

# **TWAIN HARTE COMMUNITY SERVICES DISTRICT**

WATER – SEWER – FIRE – PARK  
22912 Vantage Pointe Drive, Twain Harte, CA 95383  
Phone (209) 586-3172 Fax (209) 586-0424

## **REGULAR MEETING OF THE BOARD OF DIRECTORS THCSD CONFERENCE ROOM 22912 VANTAGE POINTE DR., TWAIN HARTE April 12, 2023 9:00 A.M.**

### **NOTICE: Public May Attend this Meeting In-Person.**

The meeting will be accessible via ZOOM for anyone that chooses to participate virtually:

- Videoconference Link: <https://us02web.zoom.us/j/84630683064>
- Meeting ID: 846 3068 3064
- Telephone: (669) 900-6833

## **AGENDA**

The Board may take action on any item on the agenda.

### **1. Call to Order**

### **2. Pledge of Allegiance & Roll Call**

### **3. Reading of Mission Statement**

### **4. Public Comment**

This time is provided to the public to speak regarding items not listed on this agenda.

### **5. Communications**

- A. Letter to California Air Resources Board – Comments on Proposed Advanced Clean Fleet Regulation.
- B. Letter of Support for Assembly Bill 557 – Extending Provisions for Teleconferenced Open Meetings During Emergencies.

### **6. Consent Agenda:**

- A. Presentation and approval of financial statements through March 31, 2023.
- B. Approval of the minutes of the Regular Meeting held on March 8, 2023.
- C. Approval of the minutes of the Special Meeting held on March 21, 2023.

## 7. New Business

- A. Discussion/action to express appreciation for extraordinary District staff efforts during recent storm events.
- B. Discussion/action regarding the proposed development at the Twain Harte Village Shopping Center and potential impacts on District facilities.
- C. Discuss/action regarding draft rate study revenue requirements findings.

## 8. Reports

- A. President and Board member reports.
- B. Fire Chief's report.
- C. Water/Sewer Operations Manager's report.
- D. General Manager's report.

## 9. Closed Session

- A. Conference with Labor Negotiators pursuant to Government Code §54957.6  
Agency Designated Representatives: General Manager Trott, Finance Officer Higgins and Fire Chief Gamez  
Employee Organization: Stanislaus Consolidated Firefighters L3399, IAFF

## 10. Adjourn

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### **HOW TO VIRTUALLY PARTICIPATE IN THIS MEETING**

The public can virtually observe and participate in a meeting as follows:

- **Computer:** Join the videoconference by clicking the videoconference link located at the top of this agenda or on our website. You may be prompted to enter your name and email. Your email will remain private and you may enter "anonymous" for your name.
- **Smart Phone/Tablet:** Join the videoconference by clicking the videoconference link located at the top of this agenda OR log in through the Zoom mobile app and enter the Meeting ID# and Password found at the top of this agenda. You may be prompted to enter your name and email. Your email will remain private and you may enter "anonymous" for your name.
- **Telephone:** Listen to the meeting by calling Zoom at (4669) 900-6833. Enter the Meeting ID# listed at the top of this agenda, followed by the pound (#) key.

\* NOTE: your personal video will be disabled and your microphone will be automatically muted.

FOR MORE DETAILED INSTRUCTIONS, CLICK [HERE](#)

### **SUBMITTING PUBLIC COMMENT**

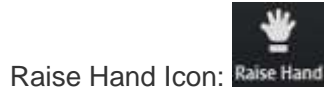
The public will have an opportunity to comment before and during the meeting as follows:

- **Before the Meeting:**

- Email comments to [ksilva@twainhartecsd.com](mailto:ksilva@twainhartecsd.com), write “Public Comment” in the subject line. In the body of the email, include the agenda item number and title, as well as your comments.
- Mail comments to THCS Board Secretary: P.O. Box 649, Twain Harte, CA 95383

- **During the Meeting:**

- Computer/Tablet/Smartphone: Click the “Raise Hand” icon and the host will unmute your audio when it is time to receive public comment. If you would rather make a comment in writing, you may click on the “Q&A” icon and type your comment. You may need to tap your screen or click on “View Participants” to make icons visible.



- Telephone: Press \*9 if to notify the host that you have a comment. The host will unmute you during the public comment period and invite you to share comments.
- In-Person: Raise your hand and the Board Chairperson will call on you.

\* NOTE: If you wish to speak on an item on the agenda, you are welcome to do so during consideration of the agenda item itself. If you wish to speak on a matter that does not appear on the agenda, you may do so during the Public Comment period. Persons speaking during the Public Comment will be limited to five minutes or depending on the number of persons wishing to speak, it may be reduced to allow all members of the public the opportunity to address the Board. Except as otherwise provided by law, no action or discussion shall be taken/conducted on any item not appearing on the agenda. Public comments must be addressed to the board as a whole through the President. Comments to individuals or staff are not permitted.

### **MEETING ETIQUETTE**

Attendees shall make every effort not to disrupt the meeting. Cell phones must be silenced or set in a mode that will not disturb District business during the meeting.

### **ACCESSIBILITY**

Board meetings are accessible to people with disabilities. In compliance with the Americans with Disabilities Act, those requiring accommodations for this meeting should notify the District office 48 hours prior to the meeting at (209) 586-3172.

### **WRITTEN MEETING MATERIALS**

If written materials relating to items on this Agenda are distributed to Board members prior to the meeting, such materials will be made available for public inspection on the District’s website: [www.twainhartecsd.com](http://www.twainhartecsd.com)



# Board Meeting Agenda Item Summary

April 12, 2023

<b>ITEM #:</b>	05A	<b>ITEM TYPE:</b>	<input checked="" type="checkbox"/> Discussion <input type="checkbox"/> Action <input type="checkbox"/> Both
<b>SUBJECT:</b>	Letter to California Air Resources Board – Comments on Proposed Advanced Clean Fleet Regulation.		
<b>RELATION TO STRATEGIC PLAN:</b>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Advances Goal/Objective #'s: _____		

## RECOMMENDED ACTION:

None.

## SUMMARY:

On March 23, 2023, the California Air Resources Board (CARB) released an updated draft of its proposed Advanced Clean Fleet (ACF) Regulation and initiated a formal 15-day comment period. CARB's proposed regulation seeks to mandate zero emission vehicles (ZEV) for all medium-duty and heavy-duty vehicles purchased after January 21, 2027.

The proposed ACF regulation exempts emergency vehicles, as defined by the California Vehicle Code; however this definition does not include water and wastewater vehicles needed to maintain services that impact public health and safety. Many times these vehicles and equipment are needed most when the operation of ZEV's would be interrupted (i.e. power outages, severe weather, and natural disasters). The District's ability to continue protect its customers during emergencies relies on expanded exemption.

## FINANCIAL IMPACT:

None.

## ATTACHMENTS:

- Letter to California Air Resources Board – Comments on Draft Advanced Clean Fleet Regulation.





# Twain Harte Community Services District

22912 Vantage Pointe Dr ▪ Twain Harte, CA 95383

Phone: (209) 586-3172 ▪ Fax: (209) 586-0424

[www.twainhartecsd.com](http://www.twainhartecsd.com)

**Directors: Eileen Mannix ▪ Charlotte Bohlman ▪ Gary Sipperley ▪ Kathryn deGroot ▪ Richard Knudson**

April 7, 2023

Clerk of the Board  
California Air Resources Board (CARB)  
1001 I St., 6<sup>th</sup> Floor  
Sacramento, Ca 95814

SUBMITTED VIA EMAIL: [zevfleet@arb.ca.gov](mailto:zevfleet@arb.ca.gov)

**SUBJECT: Comments on Draft Advanced Clean Fleets (ACF) Regulation**

Dear California Air Resources Board (CARB):

Twain Harte Community Services District (THCSD) appreciates the opportunity to provide comments on CARB's March 23, 2023, draft ACF Regulation. While the latest ACF regulation reflects some of the exemptions and extensions previously requested, THCSD remains seriously concerned with the limited exemptions provided and requests that CARB revise the ACF regulation to incorporate our below comments.

THCSD provides water, sewer, fire and park services to approximately 1,600 customers and businesses in the small, Sierra Nevada town of Twain Harte in Tuolumne County. Severe weather and natural disasters (i.e. blizzards, atmospheric rivers, windstorms, wildfires, floods, landslides, etc.) are common in THCSD's service area. These events frequently cause prolonged power outages and emergency disruption of our services that are critical to public health and safety. To protect the public, THCSD's vehicles and equipment (vacuum trucks, offroad-equipped service trucks, excavators, etc.) must be capable of responding to these events 24 hours per day, 365 days per year. Additionally, these vehicles and equipment often need to remain operational in the field for many hours or days with remote fueling until the emergency has been addressed and public health and safety has been restored.

The AFC Regulation exempts emergency vehicles currently defined in the California Vehicle Code, but this definition is limited and must be expanded to include all vehicles and equipment needed to repair and maintenance water and wastewater facilities, as well as vehicles used to perform wildfire mitigation activities. These vehicles are particularly critical during and following the very events that could interrupt the ability of zero emission vehicles (ZEV) to operate.

THCSD appreciates the challenges that CARB faces in implementing the draft ACF regulation and supports the goals behind the regulation; however, the current draft ACF regulation prevents public agencies like ours from being able to provide services that are critical to the public's health and safety. Please consider expanding the definition of exempt emergency vehicles to keep California's public safe.

Sincerely,

TOM C. TROTT  
General Manager



# Board Meeting Agenda Item Summary

April 12, 2023

<b>ITEM #:</b>	05B	<b>ITEM TYPE:</b>	<input checked="" type="checkbox"/> Discussion <input type="checkbox"/> Action <input type="checkbox"/> Both
<b>SUBJECT:</b>	Letter of Support for Assembly Bill 557 – Extending Provisions for Teleconferenced Open Meetings During Emergencies.		
<b>RELATION TO STRATEGIC PLAN:</b>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Advances Goal/Objective #'s: _____		

## RECOMMENDED ACTION:

None.

## SUMMARY:

On February 8, Assembly Member Gregg Hart (D-37) introduced Assembly Bill 557, CSDA's 2023 sponsored bill on the Brown Act. This is CSDA's sponsored bill and is a follow up to AB 361 passed in 2021. AB 361 established modified remote meeting procedures within the Brown Act for special district meetings during emergencies. AB 361's provisions expire at the end of 2023.

After that point, the provisions added to the Brown Act by AB 361 expire on their own terms, and agencies would completely cease to be able to rely on the process established by AB 361. In order to preserve the modified remote meeting procedures beyond the end of 2023, CSDA has sponsored AB 557, which would abolish the sunset that would otherwise repeal these procedures.

AB 557 also makes one minor change to the timeframe for the renewal resolutions required under the AB 361 framework. Currently, the terms of AB 361 require that an agency looking to rely on its provisions beyond 30 days must pass a resolution recognizing that the state of emergency that prompted the transition to remote meetings remains active, and that conditions persist that prevent the agency from holding meetings safely in-person. AB 557 would change this to 45 days, providing agencies with an additional two weeks and accommodating those agencies that meet monthly on a fixed date that may occasionally fall outside of the original 30-day window provided by AB 361.

## FINANCIAL IMPACT:

None.

## ATTACHMENTS:

- Letter of Support for Assembly Bill 557 – Extending Provisions for Teleconferenced Open Meetings During Emergencies.



# Twain Harte Community Services District

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Directors: Gary Sipperley ▪ Kathryn deGroot ▪ Eileen Mannix ▪ Charlotte Bohlman ▪ Richard Knudson

April 12, 2023

The Honorable Gregg Hart ([lenh.voong@asm.ca.gov](mailto:lenh.voong@asm.ca.gov))  
California State Assembly  
1021 O Street, Suite 6230  
Sacramento, CA 95814

**SUBMITTED ELECTRONICALLY**

**RE: Assembly Bill 557 (Hart) – Support [As Introduced]**

Dear Assembly Member Hart:

The Twain Harte Community Services District is pleased to inform you of our support for Assembly Bill 557, related to emergency remote meeting procedures under the Ralph M. Brown Act.

The changes made to California Government Code section 54953 by Assembly Bill 361 (R. Rivas, 2021) were of vital importance to local agencies looking to meet during the COVID-19 pandemic in order to continue to conduct the people's business. These changes were necessary in order to permit local agencies to meet during a time that it would have otherwise been impossible to meet in-person safely. Important safeguards were included to ensure transparency and accountability, including the fact that the emergency provisions were only applicable in instances where the California Governor had declared a state of emergency.

While California seeks to transition to a post-COVID era, the threat of additional emergencies remains, as has been made abundantly clear by recent flooding and wildfires. Absent any legislative intervention, the processes established by AB 361 to provide remote meeting flexibility to local agencies in emergency circumstances will expire at the end of this year. To remain best-equipped to address future emergencies and allow local agencies to effectively react and respond, AB 557 would eliminate the sunset on the emergency remote meeting procedures added to California Government Code section 54953. Additionally, AB 557 would adjust the timeframe for the resolutions passed to renew an agency's temporary transition to emergency remote meetings to 45 days, up from the previous number of 30 days.

This legislation will preserve an effective tool for local agencies facing emergencies that would otherwise prevent them from conducting the people's business when faced with an emergency. For these reasons, Twain Harte Community Services District is pleased to support Assembly Bill 557. Please feel free to contact me at [emannix@twainhartecsd.com](mailto:emannix@twainhartecsd.com) if you have any questions.

Sincerely,

Eileen Mannix  
Board President

CC: Marcus Detwiler, Legislative Representative, California Special Districts Association ([advocacy@cstda.net](mailto:advocacy@cstda.net))



# Board Meeting Agenda Item Summary

April 12, 2023

<b>ITEM #:</b>	06A	<b>ITEM TYPE:</b>	<input type="checkbox"/> Discussion <input type="checkbox"/> Action <input checked="" type="checkbox"/> Both
<b>SUBJECT:</b>	Presentation and Approval of Financial Statements through March 31, 2023		
<b>RELATION TO STRATEGIC PLAN:</b>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Advances Goal/Objective #'s: _____		

## RECOMMENDED ACTION:

Receive and approve the financial statements through March 31, 2023

## SUMMARY:

This item presents the following Fiscal Year 2022-23 financial statements for all District Funds through March 31, 2023:

- Operating Expenditure Summary
- Capital Expenditure Summary
- Bank Balances – Including a summary of receipts and disbursements

As a general summary of the financial statements:

- Operating expenditures for all funds are below the target of 75% expended.
- Capital expenditures for all funds are below target levels, primarily because larger capital projects will be constructed in summer 2023, expending most of the budget at the end of the year. Some projects are anticipated to span this fiscal year and next fiscal year.
- Bank balances are healthy and as expected. The transfer of funds to the new Five Star Bank operating account and money market account is nearly complete. All accounts have been reconciled.

## FINANCIAL IMPACT:

None.

## ATTACHMENTS:

- Operating Expenditure Summary
- Capital Expenditure Summary
- Bank Balances – Including a summary of receipts and disbursements

**TWAIN HARTE COMMUNITY SERVICES DISTRICT  
22/23 OPERATING EXPENDITURE SUMMARY  
As of March 31, 2023**

<b>Fund</b>	<b>TOTAL Budget*</b>	<b>YTD Expended</b>	<b>Budget Balance</b>	<b>% Spent (Target 75%)</b>
Park	109,265	73,506	35,759	67.27%
Water	1,461,324	1,011,455	449,869	69.21%
Sewer	953,289	568,305	384,984	59.62%
Fire	1,162,298	844,377	317,921	72.65%
Admin	769,329	553,772	215,557	71.98%
<b>TOTAL</b>	<b>\$ 4,455,505</b>	<b>\$ 3,051,415</b>	<b>\$ 1,404,090</b>	<b>68.49%</b>

\*Reflects Budget Rev #6 - Approved 3/21/23

**TWAIN HARTE COMMUNITY SERVICES DISTRICT  
22/23 CAPITAL EXPENDITURE SUMMARY  
As of March 31, 2023**

<b>Fund</b>	<b>TOTAL Budget*</b>	<b>YTD Expended</b>	<b>Budget Balance</b>	<b>% Spent (Target 75%)</b>
Park	2,794,800	129,414	2,665,386	4.63%
Water	1,855,400	27,109	1,828,291	1.46%
Sewer	224,300	2,850	221,450	1.27%
Fire	731,682	154,481	577,201	21.11%
Admin		-	-	
<b>TOTAL</b>	<b>\$ 5,606,182</b>	<b>\$ 313,854</b>	<b>\$ 5,292,328</b>	<b>5.60%</b>

\*Reflects Budget Rev #6 - Approved 3/21/23

**TWAIN HARTE COMMUNITY SERVICES DISTRICT**  
**BANK BALANCES**  
As of March 31, 2023

<b>Account</b>	<b>Beginning Balance</b>	<b>Receipts</b>	<b>Disbursements</b>	<b>Transfers</b>	<b>Current Balance</b>
U.S. Bank Operating**	1,284,393	82,070	(2,120)	(1,287,000)	77,343
Five Star Bank-Operating**	525,413	164,084	(355,265)	130,000	464,232
U.S. Bank - D Grunsky #1**	35,106				35,106
U.S. Bank - D Grunsky #2**	41,183				41,183
LAIF	3,005,969				3,005,969
Five Star Money Market	-	2,308		1,157,000	1,159,308
<b>TOTAL</b>	<b>\$ 4,892,064</b>	<b>\$ 248,462</b>	<b>\$ (357,385)</b>	<b>\$ -</b>	<b>\$ 4,783,141</b>

\*Davis Grunsky reserve money restricted for Davis Grunsky Loan Payments

\*\* In process of changing operating bank accounts



# Board Meeting Agenda Item Summary

April 12, 2023

<b>ITEM #:</b>	06B	<b>ITEM TYPE:</b>	<input type="checkbox"/> Discussion <input type="checkbox"/> Action <input checked="" type="checkbox"/> Both
<b>SUBJECT:</b>	Approval of the Minutes of the Regular Meeting Held on March 8, 2023		
<b>RELATION TO STRATEGIC PLAN:</b>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Advances Goal/Objective #'s: _____		

## RECOMMENDED ACTION:

Approve the minutes of the Regular Meeting held on March 8, 2023.

## SUMMARY:

The California Government Code and District Policy #5060 (Minutes of Board Meetings) requires the District to keep a record of all its actions. As such, the District's Board Secretary prepared draft minutes for the Board's Regular Meeting held on March 8, 2023, in the format required by Policy #5060. The Board's responsibility is to review and approve the draft meeting minutes.

## FINANCIAL IMPACT:

None.

## ATTACHMENTS:

- Minutes of the Regular Meeting held on March 8, 2023



**TWAIN HARTE COMMUNITY SERVICES DISTRICT**  
**Board of Directors Regular Meeting**  
**March 8, 2023**

**CALL TO ORDER:** President Mannix called the meeting to order at 9:00 a.m. The following Directors, Staff, and Community Members were present:

**DIRECTORS:**

Director Mannix, President  
Director Sipperley  
Director Knudson  
Director deGroot  
Director Bohlman

**STAFF:**

Tom Trott, General Manager  
Neil Gamez, Fire Chief  
Lewis Giambruno, Operations Manager

**AUDIENCE:** 4 Attendees

**PUBLIC COMMENT ON NON-AGENDIZED ITEMS:**

*No public comment.*

**CONSENT AGENDA:**

- A. Presentation and approval of financial statements through February 28, 2023.
- B. Approval of the minutes of the Regular Meeting held on February 8, 2023.

***MOTION: Director Sipperley made a motion to accept the consent agenda in its entirety.***

***SECOND: Director deGroot***

***AYES: Mannix, Sipperley, Knudson, deGroot, Bohlman***

***NOES: None***

***ABSTAIN: None***

**NEW BUSINESS:**

- A. Annual review of Policy #1030 – Communications Policy.
- B. Discussion/action to approve proposed revisions to Policy #2031 – Vacation.  
***MOTION: Director deGroot made a motion to approve proposed revisions to Policy #2031 – Vacation.***  
***SECOND: Director Bohlman***  
***AYES: Mannix, Knudson, Sipperley, deGroot, Bohlman***  
***NOES: None***  
***ABSTAIN: None***
- C. Discussion/action to approve proposed revisions to Policy #3100 – Records Retention and Destruction.

**MOTION: Director Bohlman made a motion to approve proposed revisions to Policy #3100 – Records Retention and Destruction.**

**SECOND: Director Sipperley**

**AYES: Mannix, Knudson, Sipperley, deGroot, Bohlman**

**NOES: None**

**ABSTAIN: None**

D. Discussion/action regarding potential impacts of proposed Tuolumne Utilities District water and sewer rate increase on District rates.

E. Discussion/action to approve a revised Mutual Assistance and Administrative Services Agreement with Strawberry Fire Protection District.

**MOTION: Director Sipperley made a motion to approve a revised Mutual Assistance and Administrative Services Agreement with Strawberry Fire Protection District.**

**SECOND: Director deGroot**

**AYES: Mannix, Knudson, Sipperley, deGroot, Bohlman**

**NOES: None**

**ABSTAIN: None**

F. Discussion/action to adopt Resolution #23-04 – Designation of Applicant’s Agent Resolution for Non-State Agencies.

**MOTION: Director deGroot made a motion to adopt Resolution #23-04 – Designation of Applicant’s Agent Resolution for Non-State Agencies.**

**SECOND: Director Knudson**

**AYES: Mannix, Knudson, Sipperley, deGroot, Bohlman**

**NOES: None**

**ABSTAIN: None**

G. Discussion/action to adopt Resolution #23-05 – Approval of a Fiscal Year 2022-23 Park Fund Budget Adjustment for the Tennis/Pickleball Courts Expansion, Ballfield LED Lights and Upgrades, and Skate Park Improvements Projects.

**MOTION: Director Sipperley made a motion to adopt Resolution #23-05 – Approval of a Fiscal Year 2022-23 Park Fund Budget Adjustment for the Tennis/Pickleball Courts Expansion, Ballfield LED Lights and Upgrades, and Skate Park Improvements Projects.**

**SECOND: Director Bohlman**

**AYES: Mannix, Sipperley, deGroot, Bohlman**

**NOES: None**

**ABSTAIN: Knudson**

H. Discussion/action to adopt Resolution #23-06 – Approval of Partial Purchase of the Twain Harte Community Center by the Fire Fund and Approving Fiscal Year 2022-23 Fire and Park Fund Budget Adjustments for said Purchase and Related Community Center Improvements Project.

**MOTION: Director Sipperley made a motion to adopt Resolution #23-06 – Approval of Partial Purchase of the Twain Harte Community Center by the Fire**

***Fund and Approving Fiscal Year 2022-23 Fire and Park Fund Budget Adjustments for said Purchase and Related Community Center Improvements Project.***

***SECOND: Director Bohlman***

***AYES: Mannix, Knudson, Sipperley, deGroot, Bohlman***

***NOES: None***

***ABSTAIN: None***

**REPORTS:**

**President and Board Member Reports**

*-No report.*

**Fire Chief Report by Chief Gamez**

- A verbal summary of the written report was provided by Chief Gamez.*
- A verbal summary of the CERT written report was provided by Carol Hallet.*

**Water/Sewer/Park Operations Report Provided by Operations Manager Giambruno**

*- A verbal summary of the written report was provided.*

**General Manager Report Provided by General Manager Trott**

*- A verbal summary of the written report was provided.*

**CLOSED SESSION: *The Board of Directors convened into closed session at 10:30 a.m.***

- A. Conference with Labor Negotiators pursuant to Government Code §54957.6  
Agency Designated Representatives: General Manager Trott, Finance Officer Higgins and Fire Chief Gamez  
Employee Organization: Stanislaus Consolidated Firefighters L3399, IAFF

*President Mannix reconvened the meeting into regular session at 10:38 a.m. with no reportable action.*

**ADJOURNMENT:**

The meeting was adjourned at 10:39 a.m.

Respectfully submitted,

APPROVED:

\_\_\_\_\_

\_\_\_\_\_

Kimberly Silva, Board Secretary

Eileen Mannix, President



# Board Meeting Agenda Item Summary

April 12, 2023

<b>ITEM #:</b>	06C	<b>ITEM TYPE:</b>	<input type="checkbox"/> Discussion <input type="checkbox"/> Action <input checked="" type="checkbox"/> Both
<b>SUBJECT:</b>	Approval of the Minutes of the Special Meeting Held on March 21, 2023		
<b>RELATION TO STRATEGIC PLAN:</b>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Advances Goal/Objective #'s: _____		

## RECOMMENDED ACTION:

Approve the minutes of the Special Meeting held on March 21, 2023.

## SUMMARY:

The California Government Code and District Policy #5060 (Minutes of Board Meetings) requires the District to keep a record of all its actions. As such, the District's Board Secretary prepared draft minutes for the Board's Special Meeting held on March 21, 2023, in the format required by Policy #5060. The Board's responsibility is to review and approve the draft meeting minutes.

## FINANCIAL IMPACT:

None.

## ATTACHMENTS:

- Minutes of the Special Meeting held on March 21, 2023

**TWAIN HARTE COMMUNITY SERVICES DISTRICT**  
**Board of Directors Regular Meeting**  
**March 21, 2023**

**CALL TO ORDER:** President Mannix called the meeting to order at 10:00 a.m. The following Directors, Staff, and Community Members were present:

**DIRECTORS:**

Director Mannix, President  
Director Sipperley  
Director Knudson  
Director deGroot  
Director Bohlman

**STAFF:**

Tom Trott, General Manager  
Lewis Giambruno, Operations Manager  
Carolyn Higgins, Finance Officer

**AUDIENCE:** 0 Attendees

**PUBLIC COMMENT ON NON-AGENDIZED ITEMS:**

*No public comment.*

**NEW BUSINESS:**

- A. Discussion/action to adopt the plans and specifications for the Million Gallon Tank #2 Rehabilitation Project and authorize that it be advertised for formal bidding.

