acquisitions</b>						
78 Fleet Replacement	43,608	75,000	75,000	-	-	70,000
79 Thompson Disinfection System	15,232	-	15,232	(15,232)	16,346	-
80 Pumps, Valves and Mag Meters	-	150,000	-	150,000	236,753	150,000
81 IT Upgrades and Implementation	21,500	100,000	-	100,000	22,000	60,000
82 Systems Operator Office Upgrade	-	-	-	-	7,351	-
83 Non-Eligible Grant Expense	16,882	-	16,882	(16,882)	56,034	-
84 Backup Pumps	-	-	20,000	(20,000)	-	-
85 Field Building Project	48,220	-	-	-	1,581	-
86 SCADA Replacement - Water Portion (Planning)	-	-	-	-	-	100,000
87 Forklift	-	-	-	-	-	40,000
88 Booster Pumps - Ridgeline x 2	-	-	-	-	-	50,000
<b>Total Asset Acquisitions</b>	<b>145,442</b>	<b>325,000</b>	<b>127,114</b>	<b>197,886</b>	<b>340,065</b>	<b>470,000</b>
<b>Long-Term Debt</b>						
89 Debt Service - MN Plant 17-18 Principal	139,260	281,000	280,310	690	266,349	288,000
90 Debt Service - Building Principal	-	183,000	182,602	398	-	188,200
<b>Total Long-Term Debt</b>	<b>139,260</b>	<b>464,000</b>	<b>462,912</b>	<b>1,088</b>	<b>266,349</b>	<b>476,200</b>

**Rubidoux Community Services District  
Water Fund Budget**

	Actual YTD March 2024	Annual Budget 2023/2024 <sup>[1]</sup>	Projected Year End 2023/2024	Favorable (Unfavorable) Variance	Audited 2022/2023	Adopted Budget 2024/2025
<b>Transfers</b>						
91 Property Tax Transfer In	-	(782,000)	(782,000)	-	571,003	(784,100)
92 Transfer to/(from) COP Reserves	-	(240,000)	(240,000)	-	(1,000,000)	-
93 Transfer to/(from) CIP	-	1,027,000	-	(1,027,000)	-	2,139,639
94 Transfer to/(from) Unrestricted Reserves	973,973	391,750	796,286	(404,536)	196,003	-
95 Transfer to/(from) Restricted Reserves	1,995,741	-	-	-	-	-
96 Transfer to/(from) General Fund	(391,000)	(1,232,000)	20,560	(1,252,560)	-	-
97 Transfer to/(from) Restricted-Grant	(300,000)	-	(300,000)	300,000	-	-
<b>Total Transfers</b>	<b>2,278,714</b>	<b>(835,250)</b>	<b>(505,154)</b>	<b>(2,384,096)</b>	<b>(232,994)</b>	<b>1,355,539</b>
<b>TOTAL WATER EXPENSES AND TRANSFERS</b>	<b>\$ 8,645,471</b>	<b>\$ 9,426,000</b>	<b>\$ 8,725,841</b>	<b>\$ (1,366,841)</b>	<b>\$ 7,770,056</b>	<b>\$ 11,907,865</b>

ESTIMATED JULY 1, 2024 RESERVE \$ 6,702,982

ESTIMATED FISCAL YEAR 24/25 EXCESS (DEFICIT) \$ (2,320,990)

ESTIMATED JUNE 30, 2025 RESERVE \$ 4,381,992

[1] Includes budget amendments adopted by Board of Directors up through June 6, 2024.

**Rubidoux Community Services District  
Water Capital Improvement Project (CIP) Budget  
Master Plan Projects**

	Actual YTD March 2024	Annual Budget 2023/2024 <sup>[1]</sup>	Projected Year End 2023/2024	Favorable (Unfavorable) Variance	Audited 2022/2023	Adopted Budget 2024/2025
<b>Income</b>						
1 Developers EDU Fees: Income	\$ 193,686	\$ 1,292,000	\$ 193,686	\$ (1,098,314)	\$ 1,388,516	\$ 680,000
2 Lennar Tract - Construction in aid of EDU	-	-	-	-	-	1,387,200
3 Contributions in Aid of Construction	-	-	-	-	2,428,737	-
4 Grant Income - USBR - Drought (DSP) - Wstrn	-	850,000	-	-	-	850,000
<b>TOTAL WATER MASTER PLAN REVENUE</b>	<b>\$ 193,686</b>	<b>\$ 2,142,000</b>	<b>\$ 193,686</b>	<b>\$ (1,098,314)</b>	<b>\$ 3,817,253</b>	<b>\$ 2,917,200</b>
<b>Expense</b>						
5 Hunter Tank Site (Preliminary Design)	-	100,000	-	100,000	-	100,000
6 Well 25 Project (USBR - Drought (DSP) - Wstrn)	106,716	1,700,000	-	1,700,000	-	1,700,000
7 Goldenwest Booster Station (Design)	2,410	100,000	25,000	75,000	-	-
8 Goldenwest Booster Station (Construction) Phase 1	-	-	-	-	-	924,000
9 Leland Thompson Water Treatment Facility Basis of Design	-	100,000	-	100,000	-	100,000
10 Lennar Tract - Water Transmission Pipeline	-	-	-	-	-	1,926,858
11 West Valley Intertie	10,578	750,000	-	750,000	-	-
<b>Total Expense</b>	<b>119,705</b>	<b>2,750,000</b>	<b>25,000</b>	<b>2,725,000</b>	<b>-</b>	<b>4,750,858</b>
<b>Transfers</b>						
12 Transfer to/(from) CIP Reserves	1,196,306	(749,000)	-	(749,000)	-	-
13 Transfer to/(from) Water Fund	-	(1,027,000)	-	(1,027,000)	-	-
<b>Total Transfers</b>	<b>1,196,306</b>	<b>(1,776,000)</b>	<b>-</b>	<b>(1,776,000)</b>	<b>-</b>	<b>-</b>
<b>TOTAL WATER CIP EXPENSES AND TRANSFERS</b>	<b>\$ 1,316,011</b>	<b>\$ 974,000</b>	<b>\$ 25,000</b>	<b>\$ 949,000</b>	<b>\$ -</b>	<b>\$ 4,750,858</b>
<b>Fund Excess (Deficit)</b>						<b>\$ (1,833,658)</b>