***MOTION: Director Sipperley made a motion to adopt the plans and specifications for the Million Gallon Tank #2 Rehabilitation Project and authorize that it be advertised for formal bidding.***

***SECOND: Director Bohlman***

***AYES: Mannix, Knudson, Sipperley, deGroot, Bohlman***

***NOES: None***

***ABSTAIN: None***

- B. Discussion/action to approve a Participation Agreement for the Sourcewell Cooperative Purchasing Program.

***MOTION: Director Bohlman made a motion to approve a Participation Agreement for the Sourcewell Cooperative Purchasing Program.***

***SECOND: Director deGroot***

***AYES: Mannix, Knudson, Sipperley, deGroot, Bohlman***

***NOES: None***

***ABSTAIN: None***

- C. Discussion/action to adopt Resolution #23-07 – Approving a Fiscal Year 2022-23 Sewer Fund Budget Adjustment in the Amount of \$10,000 for Lift Station Pump Repair.

**MOTION: Director Sipperley made a motion to adopt Resolution #23-07 – Approving a Fiscal Year 2022-23 Sewer Fund Budget Adjustment in the Amount of \$10,000 for Lift Station Pump Repair.**

**SECOND: Director Knudson**

**AYES: Mannix, Knudson, Sipperley, deGroot, Bohlman**

**NOES: None**

**ABSTAIN: None**

**CLOSED SESSION:** *The Board of Directors convened into closed session at 10:18 a.m.*

- A. Liability Claims (Government Code Section 54956.95)  
Claimant: Jason Karney  
Agency Claim Against: Twain Harte Community Services District
  
- B. Conference with Legal Counsel  
Significant exposure to litigation pursuant to Government Code Section 54956.9(b)  
(1 case)

*President Mannix reconvened the meeting into regular session at 10:53 a.m. with reportable action regarding closed session item:*

*Liability Claims (Government Code Section 54956.95)*

*Claimant: Jason Karney*

*Agency Claim Against: Twain Harte Community Services District.*

*Director deGroot made a motion to accept Resolution #23-08 Approving a Claim for Vehicle Damages and a Corresponding Fiscal Year 2022-23 Water and Sewer Fund Budget Adjustment*

*SECOND: Director Sipperley*

*AYES: Mannix, Knudson, Sipperley, deGroot, Bohlman*

*NOES: None*

*ABSTAIN: None*

**ADJOURNMENT:**

The meeting was adjourned at 10:54 a.m.

Respectfully submitted,

APPROVED:

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Kimberly Silva, Board Secretary

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Eileen Mannix, President



# Board Meeting Agenda Item Summary

April 12, 2023

<b>ITEM #:</b>	07A	<b>ITEM TYPE:</b>	<input type="checkbox"/> Discussion <input type="checkbox"/> Action <input checked="" type="checkbox"/> Both
<b>SUBJECT:</b>	Discussion/action to express appreciation for extraordinary District staff efforts during recent storm events.		
<b>RELATION TO STRATEGIC PLAN:</b>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Advances Goal/Objective #'s: _____		

## RECOMMENDED ACTION:

Publicly express appreciation for staff's extraordinary efforts during recent storm events.

## SUMMARY:

Twain Harte experienced multiple severe storm events from late December 2022 through March 2023 that caused emergency water and sewer service interruptions, increased public safety issues and significant property damage. Our dedicated staff took pride in serving our customers by quickly and consistently responding to these events, which provided very few breaks over the past three months. They often worked around the clock in harsh conditions that included abnormally heavy snow, high winds, torrential rains, and flooding.

Staff went above and beyond to effectively communicate to customers and to ensure public safety. For example, our Fire staff helped customers recognize the hazard of excessive snow loads on roofs and identified several homes whose structural integrity had been compromised. The Operations staff worked in late night thunderstorms to minimize storm flows into the sewer system that threatened to overflow Tuolumne Utilities District's wastewater treatment plant. Operations and Fire staff worked together to fill sandbags and prevent flooding damage to homes when the raw water ditch system was overwhelmed by storm flows. They also worked together to provide emergency access when heavy low elevation snow overwhelmed the Tuolumne County plow crews.

Administration staff also went above and beyond to keep services and customer communications in place. Even when roads were inaccessible due to snow and power outages cut off internet services, administrative staff answered phones and provided emergency communication support from their homes. They continue to work hard to fulfill FEMA's laborious public assistance documentation requirements so that the District's property damage and emergency response efforts (estimated at \$125,000) can be reimbursed without impact to customers.

The extraordinary efforts exhibited by District staff over the past three months are worthy of recognition and appreciation. Twain Harte's residents are truly fortunate to have such hard-working, dedicated men and women serving and protecting them.

## FINANCIAL IMPACT:

None.

## ATTACHMENTS:

- None.



# Board Meeting Agenda Item Summary

April 12, 2023

<b>ITEM #:</b>	07B	<b>ITEM TYPE:</b>	<input type="checkbox"/> Discussion <input type="checkbox"/> Action <input checked="" type="checkbox"/> Both
<b>SUBJECT:</b>	Discussion/action regarding the proposed development at the Twain Harte Village Shopping Center and potential impacts on District facilities.		
<b>RELATION TO STRATEGIC PLAN:</b>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Advances Goal/Objective #'s: _____		

**RECOMMENDED ACTION:**

None.

**SUMMARY:**

On March 22, 2023, Tuolumne County partnered with a developer to host a community workshop for the redevelopment of the Twain Harte Shopping Center. The proposed development includes a change in zoning from General Commercial to Mixed Use. The developer seeks to convert existing commercial space and build new buildings that would include a total of 54 residential housing units, a new retail building, dog park, playground, water feature and linear exercise park. Many District residents attended the workshop and expressed comments and concerns regarding the development.

In 2022, at the District’s request, the developer paid District consultants to perform an analysis of the District’s water and sewer systems to better understand the impacts the proposed development might have on District infrastructure. The analyses were based on a proposed 74-unit development, which has since been decreased to 55 units. Technical memoranda detailing both analyses are attached. The developer agreed to mitigate all issues identified in the technical memoranda.

In addition to analyzing potential impacts on the District’s water and sewer systems, District staff met with the developer several times to identify fire and other District-related concerns. All of the District’s concerns were taken into consideration and addressed in the preliminary design.

District staff will continue to engage with the developer and the County to ensure that mitigation of all potential impacts to District facilities and services are incorporated as conditions in the developer’s conditional use permit.

**FINANCIAL IMPACT:**

None.

**ATTACHMENTS:**

- Proposed Twain Harte Shopping Center Development Presentation
- Sewer System Capacity Analysis
- Water System Capacity and Fire Flow Analysis





## TWAIN HARTE SHOPPING CENTER COMMUNITY WORKSHOP

The Community Development Department is partnering with the applicant to host a Community Workshop for the redevelopment of the Twain Harte Shopping Center. The community is invited to meet the applicant, obtain project information and attend a question and answer session. Meeting information is provided below, and the project documents can be found at the following link:

<https://www.tuolumnecounty.ca.gov/1675/Twain-Harte-Shopping-Center>

### Upcoming Workshop:

Twain Harte Community Center  
18775 Manzanita Drive, Twain Harte  
March 22, 2023, from 5:00 pm - 7:00 pm  
Presentations will begin at 5:30,  
followed by Q and A.

\* Please contact:

Natalie Rizzi, Senior  
(209) 533-5936





# Welcome

Twain Harte Villages Shopping Center Redevelopment Project  
Community Workshop Informational Meeting

# Meeting Agenda:

---

- Introductions – Developers and County (CDD) Staff
- Project Development and Entitlement Permitting Process
- Project Phasing – What's Included?
- Environmental Review
- Virtual Project Tour
- Project Question & Answer Session

# Introductions:

---

- Applicants/Developers:

Howard Schindler, Owner

Erik Smith, Project Architectural Designer

- County Community Development Department Staff:

Quincy Yaley, Community Development Director

Dave Ruby, Planning Manager

Natalie Rizzi, Senior Planner

# Project Development/Entitlement Process:

---

- Application
- Project Scope, entitlements needed are verified
- Stakeholder Notification – Comments sought from public and agencies
- Environmental Document/Review
- Planning Commission Recommendation
- Board of Supervisors Decision
- If Approved, Entitlement Permits Issued
- If Approved, Construction permitting proceeds



# Project Entitlements Needed:

---

**General Plan Amendment GPA21-005** to amend the land use designation of an 8.56-acre project site from General Commercial (GC) to Mixed Use (MU).

**Zone Change RZ21-012** to rezone project site from C-1:MX (General Commercial: Mobilehome Exclusion Combing) to M-U (Mixed Use) district.

**Site Development Permit SDP22-007** for phased development of housing, consisting of 54 apartments, a new retail building, dog park, playground, water feature, linear exercise park and associated infrastructure on the site.

**Conditional Use Permit CUP22-011** to allow 54 residential units on the site.

*Entitlement permits are dictated by Tuolumne County Ordinance Code sections governing zoning and land use.*

# Phase One:

- Conversion of two-level 23,200 sq-ft building from retail/commercial use to 21 residential apartments
- Apartments will range in size from 607 square feet up to 1,433 square feet
- Bedrooms will range from one to three per unit. 60,300 sq-ft of existing retail space remains
- Covered porches included



# Phase Two:

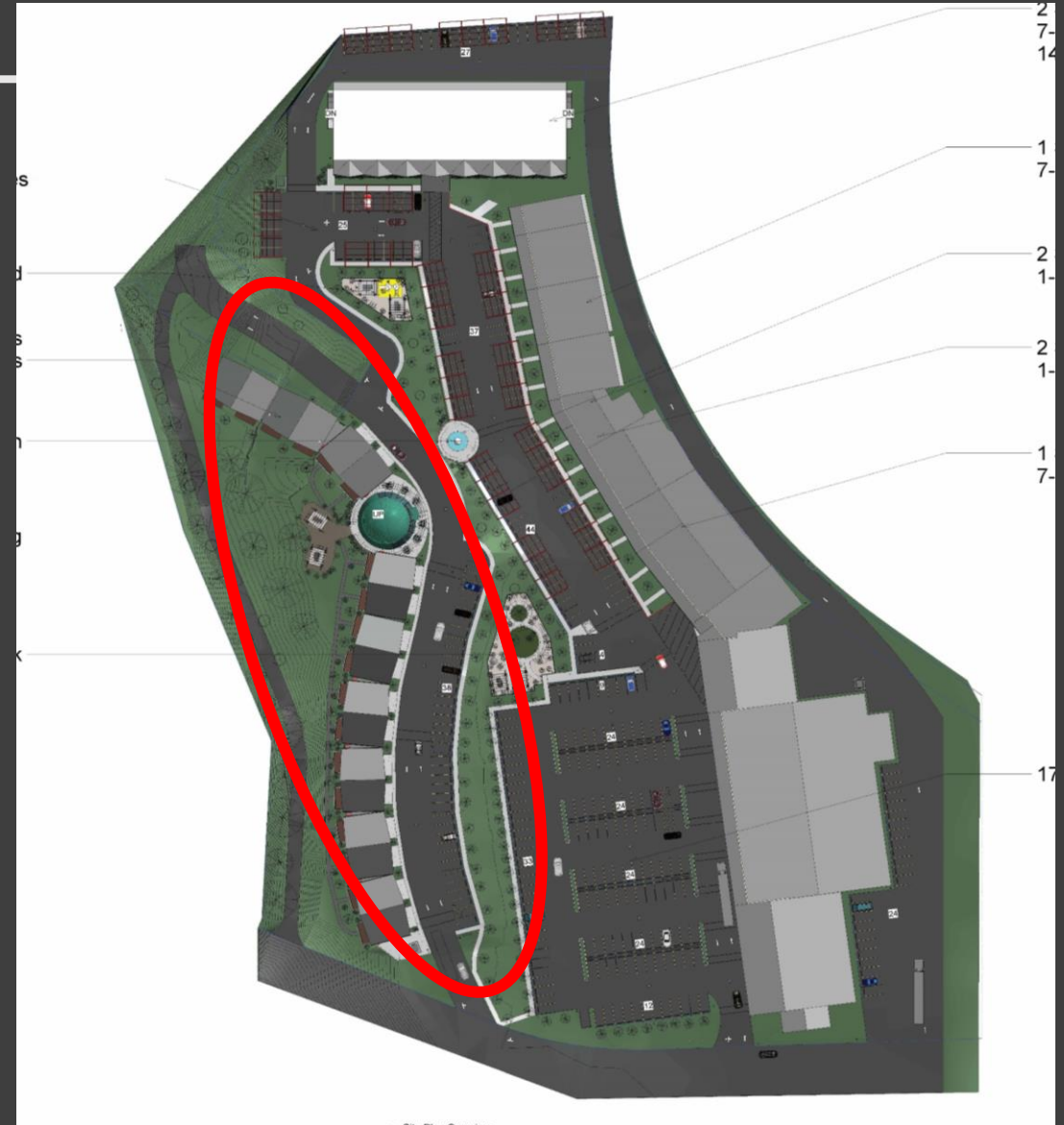
- Conversion of a 20,390 sq-ft section of an existing one-level retail commercial building from to 15 units of residential apartments
- Apartments will range in size from 1,088 square feet up to 2,400 square feet
- Bedrooms will range from one to three
- Covered porches included





# Phase Three:

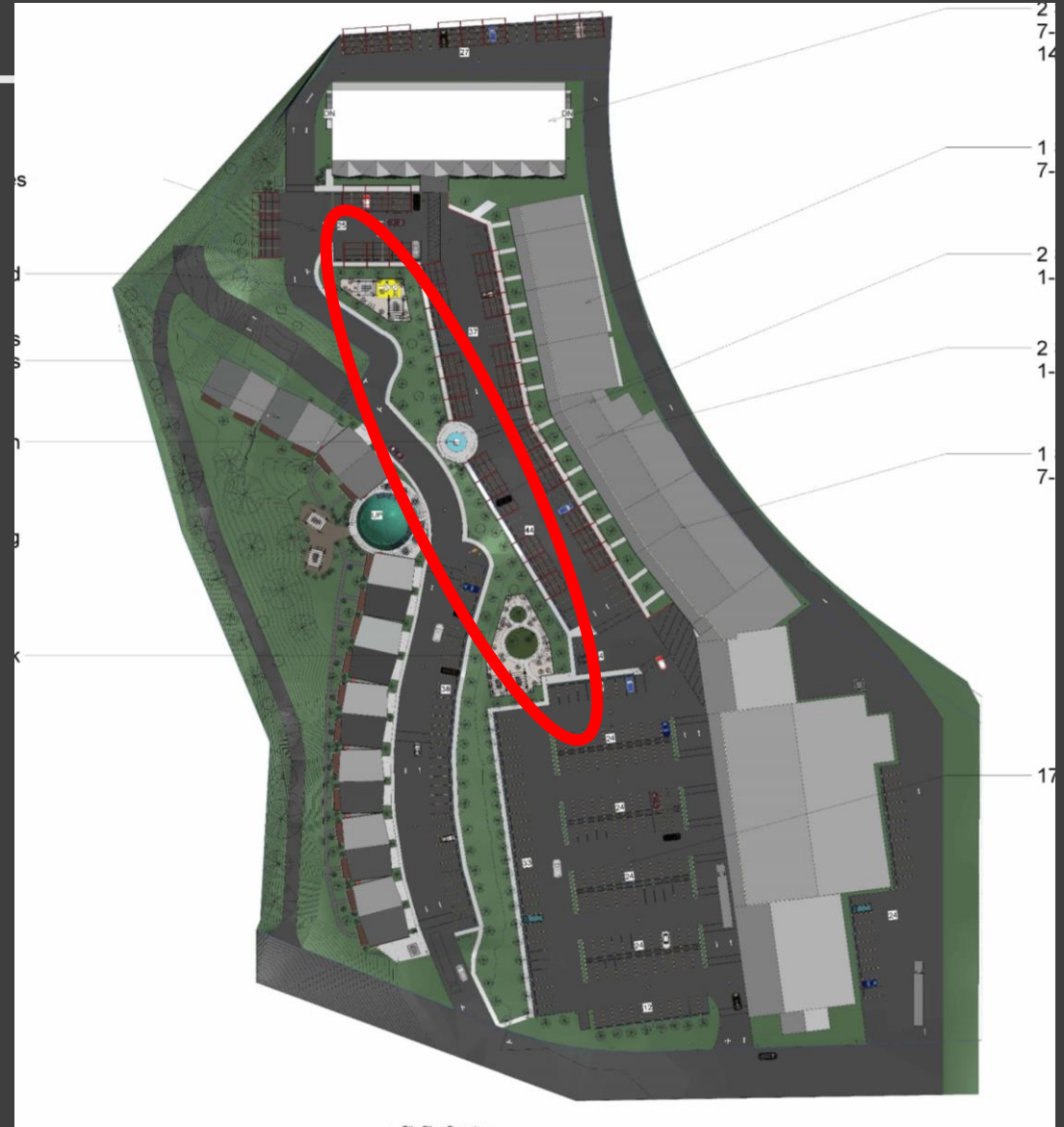
- New construction of 18 2.5-level townhomes and a new retail building
- Two car garages
- Townhomes are arranged into nine duplex units with front yards
- Also includes a new retail structure
- No changes to existing remaining 39,300 sq-ft of retail space



# Phase Four:

New 34,000 sq-ft Park with:

- Exercise circuit path
- Community playground
- Public art and water feature
- Community dog park
- Drought-tolerant landscaping



# Environmental Review

---

## CEQA Resources Study Areas

Population and Housing	Transportation	Wildfire
Air Quality	Energy	Hazards and Haz Materials
Mineral Resources	Public Services	Tribal Cultural Resources
Cultural Resources	Greenhouse Gas Emissions	Land Use/Planning
Aesthetics	Biological Resources	Geology and Soils
Hydrology/Water Quality	Noise	Recreation
Ag/Forestry Resources	Utilities	

Topics are set by State Law.

# Virtual Project Tour

---

With Erik Smith, Project Architectural Designer, Arksmith Design



**Phase 1**  
Two Story Apartments  
Parking

**Phase 2**  
Single Level Apartments  
Parking

**Phase 3**  
9 Duplex  
Burner Building  
Parking

**Phase 4**  
Retail Parking  
Linear Park

1 Site Construction Phases  
1" = 50'-0"



These Construction Documents are official project documents and the responsibility of the Engineer. They are not to be used for any other project. These Construction Documents are not to be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of the Engineer. The Engineer shall not be responsible for any errors or omissions in these documents.

E.A. Kuylen, Engineer  
50828

**REVISIONS**

NO.	DATE	DESCRIPTION

**Project Address**  
18711 Tiffeni Dr.  
Twain Harte CA 95383  
AFNR048-680-046

Twain Harte Villages  
Conditional Use  
Permit

Construction  
Phases

C2

Scale  
1" = 50'-0"

Submittal  
07-15-2022





① Site Plan Overview  
1" = 50'-0"



These Conditional Use Documents are official City documents and are subject to the provisions of the Twain Harte Municipal Code. They are not to be construed as a contract. The City of Twain Harte is not responsible for the accuracy of the information provided in these documents. The City of Twain Harte is not responsible for the accuracy of the information provided in these documents. The City of Twain Harte is not responsible for the accuracy of the information provided in these documents.

**REVISIONS**

NO.	DATE	DESCRIPTION

**Project Address**

18711 Tiffeni Dr.  
Twain Harte CA 95383  
APN#048-680-046

**Site Plan Overview**  
**Twain Harte Villages**  
**Conditional Use**  
**Permit**

**C1**

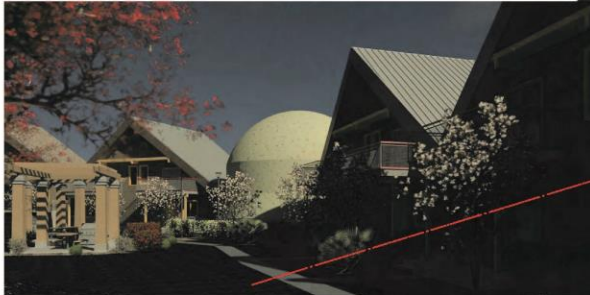
Scale  
1" = 50'-0"

Submittal

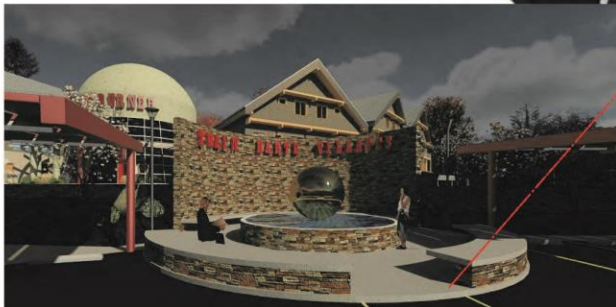
07-15-2022



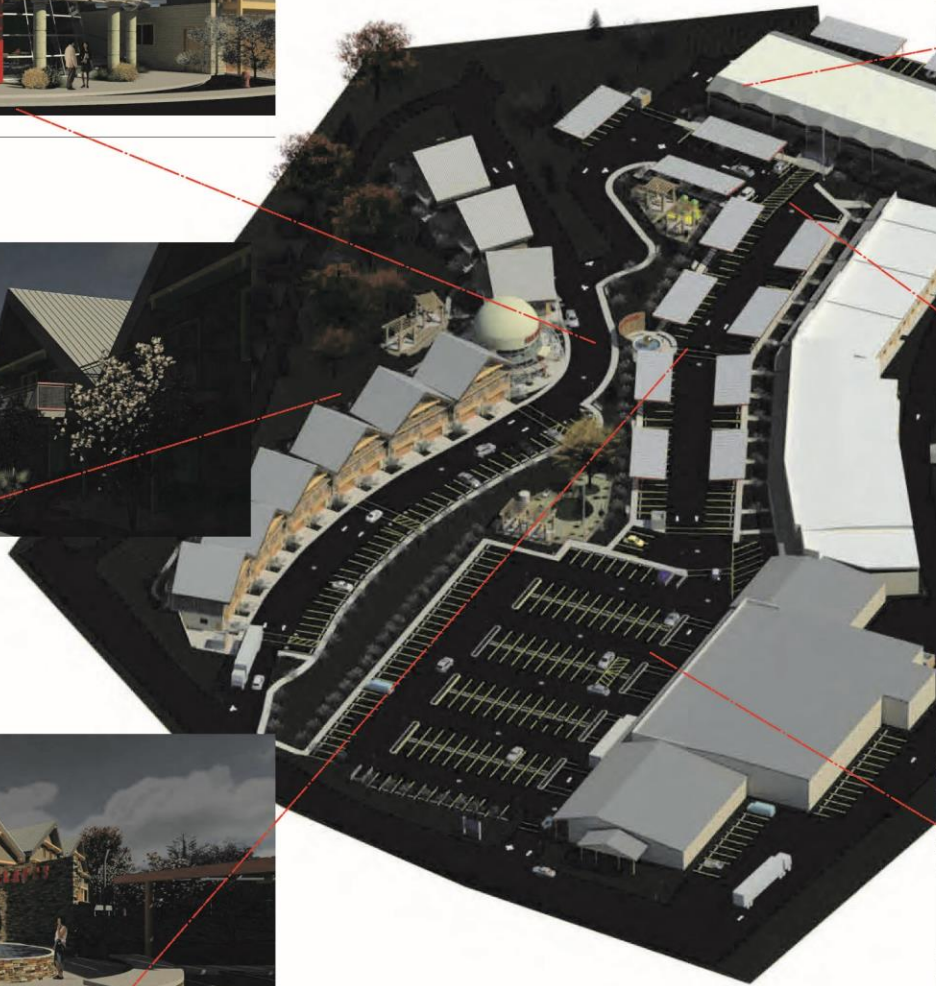
5 Burner Elevation\_1  
12" = 1'-0"



2 Courtyard to Burner\_1  
12" = 1'-0"



8 Fountain to Burner\_2  
12" = 1'-0"



6 3D Site\_1  
12" = 1'-0"



3 Two Story to Playground\_1  
12" = 1'-0"



1 Parking to Single Story\_2  
12" = 1'-0"



7 Shopping Parking Across Site\_1  
12" = 1'-0"



These Conditional Use Documents are official City documents and are the property of the City of Twain Harte, California. They are not to be used for any other project. These Conditional Use Documents are not to be altered or modified in any way without the approval of the City of Twain Harte. If you are a contractor or other professional, you are responsible for obtaining all necessary permits and licenses from the appropriate agencies. The City of Twain Harte is not responsible for any delays or other consequences of the applicant's failure to obtain all necessary permits and licenses. The City of Twain Harte is not responsible for any delays or other consequences of the applicant's failure to obtain all necessary permits and licenses.