[1] Includes budget amendments adopted by Board of Directors up through June 6, 2024.

ESTIMATED JULY 1, 2024 MAINLINE (CAPACITY / MP) RESERVE	\$2,627,708
ESTIMATED FISCAL YEAR 24/25 EXCESS (DEFICIT)	(\$1,833,658)
ESTIMATED JUNE 30, 2025 MAINLINE (CAPACITY / MP) RESERVE	<u>\$794,050</u>

**Rubidoux Community Services District  
Water Capital Improvement Project (CIP) Budget**

	<b>Account</b>	<b>Actual YTD March 2024</b>	<b>Annual Budget 2023/2024<sup>[1]</sup></b>	<b>Projected Year End 2023/2024</b>	<b>Favorable (Unfavorable) Variance</b>	<b>Audited 2022/2023</b>	<b>Adopted Budget 2024/2025</b>	
<b>Income</b>								
1	Sales - Water Replacement	4050.300.0.30	\$ 51,072	\$ -	\$ 51,072	\$ 51,072	\$ 170,927	\$ -
2	Grant Income - USBR - AMI		-	-	-	-	-	750,000
<b>TOTAL WATER CAPITAL PROJECT REVENUE</b>			<b>\$51,072</b>	<b>\$0</b>	<b>\$51,072</b>	<b>\$51,072</b>	<b>\$170,927</b>	<b>\$750,000</b>
<b>Expense</b>								
3	Well 8 Rehab		-	-	-	-	-	150,000
4	Tract 37211 Opal Street Water Improvements	7030.011.0.30	33,793	177,659	33,793	143,866	-	144,000
5	District Tank Refurbishments (Phase 2)		-	-	-	-	-	650,000
6	LT WTF Fe/Mn System Backwash Pipe	7030.008.0.30	13,324	890,000	35,000	855,000	-	855,000
7	Goldenwest Booster Station (Construction Phase 1)		-	370,000	-	370,000	-	370,000
8	District at JV Well Sites/LT Expansion (LT Exansion Lot)		-	18,000	-	18,000	-	100,000
9	Annexation Work - Water Pipeline Move (Design)		-	50,000	-	50,000	-	50,000
10	Generator - Well 2 Site		-	266,000	-	266,000	-	198,000
11	Generator - Well 1A Site		-	221,000	-	221,000	-	198,000
12	AMI Project (Grant Funding Approx. 50%)		-	20,000	-	20,000	-	1,500,000
13	Jewel Street Pipeline Extension (400 FT)		-	-	-	-	-	300,000
<b>Total Expense</b>			<b>505,654</b>	<b>2,767,659</b>	<b>527,330</b>	<b>2,240,329</b>	<b>-</b>	<b>4,515,000</b>
<b>Transfers</b>								
14	Transfer to/(from) Reserves		119,922	(1,020,000)	(176,899)	(843,101)	96,654	-
15	Transfer to/(from) Water Fund Unrestricted		-	-	-	-	-	(2,139,639)
16	Transfer to/(from) Water COP Fund		-	-	-	-	-	(1,577,319)
<b>Total Transfers</b>			<b>119,922</b>	<b>(1,020,000)</b>	<b>(176,899)</b>	<b>(843,101)</b>	<b>96,654</b>	<b>(3,716,958)</b>
<b>TOTAL WATER CAPITAL PROJECT EXPENSES AND TRANSFERS</b>			<b>\$625,576</b>	<b>\$1,747,659</b>	<b>\$350,431</b>	<b>\$1,397,228</b>	<b>\$96,654</b>	<b>\$798,042</b>
<b>Fund Excess (Deficit)</b>							<b>\$</b>	<b>(48,042)</b>

[1] Includes budget amendments adopted by Board of Directors up through June 6, 2024.