Erica Krueger, Mayor  
209-330-8999

**REVISIONS**

NO. DATE REVISIONS

**Project Address**  
18711 Tiffeni Dr.  
Twain Harte CA 95383  
AFNR048-680-046

Twain Harte Villages  
Conditional Use  
Permit

Overall Site  
Renderings

A0.1

Scale  
12" = 1'-0"

Submittal  
07-15-2022





② Two Story Apartments Elevation\_1  
1/2" = 1'-0"



④ Two Story Perspective\_1  
1/2" = 1'-0"



③ Site Plan Phase 1 Two Story Apartment  
1" = 50'-0"



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City of Twain Harte  
208-200-0000

**REVISIONS**

NO.	DATE	DESCRIPTION

**Project Address**  
18711 Tiffeni Dr.  
Twain Harte CA 95383  
APN:R048-680-046

Renderings at Two  
Story Apartment  
Phase 1  
Twain Harte Villages  
Conditional Use  
Permit

A0.3

Scale  
As indicated

Submittal  
07-15-2022





4 Elevation at Single Level Apartments\_1  
1/2" = 1'-0"



2 Perspective at Single Level Apartments\_1  
1/2" = 1'-0"



3 Site Plan Phase 2 Single Level Apartments  
1" = 50'-0"

- 1 Story Existing Building  
7- 2 Bedroom 1 Bath Apartments
- 2 Story Existing Building  
1- 1 Bedroom 1 Bath Apartment
- 2 Story Existing Building  
1- 3 Bedroom 2 Bath Apartment
- 1 Story Existing Building  
7- 3 Bedroom 1 Bath Apartments
- Residential Parking Spaces



These Computer-Generated drawings are official project documents and shall be used only for the project for which they were prepared. They are not to be used for any other project. These Computer-Generated drawings are not to be used for any other project without the approval or signature of the State Architect. Any other use of these Computer-Generated drawings without the approval or signature of the State Architect is prohibited. The State Architect is not responsible for the accuracy of the information provided in these drawings.

*Erik Kruger, State Architect*  
Erik Kruger, State Architect  
209-220-8800

**REVISIONS**

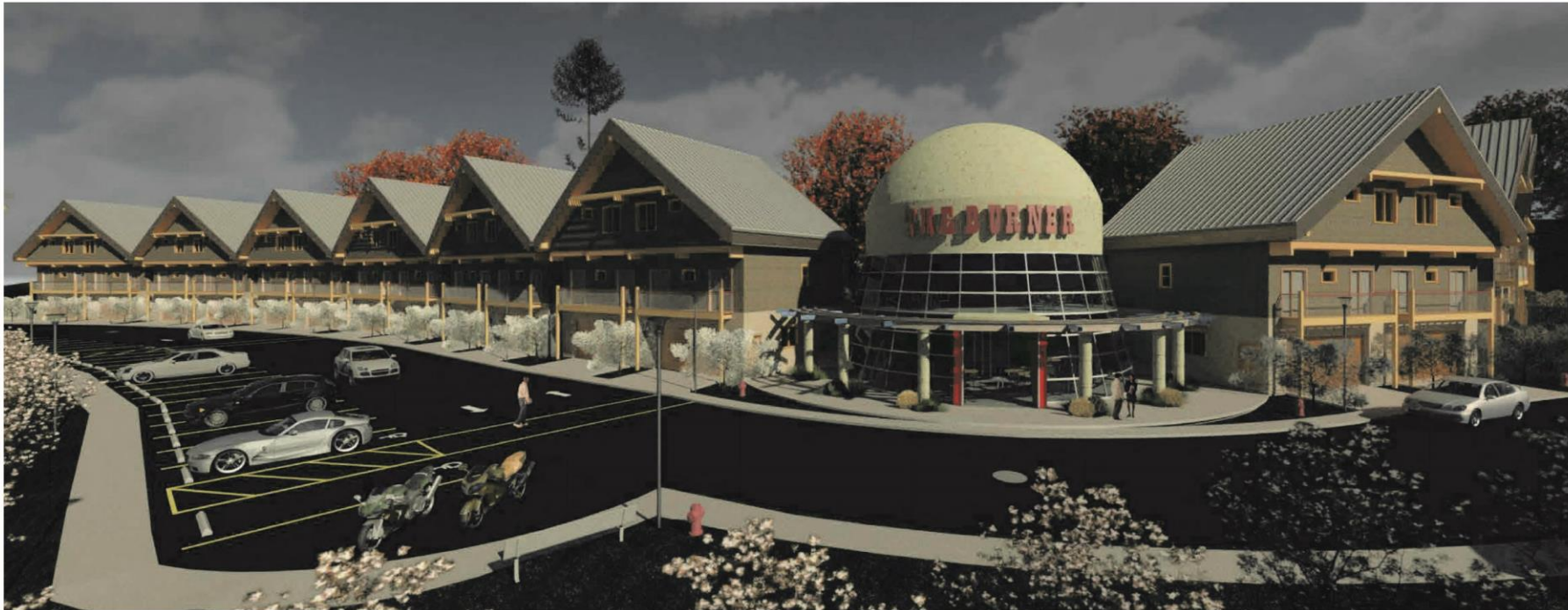
NO.	DATE	DESCRIPTION
Project Address 18711 Tiffeni Dr. Twain Harte CA 95383 APN#048-680-046		

Twain Harte Villages  
 Conditional Use  
 Permit  
 Renderings at  
 Single Level  
 Apartments Phase 2

A0.4

Scale  
As indicated

Submission  
07-15-2022



4 Front Perspective at Burner\_2  
12" = 1'-0"



2 Burner Stairs\_2  
12" = 1'-0"

9- 2 Story New Buildings  
18- 3 Bedroom 2 Bath Apartments

New Retail Building

Retail Parking and Residential Visitor



3 Site Plan Phase 3 Burner Complex  
1" = 60'-0"



These Computer-generated drawings are official project documents and are not to be used for any other purpose. These Computer-generated drawings are not to be used for any other purpose without the express written consent of the architect. The architect shall not be responsible for any errors or omissions in these drawings. The architect shall not be responsible for any errors or omissions in these drawings. The architect shall not be responsible for any errors or omissions in these drawings.

Eric A. Kuyper, AIA  
No. 200-0000

REVISIONS

NO.	DATE	DESCRIPTION

Project Address

18711 Tiffeni Dr.  
Twain Harte CA 95383  
AFN#048-680-046

Twain Harte Villages  
Conditional Use  
Permit

Renderings at  
Burner Complex  
Phase 3

A0.2

Scale  
As indicated

Submittal  
07-15-2022





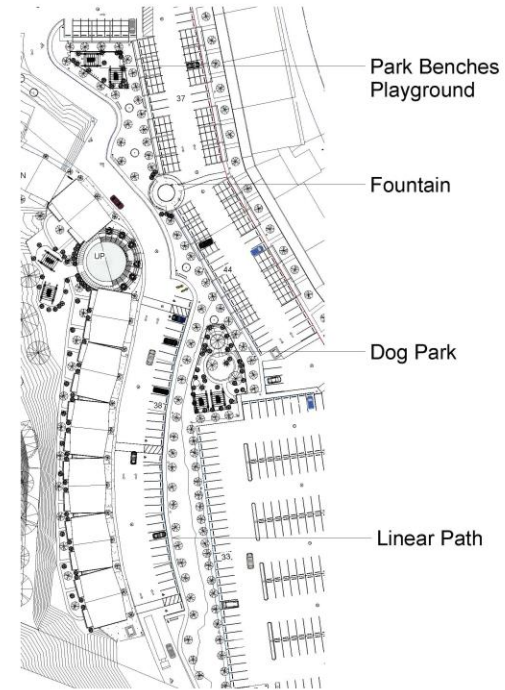
② Dog Park\_1  
12" = 1'-0"



③ Playground Park Benches\_1  
12" = 1'-0"



④ Fountain Reflections  
12" = 1'-0"



Site Plan Phase 4 Retail Parking and Linear

① Park  
1" = 60'-0"



These Construction Documents are official legal documents and are the sole property of Erik Karsten Smith. They are not to be used for any purpose other than the construction of the project. These Construction Documents are to be issued in part or whole without the approval of Erik Karsten Smith. Any attempt to reproduce these Construction Documents without the expressed written consent of Erik Karsten Smith is a violation of the law. Erik Karsten Smith reserves the right to protect his intellectual property.

*Erik Karsten Smith*  
Erik Karsten Smith  
209-339-8598

REVISIONS		
NO.	DATE	DESCRIPTION

**Project Address**

18711 Tiffind Dr.  
Twain Harte CA 95383  
APH048-680-048

Twain Harte Villages  
Conditional Use  
Permit

Renderings at  
Linear Park

A0.5

Scale  
As indicated  
Submittal  
07-15-2022

# Project Questions and Answer Session

---



# Technical Memorandum



To: Tom Trott, THCS, General Manager-  
From: Tyler Lee, Black Water Consulting Engineers, Inc.

Subject: Twain Harte Shopping Center Zoning Change  
Date: May 6, 2022

## Model Setup

As requested, Black Water Consulting Engineers has evaluated the three-phase expansion of the Twain Harte Shopping Center to determine if the existing collection system has the capacity for the zoning change.

Modeling was based on the methods and results presented by the Hydraulic Model (Dated April 19<sup>th</sup>, 2021) completed as part of the Inflow and Infiltration Identification Reduction Project. The model uses a wastewater generation factor of 106 gal/day per parcel or housing equivalent. The Design flow is obtained using a Peaking Factor of 6.00. The model assigns loads to adjacent manholes (see Table 1) and then evaluates the capacities of the system based on various hydraulic factors such as slope, friction factor, and pipe diameter.

**Table 1:** Wastewater generation load locations used in the hydraulic model.

MH Loading (HE)			
MH	Phase 1	Phase 2	Phase 3
SP147	NA	19.4	44.4
SP151	21	21	21
SP181	9	9	9
<b>Total Σ:</b>	<b>30</b>	<b>49.4</b>	<b>74.4</b>

<sup>a</sup>Restaurant modeled as 1.4 HE

## Results

Modeling results indicated that the following line would experience d/D greater than district standards (See Table 2). Please note the results provided below do not include previous results provided in the Hydraulic Model.

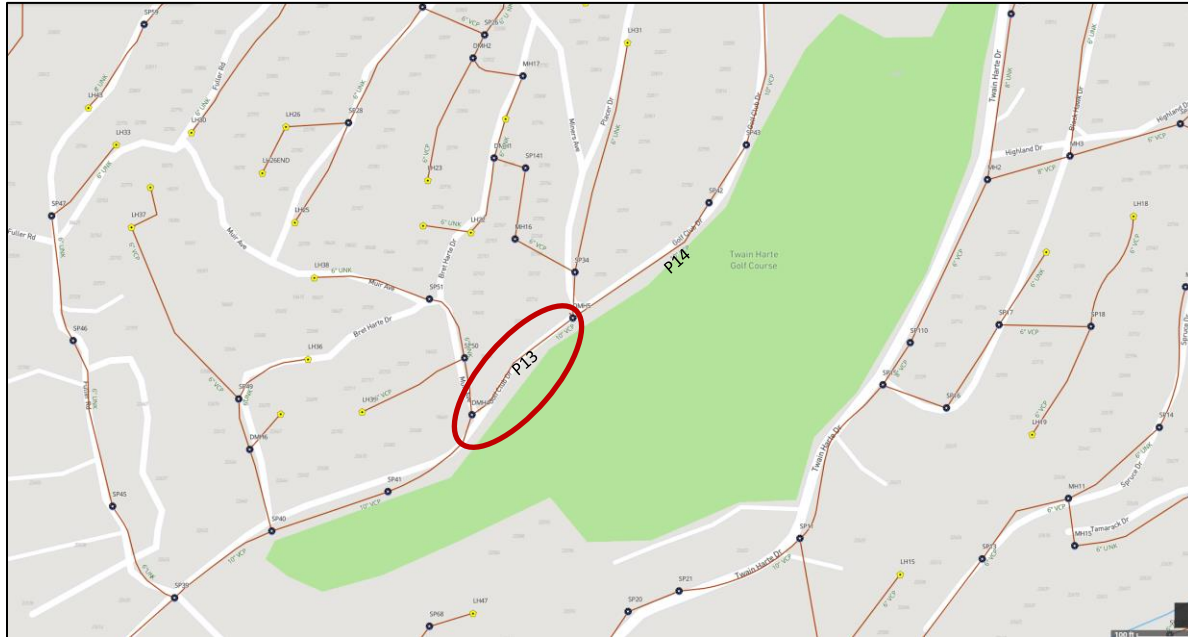
**Table 2:** Modeling results are shown as d/D

Pipe Number	depth/Diameter (d/D)			
	Existing	Phase 1	Phase 2	Phase 3
P13	0.65	0.70	0.72	0.75

Modeling results indicate the capacity of P13 will be reached at Phase 3. Figure 1 shows the location of P13.



**Figure 1:** Location of P13 relative to the THCS D collection system.



Recommended Improvements

It is recommended that to accommodate the additional capacity P13 located North of the intersection of Placer Dr and Golf Club Dr should be upsized from a 10” gravity main to a 12” gravity main. Upsizing the pipe will require the replacement of the adjacent Manholes DMH 4 and DMH 5 (See images below). Resurfacing of the roadway, traffic control, and reconnection of all connecting sewer laterals are estimated at \$138,500. Table 3 provides an engineer’s estimate of the recommended improvements.

**Table 3:** Engineers Estimate for the replacement of P13 in Golf Club Drive.

Item	Unit	Quantity	Unit Cost, \$	Total Unit Cost, \$
Lateral Connections	ea	3	6,500	19,500
12" PVC Sewer	lf	335	160	53,600
Traffic Control	Ls	1	5,000	5,000
Replace manholes	ea	2	5,200	10,400
Asphalt Restoration	sq ft.	1,340	6.72	9,000
<b>Estimated Construction Cost</b>				<b>97,500</b>
30% construction contingency				29,000
Preparation of bid documents				10,000
Consultant assistance during bidding				500
Engineering services during construction				500
Construction management				1,000
<b>Estimated Project Cost</b>				<b>138,500</b>

Engineering, Construction Services, and Administration	}
--	---



May 6, 2022

**Memorandum**

TO : Tom Trott, P.E.  
General Manager  
Twain Harte Community Services District

FROM : Aimee Fitzhugh, P.E.  
Jennifer Lau, P.E.  
Kennedy/Jenks Consultants

SUBJECT : Water System Model Evaluation for *Twain Harte Shopping Center*  
Twain Harte Community Services District

This memorandum summarizes the modeling results of the Twain Harte Community Services District (District) water system by Kennedy/Jenks Consultants relative to planned development in the Twain Harte Shopping Center. The District’s InfoWATER model titled THCSD\_WaterModel\_2022.mxd , that was created by Kennedy Jenks Consultants in 2019 and amended for proposed development, was used to perform the evaluation. The model was used to determine the new and any upgraded water infrastructure and pipe sizes needed to serve the proposed Development while maintaining the District’s pressure and velocity criteria.

**DEVELOPMENT AND PROJECTED DEMANDS**

The proposed Development will include up to 73 multifamily units and 1 restaurant in three building phases. The Development is in Twain Harte, California and Twain Harte Community Services District currently provides water service to this area.

It is assumed that there may be tracts for open space, drainage corridors, stormwater detention, and street right-of-way. However, no information was provided regarding irrigation for these areas and therefore, estimated demands for the areas are not included in the model.

The attached Junction Demand Summary shows the allocation of demands to existing junctions that was added to the model for the Development. The fire flow demand used in this evaluation was between 1,500- 1,625 gpm<sup>1</sup> per California Fire Code. The daily normal demands and fire flow demands are based on the standard District criteria and the same as used on previous models for proposed developments.

**ON-SITE WATER LINES**

An 8” on-site waterline loop currently serves the existing Twain Harte Shopping Center.

**EVALUATION CRITERIA**

The following Criteria was used to evaluate the results of the hydraulic modeling in the Twain Harte Shopping Center area.

<i>District Evaluation Criteria</i>	<i>Value</i>
-------------------------------------	--------------

<sup>1</sup> Based on the type of construction, square footage, and fire sprinkler installation.

# Memorandum

Water Modeling – Twain Harte  
May 6, 2022  
Page 2 of 3



Minimum pressure for average day and peak hour demand	40 psi
Maximum pressure for average day and peak hour demand	110 psi
Maximum velocity for average day and peak hour demand	5 fps
Minimum pressure for max day plus fire flow	20 psi
Maximum pipe velocity for max day plus fire flow	10 fps

## SCENARIOS AND MODEL RESULTS

The table below indicates the demand scenarios that were modeled to review pipe velocities and system pressures under base demand and fire flow conditions. The results (pressures and velocities) of each scenario are shown on the attached pipe network exhibits.

<b><i>Model</i></b>	<b><i>Demand Scenario</i></b>	<b><i>Result</i></b>
1	Existing Average Day Demand.	Pressures within the shopping center are between 64- 79 psi. Pipes are within the velocity criteria of less than 5 fps.
2	Existing Average Day Demand with Shopping Center Development.	Pressures within the shopping center are between 63- 78 psi. Pipes are within the velocity criteria of less than 5 fps.

# Memorandum

Water Modeling – Twain Harte  
May 6, 2022  
Page 3 of 3



<i>Model</i>	<i>Demand Scenario</i>	<i>Result</i>
4	Existing Peak Hour Demand	Pressures within the shopping center are between 59- 74 psi. Pipes are within the velocity criteria of less than 5 fps.
5	Existing Peak Hour Demand with Shopping Center Development	Pressures within the shopping center are between 58- 73 psi. Pipes are within the velocity criteria of less than 5 fps.  <b>Conclusion:</b> The existing 8" pipe sizes modeled can provide pressure to the new development. No improvements are needed.
6	Existing Max Day Demand with Fire Flows	The maximum available fire flow at the hydrants at 20 psi residual pressure or 10 fps velocity is between 1,649 – 2,431 gpm
7	Existing Max Day Demand with Fire Flows and with Shopping Center Development	The maximum available fire flow at the hydrants at 20 psi residual pressure, or 10 fps velocity is between 1,618 – 2,378 gpm  <b>Conclusion:</b> The existing pipe in Twain Harte shopping center can provide fire flow demand to the proposed development.
8	Existing Max Day Demand with Fire Flows and with Shopping Center Development with pipe closed in loop	The maximum available fire flow at one hydrant at 20 psi residual pressure, or 10 fps velocity is 1,340 gpm with a pipe closed in the shopping center loop.  <b>Conclusion:</b> When 1,625 gpm fire flow is split between 3 hydrants, and a pipe is closed, the residual pressures in the shopping center area are within criteria between 20- 41 psi.

## CONCLUSIONS AND RECOMMENDATIONS

Water service to the Twain Harte Development will not require upgrading the existing 8-inch on-site water mains in Twain Harte Drive and Michele Ln. around the existing Twain Harte Shopping Center.

Attachments:

- Junction Demand Summary
- Exhibits (13 total)

**JUNCTION DEMAND SUMMARY**  
**Twain Harte Shopping Center**  
**JOB NUMBER: 2022 Modeling Task**

Junction ID	Description	Elevation (ft)	Single Family Residential Units	Townhomes Residential Units	Multi Family Residential Units	Recreation Club	Commercial/ Municipal (Area) acres	Schools # of Students	Parks/ Irrigated Open Space (Area) acres	BASE DEMAND Avg. Day (gpm)	Peak Day (gpm)	Peak Hour (gpm)
F90	Twain Harte Shopping Center	3,714	0.00	0.00	15.00	0.00	0	0	0	4.20	8.80	13.25
F88	Twain Harte Shopping Center	3,729	0.00	0.00	15.00	0.00	0.25	0	0	4.35	9.12	13.72
F222	Twain Harte Shopping Center	3,736	0.00	0.00	15.00	0.00	0	0	0	4.20	8.80	13.25
F87	Twain Harte Shopping Center	3,731	0.00	0.00	14.00	0.00	0	0	0	3.92	8.22	12.36
F92	Twain Harte Shopping Center	3,711	0.00	0.00	14.00	0.00	0	0	0	3.92	8.22	12.36
			<b>0.0</b>	<b>0.0</b>	<b>73.0</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>20.6</b>	<b>43.2</b>	<b>64.9</b>

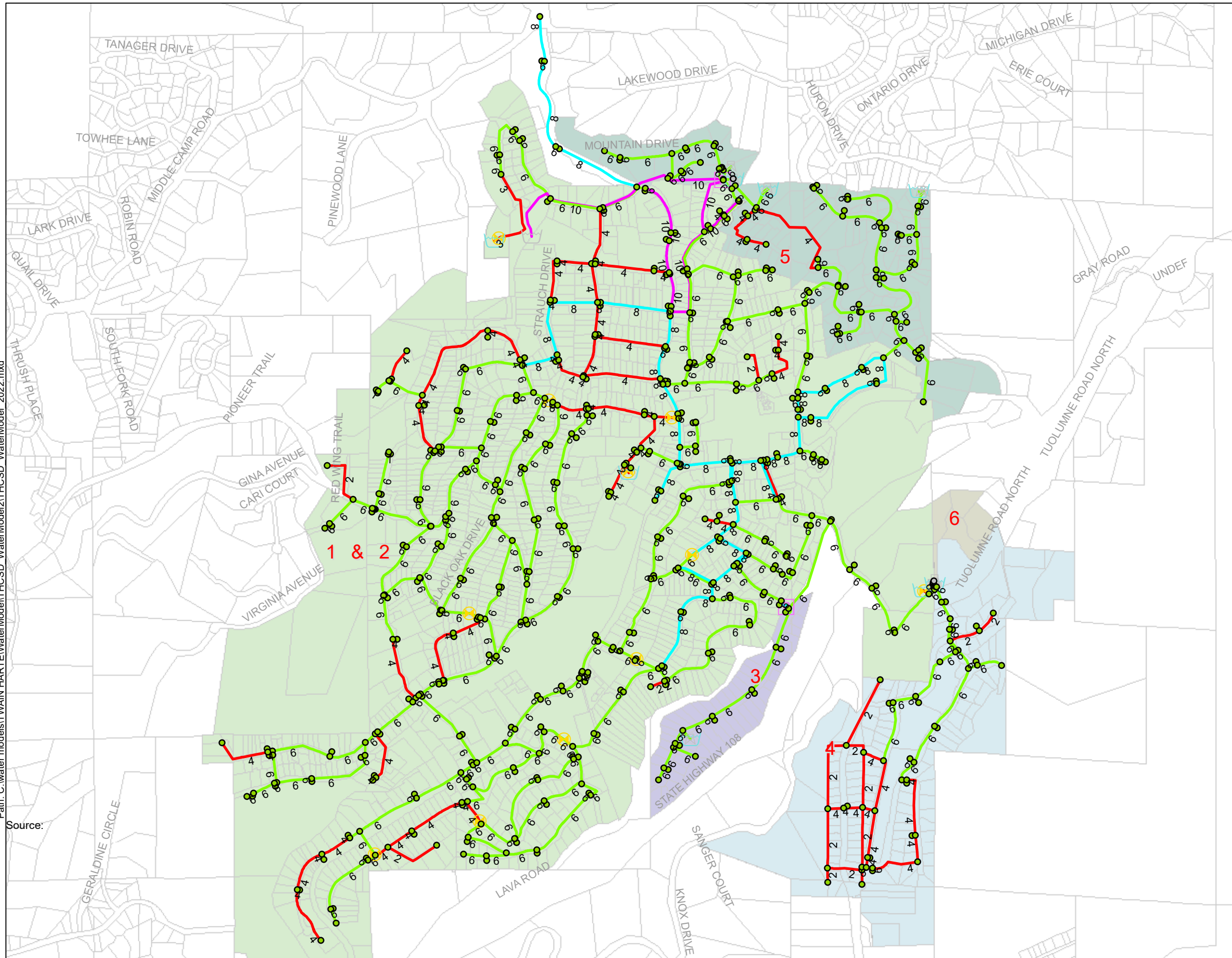
Phase 1	20-30 Units	30
Phase 2	18 Units, 1 restaurant	18
Phase 3	25 Units	25
<b>Total</b>	<b>Multi Family Units</b>	<b>73</b>
	<b>Commercial</b>	<b>1</b>

**Demand Criteria**

	Avg. Annual Demand (ac-ft)		Avg. Annual Demand (gpm)		Peak Day Demand (gpm)		Peak Hour Demand (gpm)	
Single Family Residential	0.84	ac-ft/unit/yr	0.52	gpm/unit	1.09	gpm/unit	1.64	gpm/unit
Townhomes	0.70	ac-ft/unit/yr	0.43	gpm/unit	0.99	gpm/unit	1.42	gpm/unit
Multi-Family Residential	0.45	ac-ft/unit/yr	0.28	gpm/unit	0.65	gpm/unit	0.93	gpm/unit
Recreation Club	3.23	ac-ft/club/yr	2.00	gpm/club	4.60	gpm/unit	6.60	gpm/unit
Commercial	0.97	ac-ft/yr/gross area	0.60	gpm/gross area	1.38	gpm/gross area	1.98	gpm/gross area
Municipal Complex/Rec.	0.97	ac-ft/yr/gross area	0.60	gpm/gross area	1.38	gpm/gross area	1.98	gpm/gross area
Schools	0.022	ac-ft/student/yr	0.014	gpm/student	0.032	gpm/student	0.046	gpm/student
Irrigated Open Space	2.500	ac-ft/yr/irrigated acre	1.55	gpm/yr/irrigated acre	5.660	gpm/yr/irrig. acre	9.900	gpm/yr/irrig. acre

Path: C:\water\models\TWIN HARTE\WaterModel\THCSD\_WaterModel2\THCSD\_WaterModel\_2022.mxd

Source:



### Legend

#### Pressure Zones

- 1 & 2
- 3
- 4
- 5
- 6

#### Pipe Diameter (in)

- less than 4
- 6
- 8
- 10

**Kennedy/Jenks Consultants**

TWAIN HARTE COMMUNITY SERVICES DISTRICT  
WATER DISTRIBUTION SYSTEM  
HYDRAULIC MODEL

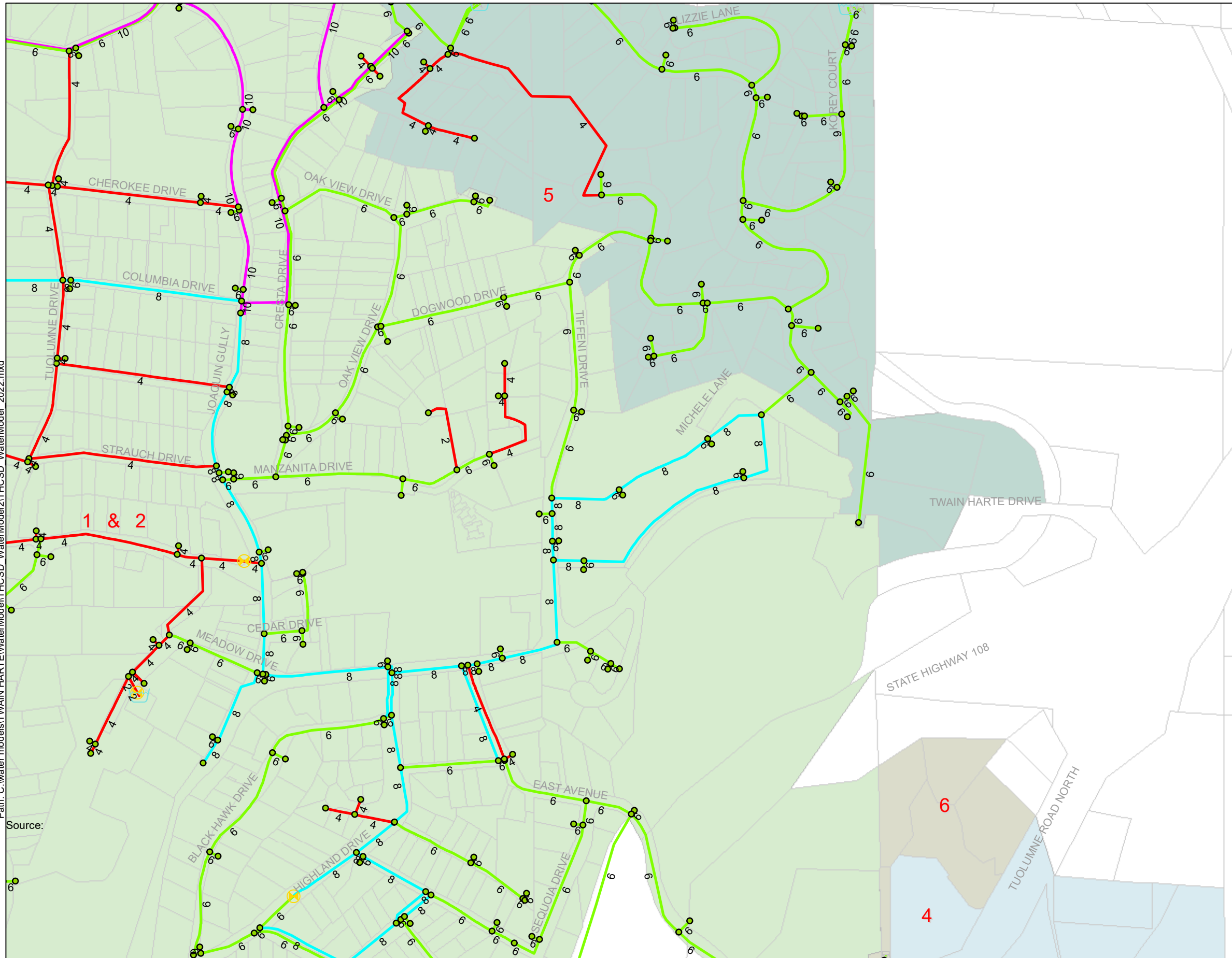
**EXISTING PIPE DIAMETER EXHIBIT**

MAY 2022



Path: C:\water\models\TWIN HARTE\WaterModel\THCSD\_WaterModel2\THCSD\_WaterModel\_2022.mxd

Source:



### Legend

#### Pressure Zones

- 1 & 2
- 3
- 4
- 5
- 6

#### Pipe Diameter (in)

- less than 4
- 6
- 8
- 10



**Kennedy/Jenks Consultants**

TWAIN HARTE COMMUNITY SERVICES DISTRICT  
WATER DISTRIBUTION SYSTEM  
HYDRAULIC MODEL

**EXISTING PIPE DIAMETER EXHIBIT  
SHOPPING CENTER**

MAY 2022



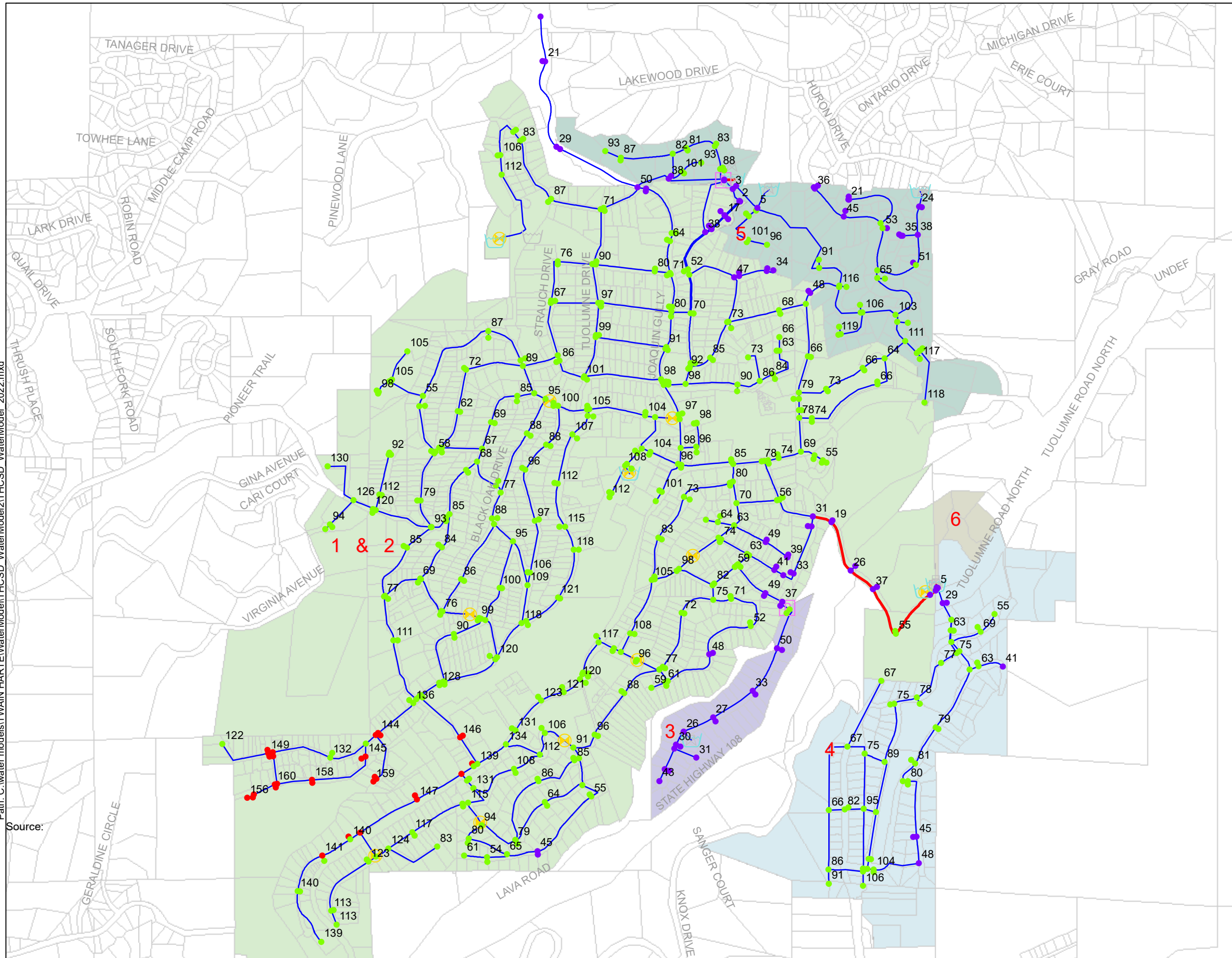






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Source:



### Legend

#### Pressure Zones

- 1 & 2
- 3
- 4
- 5
- 6

### Legend

#### Junction

##### PRESSURE (psi)

- less than 50
- 51 ~ 140
- 141 or greater

#### Pipe

##### VELOCITY (f/s)

- less than 5
- 5 ~ 8



### Kennedy/Jenks Consultants

TWAIN HARTE COMMUNITY SERVICES DISTRICT  
WATER DISTRIBUTION SYSTEM  
HYDRAULIC MODEL

### EXISTING AVERAGE DAY DEMAND PRESSURE AND VELOCITY EXHIBIT

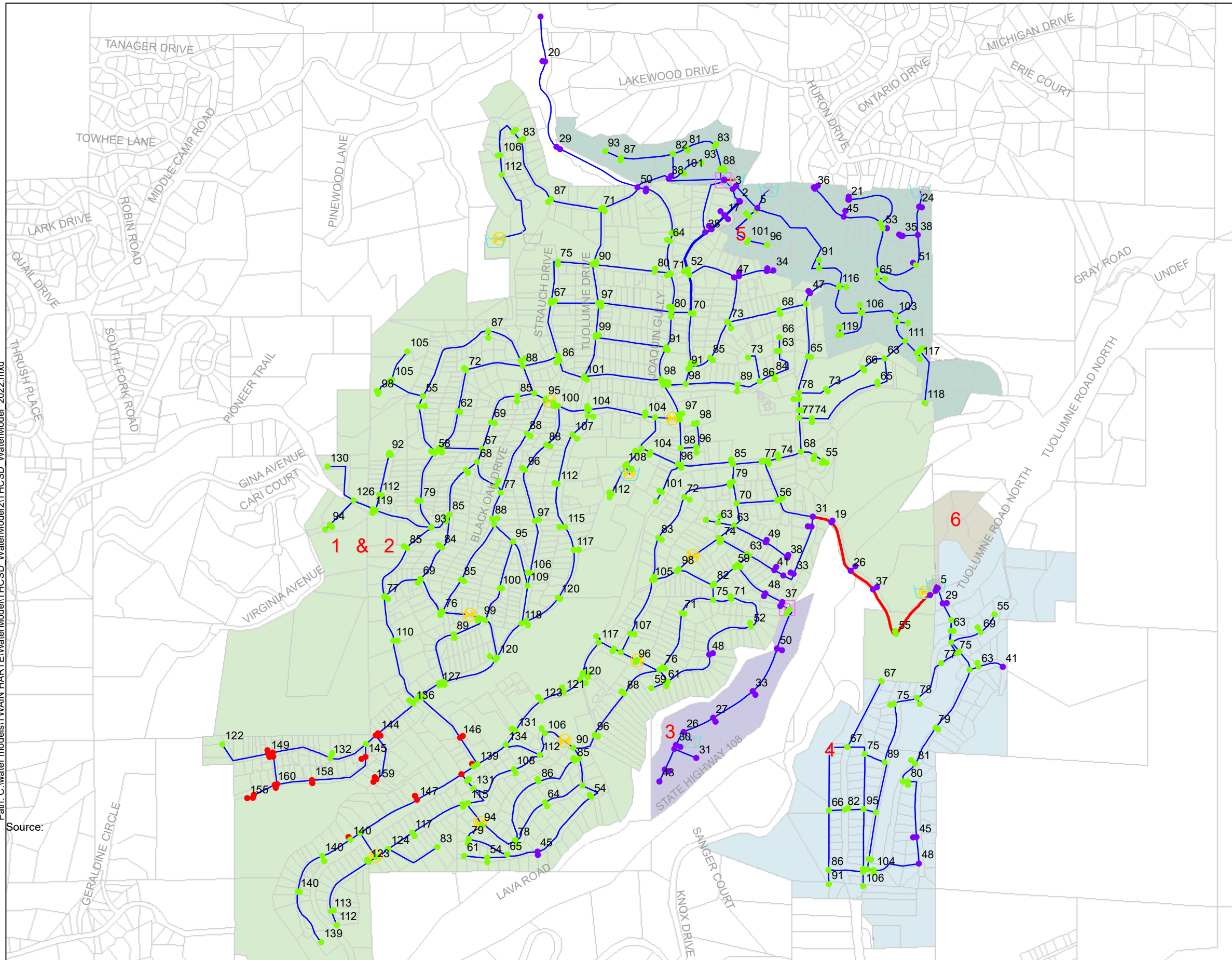
MAY 2022





Path: C:\water\models\TWIN HARTE\WaterModel\THCSD\_WaterModel2\THCSD\_WaterModel\_2022.mxd

Source:



### Legend

#### Pressure Zones

- 1 & 2
- 3
- 4
- 5
- 6

### Legend

#### Junction

##### PRESSURE (psi)

- less than 50
- 51 ~ 140
- 141 or greater

#### Pipe

##### VELOCITY (f/s)

- less than 5
- 5 ~ 8



### Kennedy/Jenks Consultants

TWAIN HARTE COMMUNITY SERVICES DISTRICT  
WATER DISTRIBUTION SYSTEM  
HYDRAULIC MODEL

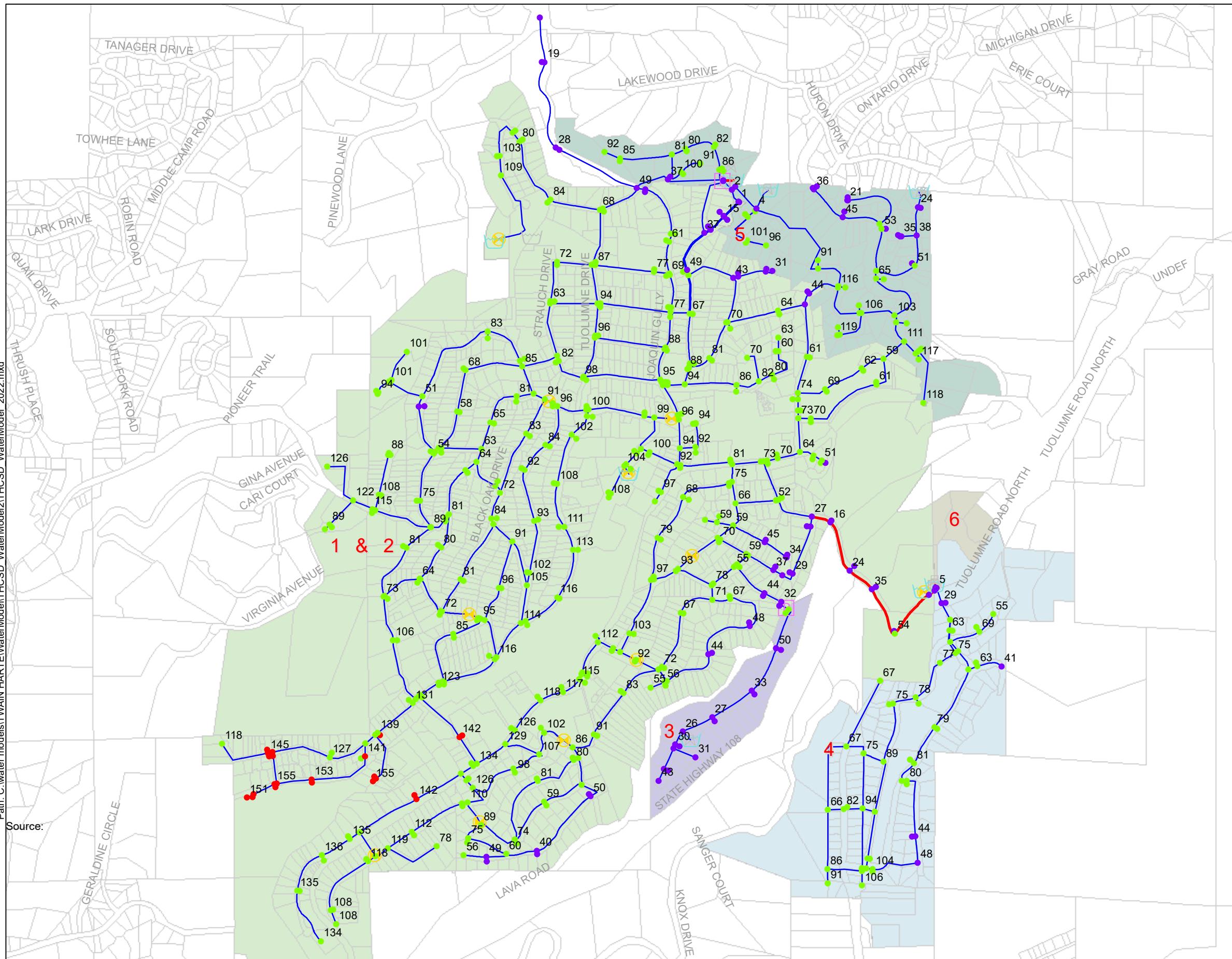
**EXISTING AVERAGE DAY DEMAND  
WITH SHOPPING CENTER  
PRESSURE AND VELOCITY EXHIBIT**

MAY 2022



Path: C:\water\models\TWIN HARTE\WaterModel\THCSD\_WaterModel2\THCSD\_WaterModel\_2022.mxd

Source:



### Legend

#### Pressure Zones

- 1 & 2
- 3
- 4
- 5
- 6

### Legend

#### Junction

##### PRESSURE (psi)

- less than 50
- 51 ~ 140
- 141 or greater

#### Pipe

##### VELOCITY (f/s)

- less than 5
- 5 ~ 8



### Kennedy/Jenks Consultants

TWAIN HARTE COMMUNITY SERVICES DISTRICT  
 WATER DISTRIBUTION SYSTEM  
 HYDRAULIC MODEL

### EXISTING PEAK HOUR DEMAND PRESSURE AND VELOCITY EXHIBIT

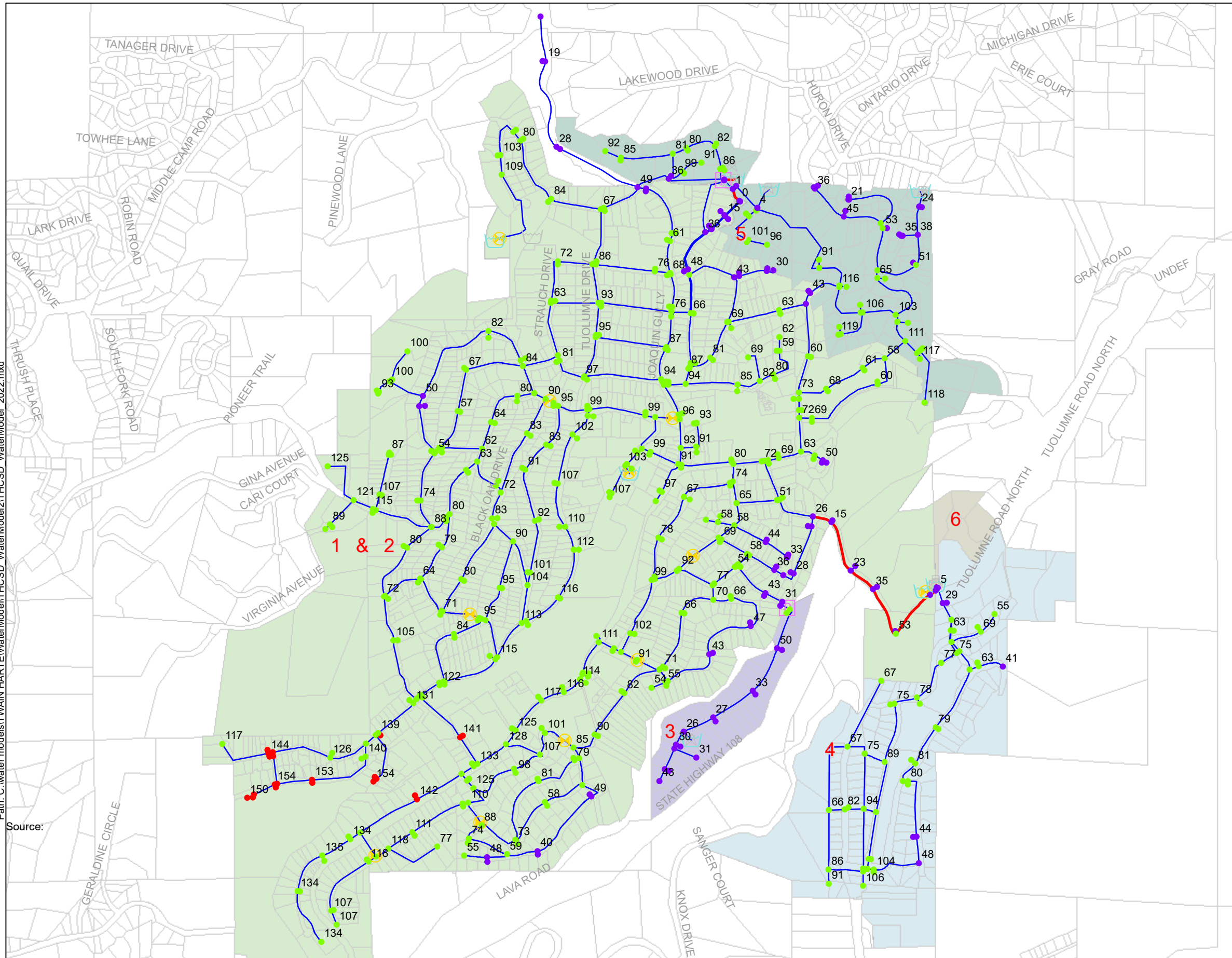


MAY 2022



Path: C:\water\models\TWIN HARTE\WaterModel\THCSD\_WaterModel2\THCSD\_WaterModel\_2022.mxd

Source:



### Legend

#### Pressure Zones

- 1 & 2
- 3
- 4
- 5
- 6

### Legend

#### Junction

##### PRESSURE (psi)

- less than 50
- 51 ~ 140
- 141 or greater

#### Pipe

##### VELOCITY (f/s)

- less than 5
- 5 ~ 8



### Kennedy/Jenks Consultants

TWAIN HARTE COMMUNITY SERVICES DISTRICT  
WATER DISTRIBUTION SYSTEM  
HYDRAULIC MODEL

**EXISTING PEAK HOUR DEMAND  
WITH SHOPPING CENTER  
PRESSURE AND VELOCITY EXHIBIT**

MAY 2022

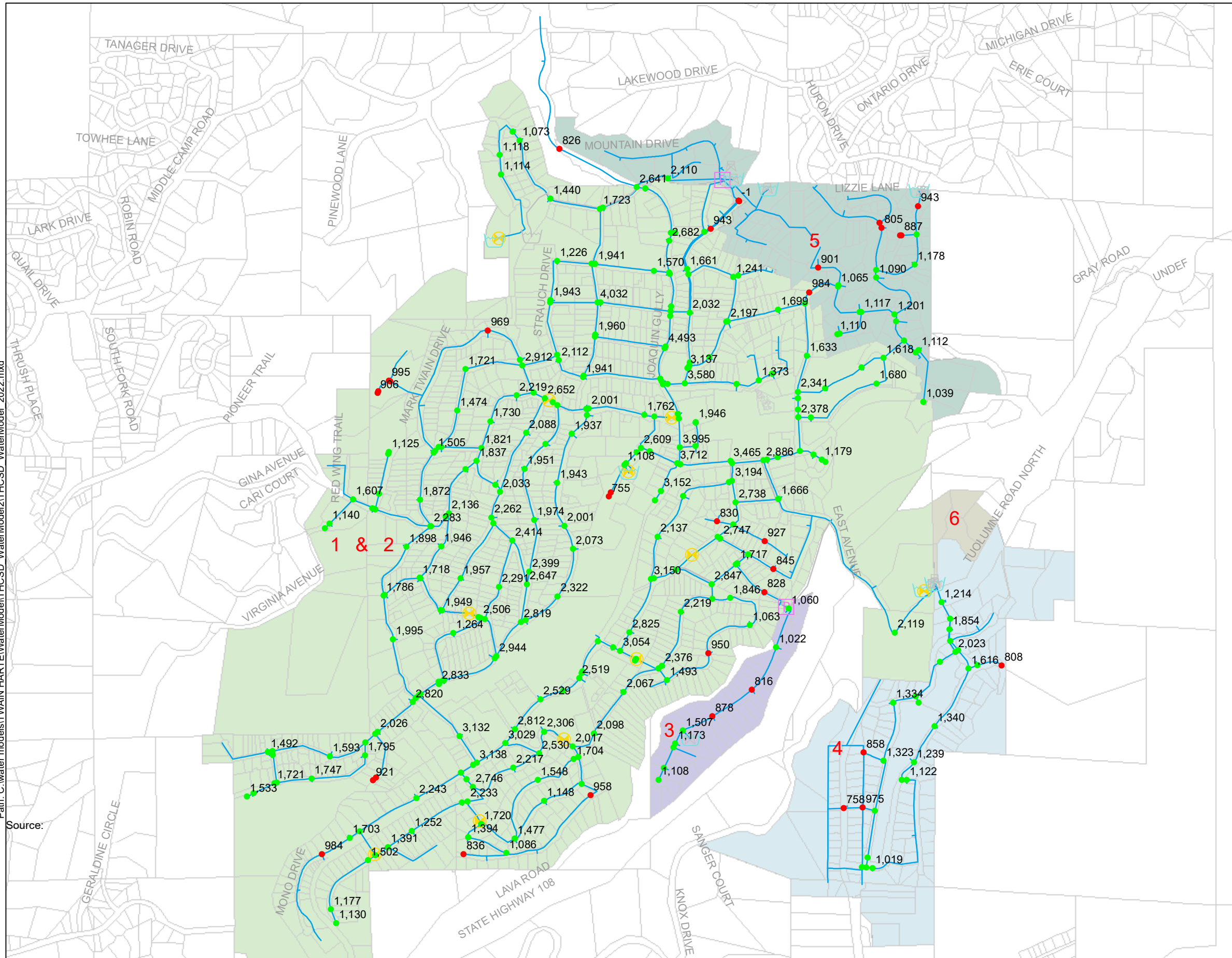






Path: C:\water\models\TWIN HARTE\WaterModel\THCSD\_WaterModel2\THCSD\_WaterModel\_2022.mxd