ESTIMATED JULY 1, 2024 CAPITAL RESERVE \$ 463,042

ESTIMATED FISCAL YEAR 24/25 EXCESS (DEFICIT) \$ (48,042)

ESTIMATED JUNE 30, 2025 CAPITAL RESERVE \$ 415,000



**Rubidoux Community Services District  
COP Water Fund Budget**

	Actual YTD March 2024	Annual Budget 2023/2024 <sup>[1]</sup>	Projected Year End 2023/2024	Favorable (Unfavorable) Variance	Audited 2022/2023	Adopted Budget 2024/2025
<b>Operating Income</b>						
1 Sales - Bond	\$ 330,962	\$ -	\$ 330,962	\$ 330,962	\$ 1,159,713	\$ -
2 SERIES 1998-Interest Income	8,032	10,000	27,977	17,977	18,195	11,667
<b>TOTAL COP WATER REVENUE</b>	<b>\$338,994</b>	<b>\$10,000</b>	<b>\$358,939</b>	<b>\$348,939</b>	<b>\$1,177,908</b>	<b>\$11,667</b>
<b>Other Expense</b>						
3 SERIES 1998-Interest Expense	\$ 28,862	\$ 51,893	\$ 51,893	\$ -	\$ 87,858	\$ 32,402
<b>Total Other Expenses</b>	<b>28,862</b>	<b>51,893</b>	<b>51,893</b>	<b>-</b>	<b>87,858</b>	<b>\$ 32,402</b>
<b>Long-Term Debt</b>						
4 Debt Service - SERIES 1998 Principal	655,000	655,000	655,000	-	625,000	690,000
<b>Total Long-Term Debt</b>	<b>655,000</b>	<b>655,000</b>	<b>655,000</b>	<b>-</b>	<b>625,000</b>	<b>690,000</b>
<b>Transfers</b>						
5 Transfer to/(from) Reserves	(675,830)	(936,893)	(936,893)	-	(694,663)	-
6 Transfer to Water CIP Fund (Balance Closeout)	-	240,000	240,000	-	-	1,577,319
<b>Total Transfers</b>	<b>(675,830)</b>	<b>(696,893)</b>	<b>(696,893)</b>	<b>-</b>	<b>(694,663)</b>	<b>1,577,319</b>
<b>TOTAL COP WATER EXPENSES AND TRANSFERS</b>	<b>\$8,032</b>	<b>\$10,000</b>	<b>\$10,000</b>	<b>\$0</b>	<b>\$18,195</b>	<b>2,299,721</b>
<b>Fund Excess (Deficit)</b>						<b>(2,288,054)</b>

[1] Includes budget amendments adopted by Board of Directors up through June 6, 2024.

<b>ESTIMATED JULY 1, 2024 COP RESERVE</b>	<b>\$ 2,288,054</b>
<b>ESTIMATED FISCAL YEAR 24/25 EXCESS (DEFICIT)</b>	<b>\$ (2,288,054)</b>
<b>ESTIMATED JUNE 30, 2025 COP RESERVE</b>	<b>\$ -</b>

## Rubidoux Community Services District Sewer Fund Budget

	Actual YTD March 2024	Annual Budget 2023/2024 <sup>[1]</sup>	Projected Year End 2023/2024	Favorable (Unfavorable) Variance	Audited 2022/2023	Adopted Budget 2024/2025
<b>Operating Income</b>						
1 Sales - Sewer	\$ 2,193,544	\$ 3,480,000	\$ 3,063,544	\$ (416,456)	\$ 2,602,534	\$ 3,671,000
2 Sales - RST	138,699	-	138,699	138,699	558,047	-
<b>Total Operating Income</b>	<b>2,332,243</b>	<b>3,480,000</b>	<b>3,202,243</b>	<b>(277,757)</b>	<b>3,160,581</b>	<b>3,671,000</b>
<b>Other Income</b>						
3 Interest Income	45,252	55,000	101,286	46,286	48,713	101,000
4 Miscellaneous Income	70,063	2,000	70,063	68,063	-	2,000
5 Permits & Licenses	-	2,000	-	(2,000)	500	2,000
6 Interest Income: Non-Operational	48,228	53,000	102,992	49,992	46,893	103,000
7 Pretreatment Revenue	2,900	-	3,000	3,000	-	4,000
8 Grant Revenue	-	-	-	-	-	14,625
<b>Total Other Income</b>	<b>166,443</b>	<b>112,000</b>	<b>277,341</b>	<b>165,341</b>	<b>96,106</b>	<b>226,625</b>
<b>TOTAL SEWER REVENUE</b>	<b>\$2,498,685</b>	<b>\$3,592,000</b>	<b>\$3,479,584</b>	<b>(\$112,416)</b>	<b>\$3,256,687</b>	<b>\$3,897,625</b>
<b>Operating Expense</b>						
9 Energy Costs	41,901	55,000	55,868	(868)	58,648	58,000
10 Riverside City Treatment Costs	995,022	1,770,000	1,475,022	294,978	1,706,414	1,821,000
11 Industrial Pretreatment Costs	27,093	82,000	36,124	45,876	73,132	84,000
12 Lab Fees	11,699	2,000	15,599	(13,599)	5,130	16,000
13 Bad Debt Expense	-	10,000	6,500	3,500	10,792	7,000
14 R & M Equipment	2,896	10,000	3,861	6,139	7,540	25,000
15 R & M Sewer System	44,791	22,000	59,722	(37,722)	30,036	186,000
16 Hydrowash	29,122	250,000	38,829	211,171	72,188	250,000
17 Operating Expense	17,377	21,000	23,170	(2,170)	23,625	24,000
18 Operating Expense: Video Line Inspection	-	100,000	-	100,000	-	100,000
19 Telephone	449	1,000	599	401	601	1,000
20 Licenses & Permits	7,174	10,000	9,566	434	10,089	10,000
21 Gasoline Expense	7,075	10,000	9,433	567	9,890	10,000
22 Liability Insurance	14,984	33,000	19,978	13,022	31,515	40,000
22 City Riverside Litigation: Appeal	61,579	175,000	110,000	65,000	219,857	-
23 City Riverside Litigation: Retrial	-	-	-	-	-	150,000
24 Consulting Fees: Safety (50%WF/50%SF)	-	15,000	-	15,000	-	-
25 Consulting Fees: LHMP (75%WF/25%SF)	-	-	-	-	-	16,250
26 Consulting Fees: Permit Fee Design	-	12,000	-	12,000	10,841	-
27 Consulting Fees: LEPPA	-	2,000	-	2,000	-	-
28 Consulting Fees: SSMP	-	-	-	-	-	10,000
29 Engineering Fees	6,449	4,000	8,599	(4,599)	18,284	9,000
30 Loss Claims	-	10,000	-	10,000	-	10,000
31 Engineering Fees: Master Plans	-	-	-	-	1,470	-
32 Engineering Fees: Design Manual(50%WF/50%SF)	-	81,250	-	81,250	-	81,000
33 Consulting Fees: Cost of Svc Stdy(60%WF/40%SF)	2,442	-	17,442	(17,442)	20,581	-
34 Consulting Fees: Utility/Rate	-	15,000	-	15,000	-	15,000
35 Jurupa Hills Force Main (Feasibility)	-	-	-	-	-	20,000
36 Fleet Tracking(67%WF/33%SF)	1,096	2,000	1,461	539	1,496	2,000
37 Publication of Public Notices	-	1,000	1,000	-	-	1,000
38 Miscellaneous Expense	20	-	-	-	-	-
39 Condition Assessment (75% WF/25% SF)	6,285	67,000	33,100	33,900	-	47,500
40 Employee Education and Training	-	2,000	-	2,000	372	2,000
<b>Total Operating Expense</b>	<b>1,277,454</b>	<b>2,762,250</b>	<b>1,925,873</b>	<b>836,377</b>	<b>2,312,500</b>	<b>2,995,750</b>
<b>Administrative Expense</b>						
41 Salaries Expense	55,498	75,000	73,998	1,002	76,254	73,000
42 Payroll Tax Expense	4,332	7,000	5,775	1,225	5,865	7,000
43 Health & Retirement Expense	8,070	33,000	10,760	22,240	7,062	39,000
44 Retirement Expense - Excess UAL	-	4,000	-	4,000	-	3,000
45 Workman's Compensation Ins.	1,534	3,000	2,046	954	2,206	2,000
46 General Admin Expense	288,000	576,000	576,000	-	677,432	721,000
<b>Total Administrative Expense</b>	<b>357,434</b>	<b>698,000</b>	<b>668,579</b>	<b>29,421</b>	<b>768,818</b>	<b>845,000</b>
<b>Total Expense</b>	<b>\$1,634,888</b>	<b>\$3,460,250</b>	<b>\$2,594,452</b>	<b>\$865,798</b>	<b>\$3,081,318</b>	<b>\$3,840,750</b>

**Rubidoux Community Services District  
Sewer Fund Budget**

	Actual YTD March 2024	Annual Budget 2023/2024 <sup>[1]</sup>	Projected Year End 2023/2024	Favorable (Unfavorable) Variance	Audited 2022/2023	Adopted Budget 2024/2025
<b>Asset Acquisitions</b>						
47 Pumps: Various	-	50,000	-	50,000	21,190	50,000
48 Regional Muffin Monster	-	-	-	-	-	77,000
49 Drying Beds: Regional (Design)	-	100,000.00	-	100,000	-	100,000
50 SCADA Samsara Alternative	-	-	-	-	-	100,000
51 Other Equipment	-	10,000	-	10,000	5,587	10,000
<b>Total Asset Acquisitions</b>	<b>-</b>	<b>160,000</b>	<b>-</b>	<b>160,000</b>	<b>26,777</b>	<b>337,000</b>
<b>Transfers</b>						
52 Allocation - Net Property Tax Revenues - Sewer	-	(50,000)	(50,000)	-	(15,000)	(425,000)
53 Transfer In General Fund	(25,000)	-	-	-	-	-
54 Transfer to Sewer CIP	-	-	-	-	-	1,199,063
<b>Total Transfers</b>	<b>(25,000)</b>	<b>38,750</b>	<b>(50,000)</b>	<b>88,750</b>	<b>(15,000)</b>	<b>774,063</b>
<b>TOTAL SEWER EXPENSES AND TRANSFERS</b>	<b>\$1,609,888</b>	<b>\$3,659,000</b>	<b>\$2,544,452</b>	<b>\$1,114,548</b>	<b>\$3,093,095</b>	<b>\$4,951,813</b>