Source:



### Legend

#### Pressure Zones

- 1 & 2
- 3
- 4
- 5
- 6

#### Available Fire Flow 20 psi residual (gpm)

- less than 1,000
- 1,000 or greater



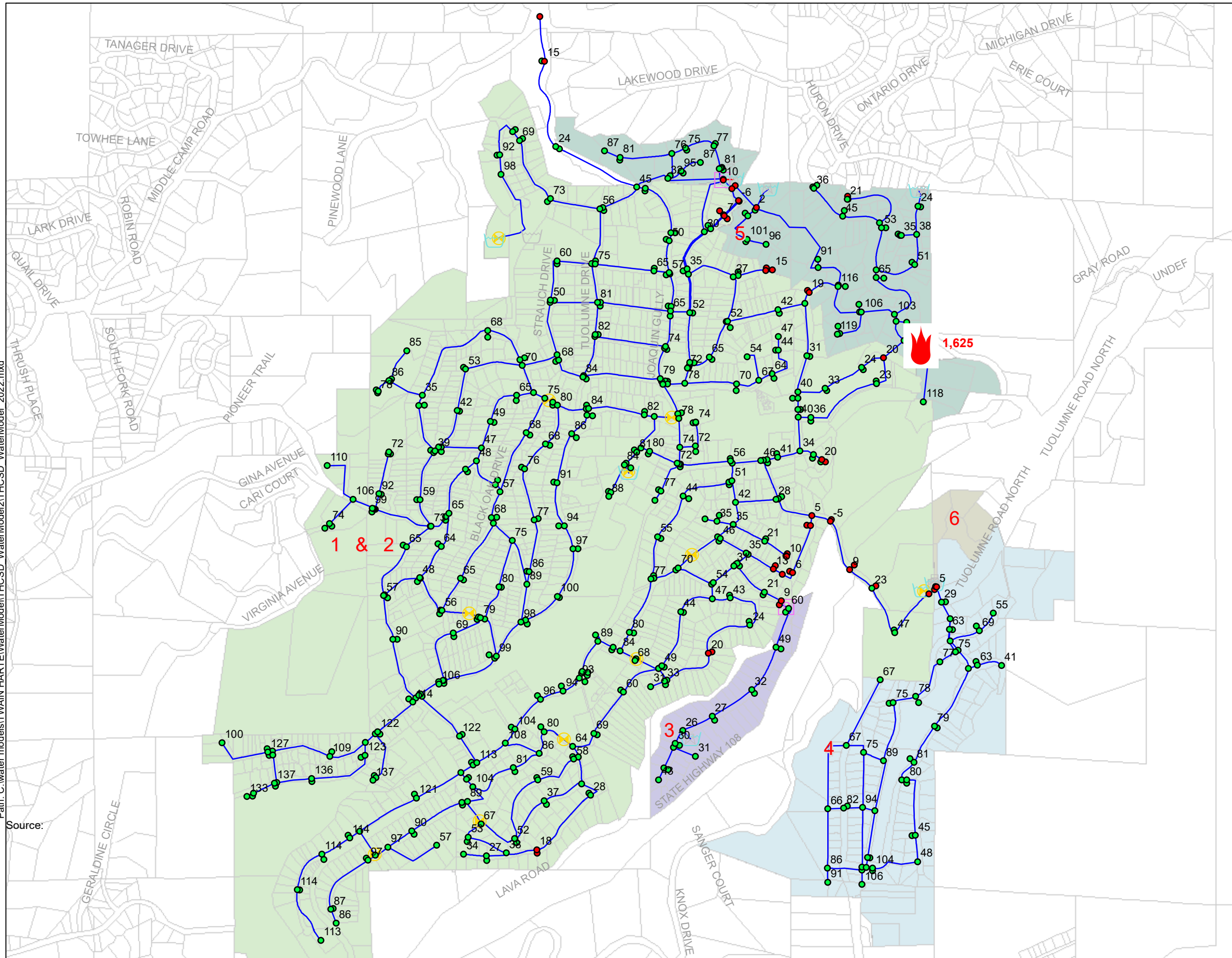
### Kennedy/Jenks Consultants

TWAIN HARTE COMMUNITY SERVICES DISTRICT  
WATER DISTRIBUTION SYSTEM  
HYDRAULIC MODEL  
**EXISTING MAX DAY DEMAND FF  
WITH SHOPPING CENTER  
AVAILABLE FIRE FLOW  
AT HYDRANT EXHIBIT**

MAY 2022

Path: C:\water\models\TWIN HARTE\WaterModel\THCSD\_WaterModel2\THCSD\_WaterModel\_2022.mxd

Source:



### Legend

#### Pressure Zones

- 1 & 2
- 3
- 4
- 5
- 6

#### Junction

##### PRESSURE (psi)

- 20 or less
- greater than 21

#### Pipe

##### VELOCITY (f/s)

- 10 or less
- greater than 11



### Kennedy/Jenks Consultants

TWAIN HARTE COMMUNITY SERVICES DISTRICT  
WATER DISTRIBUTION SYSTEM  
HYDRAULIC MODEL

**EXISTING MAX DAY DEMAND  
1,625 FF AT SHOPPING CENTER  
PRESSURE AND VELOCITY EXHIBIT**

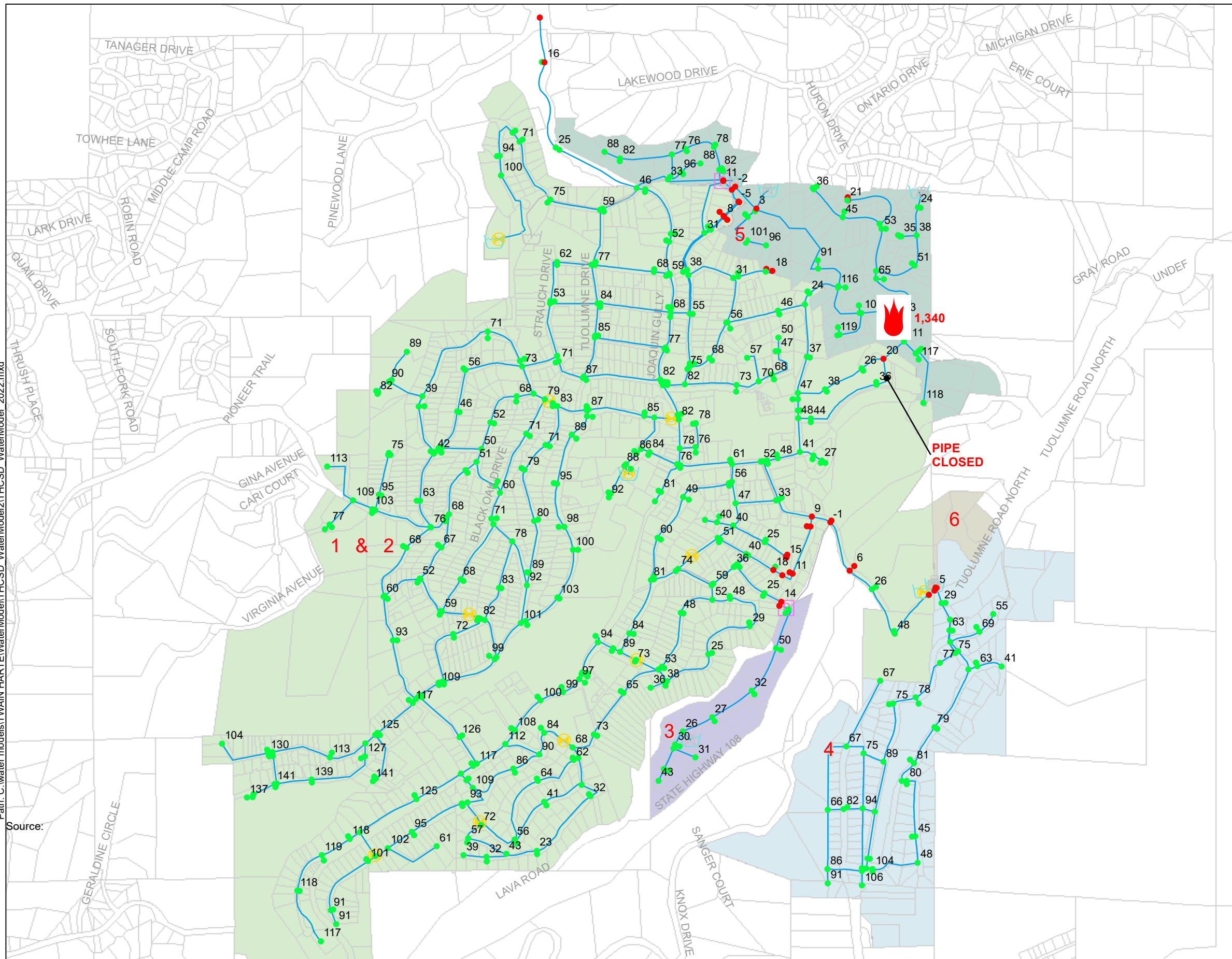


MAY 2022



Path: C:\water\models\TWIN HARTE\WaterModel\THCSD\_WaterModel2\THCSD\_WaterModel\_2022.mxd

Source:



### Legend

#### Pressure Zones

- 1 & 2
- 3
- 4
- 5
- 6

#### Junction

##### PRESSURE (psi)

- 20 or less
- greater than 21

#### Pipe

##### VELOCITY (f/s)

- 10 or less
- greater than 11



### Kennedy/Jenks Consultants

TWAIN HARTE COMMUNITY SERVICES DISTRICT  
WATER DISTRIBUTION SYSTEM  
HYDRAULIC MODEL

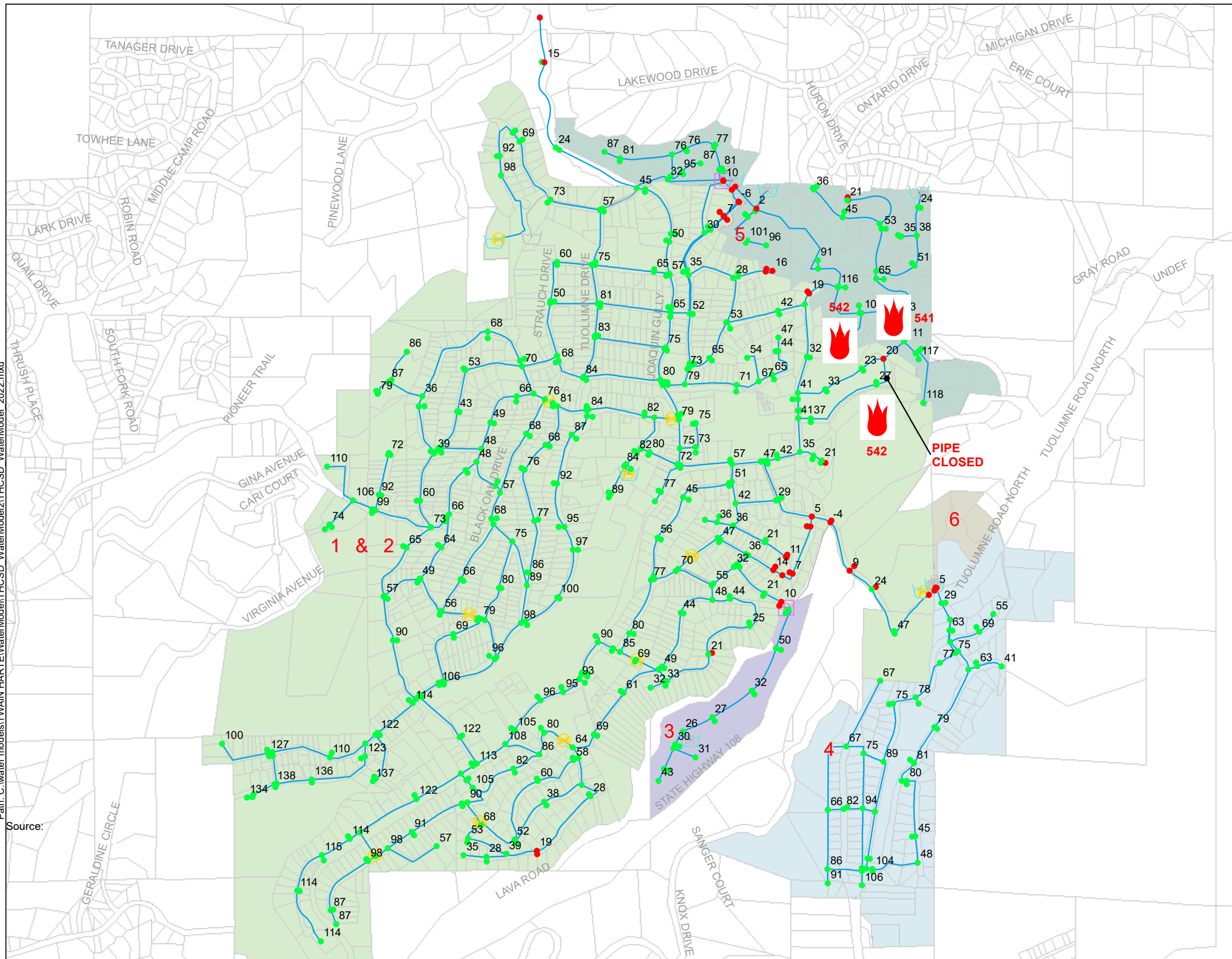
**EXISTING MAX DAY DEMAND  
1,340 FF AT SHOPPING CENTER  
PIPE CLOSED  
PRESSURE AND VELOCITY EXHIBIT**

MAY 2022



Path: C:\water\_models\TWIN HARTE\WaterModel\THCSD\_WaterModel2\THCSD\_WaterModel\_2022.mxd

Source:



### Legend

#### Pressure Zones

- 1 & 2
- 3
- 4
- 5
- 6

#### Junction

##### PRESSURE (psi)

- 20 or less
- greater than 21

#### Pipe

##### VELOCITY (f/s)

- 10 or less
- greater than 11



### Kennedy/Jenks Consultants

TWAIN HARTE COMMUNITY SERVICES DISTRICT  
WATER DISTRIBUTION SYSTEM  
HYDRAULIC MODEL

**EXISTING MAX DAY DEMAND  
1,625 GPM FF AT 3-HYDRANTS  
WITH PIPE CLOSED  
PRESSURE AND VELOCITY EXHIBIT**

MAY 2022





# Board Meeting Agenda Item Summary

April 12, 2023

<b>ITEM #:</b>	07C	<b>ITEM TYPE:</b>	<input checked="" type="checkbox"/> Discussion <input type="checkbox"/> Action <input type="checkbox"/> Both
<b>SUBJECT:</b>	Discussion/action regarding draft rate study revenue requirements findings.		
<b>RELATION TO STRATEGIC PLAN:</b>	<input type="checkbox"/> N/A <input checked="" type="checkbox"/> Advances Goal/Objective #'s: <u>5.21</u>		

## RECOMMENDED ACTION:

Review draft 5-year revenue requirements and provide staff with direction regarding the potential elimination of previously adopted rate study goals and structure of possible 5-year rate increases.

## SUMMARY:

In accordance with District Strategic Plan Objective 5.21, staff is developing a 2023 Water and Sewer Rate Study. On February 8, 2023, the Board adopted the 2023 Water and Sewer Rate Study Principles and Goals, which provides guiding principles in the creation of the rate study. On March 8, 2023, the Board discussed the potential impacts Tuolumne Utilities District's proposed rate increases will have on District rates.

The attached 5-year water and sewer revenue requirements illustrate the amount of additional revenue that will be needed to meet projected water and sewer revenue and expenses over the next five years. Projected operating expenses are primarily based on the average of the following two values: the average of actual expenses over the previous five years and the current fiscal year budget. Projected salaries are based on current employees remaining with the District over the next five years. Projected capital expenses are based on the 5-Year CIP plans (attached).

Both revenue requirement analyses are based on all Financial Goals adopted in the 2023 Rate Study Principles and Goals, except for the following goals which staff recommends be excluded:

- Provide 100% of depreciation costs of future capital improvements.
- Provide accelerated payment toward unfunded liability.

The revenue requirement analyses show that water and sewer rate increases are needed to meet projected expenses and financial planning goals over the next five years. Rate increases can be structured in several different ways over five years, which have varied impacts on customers and reserves. To gain a general perspective on rate increase magnitude and 5-year increase structures, staff has provided three options:

1. Increase rates to meet actual revenue requirement each year.
2. Increase rates with a large increase in initial years and small increases in subsequent years.
3. Increase rates relatively evenly over five years.

## FINANCIAL IMPACT:

None.

## ATTACHMENTS:

- 2023 Water & Sewer Rate Study Principles and Goals
- 5-Year Water and Sewer Revenue Requirement Analysis
- 5-Year Rate Increase Options
- 5-Year Water and Sewer CIP





# Twain Harte Community Services District

P. O. Box 649 ▪ Twain Harte, CA 95383  
Phone: (209) 586-3172 ▪ Fax: (209) 586-0424  
www.twainhartecsd.com

*Directors: Eileen Mannix ▪ Charlotte Bohlman ▪ Gary Sipperley ▪ Richard Knudson ▪ Kathryn deGroot*

## 2023 WATER & SEWER RATE STUDY PRINCIPLES & GOALS

### General Principles

The District desires to develop water and sewer rates that promote:

1. Equitable distribution of costs to each customer class based on real costs of services in compliance with the requirements of Proposition 218.
2. Simplified administration.
3. Easy-to-understand rate structures.
4. District fiscal responsibility and stability.
5. Continued efficient provision of professional, reliable and quality services.
6. Reasonable rate adjustments through balancing the need for increased revenues and customer cost impacts over a 5-year rate adjustment period.

### Water Principles

The District desires to develop water rates that:

1. Promote efficient and conservative use of the District's limited water supply.
2. Provide a stable revenue stream with an irregular seasonal population base.
3. Plan for reasonable future water demands by projecting a use that is based on averaging the past five fiscal years.

### Sewer Principles

The District desires to develop sewer rates that:

1. Equitably distributes costs based on equivalent single family resident (ESFR) units, based on average winter water use for each customer type.

### Financial Goals

The District desires to develop water and sewer rates that are sufficient enough to provide for:

1. 100% of operations and maintenance costs every year.
2. 100% of capital costs in the 5-year Capital Improvement Plan.
3. 100% of depreciation costs of future capital improvements.
4. Accelerated payment toward unfunded liability.
5. A minimum \$350,000 Water Fund Capital Reserves Account balance at the end of five years.
6. A minimum \$250,000 Sewer Fund Capital Reserves Account balance at the end of five years.
7. Operating and Rate Stabilization Reserve Account levels required by the District Reserves Policy.
8. Pass-through of wholesale water and sewer services costs to avoid negative future financial impacts resulting from increased costs imposed by wholesale water and sewer service providers.

Twain Harte Community Services District  
WATER PROJECTIONS WITH CURRENT RATES  
5 Year Revenue Requirement Analysis

	22/23 Budget	23/24 Budget	24/25 Budget	25/26 Budget	26/27 Budget	27/28 Budget
<b>Operating Expenses</b>						
Salaries	\$ 331,618	\$ 341,510	\$ 356,846	\$ 375,716	\$ 390,674	\$ 404,402
Benefits	179,157	191,395	203,136	211,832	220,405	228,944
Equip, Auto, Maint, & Repairs	183,470	154,197	160,364	166,777	173,448	180,386
Materials & Supplies	43,300	41,611	43,276	45,007	46,806	48,679
Outside Services	305,550	23,242	24,170	25,137	26,142	27,188
Other (Purchased Water, Utilities, Regulatory Fees etc.)	229,615	232,513	229,407	237,496	245,766	254,331
<b>Total Program Expenses</b>	<b>\$ 1,272,709</b>	<b>\$ 984,468</b>	<b>\$ 1,017,200</b>	<b>\$ 1,061,966</b>	<b>\$ 1,103,241</b>	<b>\$ 1,143,929</b>
Administrative Cost Allocation	361,585	375,207	391,640	406,237	422,981	436,421
<b>TOTAL OPERATING EXPENSES</b>	<b>\$ 1,634,294</b>	<b>\$ 1,359,675</b>	<b>\$ 1,408,840</b>	<b>\$ 1,468,203</b>	<b>\$ 1,526,222</b>	<b>\$ 1,580,350</b>
<b>Capital and Debt Service</b>						
Debt Service	\$ 188,614	\$ 114,297	\$ 114,297	\$ 114,297	\$ 114,297	\$ 114,297
Capital Outlay	1,855,400	325,500	530,000	315,000	115,000	265,000
<b>Total Capital &amp; Debt Service</b>	<b>\$ 2,044,014</b>	<b>\$ 439,797</b>	<b>\$ 644,297</b>	<b>\$ 429,297</b>	<b>\$ 229,297</b>	<b>\$ 379,297</b>
<b>Reserve Funding Requirements</b>						
Transfer To/(From) Capital Reserve	(545,489)	(243,891)	(407,339)			
Transfer To/(From) Operating Reserve			3,122	14,505	13,532	
Transfer To/(From) Stabilization Reserve						
<b>Total Transfers To/(From) Reserve Accounts</b>	<b>\$ (545,489)</b>	<b>\$ (243,891)</b>	<b>\$ (404,217)</b>	<b>\$ 14,505</b>	<b>\$ 13,532</b>	<b>\$ -</b>
<b>TOTAL REVENUE REQUIRED</b>	<b>\$ 3,132,819</b>	<b>\$ 1,555,581</b>	<b>\$ 1,648,919</b>	<b>\$ 1,912,004</b>	<b>\$ 1,769,051</b>	<b>\$ 1,959,647</b>
<b>Current Revenue</b>						
Service Charges	\$ 1,470,863	\$ 1,470,863	\$ 1,470,863	\$ 1,470,863	\$ 1,470,863	\$ 1,470,863
Fees	18,180	18,180	18,180	18,180	18,180	18,180
Taxes & Assessments	39,292	39,292	39,292	39,292	39,292	39,292
Grants & Donations	1,555,650	-				-
Other Revenue	47,800	23,900	23,900	23,900	23,900	23,900
<b>Total Program Revenue</b>	<b>\$ 3,131,785</b>	<b>\$ 1,552,235</b>	<b>\$ 1,552,235</b>	<b>\$ 1,552,235</b>	<b>\$ 1,552,235</b>	<b>\$ 1,552,235</b>
Administrative Cost Allocation	1,034	3,346	3,346	3,346	3,346	3,346
<b>GRAND TOTAL CURRENT REVENUE</b>	<b>\$ 3,132,819</b>	<b>\$ 1,555,581</b>	<b>\$ 1,555,581</b>	<b>\$ 1,555,581</b>	<b>\$ 1,555,581</b>	<b>\$ 1,555,581</b>
<b>Additional Rate Revenue Required</b>	<b>\$ -</b>	<b>\$ 0</b>	<b>\$ (93,339)</b>	<b>\$ (356,424)</b>	<b>\$ (213,471)</b>	<b>\$ (404,067)</b>

**GRAND TOTAL RATE REVENUE REQUIRED: \$1,067,300**

**Twain Harte Community Services District**  
**WATER PROJECTIONS WITH YEARLY NEEDS INCREASE**  
**5 Year Revenue Requirement Analysis**