ESTIMATED JULY 1, 2024 RESERVE \$ 2,054,836

ESTIMATED FISCAL YEAR 24/25 EXCESS (DEFICIT) \$ (1,054,188)

ESTIMATED JUNE 30, 2025 RESERVE \$ 1,000,649

[1] Includes budget amendments adopted by Board of Directors up through June 6, 2024.

**Rubidoux Community Services District  
Sewer Capital Improvement Project (CIP) Budget  
Master Plan Projects**

	Actual YTD 2024 March	Annual Budget 2023/2024 <sup>[1]</sup>	Projected Year End 2023/2024	Favorable (Unfavorable) Variance	Audited 2022/2023	Adopted Budget 2024/2025
<b>Income</b>						
1 Developers EDU Fees: Income	\$ 140,261	\$ 884,000	\$ 157,681	\$ (726,319)	\$ 897,181	\$ 520,000
2 Contributions in Aid of Construction	-	-	-	-	3,187,999	-
<b>TOTAL SEWER MASTER PLAN REVENUE</b>	<b>\$ 140,261</b>	<b>\$ 884,000</b>	<b>\$ 157,681</b>	<b>\$ (726,319)</b>	<b>\$ 4,085,180</b>	<b>\$ 520,000</b>
<b>Expense</b>						
3 Avalon Street and Alta Street (Seg 1)	\$ -	\$ 10,000	\$ -	\$ 10,000	\$ -	\$ 230,000
<b>Total Expense</b>	<b>-</b>	<b>10,000</b>	<b>-</b>	<b>10,000</b>	<b>-</b>	<b>230,000</b>
<b>Transfers</b>						
4 Transfer to/(from) CIP Reserves	-	807,000	730,263	76,737	-	-
<b>Total Transfers</b>	<b>-</b>	<b>807,000</b>	<b>730,263</b>	<b>76,737</b>	<b>-</b>	<b>-</b>
<b>TOTAL SEWER CIP EXPENSES AND TRANSFERS</b>	<b>\$ -</b>	<b>\$ 817,000</b>	<b>\$ 730,263</b>	<b>\$ 86,737</b>	<b>\$ -</b>	<b>\$ 230,000</b>
<b>Fund Excess (Deficit)</b>						<b>\$ 290,000</b>

[1] Includes budget amendments adopted by Board of Directors up through June 6, 2024.

<b>Estimated July 1, 2024 MAINLINE (CAPACITY / MP) RESERVE</b>	<b>\$ 2,698,391</b>
	<b>\$ 290,000</b>
<b>Estimated June 30, 2025 MAINLINE (CAPACITY / MP) RESERVE</b>	<b><u>\$ 2,988,391</u></b>

**Rubidoux Community Services District  
Sewer Capital Improvement Project (CIP) Budget  
Capital Projects**

	Actual YTD March 2024	Annual Budget 2023/2024 <sup>[1]</sup>	Projected Year End 2023/2024	Favorable (Unfavorable) Variance	Audited 2022/2023	Adopted Budget 2024/2025
<b>Income</b>						
1 Sales Sewer Replacement	\$ 47,578	\$ -	\$ 47,578	\$ 47,578	\$ 112,532	\$ -
<b>TOTAL SEWER CAPITAL PROJECT REVENUE</b>	<b>\$ 47,578</b>	<b>\$ -</b>	<b>\$ 47,578</b>	<b>\$ 47,578</b>	<b>\$ 112,532</b>	<b>\$ -</b>
<b>Expense</b>						
2 Jurupa Hills Force Main (Design)	\$ -	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ 50,000
3 Jurupa Hills Force Main (Construction)	-	-	-	-	-	450,000
4 Belltown Lift Station Rehab (Design)	-	100,000	50,000	50,000	-	50,000
5 Belltown Lift Station Rehab (Construction)	-	-	-	-	-	1,170,000
6 Pipeline Replacement	-	100,000	-	100,000	-	100,000
<b>Total Expense</b>	<b>-</b>	<b>400,000</b>	<b>50,000</b>	<b>350,000</b>	<b>-</b>	<b>1,820,000</b>
<b>Transfers</b>						
7 Transfer to/(from) Replacement Reserves	-	(400,000)	112,512	(512,512)	-	-
8 Transfer to/(from) Sewer Fund Unrestricted	-	-	-	-	-	(1,199,063)
<b>Total Transfers</b>	<b>-</b>	<b>(400,000)</b>	<b>112,512</b>	<b>(512,512)</b>	<b>-</b>	<b>(1,199,063)</b>
<b>TOTAL SEWER CAPITAL PROJECT EXPENSES AND TRANSFERS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 162,512</b>	<b>\$ (162,512)</b>	<b>\$ -</b>	<b>\$ 620,937</b>
<b>Fund Excess (Deficit)</b>						<b>\$ (620,937)</b>

[1] Includes budget amendments adopted by Board of Directors up through June 6, 2024.