	<b>23/24</b>	<b>24/25</b>	<b>25/26</b>	<b>26/27</b>	<b>27/28</b>
	<b>Budget</b>	<b>Budget</b>	<b>Budget</b>	<b>Budget</b>	<b>Budget</b>
<b>Operating Expenses</b>					
Salaries	\$ 341,510	\$ 356,846	\$ 375,716	\$ 390,674	\$ 404,402
Benefits	191,395	203,136	211,832	220,405	228,944
Equip, Auto, Maint, & Repairs	154,197	160,364	166,777	173,448	180,386
Materials & Supplies	41,611	43,276	45,007	46,806	48,679
Outside Services	23,242	24,170	25,137	26,142	27,188
Other (Purchased Water, Utilities, Regulatory Fees etc.)	232,513	229,407	237,496	245,766	254,331
<b>Total Program Expenses</b>	<b>\$ 984,468</b>	<b>\$ 1,017,200</b>	<b>\$ 1,061,966</b>	<b>\$ 1,103,241</b>	<b>\$ 1,143,929</b>
Administrative Cost Allocation	375,207	391,640	406,237	422,981	436,421
<b>TOTAL OPERATING EXPENSES</b>	<b>\$ 1,359,675</b>	<b>\$ 1,408,840</b>	<b>\$ 1,468,203</b>	<b>\$ 1,526,222</b>	<b>\$ 1,580,350</b>
<b>Capital and Debt Service</b>					
Debt Service	\$ 114,297	\$ 114,297	\$ 114,297	\$ 114,297	\$ 114,297
Capital Outlay	325,500	530,000	315,000	115,000	265,000
<b>Total Capital &amp; Debt Service</b>	<b>\$ 439,797</b>	<b>\$ 644,297</b>	<b>\$ 429,297</b>	<b>\$ 229,297</b>	<b>\$ 379,297</b>
<b>Reserve Funding Requirements</b>					
Transfer To/(From) Capital Reserve	(243,891)	(407,339)	-	142,953	(47,643)
Transfer To/(From) Operating Reserve	-	3,122	14,505	13,532	-
Transfer To/(From) Stabilization Reserve	-	-	-	-	-
<b>Total Transfers To/(From) Reserve Accounts</b>	<b>\$ (243,891)</b>	<b>\$ (404,217)</b>	<b>\$ 14,505</b>	<b>\$ 156,485</b>	<b>\$ (47,643)</b>
<b>TOTAL REVENUE REQUIRED</b>	<b>\$ 1,555,581</b>	<b>\$ 1,648,919</b>	<b>\$ 1,912,004</b>	<b>\$ 1,912,004</b>	<b>\$ 1,912,004</b>
<b>Current Revenue</b>					
Service Charges	\$ 1,470,863	\$ 1,564,202	\$ 1,827,287	\$ 1,827,287	\$ 1,827,287
Fees	18,180	18,180	18,180	18,180	18,180
Taxes & Assessments	39,292	39,292	39,292	39,292	39,292
Grants & Donations	-	-	-	-	-
Other Revenue	23,900	23,900	23,900	23,900	23,900
<b>Total Program Revenue</b>	<b>\$ 1,552,235</b>	<b>\$ 1,645,574</b>	<b>\$ 1,908,659</b>	<b>\$ 1,908,659</b>	<b>\$ 1,908,659</b>
Administrative Cost Allocation	3,346	3,346	3,346	3,346	3,346
<b>GRAND TOTAL CURRENT REVENUE</b>	<b>\$ 1,555,581</b>	<b>\$ 1,648,920</b>	<b>\$ 1,912,005</b>	<b>\$ 1,912,005</b>	<b>\$ 1,912,005</b>
<b>Additional Rate Revenue Required</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>
<i>Percentage Increase</i>	0%	6.35%	17%	0.0%	0%
<i>\$/month/Base Rate</i>	\$ -	\$ 4.55	\$ 12.84	\$ -	\$ -

Twain Harte Community Services District  
WATER PROJECTIONS WITH LEVEL INCREASE  
5 Year Revenue Requirement Analysis

	23/24 Budget	24/25 Budget	25/26 Budget	26/27 Budget	27/28 Budget
<b>Operating Expenses</b>					
Salaries	\$ 341,510	\$ 356,846	\$ 375,716	\$ 390,674	\$ 404,402
Benefits	191,395	203,136	211,832	220,405	228,944
Equip, Auto, Maint, & Repairs	154,197	160,364	166,777	173,448	180,386
Materials & Supplies	41,611	43,276	45,007	46,806	48,679
Outside Services	23,242	24,170	25,137	26,142	27,188
Other (Purchased Water, Utilities, Regulatory Fees etc.)	232,513	229,407	237,496	245,766	254,331
<b>Total Program Expenses</b>	<b>\$ 984,468</b>	<b>\$ 1,017,200</b>	<b>\$ 1,061,966</b>	<b>\$ 1,103,241</b>	<b>\$ 1,143,929</b>
Administrative Cost Allocation	375,207	391,640	406,237	422,981	436,421
<b>TOTAL OPERATING EXPENSES</b>	<b>\$ 1,359,675</b>	<b>\$ 1,408,840</b>	<b>\$ 1,468,203</b>	<b>\$ 1,526,222</b>	<b>\$ 1,580,350</b>
<b>Capital and Debt Service</b>					
Debt Service	\$ 114,297	\$ 114,297	\$ 114,297	\$ 114,297	\$ 114,297
Capital Outlay	325,500	530,000	315,000	115,000	265,000
<b>Total Capital &amp; Debt Service</b>	<b>\$ 439,797</b>	<b>\$ 644,297</b>	<b>\$ 429,297</b>	<b>\$ 229,297</b>	<b>\$ 379,297</b>
<b>Reserve Funding Requirements</b>					
Transfer To/(From) Capital Reserve	(177,702)	(365,322)	(148,788)	73,894	(33,186)
Transfer To/(From) Operating Reserve	-	3,122	14,505	13,532	-
Transfer To/(From) Stabilization Reserve	-	-	-	-	-
<b>Total Transfers To/(From) Reserve Accounts</b>	<b>\$ (177,702)</b>	<b>\$ (362,200)</b>	<b>\$ (134,283)</b>	<b>\$ 87,426</b>	<b>\$ (33,186)</b>
<b>TOTAL REVENUE REQUIRED</b>	<b>\$ 1,621,770</b>	<b>\$ 1,690,936</b>	<b>\$ 1,763,216</b>	<b>\$ 1,842,945</b>	<b>\$ 1,926,461</b>
<b>Current Revenue</b>					
Service Charges	\$ 1,537,052	\$ 1,606,219	\$ 1,678,499	\$ 1,758,227	\$ 1,841,743
Fees	18,180	18,180	18,180	18,180	18,180
Taxes & Assessments	39,292	39,292	39,292	39,292	39,292
Grants & Donations	-	-	-	-	-
Other Revenue	23,900	23,900	23,900	23,900	23,900
<b>Total Program Revenue</b>	<b>\$ 1,618,424</b>	<b>\$ 1,687,591</b>	<b>\$ 1,759,871</b>	<b>\$ 1,839,599</b>	<b>\$ 1,923,115</b>
Administrative Cost Allocation	3,346	3,346	3,346	3,346	3,346
<b>GRAND TOTAL CURRENT REVENUE</b>	<b>\$ 1,621,770</b>	<b>\$ 1,690,937</b>	<b>\$ 1,763,217</b>	<b>\$ 1,842,945</b>	<b>\$ 1,926,461</b>
<b>Additional Rate Revenue Required</b>	<b>\$ (0)</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ (0)</b>
<i>Percentage Increase</i>	4.50%	4.50%	4.50%	4.75%	4.75%
<i>\$/month/Base Rate</i>	\$ 3.23	\$ 3.37	\$ 3.53	\$ 3.89	\$ 4.07

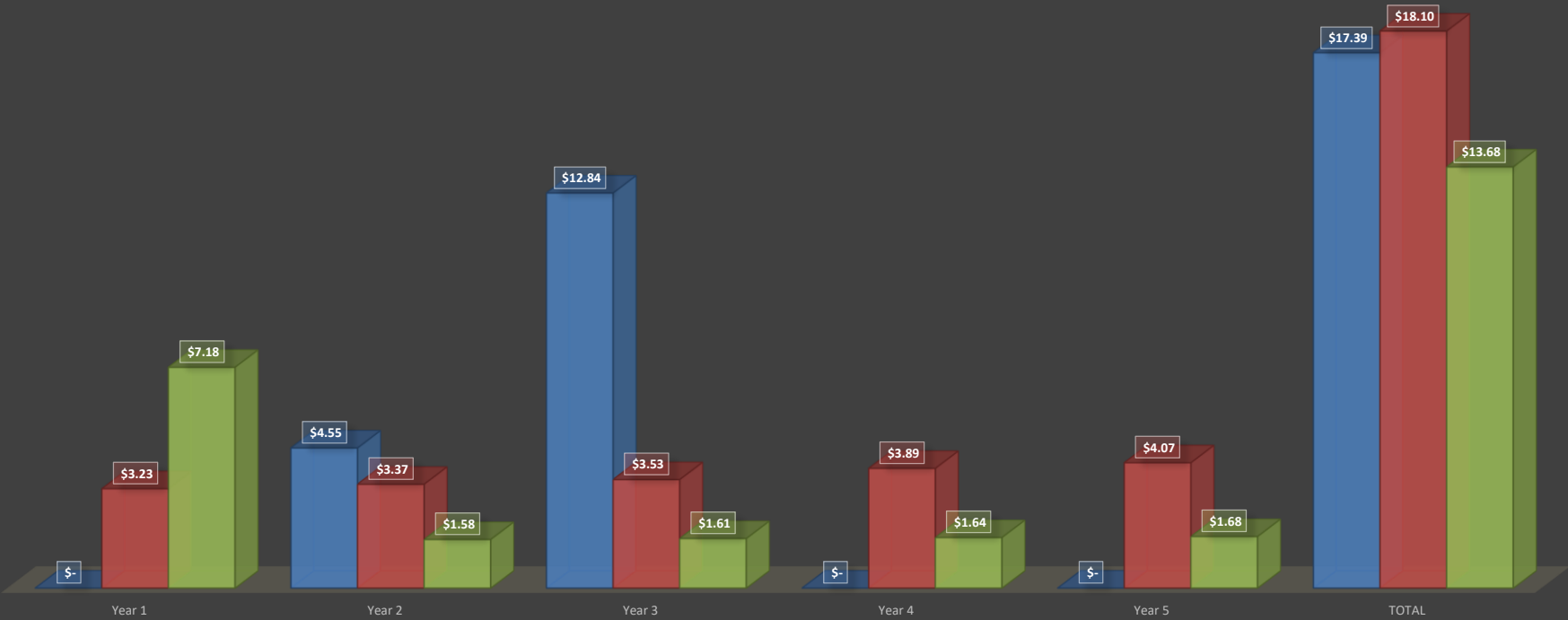
Twain Harte Community Services District  
WATER PROJECTIONS WITH FRONT LOADED INCREASE  
5 Year Revenue Requirement Analysis

	23/24 Budget	24/25 Budget	25/26 Budget	26/27 Budget	27/28 Budget
<b>Operating Expenses</b>					
Salaries	\$ 341,510	\$ 356,846	\$ 375,716	\$ 390,674	\$ 404,402
Benefits	191,395	203,136	211,832	220,405	228,944
Equip, Auto, Maint, & Repairs	154,197	160,364	166,777	173,448	180,386
Materials & Supplies	41,611	43,276	45,007	46,806	48,679
Outside Services	23,242	24,170	25,137	26,142	27,188
Other (Purchased Water, Utilities, Regulatory Fees etc.)	232,513	229,407	237,496	245,766	254,331
<b>Total Program Expenses</b>	<b>\$ 984,468</b>	<b>\$ 1,017,200</b>	<b>\$ 1,061,966</b>	<b>\$ 1,103,241</b>	<b>\$ 1,143,929</b>
Administrative Cost Allocation	375,207	391,640	406,237	422,981	436,421
<b>TOTAL OPERATING EXPENSES</b>	<b>\$ 1,359,675</b>	<b>\$ 1,408,840</b>	<b>\$ 1,468,203</b>	<b>\$ 1,526,222</b>	<b>\$ 1,580,350</b>
<b>Capital and Debt Service</b>					
Debt Service	\$ 114,297	\$ 114,297	\$ 114,297	\$ 114,297	\$ 114,297
Capital Outlay	325,500	530,000	315,000	115,000	265,000
<b>Total Capital &amp; Debt Service</b>	<b>\$ 439,797</b>	<b>\$ 644,297</b>	<b>\$ 429,297</b>	<b>\$ 229,297</b>	<b>\$ 379,297</b>
<b>Reserve Funding Requirements</b>					
Transfer To/(From) Capital Reserve	(96,805)	(321,232)	(143,972)	32,647	(123,609)
Transfer To/(From) Operating Reserve	-	3,122	14,505	13,532	-
Transfer To/(From) Stabilization Reserve	-	-	-	-	-
<b>Total Transfers To/(From) Reserve Accounts</b>	<b>\$ (96,805)</b>	<b>\$ (318,110)</b>	<b>\$ (129,467)</b>	<b>\$ 46,179</b>	<b>\$ (123,609)</b>
<b>TOTAL REVENUE REQUIRED</b>	<b>\$ 1,702,667</b>	<b>\$ 1,735,026</b>	<b>\$ 1,768,032</b>	<b>\$ 1,801,698</b>	<b>\$ 1,836,038</b>
<b>Current Revenue</b>					
Service Charges	\$ 1,617,949	\$ 1,650,308	\$ 1,683,314	\$ 1,716,980	\$ 1,751,320
Fees	18,180	18,180	18,180	18,180	18,180
Taxes & Assessments	39,292	39,292	39,292	39,292	39,292
Grants & Donations	-	-	-	-	-
Other Revenue	23,900	23,900	23,900	23,900	23,900
<b>Total Program Revenue</b>	<b>\$ 1,699,321</b>	<b>\$ 1,731,680</b>	<b>\$ 1,764,686</b>	<b>\$ 1,798,352</b>	<b>\$ 1,832,692</b>
Administrative Cost Allocation	3,346	3,346	3,346	3,346	3,346
<b>GRAND TOTAL CURRENT REVENUE</b>	<b>\$ 1,702,667</b>	<b>\$ 1,735,026</b>	<b>\$ 1,768,032</b>	<b>\$ 1,801,698</b>	<b>\$ 1,836,038</b>
<b>Additional Rate Revenue Required</b>	<b>\$ 0</b>	<b>\$ (0)</b>	<b>\$ (0)</b>	<b>\$ 0</b>	<b>\$ (0)</b>
Percentage Increase	10.0%	2.0%	2.0%	2.0%	2.0%
\$/month/Base Rate	\$ 7.18	\$ 1.58	\$ 1.61	\$ 1.64	\$ 1.68



# WATER RATE ANALYSIS

As Needed Level Front Load



Twain Harte Community Services District  
SEWER PROJECTIONS WITH CURRENT RATES  
Revenue Requirements Analysis

	22/23 Budget	23/24 Budget	24/25 Budget	25/26 Budget	26/27 Budget	27/28 Budget
<b>Expenses</b>						
Salaries	\$ 183,109	\$ 189,822	\$ 198,028	\$ 208,136	\$ 216,136	\$ 223,394
Benefits	98,967	104,800	111,153	115,913	120,602	125,257
Equip, Auto, Maint, & Repairs	69,900	64,384	66,959	69,639	72,425	75,322
Materials & Supplies	5,900	5,916	6,152	6,398	6,654	6,920
Outside Services	30,550	21,049	21,891	22,765	23,677	24,624
Other (TUD Treatment & Disposal, Utilities, Regulatory Fees etc.)	535,400	604,169	682,080	689,243	698,987	711,317
<b>Total Program Expenses</b>	<b>\$ 923,826</b>	<b>\$ 990,141</b>	<b>\$ 1,086,264</b>	<b>\$ 1,112,095</b>	<b>\$ 1,138,480</b>	<b>\$ 1,166,834</b>
Administrative Cost Allocation	192,332	199,578	208,319	216,084	224,990	232,139
<b>TOTAL OPERATING EXPENSES</b>	<b>\$ 1,116,158</b>	<b>\$ 1,189,719</b>	<b>\$ 1,294,583</b>	<b>\$ 1,328,179</b>	<b>\$ 1,363,470</b>	<b>\$ 1,398,973</b>
<b>Capital and Debt Service</b>						
Capital Outlay	224,300	220,500	215,000	150,000	150,000	220,000
Debt Service	16,976	16,884	16,862			
<b>Total Capital &amp; Debt Service</b>	<b>241,276</b>	<b>237,384</b>	<b>231,862</b>	<b>150,000</b>	<b>150,000</b>	<b>220,000</b>
<b>Reserve Funding Requirements</b>						
Transfer To/(From) Capital Reserve	(238,623)	(237,384)	(190,200)			
Transfer To/(From) Operating Reserve	41,601	26,216	8,399	8,823	8,875	9,093
Transfer To/(From) Stabilization Reserve	-					
<b>Total Transfers To/(From) Reserve Accounts</b>	<b>\$ (197,022)</b>	<b>\$ (211,168)</b>	<b>\$ (181,801)</b>	<b>\$ 8,823</b>	<b>\$ 8,875</b>	<b>\$ 9,093</b>
<b>TOTAL REVENUE REQUIRED</b>	<b>\$ 1,160,412</b>	<b>\$ 1,215,935</b>	<b>\$ 1,344,644</b>	<b>\$ 1,487,002</b>	<b>\$ 1,522,345</b>	<b>\$ 1,628,066</b>
<b>Current Revenue</b>						
Service Charges	\$ 1,137,942	\$ 1,137,942	\$ 1,137,942	\$ 1,137,942	\$ 1,137,942	\$ 1,137,942
Fees	14,820	14,820	14,820	14,820	14,820	14,820
Other Revenue	7,100	7,100	7,100	7,100	7,100	7,100
<b>Total Program Revenue</b>	<b>\$ 1,159,862</b>	<b>\$ 1,159,862</b>	<b>\$ 1,159,862</b>	<b>\$ 1,159,862</b>	<b>\$ 1,159,862</b>	<b>\$ 1,159,862</b>
Administrative Cost Allocation	550	1,780	1,780	1,780	1,780	1,780
<b>GRAND TOTAL CURRENT REVENUE</b>	<b>\$ 1,160,412</b>	<b>\$ 1,161,642</b>	<b>\$ 1,161,642</b>	<b>\$ 1,161,642</b>	<b>\$ 1,161,642</b>	<b>\$ 1,161,642</b>
<b>ADDITIONAL RATE REVENUE REQUIRED</b>	<b>\$ (0)</b>	<b>\$ (54,293)</b>	<b>\$ (183,002)</b>	<b>\$ (325,360)</b>	<b>\$ (360,703)</b>	<b>\$ (466,424)</b>

**GRAND TOTAL RATE REVENUE REQUIRED: \$1,389,782**

**Twain Harte Community Services District**  
**SEWER PROJECTIONS WITH YEARLY NEEDS INCREASE**  
**5 Revenue Requirements Analysis**

	<b>23/24</b>	<b>24/25</b>	<b>25/26</b>	<b>26/27</b>	<b>27/28</b>
	<b>Budget</b>	<b>Budget</b>	<b>Budget</b>	<b>Budget</b>	<b>Budget</b>
<b>Expenses</b>					
Salaries	\$ 189,822	\$ 198,028	\$ 208,136	\$ 216,136	\$ 223,394
Benefits	104,800	111,153	115,913	120,602	125,257
Equip, Auto, Maint, & Repairs	64,384	66,959	69,639	72,425	75,322
Materials & Supplies	5,916	6,152	6,398	6,654	6,920
Outside Services	21,049	21,891	22,765	23,677	24,624
Other (TUD Treatment & Disposal, Utilities, Regulatory Fees etc.)	604,169	682,080	689,243	698,987	711,317
<b>Total Program Expenses</b>	<b>\$ 990,141</b>	<b>\$ 1,086,264</b>	<b>\$ 1,112,095</b>	<b>\$ 1,138,480</b>	<b>\$ 1,166,834</b>
Administrative Cost Allocation	199,578	208,319	216,084	224,990	232,139
<b>TOTAL OPERATING EXPENSES</b>	<b>\$ 1,189,719</b>	<b>\$ 1,294,583</b>	<b>\$ 1,328,179</b>	<b>\$ 1,363,470</b>	<b>\$ 1,398,973</b>
<b>Capital and Debt Service</b>					
Capital Outlay	220,500	215,000	150,000	150,000	220,000
Debt Service	16,884	16,862	-	-	-
<b>Total Capital &amp; Debt Service</b>	<b>237,384</b>	<b>231,862</b>	<b>150,000</b>	<b>150,000</b>	<b>220,000</b>
<b>Reserve Funding Requirements</b>					
Transfer To/(From) Capital Reserve	<b>(237,384)</b>	<b>(190,200)</b>			
Transfer To/(From) Operating Reserve	<b>26,216</b>	<b>8,399</b>	<b>8,823</b>	<b>8,875</b>	<b>9,093</b>
Transfer To/(From) Stabilization Reserve	-				
<b>Reserve Funding</b>	<b>(211,168)</b>	<b>(181,801)</b>	<b>8,823</b>	<b>8,875</b>	<b>9,093</b>
<b>TOTAL REVENUE REQUIRED</b>	<b>\$ 1,215,935</b>	<b>\$ 1,344,644</b>	<b>\$ 1,487,002</b>	<b>\$ 1,522,345</b>	<b>\$ 1,628,066</b>
<b>Current Revenue</b>					
Service Charges	\$ 1,192,235	\$ 1,320,944	\$ 1,463,302	\$ 1,498,645	\$ 1,604,366
Fees	14,820	14,820	14,820	14,820	14,820
Grants & Donations	-	-	-	-	-
Other Revenue	7,100	7,100	7,100	7,100	7,100
<b>Total Program Revenue</b>	<b>\$ 1,214,155</b>	<b>\$ 1,342,864</b>	<b>\$ 1,485,222</b>	<b>\$ 1,520,565</b>	<b>\$ 1,626,286</b>
Administrative Cost Allocation	1,780	1,780	1,780	1,780	1,780
<b>GRAND TOTAL CURRENT REVENUE</b>	<b>\$ 1,215,935</b>	<b>\$ 1,344,644</b>	<b>\$ 1,487,002</b>	<b>\$ 1,522,345</b>	<b>\$ 1,628,066</b>
<b>Revenue Requirement (Shortage)/Surplus</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ (0)</b>	<b>\$ (0)</b>
<i>Percentage Increase</i>	4.77%	10.80%	10.78%	2.42%	7.05%
<i>\$/month/ESFR</i>	\$ 2.79	\$ 6.62	\$ 7.32	\$ 1.82	\$ 5.43

**Twain Harte Community Services District  
SEWER PROJECTIONS WITH LEVEL INCREASE  
5 Revenue Requirements Analysis**

	<b>23/24</b>	<b>24/25</b>	<b>25/26</b>	<b>26/27</b>	<b>27/28</b>
	<b>Budget</b>	<b>Budget</b>	<b>Budget</b>	<b>Budget</b>	<b>Budget</b>
<b>Expenses</b>					
Salaries	\$ 189,822	\$ 198,028	\$ 208,136	\$ 216,136	\$ 223,394
Benefits	104,800	111,153	115,913	120,602	125,257
Equip, Auto, Maint, & Repairs	64,384	66,959	69,639	72,425	75,322
Materials & Supplies	5,916	6,152	6,398	6,654	6,920
Outside Services	21,049	21,891	22,765	23,677	24,624
Other (TUD Treatment & Disposal, Utilities, Regulatory Fees etc.)	604,169	682,080	689,243	698,987	711,317
<b>Total Program Expenses</b>	<b>\$ 990,141</b>	<b>\$ 1,086,264</b>	<b>\$ 1,112,095</b>	<b>\$ 1,138,480</b>	<b>\$ 1,166,834</b>
Administrative Cost Allocation	199,578	208,319	216,084	224,990	232,139
<b>TOTAL OPERATING EXPENSES</b>	<b>\$ 1,189,719</b>	<b>\$ 1,294,583</b>	<b>\$ 1,328,179</b>	<b>\$ 1,363,470</b>	<b>\$ 1,398,973</b>
<b>Capital and Debt Service</b>					
Capital Outlay	220,500	215,000	150,000	150,000	220,000
Debt Service	16,884	16,862	-	-	-
<b>Total Capital &amp; Debt Service</b>	<b>237,384</b>	<b>231,862</b>	<b>150,000</b>	<b>150,000</b>	<b>220,000</b>
<b>Reserve Funding Requirements</b>					
Transfer To/(From) Capital Reserve	(206,331)	(199,168)	(52,927)	13,981	17,925
Transfer To/(From) Operating Reserve	26,216	8,399	8,823	8,875	9,093
Transfer To/(From) Stabilization Reserve	-				
<b>Reserve Funding</b>	<b>(180,115)</b>	<b>(190,769)</b>	<b>(44,104)</b>	<b>22,856</b>	<b>27,018</b>
<b>TOTAL REVENUE REQUIRED</b>	<b>\$ 1,246,988</b>	<b>\$ 1,335,676</b>	<b>\$ 1,434,075</b>	<b>\$ 1,536,326</b>	<b>\$ 1,645,991</b>
<b>Current Revenue</b>					
Service Charges	\$ 1,223,288	\$ 1,311,976	\$ 1,410,374	\$ 1,512,626	\$ 1,622,292
Fees	14,820	14,820	14,820	14,820	14,820
Grants & Donations	-	-	-	-	-
Other Revenue	7,100	7,100	7,100	7,100	7,100
<b>Total Program Revenue</b>	<b>\$ 1,245,208</b>	<b>\$ 1,333,896</b>	<b>\$ 1,432,294</b>	<b>\$ 1,534,546</b>	<b>\$ 1,644,212</b>
Administrative Cost Allocation	1,780	1,780	1,780	1,780	1,780
<b>GRAND TOTAL CURRENT REVENUE</b>	<b>\$ 1,246,988</b>	<b>\$ 1,335,676</b>	<b>\$ 1,434,074</b>	<b>\$ 1,536,326</b>	<b>\$ 1,645,992</b>
<b>Revenue Requirement (Shortage)/Surplus</b>	<b>\$ (0)</b>	<b>\$ 0</b>	<b>\$ (0)</b>	<b>\$ 0</b>	<b>\$ 0</b>
<i>Percentage Increase</i>	7.50%	7.25%	7.50%	7.25%	7.25%
<i>\$/month/ESFR</i>	\$ 4.39	\$ 4.56	\$ 5.06	\$ 5.26	\$ 5.64

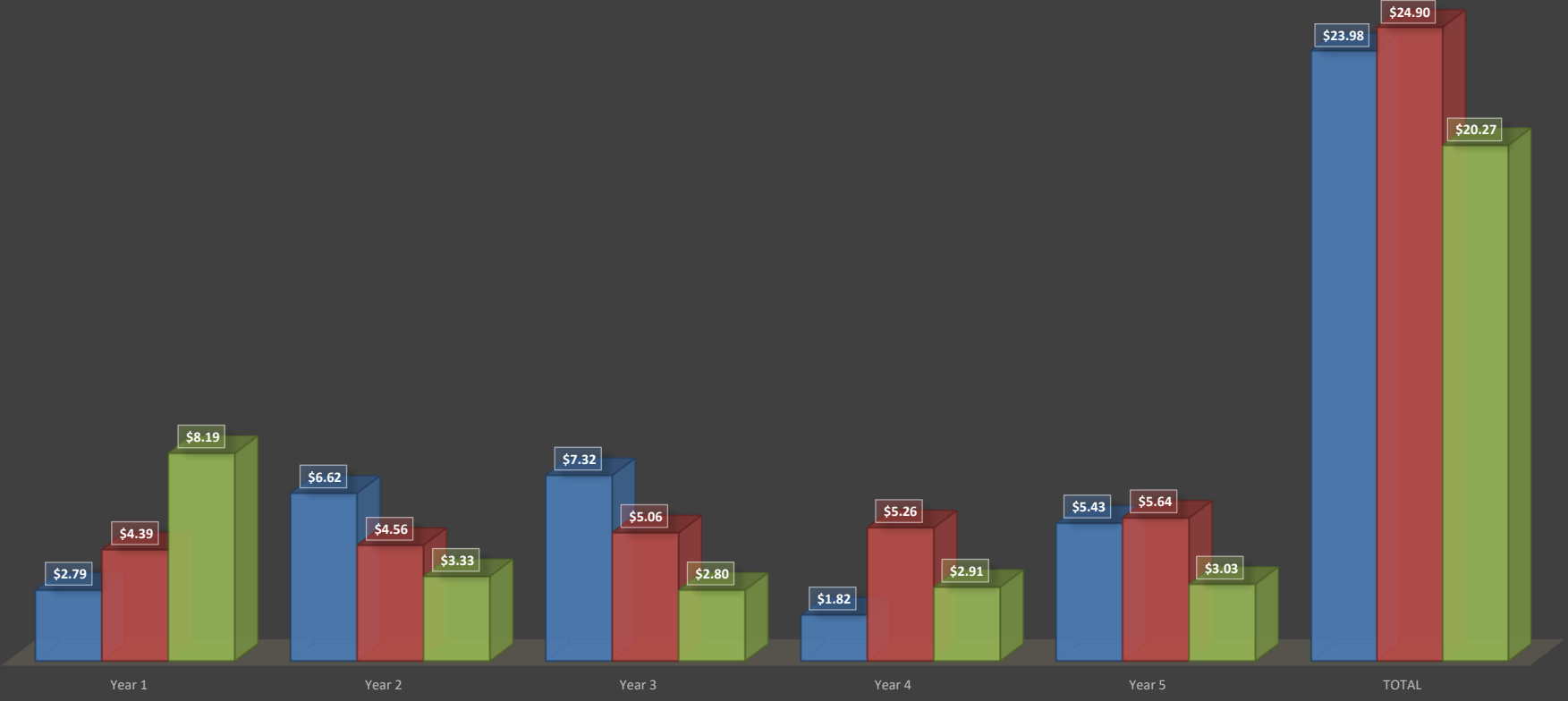


**Twain Harte Community Services District**  
**SEWER PROJECTIONS WITH FRONT LOADED RATE INCREASE**  
**5 Revenue Requirements Analysis**

	<b>23/24</b>	<b>24/25</b>	<b>25/26</b>	<b>26/27</b>	<b>27/28</b>
	<b>Budget</b>	<b>Budget</b>	<b>Budget</b>	<b>Budget</b>	<b>Budget</b>
<b>Expenses</b>					
Salaries	\$ 189,822	\$ 198,028	\$ 208,136	\$ 216,136	\$ 223,394
Benefits	104,800	111,153	115,913	120,602	125,257
Equip, Auto, Maint, & Repairs	64,384	66,959	69,639	72,425	75,322
Materials & Supplies	5,916	6,152	6,398	6,654	6,920
Outside Services	21,049	21,891	22,765	23,677	24,624
Other (TUD Treatment & Disposal, Utilities, Regulatory Fees etc.)	604,169	682,080	689,243	698,987	711,317
<b>Total Program Expenses</b>	<b>\$ 990,141</b>	<b>\$ 1,086,264</b>	<b>\$ 1,112,095</b>	<b>\$ 1,138,480</b>	<b>\$ 1,166,834</b>
Administrative Cost Allocation	199,578	208,319	216,084	224,990	232,139
<b>TOTAL OPERATING EXPENSES</b>	<b>\$ 1,189,719</b>	<b>\$ 1,294,583</b>	<b>\$ 1,328,179</b>	<b>\$ 1,363,470</b>	<b>\$ 1,398,973</b>
<b>Capital and Debt Service</b>					
Capital Outlay	220,500	215,000	150,000	150,000	220,000
Debt Service	16,884	16,862	-	-	-
<b>Total Capital &amp; Debt Service</b>	<b>237,384</b>	<b>231,862</b>	<b>150,000</b>	<b>150,000</b>	<b>220,000</b>
<b>Reserve Funding Requirements</b>					
Transfer To/(From) Capital Reserve	(132,365)	(149,027)	(46,700)	(25,380)	(72,170)
Transfer To/(From) Operating Reserve	26,216	8,399	8,823	8,875	9,093
Transfer To/(From) Stabilization Reserve	-	-	-	-	-
<b>Reserve Funding</b>	<b>(106,149)</b>	<b>(140,628)</b>	<b>(37,877)</b>	<b>(16,505)</b>	<b>(63,077)</b>
<b>TOTAL REVENUE REQUIRED</b>	<b>\$ 1,320,954</b>	<b>\$ 1,385,817</b>	<b>\$ 1,440,302</b>	<b>\$ 1,496,965</b>	<b>\$ 1,555,896</b>
<b>Current Revenue</b>					
Service Charges	\$ 1,297,254	\$ 1,362,117	\$ 1,416,601	\$ 1,473,265	\$ 1,532,196
Fees	14,820	14,820	14,820	14,820	14,820
Grants & Donations	-	-	-	-	-
Other Revenue	7,100	7,100	7,100	7,100	7,100
<b>Total Program Revenue</b>	<b>\$ 1,319,174</b>	<b>\$ 1,384,037</b>	<b>\$ 1,438,521</b>	<b>\$ 1,495,185</b>	<b>\$ 1,554,116</b>
Administrative Cost Allocation	1,780	1,780	1,780	1,780	1,780
<b>GRAND TOTAL CURRENT REVENUE</b>	<b>\$ 1,320,954</b>	<b>\$ 1,385,817</b>	<b>\$ 1,440,301</b>	<b>\$ 1,496,965</b>	<b>\$ 1,555,896</b>
<b>Revenue Requirement (Shortage)/Surplus</b>	<b>\$ (0)</b>	<b>\$ (0)</b>	<b>\$ (0)</b>	<b>\$ 0</b>	<b>\$ (0)</b>
<i>Percentage Increase</i>	14.00%	5.00%	4.00%	4.00%	4.00%
<i>\$/month/ESFR</i>	\$ 8.19	\$ 3.33	\$ 2.80	\$ 2.91	\$ 3.03

# SEWER RATE ANALYSIS

As Needed Level Front Load



**5-YEAR CAPITAL OUTLAY PLAN**

**Water Fund - FY 23/24**

	Budgeted FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	Out Years 6 to 10	TOTAL
FH Improvements	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 75,000	\$ 165,000
WTP Backwash PLC Replacement	\$ 25,000	\$ -						\$ 25,000
SCADA Upgrade	\$ 300,000	\$ 25,000						\$ 325,000
Black Oak System Radio	\$ 10,000	\$ -						\$ 10,000
Equipment Trailer	\$ 13,000							\$ 13,000
Truck #3 Replace (35% Sewer)	\$ 32,400							\$ 32,400
WTP Motor Control Center Upgrade	\$ 185,000							\$ 185,000
Million Gallon Tank #2 Rehab/Recoat <sup>3</sup>	\$ 1,275,000							\$ 1,275,000
Turbidimeter Replacement		\$ 40,000						\$ 40,000
Rebed Treatment Filters		\$ 85,000						\$ 85,000
Truck #4 Replace (35% Sewer)		\$ 52,000						\$ 52,000
Truck #4 Plow (35% Sewer)		\$ 8,500						\$ 8,500
Cedar Pines Pressure Zone Upgrades		\$ 100,000	\$ 350,000					\$ 450,000
Manzanita Ct Waterline Upgrade			\$ 160,000					\$ 160,000
Emergency Response Trailer (50% S)			\$ 5,000					\$ 5,000
Sherwood Forest Water System Upgrade <sup>4</sup>			\$ 300,000	\$ 2,000,000	\$ 1,400,000			\$ 3,700,000
Rehab/Recoat Black Oak Tanks				\$ 300,000				\$ 300,000
High Pressure Pipe/Lateral Replacement					\$ 100,000	\$ 150,000	\$ 2,500,000	\$ 2,750,000
Shadybrook Dredging/Bypass						\$ 100,000	\$ 850,000	\$ 950,000
Recoat Sherwood Tank							\$ 100,000	\$ 100,000
Vehicle/Equipment Replacement							\$ 145,420	\$ 145,420
<b>TOTAL CAPITAL OUTLAY</b>	<b>\$ 1,855,400</b>	<b>\$ 325,500</b>	<b>\$ 830,000</b>	<b>\$ 2,315,000</b>	<b>\$ 1,515,000</b>	<b>\$ 265,000</b>	<b>\$ 3,670,420</b>	<b>\$ 10,776,320</b>

**NOTES:**

**1** Vehicle/Equipment replacement items match the THCSO Vehicle/Equipment Replacement Plan.

**2** An inflation factor of 3% per year has been applied to future capital costs.

**3** Project costs 100% covered by grants

**4** Project anticipated to be 100% grant funded

**5-YEAR CAPITAL OUTLAY PLAN**

**Sewer Fund - FY 23/24**

	Budgeted FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	Out Years 6 to 10	TOTAL
Truck #3 Replace (65% W) <sup>4</sup>	\$ 17,300							\$ 17,300
I&I Manhole Repair/Replacement	\$ 25,000							\$ 25,000
SCADA Upgrade	\$ 100,000							\$ 100,000
Equipment Trailer	\$ 7,000							\$ 7,000
Sewer Main Re-Lining/Replacement	\$ 75,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 750,000	\$ 1,575,000
Truck #4 Replace (65% W)		\$ 28,000						\$ 28,000
Truck #4 Plow (65% W)		\$ 4,500						\$ 4,500
Push Camera		\$ 25,000						\$ 25,000
Lift Station Backup Pump		\$ 13,000						\$ 13,000
TH Pipeline Replacement Project <sup>3</sup>		\$ 490,000	\$ 2,700,000	\$ 1,300,000				\$ 4,490,000
Emergency Response Trailer			\$ 5,000					\$ 5,000
Sequoia Dr - 6" Replacement			\$ 60,000					\$ 60,000
East Ave/Cedar Pines - 8" Replacement						\$ 70,000	\$ 330,000	\$ 400,000
Cresta/Oakview - 6" Replacement							\$ 580,000	\$ 580,000
Little Fuller/Virgina - 6" Replacement							\$ 80,000	\$ 80,000
Big Pine - 6" Replacement							\$ 40,000	\$ 40,000
Sherwood Forest Sewer <sup>8</sup>							\$ 3,575,000	\$ 3,575,000
Vehicle/Equipment Replace							\$ 86,380	\$ 86,380
<b>TOTAL CAPITAL OUTLAY</b>	<b>\$ 224,300</b>	<b>\$ 710,500</b>	<b>\$ 2,915,000</b>	<b>\$ 1,450,000</b>	<b>\$ 150,000</b>	<b>\$ 220,000</b>	<b>\$ 5,441,380</b>	<b>\$ 11,111,180</b>

**NOTES:**

**1** Vehicle/Equipment replacement items match the THCS D Vehicle/Equipment Replacement Plan.

**2** An inflation factor of 3% per year has been applied to future capital costs.

**3** Project anticipated to be 100% grant funded





# Board Meeting Agenda Item Summary

April 12, 2023

<b>ITEM #:</b>	08A	<b>ITEM TYPE:</b>	<input checked="" type="checkbox"/> Discussion <input type="checkbox"/> Action <input type="checkbox"/> Both
<b>SUBJECT:</b>	President and Board member reports.		
<b>RELATION TO STRATEGIC PLAN:</b>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Advances Goal/Objective #'s: _____		

**RECOMMENDED ACTION:**

None.

**SUMMARY:**

This item provides an opportunity for individual Board members to provide a verbal report of District-related activities undertaken in the previous month.

**FINANCIAL IMPACT:**

None.

**ATTACHMENTS:**

None.



# Board Meeting Agenda Item Summary

April 12, 2023

<b>ITEM #:</b>	08B	<b>ITEM TYPE:</b>	<input checked="" type="checkbox"/> Discussion <input type="checkbox"/> Action <input type="checkbox"/> Both
<b>SUBJECT:</b>	Fire Chief's report.		
<b>RELATION TO STRATEGIC PLAN:</b>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Advances Goal/Objective #'s: _____		

## RECOMMENDED ACTION:

None.

## SUMMARY:

This item includes a written and verbal report from the Fire Chief regarding general operations of the District's Fire Division over the previous month.

## FINANCIAL IMPACT:

None.

## ATTACHMENTS:

- Fire Operations Report
- CERT Monthly Newsletter

# March 2023

## Operations Report

### Fire Division



# STAFFING

E-721  
Full-Time Captains-2

Temp Captain-1

Intern Operators-1

Relief Captains-3

Reserve Firefighters-1

Intern Firefighters-2





# 2023 Storm Response Round 3



On March 5th, E-723 responded to a phone report to the station of a concerned homeowner regarding the snow loading on his home. The homeowner stated he was having difficulty opening some of his interior doors. Fire crews accessed the attic space and identified some significant structural roof members damaged and compromised. We were able to contact the homeowner's daughter and get them to safety until the home could be repaired.





# 2023 Storm Response Round 3

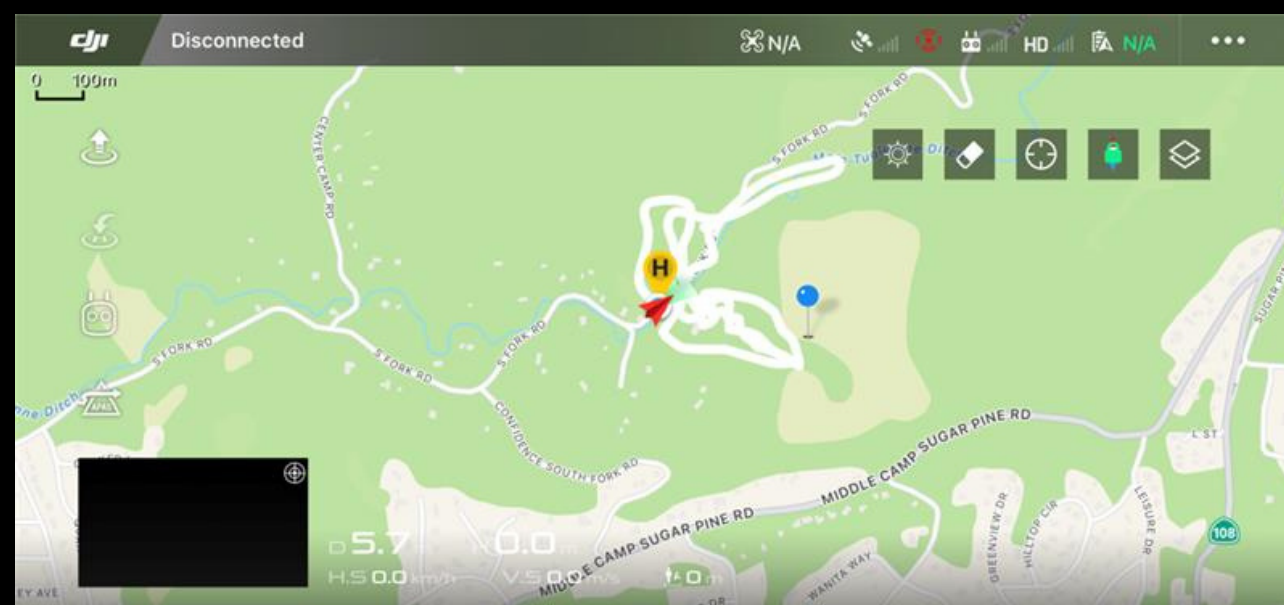


On March 6th, THFD was dispatched to two incidents in the district simultaneously—one on Timberwood Drive and the other on Marquis Drive. C-720 requested Cal Fire E-4455 & E-553 to assist with the Marques incident. Both incidents were brought under control in less than an hour. Minimal floods occurred at both the Marques incident and the Timberwood incident.





# 2023 Storm Response Round 3



On March 16th, Tuolumne County OES requested C-720 to fly recon with the drone on a reported mudslide that caused structural damage to a South Fork road area residence. The mudslide caused significant structural damage to the residence, and thankfully no one was injured.





# FLEET/FACILITIES



On March 8th, we picked up E-721 from Hi-Tech. On March 15th, E-721 was returned to Hi-Tech to complete work that needed to be completed.



The new C-720 truck has been taken to NextGen in Sacramento to install the lights, Siren, and radio.





# March Responses-41



Roof-mounted gas line

On March 6th E-723 responded to an in-district residential structure fire in the Gurney Station road area. Due to a large amount of snow, crews were delayed in accessing the roof where the fire was located. The fire damaged the heating unit on the roof, the attic space, and the interior drywall in the kitchen. We contacted the homeowner and arranged for them to get construction workers on sight to patch the hole in the roof to prevent further damage to the residence.





# March Responses



On March 7th, Tuolumne County Fire/Cal Fire requested C-720 and WT-721 for a Multi-Family Residential Structure Fire on Hess Avenue. The fire quickly escalated to a greater alarm fire (three alarms), and additional resources were requested. Two disabled kids were rescued by the first arriving engine.





# March Responses



On March 11th, C-720 responded to a Mutual Aid to a Commercial Structure Fire in the City of Sonora. The fire was located under the floor at Flappy's Pizza. Fire crews had to cut a hole in the bathroom floor of Flappy's to access the fire. During this process, a transient popped up from the hole in the floor and asked to be rescued due to the rising nearby river. He could not leave the area and started the fire to keep warm. The transient was placed under arrest by Sonora P.D.





# March Training Hours-150



Intern McNeal and Giligo have completed their Driver Operator training and are working on their drive time on all the district Engines.



I attended the annual SDRMA Spring Education Day training in Sacramento.





# Community Projects



On March 30th, the Twain Harte Fire Department completed the installation of Automatic External Defibrillators as part of a grant we received from the Sonora Area Foundation. The Twain Harte Community Heart Start program was created to allow easy and quick access to AEDs throughout the district within less than 1 mile of travel between locations. Currently, the AEDs are located at the Local Press, Twain Harte Cal Fire, Twain Harte Pharmacy, Twain Harte Market, and Twain Harte Lumber. Thank you to the Sonora Area Foundation and the local business for supporting this project.





# Financials



The Staffing for Adequate Fire and Emergency Response (SAFER) Grant was submitted and awaiting approval. Per the grant writer, we should hear something around September. The grant writer is very optimistic about our chances for approval.

We are currently working on the 23/24 annual budget for fire.





# THFD INCIDENT STATISTICS FOR MARCH 2023



EMS Incidents-38%



Fire Incidents-8%



Good Intent-31%



Natural Disaster-10%



Hazardous Conditions-10%



False Alarms 3%



# MARCH 2023 RESPONSE BY DISTRICT STATISTICS



Twain Harte District-74%



Tuolumne County Fire-21%



Mi Wuk Sugar Pine Fire-5%





SERVING OUR COMMUNITY

## MONTHLY UPDATE

March 2023

Mary Schreiner, Editor & PIO  
twainhartecert@gmail.com

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## NOTES FROM THE PROGRAM MANAGER

by Carol Hallett



March Madness, oh don't you know it!

Seriously, tornado, flash flood, hail storm, thunder & lightening storm, rain, and of course let's not forget the snow! And Mother Nature plans on more over the next 4-6 weeks. Somebody better apologize to Mother Nature very soon or we may not have a spring at all.

I will say that on the sunny days I am so happy to get out and visit, see people, talk, smile. We are such community people that we are almost stifled without our village around us.

THA-CERT hosted a communications training and we have an active Radio Net here in Twain Harte. I urge you all to see if you can be part of it. It is an answer to communications when everything goes down.

We were deployed during the month and it felt good to be out helping our community. We have a lot that we are planning and we are hopeful that the weather will allow us to continue to grow. I hope you enjoy reading about the things this wonderful team has accomplished.

We hope you enjoy this month's issue. Our goal is to provide information to the community, focusing on safety and health. If you have a suggestion for future articles, please contact [twainhartecert@gmail.com](mailto:twainhartecert@gmail.com) for consideration of the topic by the board.



To some a pothole to others a hot tub.  
Always look for the beauty in life!



# PLANNING MAKES FOR AN IDEA

by Carol Hallett, Program Manager



You can practice, plan and prepare as much as you can but when it is time to deploy you just go for it. PACE is the answer. Have a Plan, an Alternative plan, a Contingency plan and an Emergency plan. And when it is time to deploy, you just become creative.

CERT was called to action on a Monday morning at 10:57. It was an ASAP deployment in Twain Harte. We got a crew of 3 people at the site by 11:20. The emergency was a sewage overflow that needed to be cleaned out. The manhole cover was in the middle of the street so we needed to completely stop traffic.

We had a few issues. Our trailer was moved down the hill because it cannot survive the snow loads. All of our equipment was in the trailer, so we had no stop signs.



Our Alternative plan was to use our

visibility hats to get the drivers attention. As it turned out Jason Karney, THCS D had two signs in his truck so we went with the Contingency plan.

We also did not have our radios and did not have time to go pick them up. We had used the radios in our Communications Training Class on Saturday and they were at one of our member's home, her plan was to put them away this week. So our Alternative plan was to use our cell phones. I set up a conference call and we left the line open while THCS D staff did their job.

The drivers were very patient and the work went fast, it only took them 11 minutes to clear out the pipe and everything was flowing again, including traffic.



Kids at Camp or CERT volunteers, you decide

Special thanks to Matt Kain and Randie Revilla for quickly jumping into action with me. The THA-CERT volunteers are amazing and always ready to help.



# OUT OF THE SNOW?

by Mike Mandell, Team Leader



We decided to relocate the Trailer down the hill a bit to keep it out of the snow. I took it to my house in Soulsbyville. It was really a good idea, based on how much snow fell in Twain Harte, but we were not immune either.

The good news is that the trailer did just fine during this crazy weather and the even better news was that it was right on my property when I had to go out and shovel off the snow. We are all looking forward to the day when our storage unit can be delivered and our trailer can be converted to a mobile cooling/warming station. We still need to build a structure to protect it from the weather but it will also be easier to move around.



Snow in Soulsbyville

We were not able to do vehicle maintenance checks this month...the vehicles were buried under the snow. We will schedule it for April.

# NEW TRAINING OFFICER

by Mike Mandell, Team Leader



I am so excited to report that we have a new Training Officer, Margaret Lawrence. She is a delight to work with, very organized, and always ready to learn more. She was the Traffic Control Unit Leader but we needed more help with coordinating training. She has already proven to be a true asset.





# COMMUNICATIONS TRAINING

by Margaret Lawrence, Training Officer



In March, we had an excellent training presented by Rich Combs on Emergency Communications. This training was very informative and hands on. About 25 people attended the training.

It was a good mix of CERT and the public. We learned about the different types of radios, frequencies or channels, what type of antenna you should have, and when you need an FCC license. We even practiced with radios to ensure we understood how to use them correctly.



The major take home was when using a



radio, think about what you want to say before you hit the transmit button and then be clear and succinct.

We also learned that being part of a local radio net doesn't have to cost a lot and can help give us insight into what is happening in our community.

# JOIN OUR NET IN TWAIN HARTE

by Lise Lemonnier, Planning Section Chief



Every Sunday morning at 9AM, I open up a radio net on Channel 17-0. I ask for everyone to check in with their first names and location (street). This radio net is meant for us to practice radio protocol and to test our radios. Sometimes I hear from someone in Columbia, but most of the time I hear from a few local downtown Twain Harte radio operators.



I hope that by practicing radio communication every week, we will all become comfortable using our radios. When there is an emergency, it will be comforting to know what we are doing.

If you are in the Twain Harte area and have a GMRS or FRS radio, monitor Channel 17-0 on Sunday morning at 9. Chime in and let me, Lise on Gina Street, know you are out there.

<https://www.amazon.com/Retevis-Waterproof-Floating-Flashlight-Rechargeable/dp/B08GGYSK7N>



# TWAIN HARTE OUTHOUSE RACE RETURNS

by Terry Northcutt, President Timberline Env



Its official... Spring has sprung here in the mountains! In fact it is still springing all over us. The thermometer has now moved into double digits and the Snow flowers are starting to bloom (not that you can see them under 6 ft of snow).

Everyone is starting to think about all those fun summer time activities like snow shoeing, cross country skiing, and that all time favorite shoveling to the wood pile. Yes, there is nothing like shoveling 2 feet of Spring off your walk way. So what do you do when mother nature throws you a snow ball? What else, you get ready to Race Outhouses!