ESTIMATED JULY 1, 2024 Capital Reserve	\$ 620,937
ESTIMATED FISCAL YEAR 24/25 EXCESS (DEFICIT)	\$ (620,937)
ESTIMATED JUNE 30, 2025 RESERVE	<u>\$ -</u>

## Rubidoux Community Services District Field/Admin Building Fund Budget

	Actual YTD March 2024	Annual Budget 2023/2024 <sup>[1]</sup>	Projected Year End 2023/2024	Favorable (Unfavorable) Variance	Audited 2022/2023	Adopted Budget 2024/2025
<b>Operating Income</b>						
1 Sales - Field/Admin Bldg.	\$ 45,977	\$ -	\$ 45,977	\$ 45,977	\$ 107,436	\$ -
<b>Total Operating Income</b>	<b>45,977</b>	<b>-</b>	<b>45,977</b>	<b>45,977</b>	<b>107,436</b>	<b>-</b>
<b>TOTAL FIELD/ADMIN BLDG REVENUE</b>	<b>\$ 45,977</b>	<b>\$ -</b>	<b>\$ 45,977</b>	<b>\$ 45,977</b>	<b>\$ 107,436</b>	<b>\$ -</b>
<b>Operating Expense</b>						
2 Admin/Field Bldg. Proj. (Arch/Eng.)	\$ 82,172	\$ 304,000	\$ 109,563	\$ 194,437	\$ -	\$ 785,312
<b>Total Operating Expense</b>	<b>82,172</b>	<b>304,000</b>	<b>109,563</b>	<b>194,437</b>	<b>-</b>	<b>785,312</b>
<b>Transfers</b>						
3 Transfer to/(from) Field/Admin Reserves	(1,951)	(604,000)	(63,586)	(540,414)	-	-
4 Reserve Transfer to General Fund	-	300,000	-	300,000	-	-
<b>Total Transfers</b>	<b>(1,951)</b>	<b>(304,000)</b>	<b>(63,586)</b>	<b>(240,414)</b>	<b>-</b>	<b>-</b>
<b>TOTAL FIELD/ADMIN BLDG EXPENSES AND TRANSFERS</b>	<b>\$ 80,221</b>	<b>\$ -</b>	<b>\$ 45,977</b>	<b>\$ (45,977)</b>	<b>\$ -</b>	<b>\$ 785,312</b>
<b>Fund Excess (Deficit)</b>						<b>\$ (785,312)</b>

[1] Includes budget amendments adopted by Board of Directors up through June 6, 2024.

Estimated July 1, 2024 FIELD/ADMIN RESERVE	\$ 785,312
ESTIMATED FISCAL YEAR 24/25 EXCESS (DEFICIT)	\$ (785,312)
ESTIMATED JUNE 30, 2025 FIELD/ADMIN RESERVE	<u>\$ -</u>



**RUBIDOUX COMMUNITY SERVICES DISTRICT**

FY 2024-2025 Salary Plan - 3.0% COLA

Approved and Adopted by the Board of Directors 6/20/2024

Payrates Effective 6/24/2024

<b>Job Classification</b>		<b>Step</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<u>Administrative Assistant (Part-Time)</u>	Non-Exempt	Hourly	\$ 23.92	\$ 25.11	\$ 26.37	\$ 27.68	\$ 29.07	\$ 30.52
		Monthly	\$ 2,073.07	\$ 2,176.20	\$ 2,285.40	\$ 2,398.93	\$ 2,519.40	\$ 2,645.07
		Annual	\$ 24,876.80	\$ 26,114.40	\$ 27,424.80	\$ 28,787.20	\$ 30,232.80	\$ 31,740.80
<u>Accounting / Customer Service Clerk I</u>	Non-Exempt	Hourly	\$ 29.75	\$ 31.23	\$ 32.80	\$ 34.43	\$ 36.15	\$ 37.97
		Monthly	\$ 5,156.67	\$ 5,413.20	\$ 5,685.33	\$ 5,967.87	\$ 6,266.00	\$ 6,581.47
		Annual	\$ 61,880.00	\$ 64,958.40	\$ 68,224.00	\$ 71,614.40	\$ 75,192.00	\$ 78,977.60
<u>Accounting / Customer Service Clerk II</u>	Non-Exempt	Hourly	\$ 34.63	\$ 36.36	\$ 38.18	\$ 40.09	\$ 42.10	\$ 44.20
		Monthly	\$ 6,002.53	\$ 6,302.40	\$ 6,617.87	\$ 6,948.93	\$ 7,297.33	\$ 7,661.33
		Annual	\$ 72,030.40	\$ 75,628.80	\$ 79,414.40	\$ 83,387.20	\$ 87,568.00	\$ 91,936.00
<u>Meter Reader</u>	Non-Exempt	Hourly	\$ 29.75	\$ 31.23	\$ 32.80	\$ 34.43	\$ 36.15	\$ 37.97
		Monthly	\$ 5,156.67	\$ 5,413.20	\$ 5,685.33	\$ 5,967.87	\$ 6,266.00	\$ 6,581.47
		Annual	\$ 61,880.00	\$ 64,958.40	\$ 68,224.00	\$ 71,614.40	\$ 75,192.00	\$ 78,977.60
<u>Utility Maintenance Worker I</u>	Non-Exempt	Hourly	\$ 30.65	\$ 32.19	\$ 33.79	\$ 35.47	\$ 37.26	\$ 39.12
		Monthly	\$ 5,312.67	\$ 5,579.60	\$ 5,856.93	\$ 6,148.13	\$ 6,458.40	\$ 6,780.80
		Annual	\$ 63,752.00	\$ 66,955.20	\$ 70,283.20	\$ 73,777.60	\$ 77,500.80	\$ 81,369.60
<u>Utility Maintenance Worker II</u>	Non-Exempt	Hourly	\$ 34.63	\$ 36.36	\$ 38.18	\$ 40.09	\$ 42.10	\$ 44.20
		Monthly	\$ 6,002.53	\$ 6,302.40	\$ 6,617.87	\$ 6,948.93	\$ 7,297.33	\$ 7,661.33
		Annual	\$ 72,030.40	\$ 75,628.80	\$ 79,414.40	\$ 83,387.20	\$ 87,568.00	\$ 91,936.00
<u>Senior Utility Maintenance Worker I</u>	Non-Exempt	Hourly	\$ 37.35	\$ 39.21	\$ 41.17	\$ 43.23	\$ 45.39	\$ 47.67
		Monthly	\$ 6,474.00	\$ 6,796.40	\$ 7,136.13	\$ 7,493.20	\$ 7,867.60	\$ 8,262.80
		Annual	\$ 77,688.00	\$ 81,556.80	\$ 85,633.60	\$ 89,918.40	\$ 94,411.20	\$ 99,153.60
<u>Senior Utility Maintenance Worker II</u>	Non-Exempt	Hourly	\$ 41.18	\$ 43.23	\$ 45.39	\$ 47.67	\$ 50.03	\$ 52.54
		Monthly	\$ 7,137.87	\$ 7,493.20	\$ 7,867.60	\$ 8,262.80	\$ 8,671.87	\$ 9,106.93
		Annual	\$ 85,654.40	\$ 89,918.40	\$ 94,411.20	\$ 99,153.60	\$ 104,062.40	\$ 109,283.20
<u>Systems Operator I</u>	Non-Exempt	Hourly	\$ 35.57	\$ 37.35	\$ 39.21	\$ 41.17	\$ 43.23	\$ 45.39
		Monthly	\$ 6,165.47	\$ 6,474.00	\$ 6,796.40	\$ 7,136.13	\$ 7,493.20	\$ 7,867.60
		Annual	\$ 73,985.60	\$ 77,688.00	\$ 81,556.80	\$ 85,633.60	\$ 89,918.40	\$ 94,411.20
<u>Systems Operator II</u>	Non-Exempt	Hourly	\$ 37.35	\$ 39.21	\$ 41.17	\$ 43.23	\$ 45.39	\$ 47.67
		Monthly	\$ 6,474.00	\$ 6,796.40	\$ 7,136.13	\$ 7,493.20	\$ 7,867.60	\$ 8,262.80
		Annual	\$ 77,688.00	\$ 81,556.80	\$ 85,633.60	\$ 89,918.40	\$ 94,411.20	\$ 99,153.60
<u>Senior Systems Operator I</u>	Non-Exempt	Hourly	\$ 45.18	\$ 47.43	\$ 49.80	\$ 52.29	\$ 54.90	\$ 57.65
		Monthly	\$ 7,831.20	\$ 8,221.20	\$ 8,632.00	\$ 9,063.60	\$ 9,516.00	\$ 9,992.67
		Annual	\$ 93,974.40	\$ 98,654.40	\$ 103,584.00	\$ 108,763.20	\$ 114,192.00	\$ 119,912.00
<u>Senior Systems Operator II</u>	Non-Exempt	Hourly	\$ 49.65	\$ 52.13	\$ 54.74	\$ 57.48	\$ 60.36	\$ 63.37
		Monthly	\$ 8,606.00	\$ 9,035.87	\$ 9,488.27	\$ 9,963.20	\$ 10,462.40	\$ 10,984.13
		Annual	\$ 103,272.00	\$ 108,430.40	\$ 113,859.20	\$ 119,558.40	\$ 125,548.80	\$ 131,809.60
<u>Backflow / Cross Connect Inspector</u>	Non-Exempt	Hourly	\$ 38.49	\$ 40.41	\$ 42.43	\$ 44.55	\$ 46.77	\$ 49.12
		Monthly	\$ 6,671.60	\$ 7,004.40	\$ 7,354.53	\$ 7,722.00	\$ 8,106.80	\$ 8,514.13
		Annual	\$ 80,059.20	\$ 84,052.80	\$ 88,254.40	\$ 92,664.00	\$ 97,281.60	\$ 102,169.60