That's right World Class Outhouse racing is returning to Twain Harte CA. Terry Northcutt the self proclaimed King of Crappers and owner of Timberline Environmental Services Inc (a division of Freg Em All industries) is proud to be helping organize this fun filled family event June 10th, 2023. All net proceeds are donated to a nonprofit here in our community. This year's recipient is THA-CERT (Twain Harte Area Community Emergency Response Team).

The event Twain Harte Championship Outhouse Race, formerly known as The Royal Flush Crapper Derby, will be held at The Eproson Park right here in Twain Harte. Contestants come from all over the world (at least as far away as Tuttle Town) and are World Class athletes. Twain Harte's own 5-time World Champion Dung Fu Warrior will be taking on the likes of 2-time World Champion Potty Train, sponsored by The Dolan AutoGroup out of Reno, NV, Commander Commode, from Virginia City, NV, and The Bar Stool, from Auberry, CA, just to name a few.



This event will have Craft vendors (yes Craft not what you were thinking), local eateries, beer, margaritas and lots of family fun. All contestants will be vying to see who rises to the top of the heap to see who is really number one at number two? If you feel so inclined to put together your own Racing Outhouse we can help or, if you just want to help push someone else's stool, there are always teams that need help.

For information Rules and Sign up contact:  
[twainhartecert@gmail.com](mailto:twainhartecert@gmail.com) or  
[mountainmeadowproductions@gmail.com](mailto:mountainmeadowproductions@gmail.com)



See flyer in this newsletter for more details.





# CRAFT VENDORS

Meadow Frago, Mountain Meadow Productions



👽 TWAIN HARTE OUTHOUSE RACE 👽  
★ VENDOR OPPORTUNITIES ★

We are super excited that Twain Harte Area Community Emergency Response Team – THA-CERT is bringing back the Twain Harte Outhouse Race!

- Saturday, June 10, 2023
- Twain Harte at Eproson Park.
- Parade at 9am
- Races 11am-4pm
- Family Fun Community Event
- Artisan Vendors
- Twain Harte Eateries
- Margarita's & Brew's
- All proceeds benefit THA-CERT



Now ACCEPTING ARTISAN VENDORS for this fun event!  
For a Vendor application and more info, please message or email: [mountainmeadowproductions@gmail.com](mailto:mountainmeadowproductions@gmail.com)  
#amountainmeadowproduction

# MIDNIGHT CALLER

by Mike Mandell, Team Leader

At midnight on March 15th, I received a frantic call from a woman whose smoke alarms were going off. All of them! Her smoke alarms were all connected with each other, so that in the event of a fire, alarms all over the house would go off, not just the one nearest the fire. The problem with that was that she couldn't get away from the noise.

Due to the nature of her "emergency", I decided to go out to her house then, rather than wait until daylight. The first obstacle was that she lived in a gated community in Jamestown and the intercom wasn't working. My caller finally realized what was taking me so long and buzzed me in. Next, there was the gate to her courtyard, which was locked. The lady thought she had unlocked it for me and, again, it took her a little while to figure out why I wasn't at her door yet.

You never know what you are going to find when you go out on these calls and there was one more surprise for me...the house has 16' ceilings. Fortunately, this lady had a ladder that would reach high enough and I was able to check all of the alarms. The lady said that her son had just changed all of the batteries, and none of the alarms were over 10 years old. I found the one causing the problem and, because I didn't want to get called out again at 2 a.m., I replaced the entire smoke alarm for her.

It was an unusual and challenging night, but I was able to get it done. I think my trusty helper, Bob, was happy that I didn't call him to help me on this one.



## Volunteers Rock!





# **DON'T GET DISTRACTED**

by John Buckingham, Safety Officer



If you are in the drivers seat, driving the vehicle is ALL you should be doing!! Distracted driving causes eight deaths per day, or over 3,500 per year. Since our phone devices are our major distraction on the vehicle, here are some tips:

1) place your phone device in the glove compartment while driving to discourage distractions; if your vehicle is equipped for hands-free calling, utilize this feature, when safe, to answer incoming calls

2) If you need to text or check your phone, pull off the road to a safe position first

3) Designate your passenger as a “designated texter”

4) If driving, DO NOT use your device to scroll through apps, social media, e-mails, contacts or texts. Your sole purpose at the moment is to drive the vehicle responsibly



Be safe and drive safe!!!



## **Spring 2023 Weather Forecast**

What's in store for spring? Here's what we're forecasting for the US and Canada, plus important spring gardening info you need!

Spring 2023 Farmers' Almanac outlook.

Here in the Northern Hemisphere, we welcome spring 2023 on March 20 at 5:24 p.m. EDT, with the arrival of the spring equinox. However, the season and the weather may not be on the same page. The question on everyone's mind is: when will it actually feel like spring? Here's what Farmers' Almanac 2023 is predicting based on our long-range weather formula.





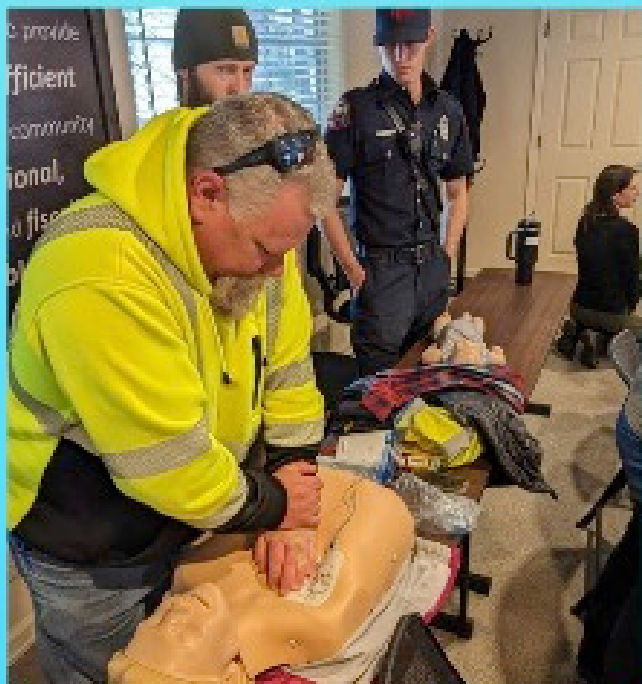
# Please Join Us For A FREE Community-Level CPR/AED Class

This course will be taught by two of our amazing CERT team members and certified instructors, Michelle Wagner and Randie Revilla. You will learn the fundamentals of CPR, how to do it correctly, and will practice doing CPR on adult, child, and infant mannequins.

Because this is a free class you will not be getting a certificate, but the same material will be taught as in the certification class.

You will also learn how to use an Automated External Defibrillator (AED).

Come join us for this free, educational, and hands on class.



When: Saturday, April 29, 2023  
0900 to 1200

Twain Harte Community Center  
18775 Manzanita Drive, Train Harte  
(behind the car wash on Joaquin Gully)

There is no cost or obligation to attend this event, but space is limited and registration is required to attend. Please contact us at [twainhartecert@gmail.com](mailto:twainhartecert@gmail.com) to register.

# WHERE DOES THE TIME GO?

by Lise Lemonnier, Planning Section Chief, THA-CERT



The total THA-CERT volunteer hours for March are:

Administration = 203.5  
Training = 85  
Deployment = 3  
Total March hours = 291.5



## Events

**Visit Tuolumne County:**

<https://www.visittuolumne.com/events>

**Twain Harte Chamber of Commerce:**

<https://www.twainhartecc.com/events>

## Save The Date!

**Twain Harte Championship Outhouse Race**

Saturday, June 10, 2023

Parade: 0900

Races: 11:00 am - 4:00 pm

Eproson Park

Food, Drinks & Fun!

**Traffic & Crowd Control Training**

with CHP

Saturday, May 20, 2023

0900-noon

**First Aid Practical Training**

with Michelle Wagner & Mary Kirkwood

Saturday, June 24, 2023

0900-noon

## Training

**THA-CERT April Training**

CPR & AED

Saturday, April 29th

0900-1200

Twain Harte Community Center

18775 Manzanita Drive

Twain Harte, CA (behind car wash on Joaquin Gully)

Register: [twainhartecert@gmail.com](mailto:twainhartecert@gmail.com) to attend.

## Meetings

**THCSD Board Meeting**

<https://www.twainhartecsd.com/board-meetings>

Wednesday, April 12th, 9:00 am

**CERT & Fire Association Board Meeting**

Thursday, April 13th, 9:30 am



The month of April, traditionally a rainy period, gives way to May, when flowers will bloom because of the water provided to them by the April rains. (by extension) A period of discomfort or hardship can provide the basis for a period of happiness and joy.



# Board Meeting Agenda Item Summary

April 12, 2023

<b>ITEM #:</b>	O8C	<b>ITEM TYPE:</b>	<input checked="" type="checkbox"/> Discussion <input type="checkbox"/> Action <input type="checkbox"/> Both
<b>SUBJECT:</b>	Operations Manager's report.		
<b>RELATION TO STRATEGIC PLAN:</b>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Advances Goal/Objective #'s: _____		

## RECOMMENDED ACTION:

None.

## SUMMARY:

This item includes a written and verbal report from the Operations Manager regarding general operations of the District's Operations Division over the previous month. The Operations Division is responsible for water, sewer, and parks and recreations services.

## FINANCIAL IMPACT:

None.

## ATTACHMENTS:

- Operations Manager Report





# TWAIN HARTE CSD OPERATIONS REPORT

## What's New

- Thank you to THA CERT for quick response for traffic control during an emergency call.
- Water, Sewer and Park crews attended USA Dig Alert and Flagging Classes hosted by TUD.
- Chief Gamez and I attended the CSDA Conference in Sacramento.



### Water/Sewer/Park Division

For March 2023

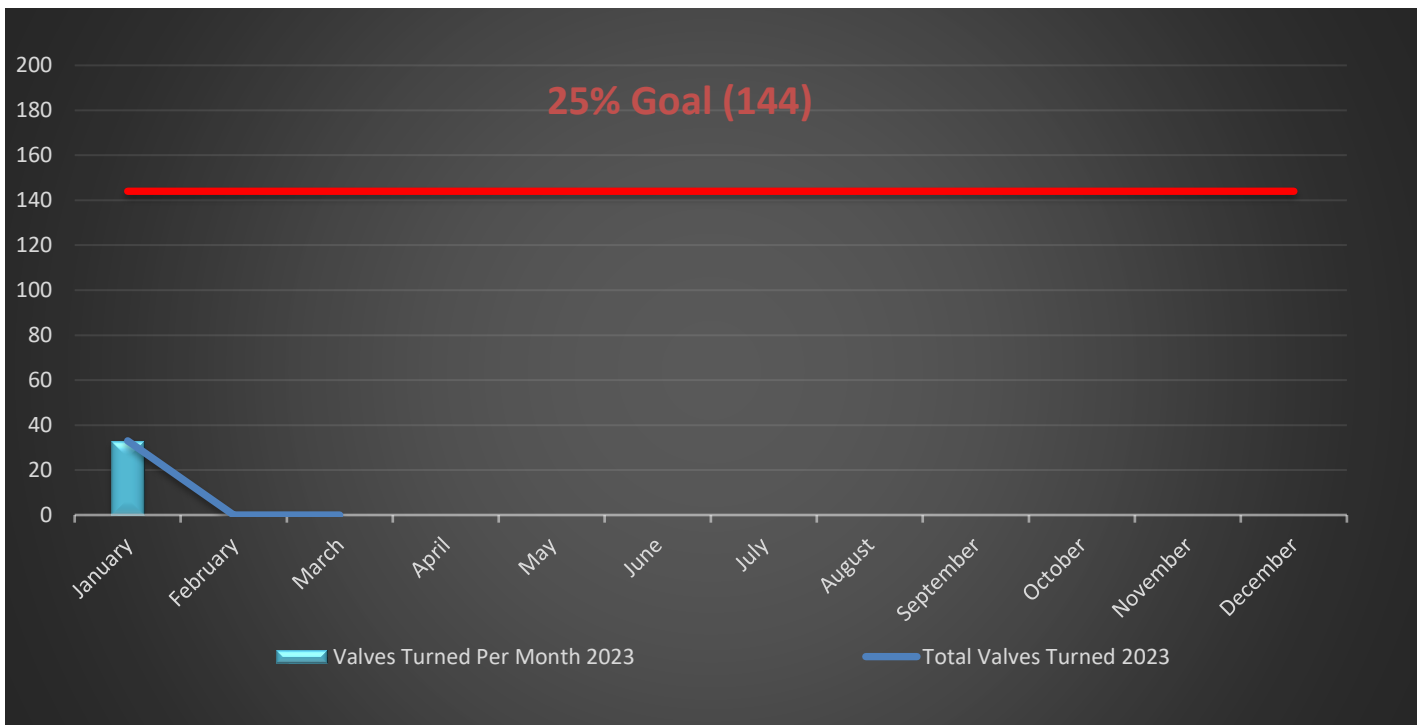
Board Meeting 4/12/23



# Highlights

## Water

- Number of customer service calls were average for this time of year (20-40) for a total of 40.
- 1 USA North Dig Alerts marked out (context in development).
- Valves inspected and maintained out of 575: 33 or 5.7%.  
(Context: 25 were inspected and maintained by this time last year).





- Snow, Rain and Mudslides. The yellow line is the direction of slide and area circled in red is a portion of the PG&E canal. The mudslide crossed through and over the canal. affecting our ability to make water at the SWTP from the ditch. This required us to pull from our backup water source at Shadybrook reservoir.

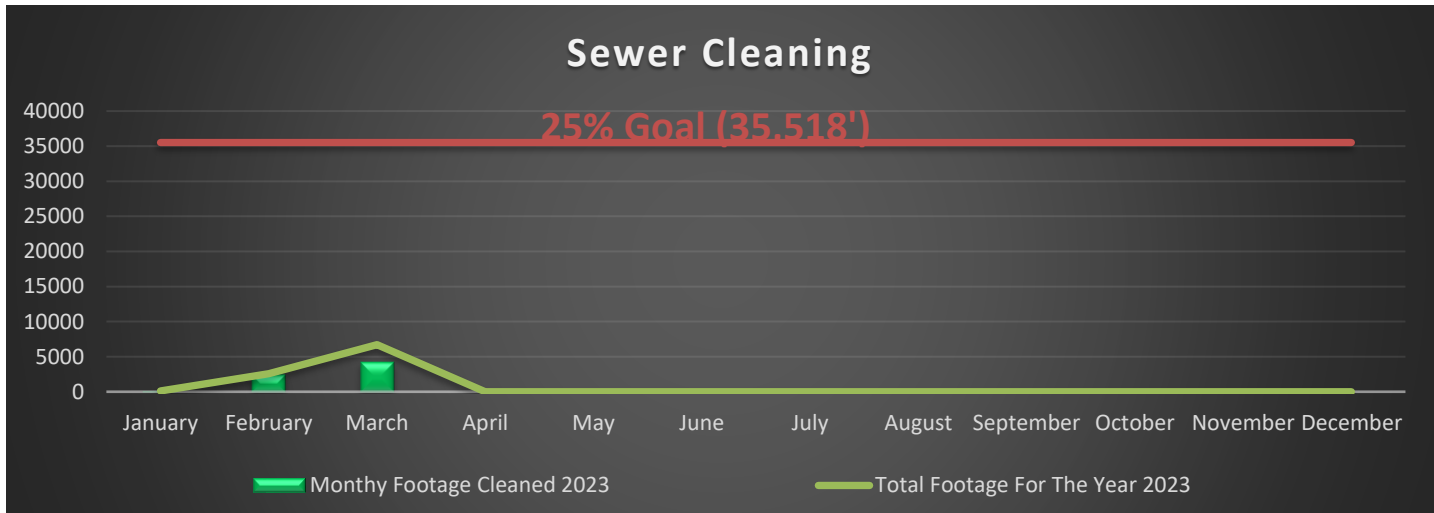




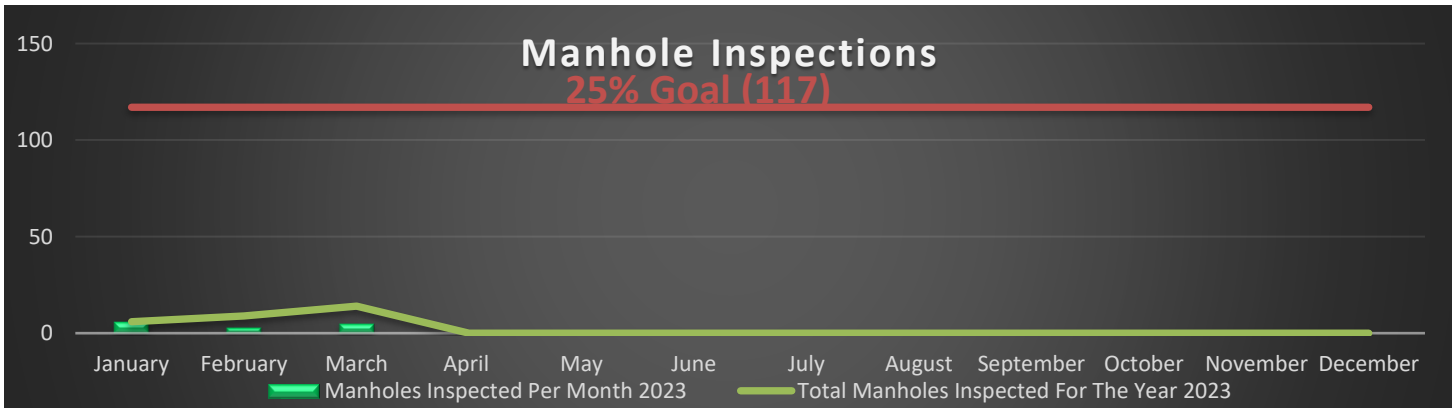


# Sewer

- Number of customer service calls were average for this time of year (1-10) for a total of 2.
- Sewer main footage cleaned out of 142,072': 6709' or 4.72%. (Context: 12,063' were cleaned by this time last year with an annual goal of 25% cleaned).



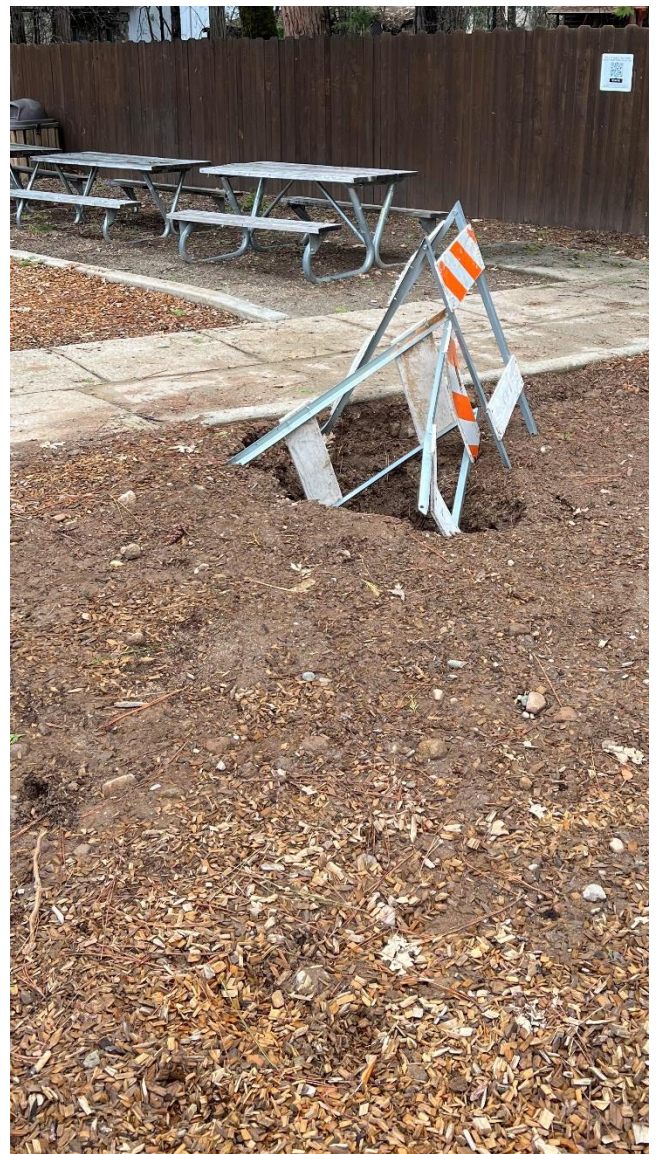
- Manholes inspected and maintained out of 468: 14 or 3.0%. (Context: 30 were cleaned by this time last year with an annual goal of 25%).





# Parks and Recreation

- Sinkholes formed due to county-maintained storm drain rotting away. The county engineering department is currently reviewing this for repairs.





- Troop 407 came for their annual visit to the community center and performed some volunteer work.



**THANK YOU!**







Nothing to report at this time.

# Year: 2023

Month	Treatment Plant (Gal)	Well #1 (Gal)	Well #2 (Gal)	Well #3 (Gal)	Total Recycled (Gal)	Total Production (Gal)	2013 Total Production (Gal)	Percentage Conserved (%)	Rain (inches)	Snow (inches)
Jan	4,323,056	662,674	1,734,171	104,686	554,865	6,824,587	8,304,262	17.82%	14.53	7.63
Feb	4,903,690	0	0	0	376,325	4,903,690	5,836,362	15.98%	1.46	77
Mar	5,518,276	708,141	1,364,973	0	456,740	7,591,390	5,776,198	*-31.43%	15.95	21.26
Apr						0				
May						0				
Jun						0				
Jul						0				
Aug						0				
Sep						0				
Oct						0				
Nov						0				
Dec						0				
<b>Total</b>	<b>14,745,022</b>	<b>1,370,815</b>	<b>3,099,144</b>	<b>104,686</b>	<b>1,387,930</b>	<b>19,319,667</b>	<b>19,916,822</b>	<b>3.00%</b>	<b>31.94</b>	<b>105.9</b>

\*Large increase in usage due to several large customer leaks, customers dripping faucets during cold temperatures and distribution leaks.





# Board Meeting Agenda Item Summary

April 12, 2023

<b>ITEM #:</b>	08D	<b>ITEM TYPE:</b>	<input checked="" type="checkbox"/> Discussion <input type="checkbox"/> Action <input type="checkbox"/> Both
<b>SUBJECT:</b>	General Manager's report.		
<b>RELATION TO STRATEGIC PLAN:</b>	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Advances Goal/Objective #'s: _____		

## RECOMMENDED ACTION:

None.

## SUMMARY:

This item includes a written and verbal report from the General Manager regarding overall District operations and operations of the District's Administration Division over the previous month.

## FINANCIAL IMPACT:

None.

## ATTACHMENTS:

- General Manager's Report

# GM REPORT

APRIL 12, 2023



## ADMIN ACTIVITIES

- Water and Sewer Rate Study
- Million Gallon Tank #2 Bidding
- TH Meadows Park Design & Funding Agreement
- Fire Union Proposals and Projections
- FEMA Storm Damage Reimbursement Coordination
- Per Capita Grant Project Application Changes
- Records Retention, Reorganization and Purging

## CAPITAL PROJECTS

### Motor Control Center (MCC) Upgrade

Budget: \$185,000

Construction submittals to replace the MCC at the water treatment plant are being reviewed and work is anticipated to take place in November 2023 during low water demand months.

### Twain Harte Meadows Park

Budget: \$2,600,000

A grant-funded project to build a new, community-designed park next to Eproson Park. Draft final design is complete and completion of the funding agreement is anticipated this month. Construction is anticipated to begin in summer 2023.

### Million Gallon Tank #2 Rehabilitation

Budget: \$1,275,000

Bids are due on April 21<sup>st</sup> for this grant-funded project to replace tank roof, reinforce support structure and recoat interior and exterior of the tank. Construction anticipated in summer 2023.

### Tennis/Pickleball Court Improvements

Budget: \$295,000

Expansion/resurfacing of the pickleball courts with a sport grid surface and resurfacing of the tennis courts with a clay surface is currently in design. Construction is anticipated in summer/fall.

### Community Center Improvements

Budget: \$40,000 Fire / \$40,000 Park

A Contract to remodel the kitchen and provide ADA bathrooms has been awarded and is expected to start this month.

## MEETINGS OF INTEREST

- 3/23** Annual County Utility Stakeholders
- 3/30** FEMA Storm Damages Grant
- 3/30** TH Sewer Construction Grant
- 4/12** IAFF Union Negotiations
- 4/13** Twain Harte Download

## PLANNING PROJECTS

### Water System Evaluation/Analysis

Budget: \$499,053

Hydraulic model, water loss analysis and risk assessment and identification/prioritization of capital projects is complete. Design of Sherwood Forest water lines replacement is underway.

## FUNDING OPPORTUNITIES

### FEMA SAFER GRANT - \$2.7M

Full-Time Firefighters / Award: September 2023

### MULTI-BENEFIT DROUGHT GRANT - \$650K

Turf Replacement / Award: Spring 2023

### MULTI-BENEFIT DROUGHT GRANT - \$950K

Shadybrook Silt Removal / Award: Spring 2023

### MULTI-BENEFIT DROUGHT GRANT - \$1.7M

Water Line Replacement / Award: Spring 2023

### STATE REVOLVING FUND - \$4.5M

TH Pipeline Project / Award: Summer 2023

### PROP 68 RURAL RECREATION - \$1.25M

TH Meadows Park / AWARDED

### MULTI-BENEFIT DROUGHT GRANT - \$1.275M

MG Tank #2 Rehab / AWARDED