<u>Assistant Engineer</u>	Exempt	Hourly	\$ 59.68	\$ 62.65	\$ 65.79	\$ 69.07	\$ 72.53	\$ 76.16
		Monthly	\$ 10,344.53	\$ 10,859.33	\$ 11,403.60	\$ 11,972.13	\$ 12,571.87	\$ 13,201.07
		Annual	\$ 124,134.40	\$ 130,312.00	\$ 136,843.20	\$ 143,665.60	\$ 150,862.40	\$ 158,412.80
<u>HR Generalist / Safety and Facilities Coordinator</u>	Exempt	Hourly	\$ 47.58	\$ 49.94	\$ 52.44	\$ 55.06	\$ 57.82	\$ 60.72
		Monthly	\$ 8,247.20	\$ 8,656.27	\$ 9,089.60	\$ 9,543.73	\$ 10,022.13	\$ 10,524.80
		Annual	\$ 98,966.40	\$ 103,875.20	\$ 109,075.20	\$ 114,524.80	\$ 120,265.60	\$ 126,297.60
<u>Customer Service / Accounts Payable Manager</u>	Exempt	Hourly	\$ 54.14	\$ 56.85	\$ 59.69	\$ 62.67	\$ 65.80	\$ 69.08
		Monthly	\$ 9,384.27	\$ 9,854.00	\$ 10,346.27	\$ 10,862.80	\$ 11,405.33	\$ 11,973.87
		Annual	\$ 112,611.20	\$ 118,248.00	\$ 124,155.20	\$ 130,353.60	\$ 136,864.00	\$ 143,686.40
<u>Director of Operations</u>	Exempt	Hourly	\$ 73.41	\$ 77.07	\$ 80.94	\$ 84.98	\$ 89.23	\$ 93.69
		Monthly	\$ 12,724.40	\$ 13,358.80	\$ 14,029.60	\$ 14,729.87	\$ 15,466.53	\$ 16,239.60
		Annual	\$ 152,692.80	\$ 160,305.60	\$ 168,355.20	\$ 176,758.40	\$ 185,598.40	\$ 194,875.20
<u>Director of Finance and Administration</u>	Exempt	Hourly	\$ 86.25	\$ 90.57	\$ 95.10	\$ 99.85	\$ 104.83	\$ 110.09
		Monthly	\$ 14,950.00	\$ 15,698.80	\$ 16,484.00	\$ 17,307.33	\$ 18,170.53	\$ 19,082.27
		Annual	\$ 179,400.00	\$ 188,385.60	\$ 197,808.00	\$ 207,688.00	\$ 218,046.40	\$ 228,987.20
<u>Director of Engineering</u>	Exempt	Hourly	\$ 86.25	\$ 90.57	\$ 95.10	\$ 99.85	\$ 104.83	\$ 110.09
		Monthly	\$ 14,950.00	\$ 15,698.80	\$ 16,484.00	\$ 17,307.33	\$ 18,170.53	\$ 19,082.27
		Annual	\$ 179,400.00	\$ 188,385.60	\$ 197,808.00	\$ 207,688.00	\$ 218,046.40	\$ 228,987.20
<u>Assistant General Manager</u>	Exempt	Hourly	\$ 103.50	\$ 108.68	\$ 114.11	\$ 119.82	\$ 125.81	\$ 132.11
		Monthly	\$ 17,940.00	\$ 18,837.87	\$ 19,779.07	\$ 20,768.80	\$ 21,807.07	\$ 22,899.07
		Annual	\$ 215,280.00	\$ 226,054.40	\$ 237,348.80	\$ 249,225.60	\$ 261,684.80	\$ 274,788.80
<u>General Manager</u>	Exempt	Hourly	\$ 121.38					
		Monthly	\$ 21,039.20					
		Annual	\$ 252,470.40	Flat Rate				



8. **ACTION / DISCUSSION ITEMS** (continued)

- E. **CLOSED SESSION**: Pursuant to Government Code 54957.6: Agency Designated Representative: Brian Laddusaw - General Manager, Regarding Labor Negotiations with Employee Organization: Laborers International Union of North America, Local 777

9. **DIRECTORS COMMENTS AND REQUEST**

**10. NEXT MEETING**

Thursday, July 18, 2024, at 4:00 p.m.

11. ADJOURNMENT